



BROWN
Alpert Medical School

THE WARREN ALPERT MEDICAL SCHOOL OF BROWN UNIVERSITY

DEPARTMENT OF MEDICINE

ACADEMIC YEARS 2005 AND 2006 ▶ JULY 1, 2005–JUNE 30, 2007



Rhode Island Hospital/Hasbro Children's Hospital

The Miriam Hospital

Memorial Hospital of Rhode Island

Women & Infant's Hospital

Veteran's Administration Medical Center

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Edward J. Wing, M.D. is the Chairman of Medicine and Joukowsky Family Professor of Medicine at Brown Medical School and for its' five affiliated hospitals. He serves as Physician-in-Chief at Rhode Island Hospital and The Miriam Hospital and Executive Physician-in-Chief at Memorial Hospital of Rhode Island, Women & Infants Hospital and the Veterans Affairs Medical Center. Dr. Wing is the Director of the Internal Medicine Residency Program at Rhode Island Hospital, The Miriam Hospital and the VAMC.

Dr. Wing graduated from Harvard Medical School and completed his internship and residency at the Peter Bent Brigham Hospital in Boston, Massachusetts. He completed an Infectious Disease Fellowship at Stanford University.

Dr. Wing joined the faculty at the University of Pittsburgh where he rose to Professor of Medicine. He served variously as Physician-in-Chief at Montefiore Hospital, Chief of Infectious Diseases at the University of Pittsburgh and Interim Chief of Medicine before coming to Brown in 1998.

Dr. Wing's research interests have focused on the immune host defenses against intracellular pathogens such as *Listeria monocytogenes* and agents of bio-terrorism. He also has a strong clinical interest in infectious diseases, HIV, and international health.

COMMENTS FROM THE CHAIRMAN

Over the past ten years, the Department of Medicine at the Warren Alpert Medical School of Brown University has had a remarkable record of success in its clinical, educational, and research activities. Since the last biannual report (2005), many faculty have joined the department, new clinical programs have been added, and the research profile has continued to grow.

A priority of the Department has been its primary care and hospitalists' programs. Dr. Frank Basile has spearheaded a unique program at our new primary care site on Governor Street. Using a national model of a "Medical Home", he has brought together a variety of sub specialists including cardiologists, gastroenterologists, orthopedic surgeons, general surgeons, physical therapists, and psychologists to practice side by side with primary care internists. This "one stop shopping" provides not only convenience (and easy parking) for patients but outstanding continuity of care from general internal medicine to subspecialty care. Dr. Basile and his group plan to reproduce this model in other sites in Rhode Island.

Hospitalist medicine has become increasingly important for the care of our patients, for the education of students and residents, and for high quality care for our patients. Drs. Sajeev Handa at Rhode Island Hospital and Kwame Daapah at The Miriam Hospital have expanded their programs and instituted innovative educational programs for our residents. Physicians in these divisions will also be responsible for quality initiatives in the future at both institutions. Similar but smaller programs have developed at both the VA and Memorial Hospital.

Clinical programs have also grown at both the VA and Memorial hospital. Dr. Tom O'Toole was recruited to head the outpatient programs at the VA. He is developing exciting approaches to the care of our veterans in league with many of the faculty from other institutions including those from our geriatrics and general internal medicine divisions. Other

groups have expanded at the VA including Cardiology, Nephrology, Infectious Diseases, and Pulmonary. Research has also grown rapidly there under the leadership of Dr. Satish Sharma and more recently Dr. Sharon Rounds. Similarly, the faculty at Memorial Hospital has been reinvigorated by the energetic leadership of Dr. Army Artenstein. The educational and research programs have grown rapidly. I have the privilege of taking morning report at the VA and Memorial on a monthly basis and can attest to the new energy and excitement at both institutions.

Our faculty teaches in all four years of the medical school and has recently taken over teaching many of the basic sciences as well as pathophysiology, the third year clerkships and the majority of the fourth year requirements and electives. The \$100 million gift by Warren Alpert will help fund our educational efforts for students as well as move the medical school to the Rhode Island Hospital campus.

Research in the Department has more than quadrupled over the past 10 years, approaching \$40 million annually and \$250 million total. Approximately eighty five percent of grants are from federal sources. Of particular note are the multiple investigators in the Infectious Diseases Division, which has the largest research profile, the outstanding basic and translational research in gastroenterology and cardiology, and exciting new research in oncology, nephrology, and endocrinology.

Over the previous decade the Department has grown remarkably without losing its quality and unique culture. The leadership including the Division Chiefs, program directors, and hospital chiefs has matured into a highly effective group of academic leaders known nationally and in many cases internationally. It is very satisfying to have the privilege of being Chairman of such an outstanding group of faculty, trainees and staff.

Office of the Chairman**Edward J. Wing, M.D.**

Chairman of Medicine and Joukowsky
Family Professor of Medicine
Physician-in-Chief, Rhode Island and
Miriam Hospital
Executive Physician-in-Chief, Memorial
Hospital of Rhode Island, VA Medical
Center, Women & Infants Hospital

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Associate Professor of Medicine
Physician-in-Chief, Memorial Hospital
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Professor of Medicine
Director, Division of Kidney Disease
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Chief Physician for Clinical Operations,
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Frederick Schiffman, M.D.

Professor of Medicine
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The Miriam Hospital

Associate Director for Categorical and
Preliminary Internal Medicine Residency
Programs

Dominick Tammaro, M.D.

Associate Professor
Associate Chief for Clinical Affairs,
Rhode Island Hospital
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Programs
Co-Director of Med/Peds Residency
Program, Rhode Island Hospital

Department Administration**Peter J. Ceriani, MBA**

CEO, University Medicine Foundation
Administrator, Rhode Island Hospital &
The Miriam Hospital

Daniel Bryant

Research Administrator, Rhode Island
Hospital & The Miriam Hospital

Jean Drinan

Administrative Secretary

Denise Lavelly-O'Hara

Internal Medicine Graduate Med. Ed.
Administrator

Patricia O'Hara

Administrative Coordinator, Faculty Actions

Division	Division Chief
Cardiology	Alfred Buxton, M.D.
Endocrinology	Robert Smith, M.D.
Gastroenterology	Jack Wands, M.D.
General Internal Medicine	Michele Cyr, M.D.
Geriatrics	Richard Besdine, M.D.
Hematology/Oncology	Peter Quesenberry, M.D.
Hospitalist Medicine	Sajeev Handa, M.D.
Infectious Diseases	Timothy Flanigan, M.D.
Kidney Disease and Hypertension	Lance Dworkin, M.D.
Obstetric & Consultative Medicine	Karen Rosene-Montella, M.D.
Pulmonary, Critical Care & Sleep Medicine	Sidney Braman, M.D.
Rheumatology	Edward Lally, M.D.

DEPARTMENT OF MEDICINE FACULTY DATA

TOTAL	524
Full-Time	152
Clinical	288
Emeritus	33
Adjunct	29
Secondary	22

FACULTY BY DIVISION

Division	Full-Time	Clinical	Emeritus	Adjunct	Secondary	
Cardiology	23	52	4	3	1	83
Endocrinology	6	9	2	2		19
Gastroenterology	14	22	4	0		40
GIM	22	140	7	3	15	187
Geriatrics	7	1	0	0	1	9
Hematology/Oncology	18	13	8	4	2	45
ID	32	9	2	12	2	57
Nephrology	10	16	1	0		27
Pulm/CC	18	21	3	3	1	46
Rheumatology	2	5	2	2		11
Total	152	288	33	29	22	524

FACULTY BY HOSPITAL

Hospital	Full-Time	Clinical	Emeritus	Adjunct	Secondary	
Butler	0	0	0	0	1	1
Kent	0	2	0	0	0	2
Landmark	0	1	0	0	0	1
Memorial	11	39	8	2	0	60
Miriam	29	88	7	7	8	139
RIH	96	120	15	9	11	251
RWMC	0	6	0	9	0	15
St. Joseph	0	2	0	0	0	2
VAMC	11	22	3	1	0	37
W&I	5	7	0	0	2	14
Charlton Memorial	0	1	0	0	0	1
URI	0	0	0	1	0	1
Total	152	288	33	29	22	524

CHAIRMAN'S ASSOCIATES

In April 2006, the position of Vice Chairman for Research and Academic Affairs was created and Lance D. Dworkin, M.D. was appointed to fill that role. The Vice Chair is directly involved or responsible for a number of key aspects of the Department's Academic Mission. He meets frequently with the Chairman to discuss diverse Departmental issues and serves as a key advisor to the Chair. He oversees the appointment and promotions process, reviewing candidates for appointment or promotion with Dr. Wing and serving on the Department Promotions committee. He meets frequently with faculty and division directors, advising faculty on the promotions process, on academic achievement, career goals and choices. He also oversees mentoring of junior faculty, chairs the mentoring committee, facilitates pairing of junior faculty with more senior mentors, and helps to resolve issues between mentors and mentees. He facilitates communications between the Medical School Administration and the Department. Regarding research, The Vice-Chair acts as an interface between the Department and the Lifespan administration on diverse topics related to research, including grants administration and management, compliance, and time and effort reporting. He meets with Division Directors and key investigators to discuss the research mission. He coordinates the annual Department of Medicine Research Forum.

Accomplishments since the creation of this position include:

- 1) The development of Department of Medicine Standards for Appointment and Promotions that expand upon and help to clarify the Brown Medical School faculty rules on this issue.
- 2) Establishing a new mentoring program for junior faculty in the Department, including a Department Mentoring Guide, tools for matching faculty with mentors and evaluating academic progress, and the pairing of a number of junior faculty with more senior mentors.
- 3) Participating in the revision of the Alpert Medical School of Brown University faculty rules for appointments and promotions and chairing the subcommittee that drafted new language for promotion in the Research Scholar Track.
- 4) Meeting with a significant number of department faculty and recruits to discuss issues relating to academic advancement.



Lance Dworkin, M.D., Professor of Medicine, Director, Division of Kidney Disease and Hypertension, Rhode Island Hospital and The Miriam Hospital, Vice Chairman, Research and Academic Affairs, Rhode Island Hospital and The Miriam Hospital

- 5) Conducting a review of Department experience with grants administration and presenting these data to Lifespan senior administration.
- 6) Participating in the revision of the Lifespan policy for time and effort reporting and meeting with division directors and research faculty to clarify these policies.
- 7) Successful conduct of the 2007 Department of Medicine Research Forum.

Goals and projects for the coming year include:

- 1) Expanding the mentoring program and developing an interactive mentoring page for faculty on the Department of Medicine website.
- 2) Participating in the development of joint Department/Lifespan compliance programs in Research and Education
- 3) Revising and expanding the Departmental Promotions Guidelines to incorporate expected changes in the Brown faculty rules.
- 4) Planning and chairing the 2008 Research Forum
- 5) Participating in strategic planning for expanding research in the Department, particularly translational research.

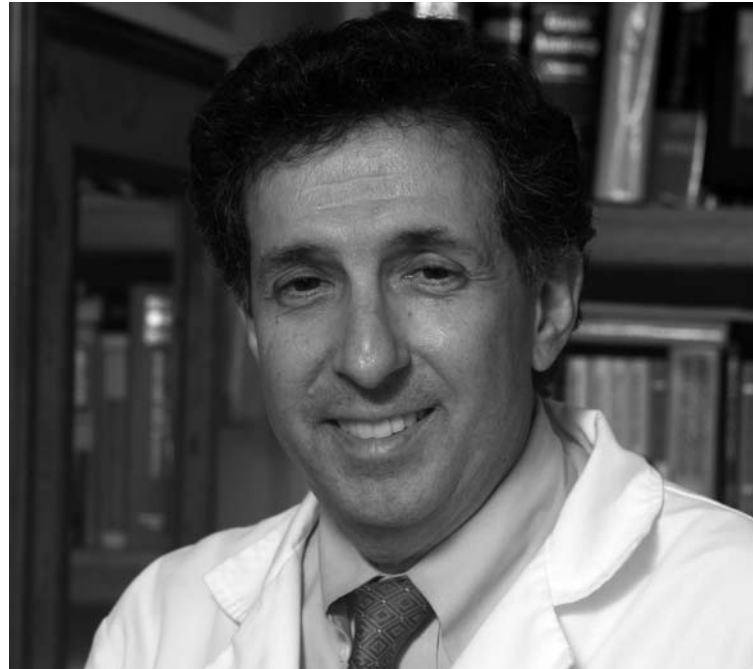
CHAIRMAN'S ASSOCIATES

As Vice Chairman of the Department of Medicine, Dr. Fred Schiffman assumes several roles. He works closely with Dr. Edward Wing running the day-to-day clinical activities of the Department of Medicine at The Miriam Hospital. The educational, clinical and administrative programs of the Brown University Department of Medicine at The Miriam Hospital are Dr. Schiffman's direct responsibility. He is especially involved with the education of medical students and residents and the continuing education of office-based and hospital-based faculty. He works together with the medical chief residents to organize and run formal and informal teaching activities. Additionally, quality assurance and improvement programs for the Department of Medicine at The Miriam Hospital are an important part of this position. He is involved in planning Medical Grand Rounds and co-leads the Committee on Clinical Appointments and Promotions. He is also the Medical Director of the Lifespan Comprehensive Cancer Center.

The department is especially pleased about the new Baxt Pavilion which holds very pleasant and functional conference space, state-of-the-art radiology equipment and the finest operating rooms available. Thirty-six additional patient beds occupy the third floor with beautiful and highly functional patient rooms and family and nursing areas.

The Miriam's clinical services are populated by patients who have a very high "case mix index" reflecting serious multi-system disease. The majority of these challenging patients are ministered to by house staff and attending physician teams on the wards and in the Critical Care Unit. Hospitalists work closely with medical residents, and side-by-side make diagnostic and therapeutic choices. Attending rounds are conducted by full-time and office-based practitioners; many of whom have won Department of Medicine Teaching Awards. Nursing care is on a high plane, and The Miriam Hospital boasts winning the Magnet Award for Nursing (a four year award) three times (1998, 2002, 2006).

Academic, full time groups admit approximately 35% of patients to The Miriam Hospital and also lead and participate in several research projects. The Infectious Diseases Division is especially active here. The Center for AIDS Research Grant for the federal government is led by Dr. Charles C.J. Carpenter and has been renewed an unprecedented 3 times, and also participate in the AIDS Clinical Trials Group (ACTG). Most of the other members of this division are actively engaged in projects of their own.



Fred Schiffman, M.D., Professor of Medicine, Vice Chairman, The Miriam Hospital, Department of Medicine, The Miriam Hospital

Many of the Department of Medicine's international programs have been spearheaded by Miriam Hospital physicians and students while residents and attending physicians benefit from these relationships. The Cardiology Division boasts about being a 5 time Solucient Award winner and its members are actively involved with teaching and research as well as expert clinical care. The Hematology/Oncology Division has an extraordinarily active clinical program. Its members lead or participate in a large number of research projects. For example, Dr. Howard Safran is an international expert in upper GI malignancies and chairs medical oncology for the Radiation Therapy Oncology Group. (RTOG)

Wednesday morning's Morbidity and Mortality Conference is regarded as a premier teaching and quality assurance and improvement vehicle. It is attended by the entire medical staff; as many of the interesting patients presented are further described in medical publications.

Department of Medicine faculty work closely with the surgical faculty and over the last two years, have begun a highly popular and educational combined medical/surgical teaching rounds. This is conducted by medical and surgical attending physician leaders and participated in by medical students and house staff.

The Miriam Hospital has always aspired to take its place among the best academic community hospitals in the country. Its reputation will be secure as we continue to be mindful of the imperatives of superb patient care and a meaningful academic vision.

CHAIRMAN'S ASSOCIATES

As chief of the Department of Medicine at Memorial Hospital of R.I., Dr. Andrew Artenstein presides over the academic activities of the full-time faculty members based there. The Department of Medicine at Memorial Hospital of RI currently has full-time faculty members in six subspecialty divisions: general internal medicine, infectious diseases, pulmonary-critical care, hematology-oncology, endocrinology, and cardiology. The Department also includes numerous community-based, clinical faculty, including a large cadre of primary care internists. The close collaboration of academic and community-based clinical faculty members brings a rich perspective to the Department at Memorial and provides valuable educational experiences for medical students, residents, and fellows and ensures a fertile environment for academic, community-based research investigations.

The Department of Medicine has a tripartite mission of cutting-edge, community-based research, outstanding medical education, and excellent clinical services to our community. Multiple faculty members are engaged in funded research in a variety of areas such as cancer screening, health disparities, women's health, incarcerated populations, nursing home infections, resistant pathogens, biomedical engineering solutions to diagnostic dilemmas, sepsis, bioterrorism, influenza, and other emerging infectious threats. Much of this work is of a collaborative nature with colleagues at Brown and other academic centers. This occurs through individual investigator relationships and through collaborative work performed at the Center for Biodefense and Emerging Pathogens at Memorial or through the Brown Center for Primary Care and Prevention located on the hospital campus. Our community, rich in diversity, has been a traditional strength of the Department of Medicine at Memorial and Brown. This continues to be a source of enrichment for basic and clinical research, community and public health, and clinical education. Scholarly activities extend to other arenas; Memorial faculty members edit medical journals, serve on journal editorial advisory boards, direct initiatives of their subspecialty societies, edit textbooks of medicine, and develop curricula for medical education.



Andrew Artenstein, M.D., Associate Professor of Medicine, Physician-in-Chief, Memorial Hospital of Rhode Island

From a teaching standpoint, the Department of Medicine at Memorial is committed to excellence in medical education, as evidenced by the fact that numerous academic faculty have been recognized with Chairman's Awards for outstanding teaching and numerous clinical faculty have been recognized with teaching excellence awards from Brown. Memorial is home to a Brown-affiliated residency program in internal medicine and is the sole site for the Brown residency program in family medicine. The full-time faculty members in the Department are charged with the mission of providing a valuable educational experience for students, residents, and fellows in an atmosphere that fosters mentorship by senior level faculty in all clinical arenas. The Department has embarked on a series of recent initiatives: a curriculum in professionalism; a program in professional development for faculty members; the implementation of a "firm" system to optimize continuity of care; a monthly faculty exchange with senior faculty from Rhode Island Hospital; the establishment of a visiting professor series; and the development of a joint elective rotation in cardiovascular medicine with the V.A Medical Center to enhance resident exposure to cutting edge diagnostic techniques.

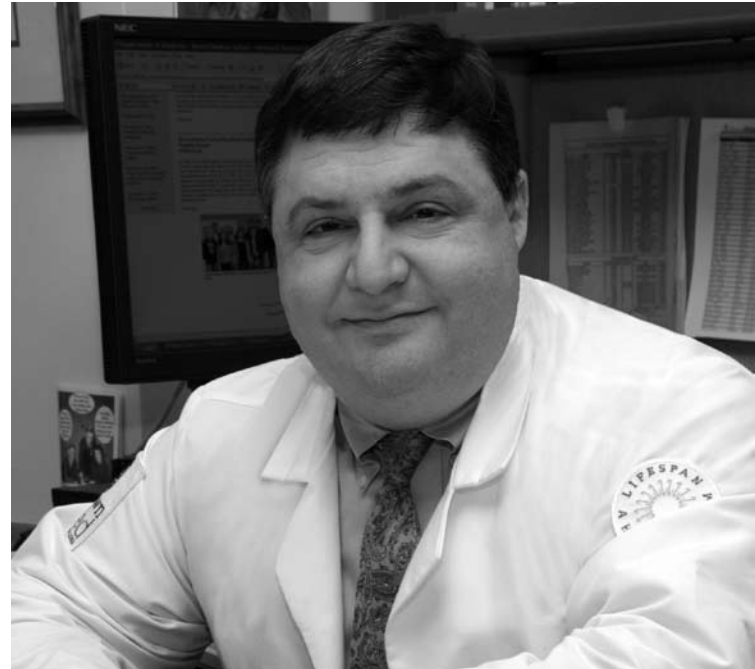
CHAIRMAN'S ASSOCIATES

Dominick Tammaro was appointed as Associate Chief of Clinical Affairs in March 2006 and in addition serves in a key position as Associate Residency Director for the Department of Medicine. In his role as Associate Chief, Dr. Tammaro is responsible for inpatient clinical programs in the Department of Medicine. He is responsible for the day-to-day clinical operations in the Department of Medicine at Rhode Island Hospital and oversees the educational, clinical, and administrative aspects of these programs. Dr. Tammaro serves as the Department of Medicine's liaison with the Departments of Nursing and Laboratory Medicine as well as other clinical departments, such as Emergency Medicine, Neurology, Surgery, etc. In his role as Associate Residency Director, Dr. Tammaro is actively involved in the development of educational programs, faculty recruitment, and the coordination of medical clinical services. Dr. Tammaro also serves as the Director of the General Medicine Inpatient Consultation Service, providing medical consultation and support for patients on services outside the Department of Medicine.

The last two academic years have been marked by growth and development in both the clinical and educational aspect of the Department of Medicine's missions. The Internal Medicine residency programs have continued to thrive and to adapt in the changing health care environment. For example, a steady increase in admission volume to the Department of Medicine has led to further expansion of the hospitalist groups at both Rhode Island Hospital and the Miriam Hospital in an effort to maintain a ceiling on house staff admissions in compliance with ACGME guidelines. A partnership between the Department of Medicine and both the Rhode Island and Miriam Hospitals has been key in managing this growth successfully.

A new inpatient ward design at Rhode Island Hospital has enjoyed its first full year of operation during the 2006–07 academic year, and has successfully integrated several of our major subspecialty divisions into the core teaching and supervision activities in the Department of Medicine at Rhode Island Hospital. Faculty and fellows in Hematology/Oncology, Nephrology, and Geriatrics work closely with medical house staff in the care of patients, both at the bedside, the conference room, and the lab. The coming academic year will see a growth in the participation of our primary care division in the teaching and supervision of house staff on the General Medicine wards.

The last five years have also seen a growth in the interest in fellowship applications by our residents. That growth and



Dominick Tammaro, M.D., Associate Professor, Associate Chief for Clinical Affairs, Rhode Island Hospital, Associate Director for Categorical and Preliminary Internal Medicine Residency Programs, Co-Director of Med/Peds Residency Program, Rhode Island Hospital

interest has paralleled by great success as these same residents match at some of the best fellowships in the country for subspecialty training. It is apparent that the talent and abilities of our graduates have led to greater opportunity in the subspecialties at major academic centers. Our graduates continue to achieve leadership roles in medical education as well. At the 2007 Fall Association of Program Directors in Internal Medicine Meeting, six of our recent graduates attended the meeting in their new roles as Associate Residency Directors at various outstanding academic institutions around the country.

While looking ahead to the future, a large-scale renovation and modernization of the Jane Brown Building, where most of the Internal Medicine teaching service patients are located, is anticipated. The department is also in the process of phasing in a reduction in the number of critical care rotations in which medicine house staff participated. Our evaluation system has adapted to incorporate new electronic technology as well as to integrate the six ACGME core competencies, which will over the next two to three years become incorporated in faculty credentialing as well as the evaluation of house staff.

Just as the last several years have seen growth and success in the Internal Medicine residency programs in our department, the next several years appear to hold the same promise with major improvements in both the physical plant as well as the flexibility to care for a growing population of patients who represent an extraordinary diversity of ethnic background, socioeconomic status and disease spectrum.



DIVISIONS

CARDIOLOGY

OVERVIEW

The Cardiology Division provides services at Rhode Island (RIH), Miriam (TMH), and the Veterans Administration Hospitals (VAH). All components have continued to grow in both clinical and research activity over the past two years. In addition to local growth, members of the Division hold key leadership positions on the national and international level. David Williams leads the NHLBI-funded Dynamic Registry. Athena Poppas chairs the Women in Cardiology Committee of the American College of Cardiology (ACC) and served as the Governor of the RI Chapter of the ACC. Dr. Poppas also serves on the Program Committee for the 2008 Annual Scientific Sessions of the American Society of Echocardiography. James Arrighi is on the Program Committee of the ACC Annual Scientific Session, while Brian Abbott chairs the Organizing Committee for the American Society of Nuclear Cardiology Annual Scientific Sessions. Alfred Buxton chaired both the Joint American Heart Association (AHA)/ACC and Heart Rhythm Society (HRS) Committee on Electrophysiology Data Standards, as well as the joint ACC/HRS Committee to compose the database for the National ICD Registry. Drs. Buxton and Williams have both served over this period on the American Board of Internal Medicine Test Writing Committees for Electrophysiology and Interventional Cardiology, respectively.

The cardiology fellowship program continues to recruit outstanding candidates from major residency programs throughout the country. The core fellowship program includes 6 trainees per year for a minimum of three years. The first 2 years are dedicated to mastering the core aspects of clinical cardiology, and are comprised of required rotations in each of the major disciplines of cardiology (consultative and diagnostic cardiology, noninvasive imaging, heart failure, electrophysiology, and catheterization). The third year is tailored to the individual's career goals. ACGME-accredited programs in interventional cardiology and clinical cardiac electrophysiology are offered as well. Participation of fellows in a research experience within the Division and Department is expected, and provides a foundation of ongoing scholarship and critical thinking that is required for any career in medicine.

Over the past 2 years, several initiatives have focused on improving education and/or patient care. We initiated a new fellows' Cardiology Clinic in APC5. This clinic rapidly has reached capacity. In addition to its educational role,



Alfred Buxton, M.D., Professor of Medicine;
Director, Division of Cardiology

this clinic has a major role in delivering cardiology services to the underserved and needy population of Rhode Island. We initiated a new competency-based curriculum, and plan to have all documents on the web, available to faculty and fellows. Finally, we have integrated training in the "newer" cardiac imaging modalities, such as CT and MRI, into the curriculum of the program. In addition, training in peripheral vascular disease diagnosis and treatment is now available at both Rhode Island and Miriam Hospitals.

The Cardiac Arrhythmia Program and Clinical Electrophysiology Laboratory continued to see growth in clinical activity. The program in ablation for atrial fibrillation has shown remarkable growth, aided by the acquisition of state-of-the-art three dimensional mapping systems that facilitate precise localization of foci of arrhythmia. The arrhythmia group added Lilian Joventino, M.D. to its roster. Dr. Joventino received her medical training at the Hospital of the University of Pennsylvania, and her cardiology and electrophysiology training at Beth Israel-Deaconess Medical Center (Boston). Dr. Joventino initiated a new prospective registry seeking to improve early detection of cardiac sarcoidosis using MRI scans, in conjunction with Drs. Michael Atalay (Diagnostic Imaging) and James Myers (Pulmonary). This study is supported by a local seed grant. Other initiatives undertaken by the EP lab include an original investigation aimed at improving our understanding of the structure-function relationships that result in

ventricular tachycardia after myocardial infarction. Several studies evaluating optimal use of cardiac resynchronization therapy (bi-ventricular pacing) are underway, led by Dr. Kristin Ellison. Dr. Malcolm Kirk is investigating electrophysiologic characteristics of genetically modified rabbits with long QT syndrome, in conjunction with Dr. Gideon Koren. Dr. Kirk recently performed the first percutaneous epicardial mapping procedure for ventricular tachycardia in the clinical EP lab.

The cardiac catheterization lab at RIH, under the direction of Dr. David Williams focused major efforts over the past year on improving the program of primary intervention for patients with acute myocardial infarction. A multidisciplinary task force in conjunction with the Emergency Department was convened to address ways to reduce the door-to-balloon time for patients with acute MI. Procedural alterations set in motion by the task force resulted in incremental reductions in door-to balloon time. This team received the Fain Award for its accomplishments. For the current fiscal year, compliance with the 90 minute standard has been 92% which places Rhode Island Hospital in the top tenth percentile nationally. A major achievement was opening a new catheterization laboratory within the Emergency Department. Located on “trauma alley,” this unique lab is open 24 hours daily. It enables unprecedented immediate access and availability for patients with acute myocardial infarction presenting directly to our ED or as transfers from other hospitals. Other areas of growth include the relatively new programs of endovascular therapy and closure of intracardiac defects (PFO and ASD). Expanding interventions for patients with peripheral arterial disease are taking place under the direction of Dr. J. Dawn Abbott and Dr. Williams. Dr. Barry Sharaf continues to run an active quantitative angiography analysis program that serves as a core lab for a number of multicenter national studies, including the NHLBI-sponsored Women’s Ischemic Syndrome Evaluation (WISE) and a study of aldosterone blockade in women with chest pain and coronary vascular dysfunction.

The Cardiac Catheterization Laboratory at TMH continues to perform a large volume of diagnostic and interventional coronary procedures as well as an active program in Acute MI interventions. Dr Paul Gordon, the lab Director, also has a growing experience with non-coronary procedures including balloon aortic valvuloplasty and intracardiac defect closure devices. He is currently working in conjunction with the neurologists in the Escape Migraine Trial, a national randomized trial of PFO closure in patients with frequent migraine headaches and aura. The lab participates in a number of other multicenter interventional research activities.

A multi-disciplinary Division of Peripheral Vascular Inter-

vention has been developed at TMH under the leadership of Dr Kenneth S. Korr. This new Division includes representatives from Vascular Surgery, Vascular Interventional Radiology and Interventional Cardiology. A weekly Vascular Interventional Conference reviews cases within a multidisciplinary format. A common database including QA/QI information is being developed for the different vascular interventional areas. TMH has been designated by CMS as a Center for Carotid Interventions and will participate in the NCDR/ ACC Carotid Stent National Database.

Dr. Immad Sadiq joined the TMH fulltime faculty in August 2005 with a primary focus on interventional cardiology with special focus on peripheral vascular disease. Dr. Sadiq received his medical and cardiology training at St. Vincent’s Hospital (Worcester, MA), followed by an interventional fellowship at Hartford Hospital. He then completed a peripheral interventional and non-invasive vascular medicine fellowship at St. Elizabeth’s Hospital (Boston). He has acquired extensive experience performing carotid and peripheral vascular interventions in the TMH Cardiac Cath lab, and is involved in several carotid stent registries. Working in conjunction with the cardiothoracic surgeons, he has been performing aortic stent graft procedures for patients with abdominal aortic aneurysms.

Dr. Sadiq has also initiated a Takotsubo Cardiomyopathy Registry based upon combined data from both the TMH and RIH cath labs. This registry represents one of the largest Takotsubo databases nationally. The study group, which includes major efforts by two of our clinical cardiology fellows, Drs. Richard Regnante and Russell Linsky, plans an additional trial using intravascular ultrasound (IVUS) to evaluate the frequency of mild plaque rupture in this patient population.

The RIH nuclear cardiology laboratory is under the direction of Dr. James Arrighi. The laboratory performs over 2500 SPECT studies per year, utilizing the most state-of-the-art techniques. All scans are performed using a unique technology, called attenuation-correction, which helps to improve the accuracy of studies and reduce the chance of falsely abnormal studies. The laboratory maintains a database, and is actively involved in clinical research. Over the past year, there have been two major clinical initiatives in nuclear cardiology. The first initiative has been in providing stress testing and imaging services to the new Chest Pain Unit in the Emergency Department. In collaboration with the Emergency Department staff, we have developed protocols to provide stress imaging services in the most efficient manner, 6 days per week. The second initiative has been in cardiac positron emission tomography (PET). After the installation of a new PET camera, which included

cardiac software, we now provide myocardial viability studies in patients with severe coronary disease and left ventricular dysfunction. We plan to eventually offer rest/stress PET as well. The laboratory also is involved in clinical research projects in several areas. A multicenter trial using a new imaging agent called MIBG, for assessing sympathetic innervation of the heart, was recently completed. We recently obtained approval and are about to start another trial using BMIPP, a fatty acid analog, which is used to assess myocardial metabolism and will be evaluated in patients presenting with chest pain. We completed analysis of a pilot study using FDG, a glucose analog, for imaging ischemia.

At TMH, Nuclear Cardiology, under the direction of Dr. Peter Tilkemeier, in addition to providing inpatient and outpatient testing, is participating in the development and clinical evaluation of new stress testing agents and image acquisition modalities that will significantly decrease the time needed to acquire images. Other research includes the evaluation of the new clinical appropriateness guidelines and their application in a hospital compared to outpatient setting, and providing this information to the writing committee for inclusion in the upcoming revision to this document.

The echocardiography laboratory at RIH, under the direction of Dr. Athena Poppas, continues to grow in breadth and depth in both the clinical and research arenas. The laboratory performs over 8000 transthoracic, 500 transesophageal and 500 stress echo studies each year. The laboratory has 8 state-of-the-art echocardiography carts, two dedicated stress echo rooms and one for transesophageal procedures; the lab is completely digital, with all reports being immediately available on line. The laboratory works closely with interventional cardiology for collaborative procedures in the catheterization laboratory and with cardiac anesthesia for intra-operative transesophageal studies. The echocardiography laboratory is involved in a number of research projects. An echocardiography core laboratory has supervised multicenter trials such as PLAATO trial in atrial fibrillation. Dr. Poppas continues to be a co-investigator in RO1 grants studying the cardiac and vascular relationship with echocardiography to neurocognitive structural and functional changes in the elderly. Clinical research includes investigations into echocardiographic predictors of the efficacy of biventricular pacing, dobutamine echo and viability, perioperative predictors of successful mitral valve repair and gender differences in aortic stiffness in the elderly. Animal research includes echocardiographic evaluation of swine models of chronic ischemia, mouse models of hypertrophic response to pressure overload, and rabbit models of electrical instability and sudden cardiac death.

The Heart Failure Program continues to develop increasing levels of clinical activity. The program actively participates in a number of multicenter clinical trials. Pre-transplant evaluations and post transplant care occupy significant resources, including performance of endomyocardial biopsies. The program recently marked its 28th successful transplant recipient. Of note, there has been only one transplant patient death in seven years among our patients. The program recently completed its 300th cardiopulmonary exercise test.

The adult congenital heart disease clinic meets three times monthly and is composed of Drs. Philip Stockwell, Thomas Drew, and Robert Corwin of the pediatric cardiology division. The clinic continues to grow as patients transition from the care of their pediatric cardiologist during their late teenage years or early twenties. We offer on site echocardiography and have benefited greatly from the assistance of Dr. Michael Atalay of Diagnostic Imaging, who interprets the MRI studies of these complex patients. In addition, the service has been developing ties with regional centers when specialized procedures become necessary.

The Center for Cardiac Fitness at the Miriam Hospital, under the direction of Dr. Peter Tilkemeier and Loren Stabile, continues to grow since opening three years ago. The last two years have seen increasing numbers of patients served with more than 20,000 annual patient visits in a variety of programs including cardiac rehabilitation and maintenance, pulmonary rehabilitation and maintenance, peripheral vascular rehabilitation and bariatric surgery rehabilitation. The Center is the only such entity in the state that has maintained certification from the American Association of Cardiovascular and Pulmonary Rehabilitation for the last 9 years, and benefits from close collaboration with the behavioral medicine and nutritional service departments. The Center is currently participating in five collaborative research trials, three with NIH funding, evaluating the best ways to maintain healthy lifestyle changes and the best way to treat patients with peripheral vascular disease. Collaboration is ongoing with Brown University in the development of new tools, software and models for the delivery of cardiac rehabilitation services in non-traditional settings.

At the VA Medical Center the major areas of clinical focus in the Cardiology Division remain preventive cardiology and cardiovascular imaging. Under the direction of Dr. Satish Sharma, and in close collaboration with the diagnostic imaging department, the Cardiology Division has an active imaging program with state-of-the-art SPECT camera, 3-D ECHO, cardiac MRI, and a soon-to-be-installed 64-slice CT scanner with cardiovascular imaging capabilities. Drs. Hank Wu and Gaurav Choudhary are actively

involved with the Preventive Cardiology program, which consists of multidisciplinary cardiovascular risk-reduction clinics. The Division is actively involved in teaching medical students, residents and fellows in these areas.

Cardiology research at the VA is currently focused on cardiac imaging, outcomes research, preventive cardiology as well as basic vascular biology. Ongoing imaging projects include a prospective study of multi-slice CT angiography in intermediate risk patients, endothelial function study in erectile dysfunction, and a CT and ECHO correlation study. Dr. Hank Wu is working in collaboration with the Target Research Enhancement Program at the Providence VAMC evaluating surgical blood transfusion practices and cardiovascular outcomes, and evaluating behavioral and pharmacological intervention practices in cardiovascular risk reduction. Dr. Gaurav Choudhary's basic science research program is focused on endothelial cell biology in pulmonary arterial hypertension. His work is performed at the Vascular Research Laboratory at the Providence VAMC. In addition, the division is participating in a VA co-operative study evaluating the role of home INR monitoring in patients on anti-coagulation.

Gideon Koren, M.D., joined the faculty at Rhode Island Hospital 2 years ago to establish the new **Cardiovascular Research Center (CVRC)** in the Cardiology Division. CVRC investigators including Ulrike Mende, M.D. and Bum-Rak Choi, PhD have recently moved to new state-of-the-art laboratories located on the 5th floor of the Coro building. These investigators are currently studying the molecular mechanisms of cardiac arrhythmias, myocardial hypertrophy, and heart failure using genetically modified rabbit and mouse models. Through an inter-disciplinary effort, CVRC investigators are applying a broad spectrum of experimental approaches to identify changes in cardiac excitation and contraction, cell signaling and gene regulation that contribute to cardiac disease. These approaches include a newly established modern optical mapping laboratory capable of mapping arrhythmias *ex vivo*. In addition, the new CVRC facilities include laboratories for studies in single cells and in genetically modified animal models using cellular electrophysiology, heart cell physiology, biochemistry, molecular biology, genomics, and proteomics.

FACULTY MEMBERS

FULL-TIME FACULTY (Hospital or Foundation Based)

Brian G. Abbott, M.D., Clinical Assistant Professor, Rhode Island Hospital

J. Dawn Abbott, M.D., Assistant Professor, Rhode Island Hospital

James Arrighi, M.D., Associate Professor, Rhode Island Hospital

Eric Berger, M.D., Clinical Assistant Professor, Rhode Island Hospital

Douglas Burtt, M.D., Clinical Assistant Professor, The Miriam Hospital

Alfred E. Buxton, M.D., Professor, Rhode Island Hospital and The Miriam Hospital

Gaurav Choudhary, M.D., Assistant Professor, VA Medical Center

Fredric Christian, M.D., Clinical Assistant Professor, Rhode Island Hospital

Thomas Crain, M.D., Clinical Assistant Professor, The Miriam Hospital

Thomas Drew, M.D., Clinical Associate Professor, Rhode Island Hospital

Kristin Ellison, M.D., Assistant Professor, Rhode Island and The Miriam Hospital

Michael Gilson, M.D., Clinical Assistant Professor, Rhode Island Hospital

Paul Gordon, M.D., Clinical Assistant Professor, The Miriam Hospital

Lilian Joventino, M.D., Assistant Professor, Rhode Island and The Miriam Hospital

Gary Katzman, M.D., Clinical Assistant Professor, The Miriam Hospital

Edward Keating, M.D., Clinical Assistant Professor, Rhode Island Hospital

Malcolm Kirk, M.D., Assistant Professor, Rhode Island and The Miriam Hospital

Charles Koo, M.D., Assistant Professor, Rhode Island and Miriam Hospital

Gideon Koren, M.D., Professor, Rhode Island Hospital

Kenneth Korr, M.D., Director, Associate Professor, The Miriam Hospital

Daniel Levine, M.D., Clinical Assistant Professor, Rhode Island Hospital

Gong Xin Liu, M.D., Assistant Professor, Rhode Island Hospital

George McKendall, M.D., Associate Professor, Rhode Island Hospital

Ulrike Mende, M.D., Associate Professor, Rhode Island Hospital

Albert Most, M.D., Professor, Rhode Island Hospital

Athena Poppas, M.D., Associate Professor, Rhode Island Hospital

Roger Raymond, M.D., Clinical Assistant Professor,
Rhode Island Hospital

Immad Sadiq, M.D., Assistant Professor,
The Miriam Hospital

Barry Sharaf, M.D., Associate Professor,
Rhode Island Hospital

Satish Sharma, M.D., Associate Professor,
VA Medical Center

Philip Stockwell, M.D., Clinical Assistant Professor,
Rhode Island Hospital

Peter Tilkemeier, M.D., Associate Professor,
The Miriam Hospital

Marilyn Weigner, M.D., Clinical Assistant Professor,
Rhode Island Hospital

David Williams, M.D., Professor, Rhode Island Hospital

Wen-Chih Wu, M.D., Assistant Professor,
VA Medical Center

VOLUNTEER FACULTY

Anthony Cannistra, M.D., Clinical Assistant Professor,
Memorial Hospital

Lauralyn Cannistra, M.D., Clinical Assistant Professor,
Memorial Hospital

Robert Carnevale, M.D., Clinical Assistant Professor,
Rhode Island Hospital

John Cava, M.D., Clinical Instructor,
The Miriam Hospital

Steven Fera, M.D., Clinical Assistant Professor,
Rhode Island Hospital

David Fortunato, M.D., Clinical Assistant Professor,
VA Medical Center

Joseph Gaeta, M.D., Clinical Assistant Professor Emeritus,
Rhode Island Hospital

Peter Gibson, M.D., Clinical Instructor,
Memorial Hospital

Irving Gilson, M.D., Clinical Instructor,
Rhode Island Hospital

Ned Gutman, M.D., Clinical Assistant Professor,
The Miriam Hospital

Suhdong Hahn, M.D., Clinical Assistant Professor,
Memorial Hospital

Andrew Hordes, M.D., Clinical Associate Professor,
Memorial Hospital

Jack Klie, M.D., Clinical Assistant Professor,
The Miriam Hospital

Jon Lambrecht, M.D., Clinical Assistant Professor,
The Miriam Hospital

William Levin, M.D., Clinical Assistant Professor,
The Miriam Hospital

Christopher Luttmann, M.D., Clinical Assistant Professor,
The Miriam Hospital

Shafiq MaM.D.ani, M.D., Clinical Instructor,
Memorial Hospital

Robert Meringolo, M.D., Clinical Assistant Professor,
The Miriam Hospital

John F. Murphy, M.D., Clinical Assistant Professor,
Rhode Island Hospital

Thomas E. Noonan, M.D., Clinical Assistant Professor,
Memorial Hospital

Arthur Phillips, M.D., Clinical Assistant Professor
Emeritus, Memorial Hospital

Susan Potter, M.D., Clinical Teaching Associate,
Memorial Hospital

Barbara Roberts, M.D., Clinical Associate Professor,
The Miriam Hospital

Ara Sadaniantz, M.D., Clinical Assistant Professor,
The Miriam Hospital

Gisele Saliba, M.D., Clinical Assistant Professor,
The Miriam Hospital

Jay Schachne, M.D., Clinical Instructor,
Rhode Island Hospital

Franklin Schneider, M.D., Clinical Instructor,
The Miriam Hospital

Robert Schwengel, M.D., Clinical Assistant Professor,
The Miriam Hospital

Richard Shulman, M.D., Clinical Associate Professor,
The Miriam Hospital

Mitchel Sklar, M.D., Clinical Instructor,
Miriam Hospital

Joseph Spinale, D.O., Clinical Instructor,
The Miriam Hospital

Joseph Terlato, M.D., Clinical Assistant Professor,
Rhode Island Hospital

Edward Thomas, M.D., Clinical Assistant Professor,
Rhode Island Hospital

ADJUNCT FACULTY

David DeNofrio, M.D., Adjunct Assistant Professor,
Rhode Island Hospital

Lynne Johnson, M.D., Adjunct Professor,
Rhode Island Hospital

Harry Schwartz, M.D., Clinical Assistant Professor,
The Miriam Hospital

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION OF FACULTY

Brian G. Abbott, M.D.

- Board of Directors, American Society of Nuclear Cardiology.
- Chair, Annual Scientific Sessions Program Committee, American Society of Nuclear Cardiology, 2007–2008

INVITED PRESENTATIONS:

- American College of Cardiology Annual Scientific Session, New Orleans, LA. “Diabetes Mellitus”; Read with the Experts... Updated Concepts in Risk Stratification using Nuclear Imaging. March 25 2007.

J. Dawn Abbott, M.D.

- Editorial Board, The American Journal of Cardiology, 2006

INVITED PRESENTATIONS:

- Transcatheter Cardiovascular Therapeutics (TCT) Conference, Washington DC, “Advanced Guide Techniques for the Skilled User, Anatomy of a guiding catheter”, October 19 2005
- Yale School of Medicine, Interventional Cardiology Conference, “Lessons from Drug-Eluting Stent Registries”, May 9, 2007

James A. Arrighi, M.D.

- Board of Directors, American Society of Nuclear Cardiology
- Vice President, Certification Board of Nuclear Cardiology

INVITED PRESENTATIONS:

- “Physician Certification and Training in Nuclear Cardiology.” International Conference of Nuclear Cardiology, Prague, Czech Republic.

Alfred E. Buxton, M.D.

INVITED PRESENTATIONS:

- Cardioslim. “Which Patients with an EF <40% Should Have EPS?” Nice, FR June 14, 2006
- Heart Rhythm Society Annual Scientific Sessions. Expert Commentator, Abstract Session “Electrophysiology Evaluation of VT” Denver, CO May 11, 2007
- Twenty-first Nordic Congress of Cardiology. “Prediction and Prevention of Sudden Cardiac Death in Chronic Heart Failure and LV Dysfunction” Oulu, FI, June 8, 2007

Gaurav Choudhary, M.D.

- Member: AHA NE Affiliate Peer Review (2007)

- Manuscript Reviewer: Nature Clinical Practice Cardiovascular Medicine, Atherosclerosis Thrombosis and Vascular Biology

Paul C. Gordon, M.D.

INVITED PRESENTATIONS:

- Rhode Island Chapter: American College of Cardiology, Update for Primary Care Physicians 9/2005: Carotid Artery Stenting

Charles H. Koo, M.D.

INVITED PRESENTATIONS:

- Electrophysiology Fellows’ Educational Symposium, Miami FL; Career Choices in Electrophysiology, April 2006
- Cardiology Grand Rounds, Roger Williams Medical Center, Pawtucket RI; Update in Cardiac Device Therapies, February 2005

Gideon Koren, M.D.

INVITED PRESENTATIONS:

- PDZ domain containing proteins, Heart Rhythm Society, Boston, June 2006
- Post-genomic approaches to cardiac arrhythmias, Tel Aviv, Israel October 2006
- Animal Models of long QT syndrome, Nantes, France June, 2007

Ulrike Mende, M.D.

- Elected as Fellow of the American Heart Association (FAHA), Basic Cardiovascular Sciences

INVITED PRESENTATIONS:

- Regulators of G protein Signaling in the Heart at the National Cardiovascular Center, Osaka, Japan
- Heterotrimeric G Proteins and their Regulation by RGS Proteins in Cardiac Hypertrophy and Failure at the 17th Great Wall International Congress of Cardiology, Beijing, China

Imdad Sadiq, M.D.

INVITED PRESENTATIONS:

- “Advances in Coronary Intervention”, Pakistan
- “Endovascular Interventions for the Cardiologist”, Pakistan

Satish Sharma, M.D.

- Honored as Distinguished Physician by Rajasthan Medical College Alumni Association (2006)
- Appointed to the Health Care Systems Redesign Steering Committee, for VA New England Health Care Systems (2007)

- Appointed to the Health Care Performance Improvement Committee (PIC), for VA New England Health Care Systems (2006)

Barry L. Sharaf, M.D.

INVITED PRESENTATIONS

- Optical Coherence Tomography. Core Curriculum. American College of Cardiology Anaheim, California. March 5, 2005
- Coronary Artery Imaging in the Cath Lab. Cardiology Grand Rounds, University of Florida, Gainesville April 20, 2006

Peter L. Tilkemeier, M.D.

- Fellow, American Society of Nuclear Cardiology, 2006
- Member, Quality in Imaging Summit, American College of Cardiology Foundation 2007

David O. Williams, M.D.

- Milton Hamolsky Outstanding Physician Award, 2007
- Barnet Fain Award-as Chairman of the Rhode Island Hospital Door-to-Balloon Taskforce
- Charles Laubach Visiting Professorship, Geisinger Medical Center

Wen-Chih Wu, M.D.

INVITED PRESENTATION:

- Wu WC. "BNP and the management of CHF." Medical Grand Rounds, Roger Williams Hospital, Boston University School of Medicine. March, 2005; Providence, RI.

RESEARCH AND OTHER SCHOLARLY ACTIVITIES

Brian Abbott, M.D.

- Invited Participant, American College of Cardiology-Duke University Medical Center Think Tank on Quality in Cardiovascular Imaging, Washington D.C., January 31-February, 2006

J. Dawn Abbott, M.D.

- Grant Study Section, American Heart Association, Northeast Affiliate, NEA 6 (Cell Structure and Function) Study Group 2006
- Abstract Reviewer, American College of Cardiology Annual Scientific Session, 2007-

James Arrighi, M.D.

- Chairman, Integrated Imaging Spotlight Committee, American College of Cardiology

- Education Committee, Research Grants Committee, and Scientific Session Program Committee, American Society of Nuclear Cardiology

- Abstract Selection Committee, American Heart Association

- Question Writing and Review Committee, Certification Board of Nuclear Cardiology

Alfred E. Buxton, M.D.

- Member, American College of Cardiology/American Heart Association /European Society of Cardiology: Ventricular Arrhythmias and Sudden Cardiac Death Guidelines Writing Committee

- Chairman, American College of Cardiology/American Heart Association/Heart Rhythm Society: Committee on Electrophysiology Data Standards

- Chairman, American College of Cardiology/Heart Rhythm Society, National ICD Registry: Database Data Elements and Definitions Committee

- Member, American Board of Internal Medicine: Member, Test Writing Committee on Clinical Cardiac Electrophysiology

Gaurav Choudhary, M.D.

- Manuscript Reviewer: Nature Clinical Practice Cardiovascular Medicine, Atherosclerosis Thrombosis and Vascular Biology.

Thomas M. Drew, M.D.

- Chairman, DOH/AHA Committee on Heart Healthy Community Program (developing criteria for and promoting necessary programs for communities in RI to meet the Heart Healthy AHA standards as adopted in RI)

- Chairman: Elective Procedures Subcommittee, Health Care Quality Partners (DOH initiative to track numbers and outcomes of elective procedures by institution and physician, making that data available to the public)

Kristin E. Ellison, M.D.

- Chairperson for the Rhode Island Hospital Cardiac Arrest Committee

Ulrike Mende, M.D.

- Integrative Cardiac Biology Study Section, American Heart Association
- Cardiac Contractility, Hypertrophy and Failure (CCHF) Study Section, National Institutes of Health

Athena Poppas, M.D.

- Abstract Reviewer:

- American Society of Echocardiography Annual Scientific Sessions,
- American College of Cardiology Scientific Sessions
- American Heart Association, Scientific Sessions
- Section Editor. Valvular Heart Disease. ECHOSAP05, American College of Cardiology
- American Society of Echocardiography, Scientific Sessions Program committee
- American Society of Echocardiography, Exam Review Course Planning Committee
- American College of Cardiology, Digital Programming Editorial Board, member
- American College of Cardiology, Women in Cardiology Committee, Chair
- American College of Cardiology, Task Force to Develop Ethics Agenda, member
- American College of Cardiology Board of Trustees Working Group: Environmental Trend Information, member
- American College of Cardiology Board of Governors Working Group:
 - Strategic Planning, member
- American College of Cardiology Section Women in Cardiology, Professional Life
 - Survey Work Group, Chair
- American College of Cardiology, Nominating Committee, member
- American College of Cardiology, Rhode Island Governor and Chapter President
- American Heart Association, Women in Cardiology Committee, member
- Reviewer: Journal of the American Society of Echocardiography
 - American Heart Journal
 - Echocardiography Journal

Barry Sharaf, M.D.

- Member, Women's Ischemic Syndrome Evaluation (WISE) Policy and Publications Committee, National Heart, Lung and Blood Institute
- Member, Women's Ischemic Syndrome Evaluation (WISE) Operations Committee National Heart, Lung and Blood Institute

Satish C. Sharma, M.D.

- Member, National Executive Committee, VA Co-operative Study #399 (Atrial Fibrillation)
- The Home INR Study (THINRS), VA Cooperative Study #481, Principal Investigator

David O. Williams, M.D.

- Reviewer, Network for Cardiothoracic Surgical Investigations in Cardiovascular Medicine, NIH/NHLBI
- Study Chairman, NHLBI Dynamic Registry
- National Principal Investigator, DEScover Registry
- Editorial boards: Circulation, Journal of the American College of Cardiology, American Heart Journal, The American Heart Hospital Journal, ACCEL, Up-To-Date-Interventional Cardiology section editor
- Editorial Review: New England Journal of Medicine, Journal of Thrombosis and Hemostasis
- Member, ABIM Interventional Cardiology SEP Committee

Wen-Chih Hank Wu, M.D.

- Medical Faculty Executive Committee, Brown University (July, 2004 –)

TEACHING ACTIVITIES**EDUCATION HONORS AND AWARDS****Brian G. Abbott, M.D.**

- Dean's Teaching Recognition Award

Alfred Buxton, M.D.

- Dean's Teaching Excellence Award

Gaurav Choudhary, M.D.

- Dean's Teaching Excellence Award

Thomas Crain, M.D.

- Dean's Teaching Excellence Award

Athena Poppas, M.D.

- Outstanding Teaching Award, Department of Medicine

Immad Sadiq, M.D.

- Dean's Teaching Excellence Award

Philip Stockwell, M.D.

- Dean's Teaching Excellence Award
- Teaching Recognition Award

Peter Tilkemeier, M.D.

- Dean's Teaching Excellence Award, Internal Medicine Clerkship

Wen-Chih Hank Wu, M.D.

- ▶ Teacher of the Year Award, Cardiology Fellowship

TEACHING RESPONSIBILITIES

Brian G. Abbott, M.D.

- ▶ Director, Rhode Island Hospital Internal Medicine
2nd year resident ECG interpretation course

James Arrighi, M.D.

- ▶ Program Director, Fellowship in Cardiovascular Disease

Douglas Burt, M.D.

- ▶ Director, BioMed 350 Pathophysiology and Pharmacology, Cardiology Section

Alfred Buxton, M.D.

- ▶ Program Director, Clinical Cardiac Electrophysiology Fellowship

Paul Gordon, M.D.

- ▶ Director, Interventional Cardiology Training Program, The Miriam Hospital

Athena Poppas, M.D.

- ▶ Director, Cardiology Fellowship Echocardiography Curriculum

Philip Stockwell, M.D.

- ▶ Course Director, Biomed 310—Consultative Cardiology.
- ▶ Director, Cardiology Grand Rounds and Friday Clinical Cardiology Conference

David O. Williams, M.D.

- ▶ Program Director, Interventional Cardiology Fellowship, Rhode Island Hospital

Wen-Chih Wu, M.D.

- ▶ Section co-leader: Bio 281 - Pathophysiology Course

SELECTED PUBLICATIONS

Brian G. Abbott, M.D.

- ▶ Abbott BG, Liu Yi-Hwa, Arrighi JA. F-18 fluorodeoxyglucose as a memory marker of transient myocardial ischemia. *Nucl Med Commun* 2007;28:89–94.
- ▶ Bax JJ, Abbott BG, Beanlands RS, Bengel F, Berman DS, Garcia EV, Hendel RC, Mieres JH, Shaw LJ, Wackers FJ. Highlights of the 2006 Scientific Sessions of the American Society of Nuclear Cardiology. *Journal of the American College of Cardiology*. 49(4):502–508 2007 Jan.

J. Dawn Abbott, M.D.

- ▶ Abbott JD, Choi EJ, Selzer F, Srinivas VS, and Williams DO. Impact of Coronary Collaterals on Outcome Following Percutaneous Coronary Intervention (from the National Heart, Lung, and Blood Institute Dynamic Registry). *Am J Cardiol*, 96(5):676–80, 2005.
- ▶ Abbott JD, Kip KE, Vlachos HA, Sawhney N, Srinivas VS, Jacobs AK, Holmes DR, and Williams DO. Lack of Recent Improvement in the Percutaneous Treatment of Chronic Total Coronary Occlusions. *Am J Cardiol* 2006; 97(12):1691–96.
- ▶ Abbott JD, Sharaf BL, Vlachos H, Selzer F, Holper E, Glaser R, Jacobs A, and Williams DO. Gender-Based Outcomes in Percutaneous Coronary Intervention with Drug Eluting Stents (from the National Heart, Lung, and Blood Institute Dynamic Registry) *Am J Cardiol* 2006; 99:626–631.
- ▶ Williams DO, Abbott JD, Kip KE, and the DEScover Investigators. Outcomes of 6,906 Patients Undergoing Percutaneous Coronary Intervention in the Era of Drug-Eluting Stents: Report of the DEScover Registry. *Circulation* 2006;114:2154–2162.

James A. Arrighi, M.D.

- ▶ Abbott BG, Liu Yi-Hwa, Arrighi JA. F-18 fluorodeoxyglucose as a memory marker of transient myocardial ischemia. *Nucl Med Commun* 2007;28:89–94.

Alfred E. Buxton, M.D.

- ▶ Buxton AE, Sweeney MO, Wathen MS, Josephson ME, Otterness MF, Hogan-Miller E, Stark AJ, DeGroot PJ, for the PainFREE RXII Investigators. QRS Duration Does Not Predict Occurrence of Ventricular Tachyarrhythmias in Patients with Implanted Cardioverter-Defibrillators. *J Amer Coll Card*. 2005;46:310–316.
- ▶ Zipes DP, Camm AJ, Borggrefe M, Buxton AE, Chaitman B, Fromer M, Gregoratos G, Klein G, Moss AJ, Myerburg RJ, Priori SG, Quinones MA, Roden DM, Silka MJ, Tracy C. ACC/AHA/ESC 2006 guidelines for management of report of the American College of Cardiology/American Heart Association Task Force and the European Society of Cardiology Committee for Practice Guidelines (Writing Committee to Develop Guidelines for Management of Patients With Ventricular Arrhythmias and the Prevention of Sudden Cardiac Death). *J Am Coll Cardiol* 2006;48:e247– e346.
- ▶ Buxton AE, Calkins H, Callans DJ, Dimarco JP, Fisher JD, Greene HL, Haines DE, Hayes DL, Heidenreich

PA, Miller JM, Poppas A, Prystowsky EN, Schoenfeld MH, Zimetbaum PJ, Heidenreich PA, Goff DC, Grover FL, Malenka DJ, Peterson ED, Radford MJ, Redberg RF. ACC/AHA/HRS 2006 Key Data Elements and Definitions for Electrophysiological Studies and Procedures. A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Data Standards (ACC/AHA/HRS Writing Committee to Develop Data Standards on Electrophysiology). *Circulation*. 2006;114:2534–2570.

- ▶ Frain BH, Ellison KE, Michaud GF, Koo CH, Buxton AE, Kirk MM. True bipolar defibrillator leads have increased sensing latency and threshold compared with the integrated bipolar configuration. *J Cardiovasc Electrophysiol*. 2007;18:192–196.
- ▶ Ott P, Kirk MM, Koo C, He DS, Bhattacharya B, Buxton A. Coronary sinus and fossa ovalis ablation: Effect on interatrial conduction and atrial fibrillation. *J Cardiovasc Electrophysiol*. 2007;18:310–317.

Gaurav Choudhary, M.D.

- ▶ Flow Mediated Vasodilation Predicts the Presence and Extent of Coronary Disease Assessed by Stress Thallium Imaging. Wen-Chih Wu, M.D.; Satish C. Sharma, M.D., FACC; Gaurav Choudhary, M.D.; Linda Coulter, RN; Elizabeth Coccio, RN; and Charles B. Eaton, M.D., FAHA. *Journal of Nuclear Cardiology*. 2005 Sep–Oct;12(5):538–44.

Kristin E. Ellison, M.D.

- ▶ Ellison KE, Gaurang Gandhi. Optimising the Use of Beta-Adrenoceptor Antagonists in Coronary Artery Disease. *Drugs* 2005; 65(6) 787–797.
- ▶ Frain BH, Ellison KE, Michaud GF, Koo CH, Buxton AE, Kirk MM. True bipolar defibrillator leads have increased sensing latency and threshold compared with the integrated bipolar configuration. *J Cardiovasc Electrophysiol*. 2007;18:192–196.

Malcolm M. Kirk, M.D.

- ▶ Rashba, EJ, Farasat, M., Kirk, M. M. Shorofsky SR, Peters RW., Gold MR. Effect of an Active Abdominal Pulse Generator on Defibrillation Thresholds With a Dual-Coil, Transvenous ICD Lead System. *Journal of Cardiovascular Electrophysiology*, 2006; 17(6):617–20.
- ▶ Frain, B H., Ellison, K. E., Michaud, G. F., Koo C. H., Buxton A. E., Kirk, M. M. True Bipolar Defibrillator Leads Have Increased Sensing Latency and Threshold Compared to the Integrated Bipolar Configuration. Accepted for publication, *Journal of Cardiovascular Electrophysiology* 2007;18 (2) 192–195.

- ▶ Ott, P., Kirk, M. M., Koo, C., He, D.S., Bhattacharya, B. Buxton, A.E. Coronary Sinus and Fossa Ovalis Ablation: Effect On Interatrial Conduction And Atrial Fibrillation. *Journal of Cardiovascular Electrophysiology* 2007; 18 (3) 310–317

Gideon Koren, M.D.

- ▶ Roder K, Koren G. The K⁺ channel gene, Kcnb1: genomic structure and characterization of its 5'-regulatory region as part of an overlapping gene group. *Biological Chemistry* 2006; 387: 1237–1246.

Ulrike Mende, M.D.

- ▶ Zhang W, Anger T, Su J, Hao J, Xu X, Zhu M, Gach A, Cui L, Liao R, Mende U. Selective loss of fine-tuning of Gq/11 signaling by RGS2 protein exacerbates cardiomyocyte hypertrophy. *J Biol Chem*. 2006; 281(9): 5811–5820.
- ▶ Hao J, Zhang W, Michalek C, Zhu M, Xu X, Mende U. Regulation of cardiomyocyte signaling by RGS proteins: differential selectivity towards G proteins and susceptibility to regulation. *J Mol Cell Cardiol*. 2006; 41: 51–61.
- ▶ Schmitt JP, Debold EP, Ahmad F, Armstrong A, Frederico A, Conner DA, Mende U, Lohse MJ, Warshaw D, Seidman CE, Seidman JG. Cardiac myosin missense mutations cause dilated cardiomyopathy in mouse models and depress molecular motor function. *Proc Natl Acad Sci USA*. 2006; 103(39): 14525–14530.
- ▶ Fish S, Gray S, Heymans S, Wang B, Haldar S, Pfister O, Cui L, Kumar A, Lin Z, Sen-Banerjee S, Das H, Petersen CA, Mende U, Burleigh BA, Zhu Y, Pinto Y, Liao R, Jain M. Kruppel-like factor KLF 15 is a novel regulator of cardiomyocyte hypertrophy. *Proc Natl Acad Sci USA*. 2007; 104(17): 7074–7079.

Athena Poppas, M.D.

- ▶ Paul R, Gunstad J, Poppas A, Tate D, Foreman D, Brickman AM, Jefferson A, Hoth K, Cohen R. Neuroimaging and Cardiac Correlates of Cognitive Function Among Patients with Cardiac Disease. *Cerebrov Dis*. 20(2):129–33, 2005.
- ▶ Hopkins R, Harrington C, Poppas A. Munchhausen Syndrome Simulating Acute Aortic Dissection. *Ann Thoracic Surgery*.81:1497–99, 2006.
- ▶ Maslow AD, Mahmood F, Poppas A, Singh A. Intraoperative Dobutamine Stress Echocardiography To Assess Aortic Valve Stenosis. *J Cardiothoracic Vasc Anesth*. 20(6):862–866, 2006.
- ▶ Gunstad J, Poppas A, Smeal S, Paul, R., Tate D, Jefferson A, Forman D, Cohen R. Elevated BNP

levels and reduced cognitive performance in adults > 55 years of age with cardiovascular disease. *American Journal of Cardiology* 98(4):538–40, 2006.

- Hoth K, Tate D, Poppas A, Forman D, Gunstad J, Moser DJ, Paul RF, Jefferson AL, Haley AP, Cohen R. Endothelial Function and White Matter Hyperintensities in Older Adults with Cardiovascular Disease. *Stroke* 38:1–8, 2007

Barry Sharaf, M.D.

- Shaw LJ, Bairey Merz CN, Pepine CJ, Reis SE, Bittner V, Kelsey SE, Olson MB, Johnson BD, Mankad S, Sharaf BL, Rogers WJ, Wessel TR, Arant CB, Pohost GM, Lerman A, Quyyumi AA, Sopko G. Insights From the NHLBI-sponsored Women's Ischemia Syndrome Evaluation (WISE) Study: Part I: Gender Differences in Traditional and Novel Risk Factors, Symptom Evaluation and Gender-Optimized Diagnostic Strategies. *Journal of American College of Cardiology* 2006;47(3):4–20
- Bairey Merz CN, Shaw LJ, Reis SE, Bittner V, Kelsey SE, Olson MB, Johnson BD, Pepine CJ, Mankad S, Sharaf BL, Rogers WJ, Pohost GM, Lerman A, Quyyumi AA, Sopko G. Insights From the NHLBI-Sponsored Women's Ischemia Syndrome Evaluation (WISE) Study: Part II: Gender Differences in Presentation, Diagnosis, and Outcome With Regard to Gender-Based Pathophysiology of Atherosclerosis and Macrovascular and Microvascular Coronary Disease. *Journal of the American College of Cardiology* 2006;47(3):21–29.
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- Gierach GL, Johnson BD, Bairey Merz CN, Kelsey SE, Bittner V, Olson MB, Shaw LJ, Mankad S, Pepine CJ, Reis SE, Rogers WJ, Sharaf BL, Sopko G. Hypertension, Menopause, and Coronary Artery Disease Risk in the Women's Ischemia Syndrome Evaluation (WISE) Study. *Journal of the American College of Cardiology* 2006;47(3):50–58.
- Abbott JD, Vlachos HA, Selzer F, Sharaf BL, Holper E, Glaser R, Jacobs AK, Williams DO. Gender-Based Outcomes in Percutaneous Coronary Intervention with Drug-Eluting Stents: Results From the NHLBI Dynamic Registry. *American Journal of Cardiology* 2007;99:626–631.

Satish Sharma, M.D.

- Singh BN, Singh SN, Reda D, Fye C, Tang C, Lopez B, Ezekowitz M, Fletcher R, Sharma SC, et al. The Effects of Antiarrhythmic Therapy in Maintaining Stability of Sinus Rhythm in Atrial Fibrillation (Sotalol Amiodarone Atrial Fibrillation Efficacy Trial (SAFE-T), a Veterans Affairs Cooperative Study. *NEJM* 2005 May 5; 352(18):1861–72.
- Wu WC, Sharma SC, Choudhary G, Coulter L, Coccio E, Eaton CB. Flow Mediated Vasodilation Predicts the Presence and Extent of Coronary Disease Assessed by Stress Thallium Imaging. *J Nucl Cardiol* 2005; 12(5):538–44.
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- Martin OJ, Wu WC, Taveira TH, Eaton CB, Sharma SC. Multidisciplinary Group Behavioral and Pharmacologic Intervention for Cardiac Risk Reduction in Diabetes: A Pilot Study. *The Diabetes Educator* 2007; 33(1):118–127.

Peter Tilkemeier, M.D.

- Afshar, M., Tilkemeier, PL. The Utility of Gated SPECT imaging in quantitative and regional ejection fraction, *Chest*, 127(3):701–702, 2005.
- Todaro, JF., Shen, BJ., Niaura R., Tilkemeier, PL. Prevalence of depressive disorders in men and women enrolled in cardiac rehabilitation, *Journal of Cardiopulmonary Rehabilitation*, 25(2):71–75, 2005.

David O. Williams, M.D.

- Williams, David O.: Clopidogrel Pretreatment for Percutaneous Coronary Intervention: Double, Double, Dose in Trouble? *Circulation* 2005;111(16):2019–2021
- Abbott JD, Choi EJ, Selzer F, Srinivas VS, Williams DO: Impact of Coronary Collaterals on Outcome Following Percutaneous Coronary Intervention (From the National Heart Lung and Blood Institute Dynamic Registry). *The American Journal of Cardiology* 2005;96:676–680
- Williams DO Abbott JD: Bifurcation Intervention: It is Crush Time Yet? *Journal of the American College of Cardiology* 2005;46:621–624.
- Williams, David O., Abbott, J. Dawn, Kip, Kevin E. for the DEScover Investigators: Outcomes of 6,906 Patients Undergoing Percutaneous Coronary Intervention in the Era of Drug-Eluting Stents: Report of the DEScover Registry. *Circulation* 2006;114(20):2154–2162.

FELLOWS AND RESIDENTS July 1, 2005 -June 30, 2007**Combined Program of the Rhode Island & Miriam Hospitals - General Cardiology**

Name	Medical School	Residency
Kamel Addo, M.D.	Dartmouth Med Sch & Brown Med Sch	Brown University Program
Maryam Afshar, M.D.	Flinders U of S. Australia	Yale Univ School of Medicine
Michael Castine, M.D.	UM.D.NH-New Jersey Medical School	Tufts-NEMC
Youngsoo Cho, M.D.	Albert Einstein COM	Rhode Island & Miriam Hospitals
Adam Chodosh, M.D.	Albert Einstein COM	Univ of Vermont - Fletcher Allen
Wing Kin Fung, M.D.	Tufts University School of Medicine	Tufts-NEMC
David Glassman, M.D.	Indiana University	University of Iowa
Rahool Karnik, M.D.	Tufts Univ SOM	Univ of California - Davis Med Ctr
Robert M. Kirchner, M.D.	MCP/Hahnemann SOM	David Grant USAF Med Ctr
Russell Linsky, M.D.	Univ of Arkansas for Medical Sciences	Univ of Arkansas for Medical Sciences
David Major, M.D.	Wake Forest Univ School of Medicine	Wake Forest Univ Baptist Medical Center
Craig McMackin, M.D.	Temple Univ Medical School	Boston Medical Center
Shalin B. Mehta, M.D.	Univ of Maryland	Case Western Reserve Univ
Brad Mikaelian, M.D.	Loyola University	Boston Medical Center
Stephan Muhlebach, M.D.	UConn - Farmington	Brown University Program
Adam Niedelman, M.D.	Jefferson Med College	Rhode Island & Miriam Hospitals
Richard Regnante, M.D.	MCP-Hahnemann School of Medicine	Rhode Island & Miriam Hospital
Nathan Ritter, M.D.	Univ of Alabama, Birmingham	Univ of Miami, Jackson Memorial Hosp
Clifford Sebastian, M.D.	Albany Med College	Temple University Hospital
Victor H. Shin, M.D.	New York Univ SOM	Thomas Jefferson Univ Hospital
Steven Weinsier, M.D.	Univ of Alabama, Birmingham	Univ of Maryland Medical Center
Aaron Weisbord, M.D.	University of California Los Angeles	Beth Israel/Deaconess
Ohad Ziv, M.D.	Univ of Pittsburgh School of Medicine	Columbia Presbyterian Hospital
Ryan Zuzek, M.D.	Nat'l Univ of Galway (Ireland)	Cleveland Clinic

Electrophysiology

Name	Medical School	Residency
Fausto G. Devecchi, M.D.	University of Turin (Italy)	Roger Williams Medical Center, Providence
Jamie Kim, M.D.	Tufts University	NEMC
Peem Lorvidhaya, M.D.	Chiang Mai University, Thailand	John A Burns School of Medicine, Hawaii
Kai-Chun Sung, M.D.	Columbia Univ. School of P & S	Baylor College of Medicine
Joe Yamine, M.D.	Lebanese University, Beirut	SUNY Upstate Medical University, Syracuse

Interventional Cardiology - RIH

Name	Medical School	Residency
Edward J. Choi, M.D.	Wake Forest Univ SOM	UM.D.NJ-Robert Wood Johnson
Mathew Purvis, M.D.	Georgetown Univ SOM	Georgetown Univ SOM
Alicia Romero, M.D.	Univ of Texas Med Branch - Galveston	NY Presbyterian - Cornell
Matthew Voss, M.D.	Southern Illinois Univ SOM	Yale-New Haven Hospital

Interventional Cardiology - TMH

Name	Medical School	Residency
Shalin B. Mehta, M.D.	Univ of Maryland	Case Western Reserve Univ
Clifford Sebastian, M.D.	Albany Med College	Temple University Hospital
Pranav Patel, M.D.	St. Louis U SOM	Case Western Reserve Univ
John Waggoner, M.D.	Oregon Health Sci Univ	U of Vermont, Fletcher Allen

Post Graduate Plans

Combined Program of the Rhode Island & Miriam Hospitals - General Cardiology

Name		Post Graduate Plans
Maryam Afshar, M.D.	2006	Private Practice in New York
Michael Castine, M.D.	2007	Interventional Cardiology Fellowship Massachusetts
Youngsoo Cho, M.D.	2006	Private Practice in Arizona
Russell Linsky, M.D.	2007	Interventional Cardiology Fellowship TMH
David Major, M.D.	2007	Private Practice North Carolina
Shalin B. Mehta, M.D.	2006	Interventional Cardiology Fellowship TMH
Adam Niedelman, M.D.	2006	Private Practice in Rhode Island
Nathan Ritter, M.D.	2007	Private Practice New York
Clifford Sebastian, M.D.	2006	Interventional Cardiology Fellowship TMH
Victor H. Shin, M.D.	2006	Research Fellowship VAMC-RI
Steven Weinsier, M.D.	2007	Interventional Cardiology Fellowship TMH
Ohad Ziv, M.D.	2007	Electrophysiology Fellowship RIH

Electrophysiology

Name		Post Graduate Plans
Fausto G. Devecchi, M.D.	2007	Private Practice in Wisconsin
Jamie H. Kim, M.D.	2006	Private Practice in New Hampshire
Peem Lorvidhaya, M.D.	2007	Private Practice in Vermont
Kai-Chun Sung, M.D.	2006	Private Practice in Arizona
Joe Yammine, M.D.	2007	Medical Staff Memorial Hospital, Pawtucket, RI

Interventional Cardiology - RIH

Name		Post Graduate Plans
Edward J. Choi, M.D.	2006	Private Practice in New Jersey
Mathew Purvis, M.D.	2007	Private Practice in Colorado
Alicia Romero, M.D.	2007	Private Practice in Massachusetts
Matthew Voss, M.D.	2006	Private Practice in New Jersey

Interventional Cardiology - TMH

Name		Post Graduate Plans
Shalin B. Mehta, M.D.	2007	Private Practice in Florida
Pranav Patel, M.D.	2006	Peripheral Fellowship in Massachusetts
Clifford Sebastian, M.D.	2007	Private Practice in New Jersey
John Waggoner, M.D.	2006	Private Practice in Washington

SELECTED PUBLICATIONS *continued*

- ▶ Beohar N, Davidson CJ, Kip KE, Goodreau L, Vlachos HA, Meyers SN, Fenzuly KH, FlahertyJD, Ricciardi JM, Bennett CJ, Williams, DO: Outcomes and complications associated with off-label and untested use of drug-eluting stents. *Journal of the American Medical Association* 2007;297(18):1992–2000.

Wen Chi Wu, M.D.

- ▶ Wu WC, Sharma SC, Choudhary G, Coulter L, Coccio E, Eaton CB. Flow Mediated Vasodilation Predicts the Presence and Extent of Coronary Disease Assessed by Stress Thallium Imaging. *J Nucl Cardiol* 2005; 12(5):538–44.

- ▶ Patel PM, Wu WC. The electrocardiogram in the primary care office. *Primary Care Clinics of North America* 2005; 32(4):901–30.
- ▶ Taveira TH, Wu WC, Martin OJ, Schleinitz M.D., Friedmann P, Sharma SC. Pharmacist-led cardiac risk reduction model. *Prev Cardiol* 2006; 9(4):202–8.
- ▶ Martin OJ, Wu WC, Taveira TH, Eaton CB, Sharma SC. Multidisciplinary Group Behavioral and Pharmacologic Intervention for Cardiac Risk Reduction in Diabetes—a Pilot Study. *Diabetes Educator* 2007; 33(1):118–27.

RESEARCH		Direct	Indirect	Total
TOTAL BASIC RESEARCH EXPENSES FOR CARDIOLOGY	Academic Year 2005	\$49,530	\$15,642	\$65,172
	Academic Year 2006	\$843,217	\$358,759	\$1,201,976
TOTAL CLINICAL RESEARCH EXPENSES FOR CARDIOLOGY	Academic Year 2005	\$830,612	\$187,484	\$1,018,096
	Academic Year 2006	\$630,322	\$88,075	\$718,397



BASIC RESEARCH

Malcolm Kirk, M.D.

- ▶ The Effect of Omega-3 Fatty Acids on the Electrophysiology of Chronically Infarcted Swine Hearts. Rhode Island Foundation
- ▶ Screening of PREDIX Kv 1.5 Blocking Agent in an Atrial Fibrillation Animal Model. Predix Pharmaceuticals

Gideon Koren, M.D.

- ▶ Rhode Island Genomics & Proteomics BioBank (RIGAPB) RIH Contribution. Lifespan/Brown University
- ▶ Assembly and Trafficking of Cardiac K⁺ Channels. NIH/National Heart Lung & Blood Institute
- ▶ Heart and Muscle K⁺ Channels: Assembly and Regulation. NIH/National Heart Lung & Blood Institute

Ulrike Mende, M.D.

- ▶ G Protein-mediated Signaling and its Regulation by RGS proteins in Cardiac Fibroblasts. American Heart Association
- ▶ RGS Regulation of Cardiac Signaling and Hypertrophy. NIH/National Heart Lung & Blood Institute
- ▶ Muscarinic Signaling: Regulation of Ventricular Function. NIH/National Heart Lung & Blood Institute

CLINICAL RESEARCH

Jinette Dawn Abbott, M.D.

- ▶ The Evaluation of a Novel Drug Eluting Stent That combines a Bioactive Carrier and the Anti-restenotic Drug Paclitaxel. Biotegra, Inc.

- ▶ Determination of Non-Responsiveness to Anti-Platelet Therapy in Patients Undergoing Percutaneous Coronary Intervention using a Point-of-care Device. Rhode Island Foundation
- ▶ Evaluation of a Device for Crossing Chronic Total Occlusions that Includes Vessel Visualization. Novelis, Incorporated

James Arrighi, M.D.

- ▶ F-18 Fluorodeoxyglucose Uptake on PET for Evaluation of Carotid and Aortic Plaque Instability. Cardinal Health
- ▶ The Study of Perfusion and Anatomy's Role in CAD (SPARC). Brigham & Women's Hospital

Dawna Blake

- ▶ VA MI Plus: Web Enhanced Guideline Implementation for Post MI CBOC Patients. VA
- ▶ HOPE: Healthy Organizations, Patients and Employees. Agency for Health Care Policy Research
- ▶ VISN Collaborative for Improving Hypertension Management with ATHENA-HTN. VA

Alfred Buxton, M.D.

- ▶ Dual Chamber and VVI Implantable Defibrillator Trial. University of Washington/St. Jude Medical
- ▶ Atrial Fibrillation and Congestive Heart Failure. Research Centre of the Montreal Heart Institute
- ▶ MESH 7033: Investigational Atrial Fibrillation Ablation Study. CR Bard
- ▶ An Open-label, Multicentre, Phase 2 Study Evaluating the Utility of ¹²³I-mIBG Scintigraphy for Assessing Arrhythmic risk as Compared to Electrophysiology Testing in Subjects with Left Ventricular Dysfunction. GE Healthcare

- Fibrillation Registry Assessing Costs, Therapies, Adverse Events and Lifestyle. Medtronic
- Investigating Significant ICD heart Therapies (INSIGHTS). Medtronic

Gaurav Choudhary

- Role of C-Type Natriuretic Peptide in Pulmonary Vascular Function (study 1). RI Foundation
- Role of C-Type Natriuretic Peptide in Pulmonary Vascular Function. RI INBRE
- Role of C-Type Natriuretic Peptide in Microvascular Endothelial Cell Proliferation and Apoptosis. VA

Fredric Christian, M.D.

- Atrial High Rate Episodes in Pacemaker Patients. Medtronic

Kristin Ellison, M.D.

- BLOCK HFStudy. Medtronic
- Optimal Myocardial Electrical Resynchronization Study. Medtronic
- InSync ICD Post market Registry Cardiac Resynchronization Therapy. Medtronic
- Atrial Synchrononus Biventricular Pacing Device. Medtronic
- ENDOTAK RELIANCE G Evaluation of Handling and Electrical Performance. Guidant Corporation
- Managed Ventricular Pacing Compared to VVI. Medtronic
- Rhythm ID Going Head to Head Trail. Medtronic
- Pacing Evaluation-Atrial Support Study in Cardiac Resynchronization Therapy. Guidant Corporation

Paul Gordon, M.D.

- D.E.S.cover Registry Study. Cordis Corporation
- Evaluating Ischemic and Restenotic Outcomes in the Drug Eluting Stent Era. Millennium/Paragon Biomedical, Incorporated
- A Prospective, Randomized Trial Evaluating the Taxus Paclitaxel-Eluting Coronary Stent in De Novo Coronary Stent in De Novo Coronary Lesions and In-Stent Restenosis. Parexel/BSC
- Pioglitazone Effect on Regression of Intravascular Sonographic Coronary Obstruction Prospective Evaluation. Omnicare Clinical Research
- Tenax XR Registry. Biotronik, Inc.
- A Multicenter Registry for the Evaluation of Drug Eluting Stents and Ischemic Events. Paragon Biomedical, Inc./Millennium

- A Randomized, Double-blind Trial to Assess TAXUS Paclitaxel-Eluting Coronary Stents, Slow-Release Formulation, in the Treatment of De Novo Coronary Lesions. Boston Scientific
- Prospective Randomized Trail Evaluating the Slow-Release Formulation TAXUS Pacitaxel-Eluting Coronary Stent in the Treatment of In-Stent Restenosis. Boston Scientific Scimed, Inc.
- A Study to Evaluate the Effect of Rosuvastatin on intravascular Ultrasound-Derived Coronary Atheroma Burden. AstraZeneca
- NIRFLEX U.S. Study. Medinol Ltd.
- A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial Comparing the Efficacy and Safety of Reteplase and Abciximab combination Therapy with Abciximab alone Administered Early or Just Prior to Primary Percutaneous coronary Intervention for Acute Myocardial Infarction (FINESSE). Centocor, Inc
- A Prospective, Randomized, Double Blind, Multi-center Study Comparing the Effects of Atorvastatin versus Pravastatin on the Progression and Quantification of Coronary Atherosclerotic Lesions as Measured by Intravascular Ultrasound. Warner-Lambert Company
- A Randomized, Controlled Study of the Use of a Central Venous Catheter for Core Cooling and Rewarming as an Adjunct to Percutaneous Coronary Intervention for the Treatment of Acute Myocardial Infarction. Innercool Theapies
- AngioJet Rheolytic Thrombectomy in Patiens Undergoing Primary Angioplasty for Acute Myocardial Infarction. Possis Medical, Inc.
- A Prospective, Randomized Trial Evaluating the Slow Release Formulation TAXUS Paclitaxel-Eluting Coronary Stent in the Treatment of In-Stent Restenosis. Boston Scientific
- A Prospective, Randomized, Open-label, Multicenter Study in Patients Presenting with Acute Coronary Syndromes. Aventis Pharmaceuticals Products, Inc.
- A Comparison of Prasugrel (CS-747) and Clopidogrel in Acute coronary Syndromes Subjects who are to Undergo Percutaneous Coronary Intervention. Quintiles/Eli Lilly
- A Comparison of CS-747 and Clopidogrel in Acute Coronary Syndrome Subjects who are to Undergo Percutaneous Coronary Intervention/TIMI-38. Quintiles/Eli Lilly

- ▶ A Randomized Trial to Evaluate the Relative Protection Against Post-PCI Microvascular Dysfunction and Post-PCI Ischemia Among Anti-Platelet and Anti-Thrombotic Agents. Millennium/Paragon Biomedical, Incorporated
- ▶ A Clinical Evaluation of the XIENCEtm V Everolimus Eluting Coronary Stent System (EECSS) in the Treatment of Subjects with De Novo Native Coronary Artery Lesions. Advanced Cardiovascular Sys, Incorporated
- ▶ Closure of patent Foramen Ovale with Amplatzer PFO Occluder the Pfo Access Registry. Cardiovascular Research Foundation
- ▶ Harmonizing Outcomes with Revascularization and Stents HORIZONS AMI TRIAL. Pacesetter, Inc. a St. Jude Company
- ▶ An Open Label Prospective Parallel 6 Month Controlled Randomized Multicenter Trial Comparing the Long Term Safety and Efficacy of the Resmed Autoset CS to 2/L Nasal oxygen. ResMed Corp
- ▶ Study of Candesartan in Patients with Heart Failure and Preserved Left Ventricular Systolic Function. New England Medical Center
- ▶ SPAN-CHF: A Lifespan Demonstration Project in Disease Management. AstraZeneca
- ▶ Multi-site Program to Access and Review Trending Information and Evaluate Correlation to Symptoms in Patients with Heart Failure PARTNERS HF. Medtronic Incorporated
- ▶ Randomized Evaluation of Intravenous Levosimendan Efficacy Versus Placebo in the Short Term Treatment of Decompensated Chronic Heart Failure (REVIVE). M.D.S Pharma Services Inc.

Lilian Joventino, M.D.

- ▶ Evaluation of Housecall Plus Remote Monitoring System Evaluation. St. Jude Medical
- ▶ Evaluation of Cardiac MRI in Patients with Advanced Sarcoidosis. RIMI Seed Grant.

Malcolm Kirk, M.D.

- ▶ Alternans Before Cardioverter Defibrillator Trial. Pacesetter, Inc. a St. Jude Company
- ▶ ABCD Genetic Study. CardioDx Inc
- ▶ Mechanisms of Atrial Flutter Initiation and Maintenance. Lifespan
- ▶ The Effect of Aging on the Conduction Properties of the Isthmus-Dependent Atrial Flutter Circuit. Lifespan
- ▶ Device Evaluation of CONTAK RENEWAL 2 and EASYTRAK 2: Assessment of Safety and Effectiveness in Heart Failure. Guidant Corporation

Kenneth Korr, M.D.

- ▶ Post-dilation Clinical Comparative Study (POSTTT). Boston Scientific
- ▶ Left Main Intravascular Ultrasound (IVUS) Registry. Scripps Research Institute

Daniel Levine, M.D.

- ▶ A Randomized, Double-blind, Placebo Controlled, Dose-ranging Study of the Effects of KW-3902, both as Monotherapy and in Combination with Furosemide, on Diuresis and Renal Function in patients with congestive Heart Failure (CHF) and Renal Impairment Treat. Cardiovascular Clinical Studies, L.L.C./Novocardia

- ▶ Randomized Evaluation of Intravenous Levosimendan Efficacy Versus Placebo in the Short Term Treatment of Decompensated Chronic Heart Failure (REVIVE). M.D.S Pharma Services Inc.
- ▶ A multicenter, Randomized, Double Blind, Double Dummy, Parallel Group Study to Compare effects of Coreg CR and Coreg IR on Ejection Fraction in Subjects with Stable Chronic Heart Failure. Principal Investigator
- ▶ Follow Up Serial Infusions of Natrecor (nesiritide) for the Management of Patients with Heart Failure FUSION II. Scios Nova, Inc.

George McKendall, M.D.

- ▶ Appraise-1 Apixaban for Prevention of Acute Ischemic Safety Events-1. Bristol-Myers Squibb, Incorporated
- ▶ A Multicenter, Double- Blind, Randomized Study to Establish the Clinical Benefit and Safety of Vytorin vs Simvastatin Monotherapy in High-Risk Subjects Presenting with Acute Coronary Syndrome. Schering-Plough Corporation
- ▶ Early Glycoprotein IIb/IIIa Inhibition in Non-ST-segment Elevation Acute Coronary Syndrome: A Randomized, Placebo-Controlled Trial Evaluating the Clinical Benefits of Early Front-loaded Eptifibatide in the Treatment of Patients with Non-ST-segment Elevation Acute Coronary Syndrome. (EARLY ACS). Schering-Plough Corporation
- ▶ A Multicenter, Randomized, Controlled, Double-Blind Trial to Investigate the Clinical Efficacy and Tolerability of Early Treatment with Simvastatin 40 mg. Daily for 30 Days, Followed by Simvastatin 80 mg. Daily Thereafter in Tirofiban-Treated Acute Coronary Syndrome Patients Who Have Been Randomized to Receive Enoxaparin or Unfractionated Heparin in Conjunction with Aspirin (A to Z). Merck & Co.

- ▶ A Prospective Randomized Trial of Primary Angioplasty Versus Thrombolytic Therapy for Acute Myocardial Infarction in the Elderly (SENIOR PAMI). William Beaumont Institution
- ▶ A Multicenter, Randomized, Double-Blind, Parallel-group, Placebo-controlled Study of Pexelizumab in patients with Acute Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention (APEX AMI). Procter & Gamble Pharmaceuticals, Inc.
- ▶ A Prospective, Randomized, Open-Label, Multicenter Study in Patients Presenting with Acute Syndromes (ACS) SYNERGY. Aventis Pharmaceuticals Products, Inc.
- ▶ ASSENT 4 PCI A Phase IIIb-IV, Randomized Open-label Trial Evaluating the Efficacy and Safety of Tenecteplase Together with Unfractionated Heparin Prior to Early PCI As Compared to Standard Primary PCI in Patients With Acute Myocardial Infarction. Boehringer Ingelheim
- ▶ Home Automatic External Defibrillator Trial (H. A. T. Study). Seattle Institute for Cardiac Research/NHLBI
- ▶ A Randomized, Multicenter Trial of Transcutaneous, Low Energy Ultrasound Therapy with Thrombolysis for Patients with Acute Myocardial Infarction. PLUS Perfusion by ThromboLytic and UltraSound. Henry Ford Coordinating Center/Timi3 Systems, Inc.

Athena Poppas, M.D.

- ▶ Heart Disease CNS Dysfunction & Outcome in the Elderly. Miriam Hospital/NIH
- ▶ Percutaneous Left Atrial Appendage Transcatheter Occlusion (PLAATO) Using the X-Caliber System-A Feasibility Study (Core). Appriva Medical, Inc.

Ara Sadaniantz, M.D.

- ▶ Multicenter, Randomized Double Blind Placebo Controlled Efficacy Study on the Effects of Oral Tolvaptan on Left Ventricular Dilatation and Function in Patients With Heart Failure and Left Ventricular Systolic Dysfunction. Cardiovascular Clinical Studies/Otsuka

Immad Sadiq, M.D.

- ▶ Stenting and Angioplasty With Protection In Patients at High-Risk for Endarterectomy. Cordis Corporation
- ▶ Assessment of Coronary Arteries by Intravascular Ultrasound in Patients with Takotsubo Cardiomyopathy. Lifespan
- ▶ A Post-Approval Study of the Guidant Acculink Stent Systems and AccUNET Embolic Protection Systems. Guidant Corporation

Barry Sharaf, M.D.

- ▶ A Double-Blind, Multicenter, Placebo Controlled Study of Quinapril in Women with Chest Pain, Coronary Flow Reserve Limitations and Evidence of Myocardial Ischemia in the Absence of Significant Epicardial Coronary. University of Florida-Gainesville
- ▶ Women's Ischemia Syndrome Evaluation Extension AT-1 Receptor Blocker Ancillary Trial Angiographic Core Laboratory. Cedars-Sinai Medical Inc
- ▶ A Double - Blind, Multicenter, Placebo Controlled Study of Quinapril in Women with Chest Pain, Coronary flow Reserve Limitations and Evidence of Myocardial Ischemia in the Absence of Significant Epicardial Coronary. University of Florida-Gainesville
- ▶ A Double-Blind, Multicenter, Placebo Controlled Study of Aldosterone Blockade (Eplerenone) in Women with Chest Pain, Coronary Vascular Dysfunction and Evidence of Myocardial Ischemia in the absence of Significant Epicardial Coronary Artery Disease. University of Florida-Gainesville
- ▶ A Double-Blind, Multicenter, Placebo Controlled Study of Quinapril in Women with Chest Pain, Coronary Flow Reserve Limitations, and Evidence of Myocardial Ischemia in the Absence of Significant Epicardial Coronary Artery Disease. University of Florida-Gainesville
- ▶ Future Revascularization Evaluation in Patients with Diabetes Mellitus: Optimal management of Multivessel Disease. Mount Sinai School of Medicine of the City of New York
- ▶ Double-Blind, Randomized, Comparator - Controlled Study in Subjects with Type 2 Diabetes Mellitus Comparing the Effects of Pioglitazone HCl Versus Glimepiride on the Rate of Progression of Coronary Atherosclerotic Disease as Measured by Intravascular Ultrasound(PERISCOPE). Omnicare Clinical Research
- ▶ Vasodilator Induced Stress in Concordance with Adenosine (Core Lab). King/Parekel
- ▶ A Multicenter, Randomized, Double-Blind, Placebo Controlled Study to Evaluate the Efficacy and Safety of Ad5FGF-4 in Patients with Stable Angina. Berlex Lab

Satish Sharma, M.D.

- ▶ Double-Blinded, Randomized Active-Controlled Trial Comparing Valsartan to Amlodipine With or Without HCTZ on CV. Novartis
- ▶ The Home INR Study (THINRS). VA

- ▶ The Effect of Antiarrhythmic Therapy in Maintaining Stability of Sinus Rhythm in Atrial Fibrillation. Department of Veterans Affairs-Cooperative Study

Philip Stockwell, M.D.

- ▶ Multicenter, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Long Term Efficacy and Safety of Oral Tolvaptan Tablets in Subjects Hospitalized with Worsening Congestive Heart Failure. Cardiovascular Clinical Studies, L.L.C./Otsuka

Peter Tilkemeier, M.D.

- ▶ A Multicenter, Randomized, Double-blind, Placebo Controlled, Efficacy Study on the Effects of Tolvaptan on Left Ventricular dilatation and Function in Patients with Heart Failure and Left Ventricular systolic Dysfunction. Cardiovascular Clinical Studies, L.L.C./Otsuka
- ▶ A Randomized, Two-arm Crossover Study of Safety, Tolerability, and Myocardial Perfusion Imaging of MRE0470 vs. Adenosine. Parexel/King

David Williams, M.D.

- ▶ Bypass Angioplasty Revascularization Investigation II. University of Pittsburgh/NHLBI
- ▶ BAR II: A Trial of Revasc. & Glycemic Control in NIDDM. University of Pittsburgh
- ▶ A Multicenter, Non-Randomized Study of the 4.0mm Sirolimus - Eluting Bx Velocity Balloon-Expandable Stent in the Treatment of Patients with DeNovo Native Coronary Artery Lesions. Cordis Corporation
- ▶ A Prospective, Randomized Trial Evaluating the TAXUS Paclitaxel - Eluting Coronary Stent in De Novo Coronary Lesions and In-Stent Restenosis. Boston Scientific
- ▶ A Multi-Center, Non-Randomized Study of the Sirolimus-Eluting Bx Velocity Balloon-Expandable Stent with Direct Stenting in the Treatment of Patients with DeNovo Native Coronary Artery Lesions. Cordis Corporation
- ▶ A Multicenter, Randomized, Double Blind Study of the Sirolimus-Coated Bx Velocity Balloon-Expandable Stent in the Treatment of Patients with DeNova Coronary Artery Lesions. Cordis Corporation
- ▶ Percutaneous Left Atrial Appendage Transcatheter Occlusion (PLAATO) Using the X-Caliber System Feasibility Study (Clinical). ev3, Incor
- ▶ A Clinical Evaluation of the XIENCEtm V Everolimus Eluting Coronary Stent System in the Treatment of Subjects with De Novo Native Coronary Artery Lesions Cordis Corporation

- ▶ The FilterWire EZ System Used in the Treatment of an Acute Myocardial Infarction for Embolic Protection Protocol. ev3, Incor

Wen-Chih (Hank) Wu, M.D.

- ▶ Effectiveness of Different Strategies in Maintaining Target of Cardio Risk Factors in Patients Discharged from Cardio Risk Reduction Clinic. Scios, Inc.
- ▶ Combined Behavioral & Pharmacological Intervention for Cardiovascular Risk Reduction in Diabetic Patients. Merck & Co.
- ▶ Variability in Blood Transfusion Practices for Elder Veterans Undergoing Non-cardiac Surgery and its Relationship with Cardiovascular Outcome. RI Foundation
- ▶ Variability in Surgical Blood Transfusion Practices and Cardiovascular Outcome. VA
- ▶ Medications in Chronic Heart Failure and Relationship to Quality of Life. VA
- ▶ Assessment of Cholesterol Guideline Adherence and Cardiovascular Outcomes. VA
- ▶ Comparison of Cardiac Computed Tomography for the Detection of Coronary Artery Disease with Nuclear Stress Test. VA
- ▶ Patient Outcomes After Discharge from Cardiovascular Risk Reduction Clinic. VA
- ▶ Correlation in the Measurements of Cardiac Structures Between Computed Tomography and Conventional Echocardiogram. Merck & Co.
- ▶ Effects of Testosterone on Flow-Mediated Vasodilation, Peripheral Arterial Tone, and Erectile Dysfunction in Men with Hypogonadism . VA
- ▶ Multi-Targeted Cardiac Risk Intervention in Type 2 Diabetes. Auxillum
- ▶ Prevalence of Metabolic Syndrome in Veterans with Schizophrenia, Schizo-Affective Disorder or Bipolar Disorder. Sandra A. Daugherty Foundation

ENDOCRINOLOGY

OVERVIEW

The Division of Endocrinology at the Warren Alpert Medical School of Brown University includes the Hallett Center for Diabetes and Endocrinology, a Bone Density Unit with state-of-the-art diagnostic and osteoporosis management capabilities, an outpatient Clinical Research Unit, and the Diabetes and Endocrinology Research Laboratories. The Division coordinates academic and clinical programs at Rhode Island Hospital, The Miriam Hospital, the Providence Veterans Administration Medical Center and the Roger Williams Medical Center. The Division provides consult services at Women and Infants Hospital, includes affiliated faculty at Memorial Hospital of Rhode Island, and integrates educational activities with the Division of Pediatric Endocrinology.

The Hallett Center was created in 2001 as the first comprehensive, academic diabetes and endocrinology program in the state of Rhode Island. Patient care at the Hallett Center is provided by six board-certified endocrinologists, all of whom have Brown University faculty appointments. The Center currently accommodates more than 10,000 patient visits per year and is continuing to rapidly expand its services. To assure readily accessible, comprehensive care for patients with diabetes, specialty services are offered within the Center not only in diabetes and endocrinology, but also in nephrology, podiatry, and nutrition/weight management. In addition, outpatient programs of the Hasbro Children's Hospital in pediatric diabetes and endocrinology are conducted in the Hallett Center facility. The Hallett Center markedly exceeds national performance levels and standards for quality of care indicators. The Hallett patient education program has been awarded multi-site center certification status by the American Diabetes Association. Through a program developed cooperatively with the Rhode Island Department of Health, the Hallett Center certification status extends to multiple satellite patient education units throughout the site.

Laboratory research programs in the Division of Endocrinology are conducted by four groups. Dr. Robert Smith, the division director is investigating insulin and insulin-like growth factor signaling mechanisms and their roles in the molecular causes of diabetes, growth disorders, and neurodegenerative disease. The laboratory of Eduardo Nillni, PhD is studying the prohormone



Robert J. Smith, Professor of Medicine; Director, Division of Endocrinology and the Hallett Center for Diabetes and Endocrinology.

processing and molecular physiology of hypothalamic neuropeptides related to energy balance. Haiyan Xu, M.D., PhD, is investigating the role of adipose tissue in mediating inflammatory responses that contribute to the complications of obesity and diabetes. Leslie J. DeGroot, M.D., who was formerly chief of endocrinology at the University of Chicago and is a world-renowned researcher on autoimmune causes of thyroid disease, is working on novel strategies for blocking thyroid autoimmunity. Geetha Gopalakrishnan, M.D., coordinates research activities in the Clinical Research Unit, which involve multiple division faculty members.

The Division of Endocrinology provides extensive teaching in diabetes and endocrinology at Brown University, The Warren Alpert Medical School, and the affiliated academic hospitals. The Division faculty members have been honored by many teaching awards from Brown University. In addition to a broad range of classroom and bedside teaching activities, the faculty members serve as research mentors and thesis advisors to multiple graduate and postgraduate level trainees, plus undergraduate independent study students. The educational program includes a nationally known, highly selective ACGME-certified clinical fellowship in Endocrinology, Diabetes, and Metabolism.

FACULTY MEMBERS

FULL-TIME FACULTY (Hospital and Foundation Based)

Robert J. Smith, M.D., Director of Endocrinology and the Hallett Center for Diabetes and Endocrinology, Professor, Rhode Island Hospital, University Medicine Foundation

Dominic Corrigan, M.D., Clinical Assistant Professor, Rhode Island Hospital, University Medicine Foundation

Leslie J. DeGroot, M.D., Professor of Medicine, Brown University

Geetha Gopalakrishnan, M.D., Assistant Professor, Director of Clinical Education, Rhode Island Hospital, University Medicine Foundation

James V. Hennessey, M.D., Associate Professor, Associate Director for Clinical Education, Rhode Island Hospital, University Medicine Foundation (recently relocated to Harvard Medical School)

Marc J. Laufgraben, M.D., Clinical Associate Professor, Director of Clinical Care in Endocrinology, Clinical Director of the Hallett Center for Diabetes and Endocrinology, Rhode Island Hospital, University Medicine Foundation

Paul Levinson, M.D., Associate Professor, Memorial Hospital of Rhode Island

David B. MacLean, M.D., Adjunct Associate Professor, Rhode Island Hospital, University Medicine Foundation

Eduardo A. Nillni, Ph.D., Professor, Rhode Island Hospital

Haiyan Xu, M.D., Ph.D., Assistant Professor, Rhode Island Hospital

VOLUNTEER FACULTY

Lucinda Barnard, M.D., Clinical Assistant Professor, Memorial Hospital of Rhode Island

Robert Dobrzynski, M.D., Clinical Instructor, The Miriam Hospital

Charles Eil, M.D., Ph.D., Clinical Associate Professor, Roger Williams Medical Center

Charles B. Kahn, M.D., Clinical Professor, The Miriam Hospital

Dennis Krauss, M.D., Clinical Assistant Professor, The Miriam Hospital

Roberto Ortiz, M.D., Clinical Instructor, The Miriam Hospital

Valerie Thomas, M.D., Clinical Assistant Professor, The Miriam Hospital

ADJUNCT FACULTY

Joseph Tucci, M.D., Adjunct Professor, Roger Williams Medical Center

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION OF FACULTY

Leslie J. DeGroot, M.D.

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION

- ▶ Honorary Fellow, Royal Society of Medicine, Endocrine Section
- ▶ Honorary Member, Japanese Endocrine Society
- ▶ Directed the development of guidelines for the management of thyroid disease in pregnancy for the Endocrine Society

INVITED PRESENTATIONS

- ▶ “Nonthyroidal Illness Syndrome,” University of Connecticut Medical School, Farmington, CT
- ▶ “Genes Promoting Development of Graves’ Disease,” University of Connecticut Medical School, Farmington, CT
- ▶ “Management of Thyroid Cancer,” South County Hospital, RI
- ▶ “Genetic Influences in Graves’ Disease,” International Thyroid Association, Buenos Aires, Argentina
- ▶ “Non-Graves’ Causes of Hyperthyroidism,” University of Wisconsin, Madison, WI
- ▶ “Non-Thyroidal Illness Syndrome and What To Do About It,” University of Wisconsin, Madison, WI
- ▶ “Viral-mediated Gene Therapy of Differentiated Thyroid Cancer,” University of Sienna, Italy
- ▶ “Management of Thyroid Disease in Pregnancy,” Boston University School of Medicine, Boston, MA
- ▶ “Central Hypothyroidism in the Non-thyroidal Illness Syndrome,” Tufts University Medical School, Boston, MA
- ▶ “Thyroid Disease in Pregnancy Symposium,” Endocrine Society Annual Meeting, Toronto, Canada
- ▶ “Guidelines for Management of Thyroid Disease in Pregnancy,” Endocrine Society Annual Meeting, Toronto, Canada

Geetha Gopalakrishnan, M.D.

INVITED PRESENTATIONS

- ▶ “Bone Health in HIV Infected Men and Women,” AIDS Community Health Network, Rochester, NY

James V. Hennessey, M.D.

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION

- ▶ Governor, Rhode Island Chapter, American College of Physicians
- ▶ Executive Board Member, Thyroid Foundation of America
- ▶ Member, Public Health Committee, American Thyroid Association

INVITED PRESENTATIONS

- ▶ “Thyroid Disease Update 2005: Subclinical Hypo and Hyperthyroidism,” Ft. Lauderdale, FL
- ▶ “Thyroid Hormone Therapy 2005, Update in Current Bioequivalence Issues,” Charlotte, NC
- ▶ “Limitations of Current Bioequivalence Standards,” Joint Public Meeting on equivalence of Levothyroxine Sodium Products, co-sponsored with the FDA by the American Thyroid Association, the Endocrine Society and the American Association of Clinical Endocrinologists, Washington, DC
- ▶ “Pharmacokinetic versus Pharmacodynamic Determination of L-Thyroxine Bioequivalence: History and Current Reality,” Endocrine Nurses Society 15th Annual Symposium, San Diego, CA
- ▶ Session Chair: “Clinical Thyroid Disorders,” 87th Annual Meeting of the Endocrine Society, San Diego, CA
- ▶ “Different Levothyroxine Preparations: Implications for Practice,” 87th Annual Meeting of the Endocrine Society, San Diego, CA
- ▶ “Thyroid Dysfunction and Glucose Metabolism: Impact on Diabetic Patient Outcomes,” Nevada Diabetes Association for Children and Adults, Annual Diabetes Mellitus Update, Reno, NV
- ▶ “Thyroid and Depression,” The Endocrine Society’s Clinical Endocrinology Update 2005, Ontario, Canada
- ▶ Program Chair and Moderator, Thyroid Section, The Endocrine Society’s Clinical Endocrinology Update 2005, Toronto, Canada
- ▶ “Different Levothyroxine Preparations: Implications for Practice,” Endocrine Grand Rounds, University of Connecticut Health Center, Farmington, CT
- ▶ “Thyroid Disease Update 2005,” Medical Grand Rounds, Providence Hospital, Southfield, MI
- ▶ “Bioequivalence of Thyroxine Preparations. Update in Thyroidology,” Jersey Shore University Medical Center, Neptune, NJ

- ▶ “Thyroid Disease Consensus Guidelines Conference,” Texas Academy of Family Practice Primary Care Education Group, Amelia Island, Georgia
- ▶ “Intervention in Subclinical Hypothyroidism: When and Why,” The Endocrine Society’s Clinical Endocrinology Update 2006, San Francisco, CA
- ▶ Program Chair and Moderator, Thyroid Section, The Endocrine Society’s Clinical Endocrinology Update 2006, San Francisco, CA
- ▶ “Assessing Thyroxine Bioequivalence: Clinical Implications and FDA Policy,” The American Thyroid Association Annual Meeting 2006, Phoenix, AZ
- ▶ “The Clinician’s View of Thyroid Nodules: Introductory Lecture for Workshop on Thyroid Cytopathology,” Annual Meeting of the American Society of Clinical Pathology, Las Vegas, NV

Marc J. Laufgraben, M.D.

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION

- ▶ Member, Publications Committee, American Association of Clinical Endocrinologists
- ▶ Socioeconomic and Member Advocacy Committee, American Association of Clinical Endocrinologists

INVITED PRESENTATIONS

- ▶ “Combination Therapy for Stubborn Dyslipidemias,” Meet the Professor Sessions, Clinical Endocrinology Update 2005, Toronto, Canada
- ▶ “The ABC’s of Diabetes: Reaching the Goal,” PharmEd Continuing Education Programs for Pharmacists, Danbury, CT
- ▶ “The ABC’s of Diabetes: Reaching the Goal,” PharmEd Continuing Education Programs for Pharmacists, Randolph, MA
- ▶ “Dyslipidemia; Guidelines, Goals and Effective Therapies,” PharmEd Continuing Education Programs for Pharmacists, Hyannis, MA
- ▶ “Dyslipidemia: Guidelines, Goals and Effective Therapies,” PharmEd Continuing Education Programs for Pharmacists, Woburn, MA
- ▶ “New Approaches in Treating Diabetes,” PharmEd Continuing Education Programs for Pharmacists, Flushing, NY
- ▶ “Lizard Spit and Other Cool New Stuff for Diabetes,” PharmEd Continuing Education Programs for Pharmacists, Worcester, MA

- ▶ “Diabetes and Pregnancy: Improving Maternal and Fetal Outcomes,” 32nd Annual Endocrinology and Metabolism Update, Ingham Regional Medical Center & Michigan State University School of Medicine, East Lansing, MI
- ▶ “Lizard Spit and Other Cool New Stuff for Diabetes,” PharmEd Continuing Education Programs for Pharmacists, Randolph, MA

Eduardo A. Nillni, Ph.D.

National and International Honors and Recognition

- ▶ Member, Integrative Physiology of Obesity and Diabetes Study Section, Center for Scientific Review, NIH
- ▶ Executive Member, Graduate Programs Admissions Committee, Molecular Biology, Cell Biology and Biochemistry (MCB) and the M.D.-PhD program, Brown University

INVITED PRESENTATIONS

- ▶ “The Role of proTRH in Energy Balance,” University of Washington, Seattle, WA
- ▶ “Hypothalamus and Energy Balance,” Harvard Medical School, Boston, MA
- ▶ Monitor, Hormone Action in Development and Cancer Conference, Mount Holyoke College, MA

Robert J. Smith, M.D.

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION

- ▶ Chair, Clinical Endocrinology Update Committee, The Endocrine Society
- ▶ Chair, Diabetes Professional Advisory Council, Rhode Island Department of Health
- ▶ Editorial Boards of the Journal of Biological Chemistry, Endocrinology, Acta Diabetologia, the Journal of Growth Hormone and IGF Research, the Journal of Parenteral and Enteral Nutrition, Joslin’s Diabetes Mellitus, and UpToDate

INVITED PRESENTATIONS

- ▶ “Heterozygous IGF-I Receptor Mutations in Humans,” Gordon Research Conference on Insulin-Like Growth Factors in Physiology and Disease Conference, Ventura, CA
- ▶ “Role of Receptor-Interactive Proteins that are Not Tyrosine Kinase Substates,” 2nd International Conference on the Molecular Basis of Metabolic Regulation, Bari, Italy
- ▶ “Current Knowledge and Treatment of Diabetes,” Governors Grand Rounds, Newport Hospital, Newport, RI

- ▶ “Human IGF-I Receptor Mutations,” Hypopituitary Control and Complications Study Investigators Meeting, Paris, France
- ▶ “Genetics of MODY and Type 2 Diabetes: Where are We and What is to Come?” Clinical Endocrinology Update, The Endocrine Society, San Francisco, CA
- ▶ “Insulin/IGF Signaling and Neurodegenerative Disease,” Dr. George F. Cahill Symposium, Joslin Diabetes Center, Boston, MA
- ▶ Discussion Leader, Gordon Conference on Insulin-Like Growth Factors in Physiology and Disease, Ventura, CA
- ▶ “Insulin/IGF Signaling and Neurodegenerative Disease,” Endocrine Scholar Lecture Series, University of Connecticut Health Center, Farmington, CT
- ▶ “Lessons from Mutations: IGF-I Receptor Quality, Quantity, and Human Growth,” 2007 GeNeSIS Investigators Meeting, Paris, France

Haiyan Xu, M.D., Ph.D.

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION

- ▶ Reviewer, Endocrinology
- ▶ Reviewer, Journal of Biological Chemistry
- ▶ Reviewer, Regulatory Peptides

INVITED PRESENTATIONS

- ▶ “Infiltration of Adipose Tissue by Immune Cells in Obesity: Chicken or Egg?,” 9th Postgraduate Nutrition Symposium: “Obesity & Inflammation”, Harvard Medical School, Boston, MA

RESEARCH AND OTHER SCHOLARLY ACTIVITIES

TEACHING ACTIVITIES

Education Honors and Awards

Dominic Corrigan, M.D.

- ▶ Teaching Recognition Award, The Warren Alpert Medical School of Brown University, 2007
- ▶ The Dean’s Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2007

Geetha Gopalakrishnan, M.D.

- ▶ The Dean’s Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2006, 2007

James V. Hennessey, M.D.

- ▶ The Dean’s Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2005, 2006

Charles B. Kahn, M.D.

- Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2007

Marc J. Laufgraben, M.D.

- Teaching Recognition Award, Brown Medical School, 2005
- The Dean's Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2005, 2006, 2007
- Award of Academic Achievement in Medical Management, American College of Physician Executives, 2006

Paul Levinson, M.D.

- Best Doctors in America 2005–06

Robert J. Smith, M.D.

- The Dean's Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2007

Valerie Thomas, M.D.

- Teaching Recognition Award, The Warren Alpert Medical School of Brown University, 2007

TEACHING RESPONSIBILITIES

Robert J. Smith, M.D., Director

Endocrinology Fellowship Program

James V. Hennessey, M.D., Director

Brown Medical School Pathophysiology Course

ENDOCRINOLOGY FELLOWSHIP PROGRAM

Graduates 2005

Fellow	Medical School/Residency Program	Post-Fellowship Position
Maeve Durkan	The Royal College of Surgeons, Ireland/ The Hospital of St. Raphael, CT	Clinical Faculty University College, Galway, Ireland
Aldona Finkle	Medical University, Poland/ U Mass Memorial Health Care, MA	Private Practice Massachusetts

Graduates 2006

Fellow	Medical School/Residency Program	Post-Fellowship Position
Rebecca Lifchus-Ascher	UM.D.NJ/Robert Wood Johnson Medical School UM.D.NJ/Robert Wood Johnson Medical School,	Private Practice New Jersey
Elaine Pelley	Loma Linda University School of Medicine/ BI Deaconess, Harvard Medical School	Academic Faculty Wisconsin
Suketu Shah	UM.D.NJ/Robert Wood Johnson Medical School/ BI-Deaconess, Harvard Medical School, MA	Private Practice New Jersey

Graduates 2007

Fellow	Medical School/Residency Program	Post-Fellowship Position
Alexandra Greene	SUNY Upstate Medical University, NY/ Yale New Haven Medical Center, CT	Private Practice New York
Traci Tupper	Temple University School of Medicine/ Brown Medical School, RI	Private Practice Pennsylvania

Post-Doctoral Research Fellows

Yun Jae Chung, M.D., Barbara Giovannone, PhD, Jorge Goldstein, PhD, Hidefume Inaba, M.D., Mario Perello, PhD, Amparo Romero Pico, PhD, Caroline Savery, PhD

PhD Thesis Graduate Students

Angel Byrd, M.D., PhD, Isin Cakir, PhD, Paul Hanes, PhD, Aimee Hebert, PhD, Lawrence Mulcahy, PhD, William Tsiaras, M.D., PhD.

PUBLICATIONS

Leslie J. DeGroot, M.D.

- ▶ Inaba H, Martin W, De Groot AS, Qin S, De Groot LJ. Thyrotropin receptor epitopes and their relation to histocompatibility leukocyte antigen-DR molecules in Graves' disease. *J Clin Endocrinol Metab.* 2006; 91:2286–94.
- ▶ DeGroot LJ. Non-thyroidal illness syndrome is a manifestation of hypothalamic-pituitary dysfunction, and in view of current evidence, should be treated with appropriate replacement therapies. *Crit Care Clin.* 2006; 22:57–86.
- ▶ Abalovich M, Amino N, Barbour LA, Cobin RH, De Groot LJ (Chairman), Glinoeer D, Mandel SJ, Stagnaro-Green A. Management of thyroid dysfunction during pregnancy and postpartum: An Endocrine Society Clinical Practice Guideline. *J Clin Endocrinol Metab* 2007.

Geetha Gopalakrishnan, M.D.

- ▶ Fagan M and Gopalakrishnan G. Metabolic syndrome, *Ferri's Clinical Advisor* 2005.
- ▶ Sutton N, Pearlman D, Gopalakrishnan G, and Callahan, D. Osteoporosis: missed Opportunities for diagnosis and treatment in Rhode Island. *Med Health Rhode Island* April 2005.
- ▶ Tupper T and Gopalakrishnan G. Prevention of diabetes development in those with the metabolic syndrome. *Medical Clinics of North America, LeRoith, D and Yanagisawa R* (eds), Volume 91, Issue 6, November 2007.

James V. Hennessey, M.D.

- ▶ Garber JA, Hennessey JV. Generic levothyroxine: What is all the fuss about? *Endocrine Practice* 2005; 11:205–7.
- ▶ Hennessey JV. Psychiatric disorders and thyroid disease. *Endocrine Secrets*, Fourth Edition. MT McDermott ed. Hanley & Belfus, Inc. Philadelphia 2005
- ▶ Sinclair C, Gilchrist JM, Hennessey JV, Kandula. Muscle Carnitine In Hypo- and Hyperthyroidism. *Muscle Nerve* 2005; 32:357–59.
- ▶ Garber JR, Hennessey JV, Lieberman JA III, Morris CM, Talbert RL. Managing the Challenges of Hypothyroidism. *The Journal of Family Practice* 2006; 55:S1–S8.
- ▶ Hennessey JV. Levothyroxine bioequivalence: Are the guidelines flawed? *Nature Clinical Practice Endocrinology and Metabolism* 2006; 2:474–475.

Marc J. Laufgraben, M.D.

- ▶ Lifchus-Ascher RJ, Kwong BM, Laufgraben MJ. A novel solution to a case of occult drug-induced hypoglycemia. *The Endocrinologist* 2006;16:262–264.

Eduardo A. Nillni, Ph.D.

- ▶ Mulcahy LR, Vaslet CA, Nillni EA. Prohormone-convertase 1 processing enhances post-Golgi sorting of prothyrotropin-releasing hormone-derived peptides. *J Biol Chem.* 2005; 280:39818–26.
- ▶ Perello M, Stuart RC, Nillni EA. The role of intracerebroventricular administration of leptin in the stimulation of prothyrotropin releasing hormone neurons in the hypothalamic paraventricular nucleus. *Endocrinology.* 2006; 147:3296–306.
- ▶ Perello M, Friedman T, Paez-Espinosa V, Shen X, Stuart RC, Nillni EA. Thyroid hormones selectively regulate the posttranslational processing of prothyrotropin-releasing hormone in the paraventricular nucleus of the hypothalamus. *Endocrinology.* 2006; 147:2705–16.
- ▶ Enriori PJ, Evans AE, Sinnayah P, Jobst EE, Tonelli-Lemos L, Billes SK, Glavas MM, Grayson BE, Perello M, Nillni EA, Grove KL, Cowley MA. Diet-induced obesity causes severe but reversible leptin resistance in arcuate melanocortin neurons. *Cell Metabolism.* 2007; 5:181–94.
- ▶ Mulcahy LR, Nillni EA. Discovery of new peptides from old prohormones: insights for energy balance and beyond. *Front Biosci.* 2007; 12:3545–53.

Robert J. Smith, M.D.

- ▶ Mori K, Giovannone B, Smith RJ. Distinct Grb10 domain requirements for effects on glucose uptake and insulin signaling. *Mol Cell Endocrinol* 2005; 230: 39–50.
- ▶ Ling PR, Smith RJ, Bistrrian BR. Hyperglycemia enhances the cytokine production and oxidative responses to a low but not high dose of endotoxin in rats. *Crit Care Med.* 2005; 33:1084–1089.
- ▶ Dufresne AM, Smith RJ. The adapter protein GRB10 is an endogenous negative regulator of insulin-like growth factor signaling. *Endocrinology* 2005; 146: 4399–4409.
- ▶ Raile K, Klammt J, Schneider A, Keller A, Laue S, Smith R, Pfaffle R, Kratzsch J, Keller E, Kiess W. Clinical and functional characteristics of the human Arg59Ter insulin-like growth factor 1 receptor (IGF1R) mutation: implications for a gene dosage effect of the human IGF1R. *J Clin Endocrinol Metab* 2006; 91: 2264–2271.
- ▶ Ling PR, Smith RJ, Bistrrian BR. Acute effects of hyperglycemia and hyperinsulinemia on hepatic oxidative stress and the systemic inflammatory response in rats. *Crit Care Med.* 2007; 555–600.

Haiyan Xu, M.D., Ph.D.

- ▶ Hong, S, Lubben, T, Dolliver, C, Petrolonis A, Roy R, Li Z, Parsons T, Li P, Xu H,

- ▶ Reilly R, Trevillyan J, Nichols A, Tummino P, Gant T. Expression, purification, and enzymatic characterization of the dual specificity mitogen-activated protein kinase phosphatase, MKP-4. *Bioorganic Chemistry* 2005; 33:34–44.
- ▶ Xu H, Yang Q, Shen M, Huang X, Dembski M, Gimeno R, Tartaglia L, Kapeller R and Wu Z. Dual specificity MAP kinase phosphatase-3 activates PEP-CK transcription and increases gluconeogenesis in rat hepatoma cells. *J Biol Chem* 2005; 280: 36013–8.
- ▶ Xu, H (corresponding author), Wilcox D, Phong N, Voorbach M, Suhar T, Morgan S, An W, Ge L, Green J, Wu Z, Gimeno R, Reilly R, Jacobson P, Collins C, Landschulz K, Surowy T. Hepatic knock down of mitochondrial glycerol-3-phosphate acyltransferase 1 via RNA interference improves the metabolic profile of ob/ob mice. *Biochem Biophys Res Comm* 2006; 349:439–448.
- ▶ Xu H (corresponding author), Wilcox D, Phong N, Voorbach M, Smith H, Suhar T, Reilly R, Jacobson P, Collins C, Landschulz K, Surowy T. Hepatic knockdown of stearoyl-CoA desaturase 1 via RNA interference in obese mice decreases lipid content and changes fatty acid composition. *Front Biosci* 2007; 12:3781–3794.



RESEARCH

		Direct	Indirect	Total
TOTAL BASIC RESEARCH EXPENSES FOR ENDOCRINOLOGY	Academic Year 2005	\$410,572	\$128,545	\$539,117
	Academic Year 2006	\$522,314	\$206,519	\$728,833
TOTAL CLINICAL RESEARCH EXPENSES FOR ENDOCRINOLOGY	Academic Year 2005	\$34,486	\$6,742	\$41,228
	Academic Year 2006	\$19,640	\$4,428	\$24,068

BASIC RESEARCH

Eduardo Nillni, Ph.D

- ▶ ProTRH Gene Transcription and Biosynthesis by Leptin. National Institutes of Health
- ▶ ProTRH Sorting to the Regulated Secretory Pathway. National Institutes of Health
- ▶ Role of Prolylcarboxypeptidase in Metabolic Dysfunction. National Institutes of Health/ Yale University
- ▶ Transcriptional Regulation of Body Weight through Energy Expenditure. National Institutes of Health/ Virginia Tech University

Robert Smith, M.D.

- ▶ Mentor-Based Postdoctoral Fellowship Program American Diabetes Association
- ▶ Nitin Trivedi Lilly Fellowship. Eli Lilly and Company
- ▶ Nutrition, Cytokines and Anabolic Signaling Mechanisms. National Institute of Diabetes and Digestive and Kidney Diseases
- ▶ Role of GRB10 As An Insulin Receptor Adapter Protein. National Institute of Diabetes and Digestive and Kidney Diseases

Haiyan Xu, Ph.D

- ▶ Role of Mitogen Activated Dual Specificity Kinase Phosphate 3 (MKP3) in Obesity and Diabetes Related Gluconeogenesis. Lifespan
- ▶ The Function of Salt Inducible Kinase 2 (SIK2) in Adipocyte Energy Metabolism. Rhode Island Medical Foundation
- ▶ The Mechanism of MAP Kinase Phosphatase 3 (MKP-3) Induced Gluconeogenesis in Obesity and Diabetes. Charles H. Hood Foundation

CLINICAL RESEARCH

Geetha Gopalakrishnan, M.D.

- ▶ A Randomized, Double-Blind, Placebo-controlled Study to Evaluate AMG 162 Bone Loss in Subjects Undergoing Androgen-Deprivation Therapy for Non-metastatic Prostate Cancer. Amgen
- ▶ A Randomized, Double-Blind, Placebo-controlled Study, Multicenter Efficacy and Safety Study of Toremfene Citrate for the Prevention of Bone Fractures in Men with Prostate Cancer on Androgen Deprivation Therapy. GTx



- ▶ A Randomized, Double-blind, Placebo-Controlled, Multicenter Efficacy and Safety Extension Study of Toremifene Citrate for the Prevention of Bone Fractures in Men with Prostate Cancer on Androgen Deprivation Therapy. GTx
- ▶ A Phase 3, Open-Label, Parallel-Group Study to Compare Two Dosing Algorithms for Preprandial Human Insulin Inhalation Powder (HIIP) in Insulin-naïve Patients with Type 2 Diabetes Mellitus. Eli Lilly and Company
- ▶ A Multicenter, Double-Blind, Randomized, Placebo- and Active-Controlled Dose-Range Finding Study of L-000224715 in Patients with Type 2 Diabetes Mellitus Who have Inadequate Glycemic Control. Lilly Research Lab
- ▶ Teriparatide Compared with Alendronate on Spine Bone Mineral Density in Postmenopausal Women with Osteoporosis. Merck & Company

James Hennessey, M.D.

- ▶ A Randomized Multicenter Parallel Group Study to Determine if Knowledge of Baseline Vertebral Fracture Prevalence (As Determined by Hologic IVA) and Bone Turnover Marker Levels Improves Persistence with Actonel 5 mg daily Therapy in Subjects Receiving Glucocorticoids. Aventis Pharmaceuticals Products, Inc.
- ▶ A Multicenter, Double-Blind, Randomized, Placebo-Controlled Study to Evaluate the Safety and Efficacy of Zoledronic Acid in the Treatment of Osteoporosis in Postmenopausal Women Taking Calcium and Vitamin D. Novartis Pharmaceuticals Corporation

- ▶ A 2-Year Randomized, Multicenter, Double-Blind, Placebo-Controlled Study to Determine the Efficacy and Safety of Intravenous Zoledronic Acid 5 mg Administered either annually at Randomization and 12 months or Administered at Randomization only in the Prevention of Bone Loss in Postmenopausal Women with Osteopenia. Cell Based Delivery
- ▶ Attenuation of Muscle Wasting with Growth Hormone. Novartis Pharmaceuticals Corporation

Marc Laufgraben, M.D.

- ▶ A One-Year, Open, Randomized, Parallel, Three-Arm Study, Comparing Exubera (Insulin Dry Powder Pulmonary Inhaler) vs. Avandia (Rosiglitazone Maleate) as Add-on Therapy vs. Exubera Substitution of Sulfonylurea in Patients with Type 2 Diabetes, Poorly Controlled on Combination Sulfonylurea and Metformin Treatment. Pfizer
- ▶ An Assessment of the Calcimimetic Agent AMG 073 for the Treatment of Subjects with Parathyroid Carcinoma or Intractable Primary Hyperparathyroidism. Amgen

GASTROENTEROLOGY

OVERVIEW

The Division of Gastroenterology at Brown University extends to Rhode Island, Miriam, Women and Infants, and Veteran's Administration Hospital(s). The major missions of the Division are to provide state-of-the-art treatment to those with gastrointestinal and liver diseases; to educate undergraduates, medical students/residents, postdoctoral fellows in the pathophysiology of digestive diseases, and to engage in "cutting-edge" basic and applied research. The Rhode Island Hospital Endoscopy Suite is equipped with the latest technological advances, and accommodates consultations from Southeastern Massachusetts, Cape Cod, Connecticut, and Rhode Island. The Liver Research Center, and Swallowing/Motility Research Center are located on the Rhode Island Hospital campus, and are staffed with twelve principal investigators, twenty-five postgraduate physician/scientists, and twenty undergraduate/graduate students providing a strong basic science program to advance the understanding of disease processes at the cellular and molecular level. N.I.H. sponsored projects include: motility and signal transduction of the G.I. tract, *H. pylori* in gastric cancer, pathogenesis of NASH, molecular mechanisms of hepatic fibrosis, antiviral approaches to hepatitis B and C infection, molecular pathogenesis of human hepatocellular carcinoma, and monoclonal antibodies in the treatment of G.I. malignancy.

RESEARCH

Faculty in the Division of Gastroenterology hold varied N.I.H., N.S.F., corporate, foundation, and pharmaceutical grants to support basic and translational research activities. Fifty faculty publications appeared in highly respected, peer-review journals in the past year.

TEACHING

The Brown University Fellowship Program in Gastroenterology is a three-year A.C.G.M.E./A.B.I.M. accredited program conducted by thirteen fulltime and twenty-seven volunteer faculty stationed at the Rhode Island, Miriam, Women and Infants, and Veteran's Administration Hospital(s). Individuals are encouraged to select the Clinical-Scholar, Physician-Scientist, or Research track; mentors of varied interests are on-site to assist Fellows allowing a unique clinical/research perspective. Faculty Members



Jack R. Wands, M.D., Jeffrey and Kimberly Greenberg-Artemis and Martha Joukowsky Professor in Gastroenterology and Professor of Medical Science; Director, Division of Gastroenterology and Liver Research Center

FACULTY MEMBERS

Full-time Faculty (Hospital and Foundation-Based)

Jack R. Wands, M.D., Jeffrey and Kimberly Greenberg-Artemis and Martha Joukowsky Professor in Gastroenterology and Professor of Medical Science; Director, Division of Gastroenterology and the Liver Research Center, Rhode Island, Miriam, and Providence Veteran's Administration Hospital(s), and University Medicine (Gastroenterology) Foundation.

Gyorgy Baffy, M.D., Assistant Professor, Rhode Island Hospital, University Medicine (G.I.) Foundation.

Jose Behar, M.D., Professor, Rhode Island Hospital, University Medicine (G.I.) Foundation.

Piero Biancani, Ph.D., Professor of Medicine (Research), Rhode Island Hospital.

Weibao Cao, M.D., Assistant Professor, Department of Medicine & Surgery, Rhode Island Hospital

Suzanne de la Monte, M.D., MPH., Professor of Pathology and Laboratory Medicine (Res) and Clinical Neuroscience, Rhode Island Hospital

Silvia Degli-Esposti, M.D., Associate Professor of Medicine, Womens and Infants Hospital

Edward Feller, M.D., Clinical Professor, Miriam Hospital

Fadlallah Habr, M.D., Assistant Professor, Rhode Island Hospital, University Medicine Foundation - Gastroenterology

Karen M. Harnett, Ph.D., Assistant Professor, Rhode Island Hospital

Sripathi Kethu, M.D., Assistant Professor, Rhode Island Hospital, University Medical Foundation-Gastroenterology

Miran Kim, Ph.D., Assistant Professor of Medicine, The Liver Research Center

Ji-su Li, M.D., Ph.D., Associate Professor, The Liver Research Center

Steven Moss, M.D., Associate Professor, Rhode Island Hospital, University Medicine Foundation-Gastroenterology

Kittichai Promrat, M.D., Assistant Professor, Veteran's Administration Medical Center, University Medicine Foundation-Gastroenterology

Daniel Quirk, M.D., M.P.H., Clinical Assistant Professor of Medicine, Director of Translational Research in the Division of Gastroenterology, Rhode Island Hospital

Harlan Rich, M.D., Associate Professor, Rhode Island Hospital, University Medicine Foundation-Gastroenterology

Shuping Tong, M.D., Ph.D., Associate Professor, The Liver Research Center

Volunteer Faculty

Alyn Adrain, M.D., Clinical Assistant Professor, Memorial Hospital

Paul Akerman, M.D., Clinical Assistant Professor, Rhode Island Hospital

Nicholas Califano, M.D., Clinical Associate Professor, Rhode Island Hospital

Leslie Cashel, M.D., Clinical Instructor, Rhode Island Hospital

William Chen, M.D., Rhode Island Hospital

Evan Cohen, M.D., Clinical Assistant Professor, Miriam Hospital

Thomas DeNucci, M.D., Clinical Assistant Professor, Rhode Island Hospital

Christy L. Dibble, D.O., Clinical Assistant Professor, Women & Infants Hospital

Joseph DiMase, M.D., M.S., Clinical Assistant Professor Emeritus, Rhode Island Hospital

Neil Greenspan, M.D., Clinical Assistant Professor, Memorial Hospital

Edward Iannuccilli, M.D., Clinical Professor, Rhode Island Hospital

Donald Kaufman, M.D., Clinical Assistant Professor Emeritus, Memorial Hospital

Sheldon Lidofsky, M.D., Clinical Assistant Professor, Rhode Island Hospital

James Manis, M.D., Clinical Associate Professor Emeritus, VA Medical Center

Peter Margolis, M.D., Clinical Assistant Professor, Rhode Island Hospital

Philip McAndrew, M.D., Clinical Instructor, Rhode Island Hospital

Herbert Rakatansky, M.D., Clinical Professor, Miriam Hospital

David Schreiber, M.D., Clinical Instructor, Miriam Hospital

Thomas Sepe, M.D., Clinical Professor, Rhode Island Hospital

Samir Shah, M.D., Clinical Assistant Professor, Miriam Hospital

Jay Sorgman, M.D., Clinical Assistant Professor, Miriam Hospital

Jeremy Spector, M.D., Clinical Assistant Professor, Miriam Hospital

Joel Spellun, M.D., Clinical Assistant Professor, Rhode Island Hospital

Walter Thayer, M.D., Professor of Medicine Emeritus, Rhode Island Hospital

Philip Torgan, M.D., Clinical Associate Professor Emeritus, Miriam Hospital

Paul vanZuiden, M.D., Clinical Assistant Professor, Rhode Island Hospital

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION OF FACULTY

Gyorgy Baffy, M.D.

PRESENTATIONS:

- ▶ American Gastroenterological Association, Washington, DC 2007
 - ▶ Mitochondrial uncoupling protein 2 alters chemoresistance by decreasing ROS production and apoptosis rates in colon cancer cells.
- ▶ 98th Annual Meeting of the American Association for Cancer Research, Los Angeles, CA 2007
 - ▶ Mitochondrial uncoupling protein-2 inhibits oxidative stress and p53-mediated apoptosis in HCT116 cells

Jose Behar, M.D.

- ▶ Chairman, Biliary and Pancreatic Section, Rome (Multinational Workshop Team) 2006

PRESENTATIONS:

- ▶ American Motility Society Meeting, Grand Bahama Island, March 2007.
 - ▶ Role of cholesterol in the pathogenesis of gastroparesis in the transgenic OB/OB mouse.
- ▶ American Gastroenterological Association, Washington, DC 2007
 - ▶ Role of caveolar cholesterol in the pathogenesis of gastroparesis in the transgenic OB/OB mouse.
 - ▶ Abnormalities of prostaglandins and COX enzymes in female patients with slow transit constipation.

Piero Biancani, Ph.D

- ▶ International Symposium on O.E.S.O, Avignon, France 2006
 - ▶ Development of acid induced esophageal inflammation”

Weibiao Cao, M.D.

PRESENTATIONS:

- ▶ American Gastroenterological Association, Washington, DC 2007
 - ▶ Sharad Kunnath, Victor E. Pricolo, Neal S. Leleiko, Weibiao Cao. Role Of Platelet Activating Factor (PAF)-Induced H₂O₂ Production Via Activation Of NADPH Oxidases In Sigmoid Motor Dysfunction In Ulcerative Colitis (UC) (oral).
 - ▶ Jin Si, Jose Behar, Jack Wands, David G. Beer, David Lambeth, Weibiao Cao. Bile acid-Induced NADPH oxidase NOX5S Expression In Barrett’s Esophageal Adenocarcinoma Cells (poster).
 - ▶ Weibiao Cao, Karen M. Harnett, Jose Behar and Piero Biancani. Phosphatidyl inositol-phospholipase Cb2 mediates prostaglandin F_{2a} induced contraction of human LES circular smooth muscle (poster).

PRESENTATIONS

- ▶ National Viral Hepatitis Prevention Conference, Washington, DC 2005
 - ▶ Degli Esposti S, Raymond P, Integrating Perinatal Hepatitis C Prevention Activities into Perinatal Hepatitis B Prevention.

Suzanne de la Monte, M.D., M.P.H.

- ▶ Editorial Board: Journal of Alzheimer’s Disease

PRESENTATIONS:

- ▶ National Institutes on Aging: ADRC Council 2006
“Role of insulin resistance in Alzheimer’s disease - is this Type 3 diabetes?”

- ▶ 28th Annual Neurology Symposium, Center for Medical Knowledge, Hartford, CT 2006
“Insulin resistance and insulin deficiency in Alzheimer’s disease”
- ▶ ISBRA World Congress on Alcohol Research, Sydney, Australia 2006
“Role of insulin resistance in the pathogenesis of CNS disorders in fetal alcohol syndrome”

Karen Harnett, Ph.D

PRESENTATIONS

- ▶ American Gastroenterological Association, Los Angeles, CA - 2006
 - ▶ PAF induced activation of NADPH oxidase is mediated by arachidonic acid and the myeloid-related proteins S100A8/A9.
 - ▶ Vanilloid receptor TRPV1-induced PAF production mediates acid-induced esophageal inflammation.
- ▶ American Gastroenterological Association, Washington, DC - 2007
 - ▶ Phospholipases mediating prostaglandin F₂-alpha-induced contraction of human lower esophageal sphincter circular smooth muscle.

Sripathi Kethu, M.D.

PRESENTATIONS:

- ▶ Lecturer - Indian Medical Association, Andhra, India 2006
- ▶ Lecturer - Asian Institute of Gastroenterology, India 2006

Miran Kim, Ph.D

PRESENTATIONS:

- ▶ Lecturer - Wnt signaling in hepatocellular carcinoma. Univ Ulsan, Korea 2007

Ji-Su Li, M.D., Ph.D

PRESENTATIONS

- ▶ American Association for the Study of Liver Diseases, San Francisco, CA 2005
 - ▶ von dem Bussche A, Fukutomi T, Kawai S, Wands J, Li JS Contribution of wnt-1/WISP2 signaling in hepatocyte proliferation induced by hepatitis C virus core protein. (Poster)
- ▶ International Meeting of the Molecular Biology of Hepatitis B Viruses, Vancouver, BC 2006
 - ▶ Kwei K, Tang X, Konkin T, Li JS, Wands JR, Tong, S. Hepatitis B virus vaccine escape mutants may have defects in virion secretion. (Oral)

- ▶ American Association for the Study of Liver Diseases, Boston, MA 2006
 - ▶ Kim E, Li K, Lieu C, Tong S, Zhou Y, Wands J, Li JS. 2006. Transcriptional activation of apolipoprotein C-IV by hepatitis C virus core protein is mediated by Ku antigen/DNA dependent protein kinase complex. (Poster)

Steven Moss, M.D.

PRESENTATIONS:

- ▶ Chinese Medical Society, Manila, The Philippines - 2005
 - ▶ *Helicobacter pylori* and gastric cancer
- ▶ Harvard Digestive Disease Center, Boston, MA - 2006
 - ▶ Coordinate actions of bacterial and host factors in the promotion of gastric carcinogenesis during *H. pylori* infection"
- ▶ Mayo Clinic Symposium - Rochester, MN - 2006
 - ▶ *Helicobacter pylori* in gastric carcinogenesis

Kittichai Promrat, M.D.

PRESENTATIONS:

- ▶ American Gastroenterological Association, Chicago, IL - 2005
 - ▶ Worsening of liver histology of NASH after stopping pioglitazone. Is long-term therapy needed?
- ▶ American Gastroenterological Association, Los Angeles, CA 2006
 - ▶ Outcome of screening for hepatitis C virus infection in the veteran population
- ▶ American Gastroenterological Association, Washington, DC 2007
 - ▶ The prevalence and predictors of nonalcoholic fatty liver disease in myotonic dystrophy.

Shuping Tong, M.D.

Presentations

- ▶ American Association for the Study of Liver Diseases, San Francisco, CA 2005
 - ▶ The G1862 T mutation in the hepatitis B virus genome impairs DNA replication at the step of core protein expression
- ▶ International Symposium on HBV Genotypes, Kyoto, Japan 2006
 - ▶ Impact of viral genotypes and naturally occurring mutations on the biological properties of HBV
- ▶ 112th International Symposium on Viral Hepatitis and Liver Diseases, Paris, France 2006

- ▶ Session Chair: HBV: Mutants
- ▶ Speaker - Hepatitis B virus e antigen expression and regulation

Jack R. Wands, M.D.

EDITORIAL BOARDS:

- ▶ *International Journal of Oncology*
- ▶ *Cancer Therapy*

PRESENTATIONS

- ▶ ISBRA World Congress on Alcohol Research, Sydney, Australia 2006
 - ▶ Consequences of alcohol induced endocrine disruption
- ▶ Asian Pacific Digestive Week, The Philippines 2006
 - ▶ Current strategies in the diagnosis of hepatocellular carcinoma
 - ▶ Clinical genomics: role in the treatment of GI diseases
- ▶ 98th Annual Meeting of the American Association for Cancer Research, Los Angeles, CA 2007
 - ▶ Co-Chairperson, Liver Cancer [New Concepts in Organ-Site Research]

RESEARCH AND OTHER SCHOLARLY ACTIVITIES**Faculty Members of Study Sections and Advisory Committees****Piero Biancani, Ph.D**

- ▶ Member - American Heart Association Northeast One Peer Review Meeting - March 2006
- ▶ Chairman - NIH-NIDDK Special Emphasis Panel for Neuromuscular Gastrointestinal Program Projects - March 20, 2006

Suzanne de la Monte, M.D.

- ▶ NAL NIH Study Section Member 2007
- ▶ Lifespan IACUC Committee Member

Steven Moss, M.D.

- ▶ NIH Study Section NIDDK PO1- Program project site visit, Mar 2007

Kittichai Promrat, M.D.

- ▶ Member, Review Panel Committee: The Dr. George A Bray Research Scholars Award Fund 2006
- ▶ Member, NIDDK Safety Monitoring Committee RO1 DK 068598-01A1
- ▶ GI Clinical Champion, National VA Colorectal Cancer Care Collaborative

Jack R. Wands, M.D.

- ▶ Chair, NIAID Special Emphasis Panel – HCV proposals, 2005
- ▶ Reviewer, NCI, Cancer Etiology Cluster Review - 2006
- ▶ Moderator, NIH NIDDK Hepatitis B virus meeting - 2006
- ▶ Member, NCI Review Group, Subcommittee C - 2006
- ▶ Member, NIAAA Review Panel of Center Grants - 2007

TEACHING ACTIVITIES

Gyorgy Baffy, M.D.

- ▶ Co-Director, Gastroenterology Section, Providence Veterans Administration Medical Center

Silvia Degli-Esposti, M.D.

- ▶ Course Director, Elective for Gastroenterology Fellowship, The Warren Atwood Medical School of Brown University - “Gastroenterology in Women’s Health and Pregnancy” 2007
- ▶ Course Director, BioMed 285 - Introduction to Faculty Research
- ▶ Dean’s Teaching Excellence Award – Bio 282 Pathophysiology/Gastroenterology 2005

Fadlallah Habr, M.D.

- ▶ Dean’s Teaching Excellence Award, The Warren Alpert Medical School of Brown University - 2006

JiSu Li, M.D., Ph.D

- ▶ Biomed 284 – Graduate Program in Pathobiology - Course Leader

Steven Moss, M.D

- ▶ Program Director - The Warren Atwood Medical School of Brown University/Affiliated Hospital Program in Gastroenterology

Kittichai Promrat, M.D.

- ▶ Chief, Gastroenterology Section, Providence Veterans Administration Medical Center
- ▶ Outstanding Teacher Award 2005 - Brown Fellows in Gastroenterology
- ▶ Special Contribution Award, Department of Veteran’s Affairs 2007
- ▶ Preceptor - Longitudinal Hepatology Clinic, Rhode Island Hospital

Daniel Quirk, M.D.

- ▶ Dean’s Teaching Excellence Award - 2005

Harlan Rich, M.D.

- ▶ Biomed 282 – Gastrointestinal and Liver Pathophysiology - Course Director
- ▶ Dean’s Teaching Excellence Award – Bio 351, Brown Medical School - 2005

Jack Wands, M.D.

- ▶ Biomed 282 - Gastrointestinal and Liver Pathophysiology - Lecturer
- ▶ Harvard/MIT-Pathophysiology [HST] - Lecturer

GASTROENTEROLOGY FELLOWSHIP PROGRAM

Departed Fellows

Costica Aloman, M.D.	Academic GI	Assistant Professor of Medicine Mount Sinai School of Medicine, York, N.Y.
Colleen Kelly, M.D.	Clinical GI	Women and Infants
Patrick Hyatt, M.D.	Clinical GI	Maryland
Carol Mallette, M.D.	Clinical GI	Texas
Chad Morse, M.D.	Clinical GI	Arizona
Kenneth Shieh, M.D.	Clinical GI	Massachusetts
Bret Ancowitz, M.D.	Clinical GI	Rhode Island

Present Fellows

	Medical School	Residency
Deepak Agrawal, M.D. PGY6	Hartmann College (India)	Case Western Reserve
Mark Branda, M.D. PGY6	U Vermont	Yale-New Haven Hospitals
Sumona Saha, M.D. PGY6	Brown Medical U	Beth Israel-Deaconess Med Ctr, Harvard Med Sch
Randall Pellish, M.D. PGY 6	U Massachusetts	Brown Medical School Program in Med
Nnenna Okpara, M.D. PGY 5	Columbia Univ	Columbia Univ Med Center
Jeffrey Zaidman, M.D. PGY5	U Virginia	U Pennsylvania
David Kerstetter, M.D. PGY4	Boston U	Brigham & Womens Hospital/Harvard Med Sch
Julie Foont, M.D. PGY 4	NYU School Medicine	NYU IM Program in Medicine

SELECTED PUBLICATIONS

Gyorgy Baffy, M.D.

- ▶ Baffy G. Uncoupling protein-2 and non-alcoholic fatty liver disease. *Front Biosci* 2005;10:2082-96.
- ▶ Derdak Z, Fulop P, Sabo E, Tavares R, Berthiaume EP, Resnick MB, Paragh G, Wands JR, Baffy G. Enhanced colon tumor induction in uncoupling protein-2 deficient mice is associated with NF- κ B activation and oxidative stress. *Carcinogenesis* 2006;27:956-61.
- ▶ Fulop P, Derdak Z, Sheets A, Sabo E, Berthiaume E, Resnick M, Wands JR, Paragh G, Baffy G. Lack of UCP2 reduces Fas-mediated liver injury in ob/ob mice and reveals importance of cell-specific UCP2 expression. *Hepatology* 2006;44:592-601.

Jose Behar, M.D.

- ▶ Xiao ZL, Cao W, Biancani P, Behar J: Non-genomic effects of progesterone on the contraction of muscle cells from the guinea pig colon. *Am J Physiol* 2006;290:1008-1015.
- ▶ Fu X, Beer DG, Behar J, Wands J, Lambeth D, Cao W: cAMP response element binding protein (CREB) mediates acid-induced NADPH oxidase NOX5-S expression in Barrett's esophageal adenocarcinoma cells. *J Biol Chem* 2006;281:20368-20382.
- ▶ Cheng L, Cao W, Behar J, Fiocchi C, Biancani P, Harnett KM: Acid induced release of PAF by human esophageal mucosa induces inflammatory mediators in circular smooth muscle. *J Pharmacol Exp Ther* 2006;319:117-126.
- ▶ Cao W, Cheng L, Behar J, Biancani P, Harnett KM. IL-1 β signaling in cat lower esophageal sphincter (LES) circular muscle. *Am J Physiol* 2006;291:G-72-G680.
- ▶ Cong P, Xiao ZL, Biancani P, Behar J: Prostaglandins mediate tonic contraction of the guinea pig and human gallbladder. *Am J Physiol* 2007;292:G409-G418.

Piero Biancani, Ph.D

- ▶ Cao W, Cheng L, Behar J, Biancani P, Harnett KM. IL-1 beta signaling in cat lower esophageal sphincter circular muscle. *Am J Physiol Gastrointest Liver Physiol* 2006;291:G672-80.
- ▶ Cheng L, Cao W, Behar J, Fiocchi C, Biancani P, Harnett KM. Acid induced releast of PAF by human esophageal mucosa induces inflammatory mediators in circular smooth muscle. *J Pharmacol Exp Ther* 2006;319:117-26.

- ▶ Xiao ZL, CAO W, Biancani P, Behar J. Nongenomic effects of progesterone on the contraction of muscle cells from the guinea pig colon. *Am J Physiol Gastrointest Liver Physiol* 2006;290:G1008-15.
- ▶ Rieder F, Cheng L, Harnett KM, Chak A, Cooper GS, Isenberg G, Biancani P et al. Gastroesophageal reflux disease associated esophagitis induces endogenous cytokine production leading to motor abnormalities. *Gastroenterology* 2007;132:154-65.
- ▶ Cong P, Xiao Z, Biancani P, Behar J. Prostaglandins mediate tonic contraction of guinea pig and human gallbladder. *Am J Physiol* 2007;G409-18.

Weibiao Cao, M.D.

- ▶ Xiao ZL, Cao W, Biancani P, Behar J. Non-genomic effects of progesterone on the contraction of muscle cells from guinea pig colon. *Am J Physiol Gastrointest Liver Physiol* 2006;290:G1008-15.
- ▶ Cao W, Harnett KM, Pricolo VE. NK2 receptors mediated spontaneous phasic contractions in human sigmoid colon: ulcerative colitis-induced changes. *JPET* 2006;317:1349-55.
- ▶ Fu X, BGeer D, Behar J, Wands JR, Lambeth D, Cao W. cAMP response element binding protein is responsible for acid-induced NOX5 expression in Barrett's esophageal adenocarcinoma cells. *J Biol Chem* 2006;281:20368-82.
- ▶ Cao W, Cheng L, Behar J, Biancani P, Harnett KM. IL-1beta signaling in cat LES circular muscle. *Am J Physiol Gastrointest Liver Physiol* 2006;291:G672-80.
- ▶ Si J, Fu X, Behar J, Wands JR, Beer DG, Souza RF, Spechler SJ, Lambeth D, Cao W. NADPH oxidase NOX5-S mediates acid induced cyclooxygenase-2 expression via activation of NF-kappa B in Barrett's esophageal adenocarcinoma cells. *J Biol Chem* 2007 (Apr 2):publ Epub ahead of print

Suzanne de la Monte, M.D.

- ▶ Soscia SJ, Tong M, Xu XJ, Cohen AC, Chu J, Wands JR, et al. Chronic gestational exposure to ethanol causes insulin and IGF resistance and impairs acetylcholine homeostasis in the brain. *Cell Mol Life Sci* 2006;63:2039-56.
- ▶ de la Monte SM, Tong M, Lester-Coll N, Plater M, Jr., Wands JR. Therapeutic rescue of neurodegeneration in experimental type 3 diabetes: relevance to Alzheimer's disease. *J Alzheimers Dis* 2006;10:89-109.
- ▶ Wang J, de la Monte SM, Sabo E, KethuS, Tavares R, Branda M, Simao L, Wands JR, Resnick MB. Prognostic value of humbug gene overexpression in stage II colon cancer. *Hum Pathol* 2007;38:17-25.

- de la Monte SM, Tong M, Longato L, Carter JJ, Cheng L, Lester-Coll N, et al. Impaired neuronal migration in fetal alcohol spectrum disorders linked to reduced expression of aspartyl-(asparaginyl)- β hydroxylase. *J Neuropathol Exp Neurol* 2007;66:272–83
- Gundogan F, Elwood G, Greco D, Rubin LP, Pinar H, Carlson RI, et al. Role of aspartyl-(asparaginyl) beta-hydroxylase in placental implantation: relevance to early pregnancy loss. *Hum Pathol* 2007;38:50–9.

Karen Harnett, Ph.D

- Cheng L, Cao W, Fiocchi C, Behar J, Biancani P, Harnett KM. HCl-induced inflammatory mediators in cat esophageal mucosa and inflammatory mediators in esophageal circular muscle in an in vitro model of esophagitis. *Am J Physiol* 2006;290:G1307–17.
- Cao W, Harnett KM, Pricolo VE. NK2 receptor-mediated spontaneous phasic contractions in normal and ulcerative colitis human sigmoid colon. *J Pharmacol Exp Ther* 2006;317:1349–55.
- Cao W, Cheng L, Behar J, Biancani P, Harnett KM. IL-1 (beta) signaling in cat lower esophageal sphincter circular muscle. *Am J Physiol* 2006;291:G672–80.
- Cheng L, Cao W, Behar J, Fiocchi C, Biancani P, Harnett KM. Acid-induced release of PAF by human esophageal mucosa induces inflammatory mediators in circular smooth muscle. *J Pharmacol Exp Ther* 2006;319:117–26.
- Rieder F, Cheng L, Harnett KM, Chak A, Cooper GS, Isenberg G et al. Gastroesophageal reflux disease-associated esophagitis induces endogenous cytokine production leading to motor abnormalities. *Gastroenterology* 2007;132:154–65.

Sripathi Kethu, M.D.

- Kethu SR, Zheng S, Eid R. Low-grade endometrial stromal sarcoma presenting as subepithelial mass of the stomach diagnosed by EUS-FNA. *Gastrointest Endosc* 2005;62:814–6.
- Kethu SR. Extraintestinal manifestations of inflammatory bowel disease. *J Clin Gastroenterol* 2006;40:467–75.

Miran Kim, Ph.D

- Lee HC, Kim M, Wands JR. Wnt/Frizzled signaling in hepatocellular carcinoma. *Front Biosci* 2006;11:1901–15.
- Lee HC, Tian B, Sedivy J, Wands JR, Kim M. Loss of Raf kinase inhibitor protein promotes cell proliferation and migration of human hepatocellular carcinoma. *Gastroenterology* 2006;131:1208–17.

JiSu Li, M.D., Ph.D

- Fukutomi T, Zhou Y, Kawai S, Eguche H, Wands JR, Li JS. Hepatitis C virus core protein stimulates hepatocyte growth: correlation with upregulation of wnt-1 expression. *Hepatology* 2005;41:1096–1105.
- Guarnieri M, Kim KH, Bang G, Li J, Zhou Y, Tang X, Wands JR, Tong S. Point mutations upstream of hepatitis B virus core gene affect DNA replication at the step of core protein expression. *J Virol* 2006;80:587–95.

Steven Moss, M.D.

- Kuzushita N, Rogers AB, Monti NA, Whary MT, Park MJ, Aswad BI, Shirin H, Koff A, Eguchi E, Moss SF. p27kip1 Deficiency confers susceptibility to gastric carcinogenesis in *Helicobacter pylori* infected mice. *Gastroenterology* 2005; 129: 1544–1556.
- Kim SS, Meitner P, Konkin TA, Cho YS, Resnick MB, Moss SF. Altered Expression of Skp2, c-Myc and p27 proteins but not mRNA after *H. pylori* eradication in chronic gastritis. *Mod Pathology* 2006;19:49–58.
- Shirin H, Moss SF, Kancherla S, Kancherla K, Holt PR, Weinstein IB, Sordillo EM. Non-steroidal anti-inflammatory drugs have bacteriostatic and bactericidal activity against *Helicobacter pylori*. *J Gastroenterol Hepatol* 2006;21:1388–93.
- Zhang Y, Cristofaro P, Silbermann R, Pusch O, Boden D, Konkin T, Hovanesian V, Monfils PR, Resnick M, Moss SF, Ramratnam B. Engineering mucosal RNA interference *in vivo*. *Mol Ther* 2006;14:336–42.
- Resnick MB, Sabo E, Kim SS, Cho YS, Meitner P, Kim HK, Tavares R, Moss SF. Global analysis of the human gastric epithelial transcriptome altered by *Helicobacter pylori* eradication in vivo. *Gut* 2006; 55: 1717–24.

Kittichai Promrat, M.D.

- Uwaifo GI, Tjahjana M, Freedman RJ, Lutchman G, Promrat K. Acanthosis nigricans in patients with nonalcoholic steatohepatitis: an uncommon finding. *Endocr Pract* 2006;12:371–9.
- Lutchman G, Promrat K, Kleiner DE, Heller T, Ghany MG, Yanovski JA, Liang TJ, Hoofnagle JH. Changes in serum adipokine levels during pioglitazone treatment for nonalcoholic steatohepatitis: relationship to histological improvement. *Clin Gastroenterol Hepatol* 2006;4:1048–52.
- Lee P, Promrat K, Mallette C, Flynn M, Beutler E. A juvenile hemochromatosis patient homozygous for a novel deletion of cDNA nucleotide 81 of hemojuvelin. *Acta Hematol* 2006;115:123–7.

Shuping Tong, M.D.

- Guarnieri M, Kim KH, Bang G, Li J, Zhou Y, Tang Z, Wands J, Tong S. Point mutations upstream of hepatitis B virus core gene affect DNA replication at the step of core protein expression. *J Virol* 2006;80:587–95.

Jack R. Wands, M.D.

- Kuzushita N, Gregory SH, Gehring S, Wands JR. Vaccination with protein-transduced dendritic cells elicits a sustained response to hepatitis C viral antigens. *Gastroenterology* 2006;130:453–64.
- Guarnieri M, Kim KH, Bang G, Li J, Zhou Y, Tang X, Wands JR, Tong S. Point mutations upstream of hepatitis B virus core gene affect DNA replication at the step of core protein expression. *J Virol* 2006;80:587–95.

- Fu X, Beer DG, Behar J, Wands JR, Lambeth D, Cao W. cAMP-response element-binding protein mediates acid-induced NADPH oxidase NOX5-S expression in Barrett's esophageal adenocarcinoma cells. *J Biol Chem* 2006;281:20368–82.
- Lee HC, Tian B, Sedivy J, Wands JR, Kim M. Loss of raf kinase inhibitor protein promotes cell proliferation and migration of human hepatocellular carcinoma. *Gastroenterology* 2006;131:1208–17.
- Aloman C, Gehring S, Wintermeyer P, Kuzushita N, Wands JR. Chronic ethanol consumption impairs cellular immune responses against HCV NS5 protein due to dendritic cell dysfunction. *Gastroenterology* 2007;132:698–708.

RESEARCH

		Direct	Indirect	Total
TOTAL BASIC RESEARCH EXPENSES	Academic Year 2005	\$2,844,854	\$1,237,309	\$4,082,159
FOR GASTROENTEROLOGY	Academic Year 2006	\$2,937,104	\$1,249,636	\$4,186,740
TOTAL CLINICAL RESEARCH	Academic Year 2005	\$43,510	\$5,019	\$48,529
EXPENSES FOR GASTROENTEROLOGY	Academic Year 2006	\$72,476	\$33,559	\$106,035

**BASIC RESEARCH****Gyorgy Baffy, M.D.**

- UCP2 in the Pathogenesis of Steatohepatitis. National Center for Research Resources
- COBRE - The Role of Mitochondrial Uncoupling Protein-2 (UCP2) in Colon Carcinogenesis. National Institute of Diabetes and Digestive and Kidney Diseases

Jose Behar, M.D.

- The Role of Progesterone in Colonic Muscle Dysfunction. National Institute of Diabetes and Digestive and Kidney Diseases

Piero Biancani, M.D.

- The Biophysical Principles of Peristaltic Phenomena. National Institute of Diabetes and Digestive and Kidney Diseases.
- Inflammation and Signal Transduction in Esophagitis. National Institute of Diabetes and Digestive and Kidney Diseases

Weibiao Cao, M.D., Ph.D

- NADPH Oxidases-associated Transition from Barrett's Esophagus to Adenocarcinoma. National Institute of Diabetes and Digestive and Kidney Diseases

- COBRE - Transduction in acid induced progression of Barrett's Esophagus from metaplasia to dysplasia. National Center for Research Resources.

Suzanne de la Monte, M.D.

- Effects of Ethanol on Insulin Signaling in the Brain. National Institute on Alcohol Abuse and Alcoholism.
- Award: Alcohol-Related Human Disease Research. National Institute on Alcohol Abuse and Alcoholism
- Midcareer Investigator Award in Alcohol-Related Human Disease Research. National Institute on Alcohol Abuse and Alcoholism.

Miran Kim, Ph.D

- COBRE - Wnt Signaling in Hepatocellular Carcinoma. National Center for Research Resources

JiSu Li, M.D., Ph.D

- Hepatitis C Virus Core Protein and Cell Proliferation. National Institute of Diabetes and Digestive and Kidney Diseases.
- Molecular Target(s) for Interruption of HBV Infection. National Institutes of Health/National Cancer Institute.

Steven Moss, M.D.

- p27 and Apoptosis Resistance in Gastric Cancer. National Cancer Institute.

- COBRE - H. Pylori in Gastric Carcinogenesis. National Center for Research Resources.
- H. Pylori Vaccine. National Institutes of Health

Kittichai Promrat, M.D.

- Weight management in Nonalcoholic Steatohepatitis (NASH). National Institute of Diabetes and Digestive and Kidney Diseases.

Shuping Tong, M.D., Ph.D

- Hepatitis B virus replication and secretion. American Cancer Research Scholar Award
- Molecular Targets for Interruption of HBV Infection. National Institutes of Health/National Cancer Institute

Jack Wands, M.D.

- Nucleic Acid Based Therapy of HCV. Nucleonics Inc.
- Biomarker for Hepatocellular Carcinoma. National Institutes of Health/National Cancer Institute
- Alcohol Effects on the Liver. National Institute on Alcohol Abuse and Alcoholism
- HCV in Alcoholics. National Institute on Alcohol Abuse and Alcoholism
- Ethanol, IRS-1 Signaling and Neuronal Migration. National Institute on Alcohol Abuse and Alcoholism
- Pathogenesis, Immunodiagnosis and Therapy of HCC. National Institutes of Health/National Cancer Institute.

- Research Training Program in Gastroenterology. National Institute of Diabetes and Digestive and Kidney Diseases
- COBRE Cancer Signaling Networks (Mentor). National Institutes of Health, National Center for Research Resources.

CLINICAL RESEARCH

Fadlallah Habr, M.D.

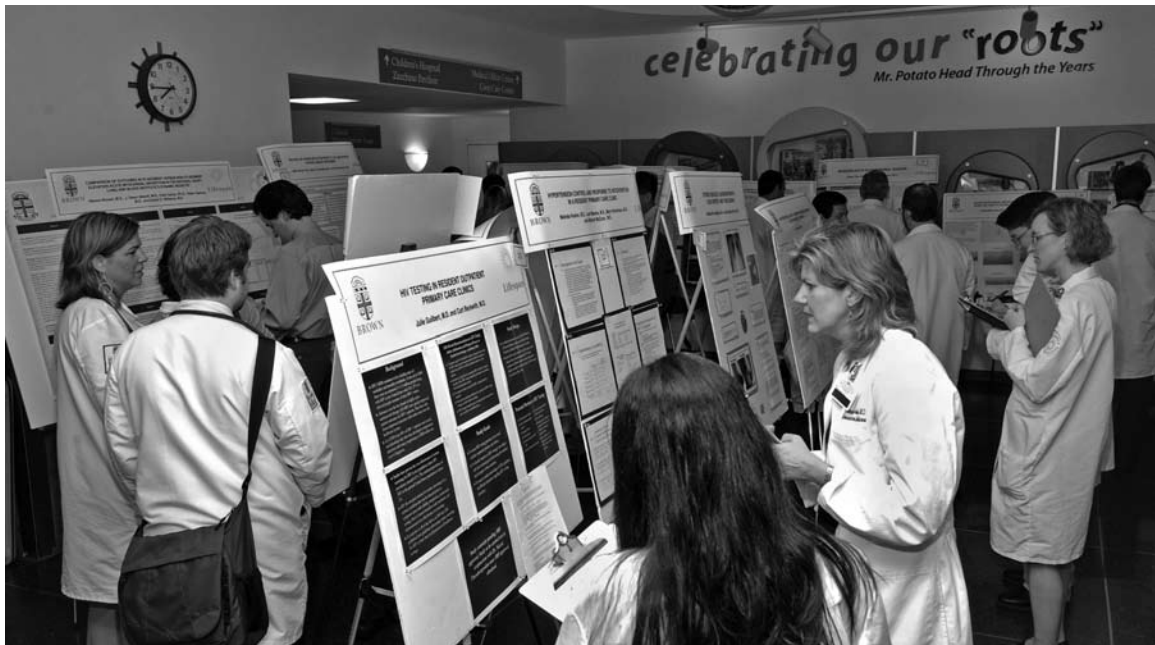
- COBRE - Signal transduction in acid induced progression of Barrett's esophagus from metaplasia to dysplasia. National Institutes of Health, National Center for Research Resources.

Kittichai Promrat, M.D.

- Outcome of Screening for Hepatitis C Virus Infection in Veteran Population. Lifespan grant
- Weight loss and retreatment with pegylated interferon and ribavirin for hepatitis C non-responders. Lifespan grant.

Daniel Quirk, M.D.

- A double-blind randomized controlled trial of rifaximin compared to vancomycin for the treatment of Clostridium difficile-associated diarrhea. Salix Pharmaceuticals
- OSCCAR Startup: a novel, population-based prospective inception cohort of IBD. CCFA/RFA [Mass General]



Internal Medicine Residency Research Day Poster Presentation, Rhode Island Hospital, May 2007

GENERAL INTERNAL MEDICINE

OVERVIEW

The 2005 and 2006 academic years have seen growth, achievement and change for the Division of General Internal Medicine (DGIM). Led by its Director, Michele G. Cyr, M.D., FACP, Professor of Medicine, the division continues to sponsor a wide array of educational, patient care and research activities. Due to the constraints of space, this report will highlight but a few.

The DGIM faculty includes 39 Full Time Faculty, 15 University Medicine Foundation Primary Care Clinical Faculty and 111 Clinical/Part-time Faculty. Our faculty maintain thriving clinical practices and serve as administrators, dedicated educators, and successful researchers at 5 of Brown University's Warren Alpert Medical School's affiliated hospitals in Rhode Island – Rhode Island Hospital, Memorial Hospital of Rhode Island, The Miriam Hospital, Veterans Affairs Medical Center and Women & Infants' Hospital.

Medical education, a chief focus of the Division's mission and purpose, is conducted at the Brown affiliated hospitals and involves the training of more than 200 residents. General Internal Medicine faculty continue important leadership roles for the residencies. Dr. Dominic Tammaro continues as Associate Program Director for the Internal Medicine Categorical Residency and Preliminary Internship and as Co-Director for the Med-Peds Residency. During this period, Dr. Kelly McGarry was named Program Director for the Brown General Internal Medicine Residency and Dr. Jennifer Jeremiah was named Associate Program Director for the Internal Medicine Residencies sponsored by RI Hospital. Dr. Joseph Rabatin joined the faculty at Memorial Hospital of Rhode Island (MHRI) and was named Associate Program Director for the Internal Medicine Residency. Each year, 64 interns are recruited into the 5 Medicine Residencies. During this period, 98 residents completed 3 or 4 years of training and have gone on to fellowships, chief residencies, clinical practices, and clinician educator positions in a variety of settings including community-based practice, hospitalist practice and public health. Twenty-one interns completed the 1-year program and entered into specialty programs.

DGIM faculty serve as the attendings for the inpatient general medicine rotations and as preceptors in the ambulatory clinics. They provide bedside teaching, lectures, feedback, and evaluation for residents and medical



Michele G. Cyr, M.D., Professor of Medicine; Director, Division of General Internal Medicine

students. Furthermore, nearly 60 General Internal Medicine Community Physician Faculty and 30 Sub-Specialty Faculty members served during these years as preceptors in our Community-Based Teaching Program, providing a second continuity ambulatory experience for the 2nd and 3rd Year Residents.

Brown Medical School students play a significant role in the Division and the Department of Medicine through their participation in core clerkships and sub-internships guided by division faculty. Mark Fagan, M.D. serves as the Medical Clerkship Director for Brown. Joseph Rabatin, M.D. has been named Site Director for the clerkship at Memorial Hospital of RI. Division faculty play an important role in the medicine clerkship, serving as inpatient attendings, outpatient preceptors, small group leaders, and career advisors. Division faculty also serve as supervisors for fourth year medical students during their subinternships and longitudinal clerkships. Many students choose to work with our faculty on research projects, clinical electives or in community-based practices.

Two of the division's faculty practices moved into a newly renovated building adjacent to the RI Hospital campus. The building is now entirely devoted to GIM activities with practices devoted to General Internal Medicine and Women's Health on the 2nd and 3rd floors respectively and the GIM research unit occupying the first and ground floors. The consolidated space fosters enhanced collaboration among GIM faculty

The Division continues its exchange program with Cabral y Baez Hospital in Santiago, Dominican Republic. This elective, under the direction of Mark Fagan, M.D. and Joseph Diaz, M.D., is available to internal medicine residents as well as Brown medical students.

Cabral y Baez is a large, public teaching hospital in Santiago, the second largest city in the Dominican Republic. The hospital has an Internal Medicine residency training program, and the goal is for our residents to integrate into the system there as much as possible. In this elective, residents and students work with inpatient teams of Cabral residents and faculty, attend teaching conferences, and participate in outpatient clinics at Cabral. In addition, our trainees have the opportunity to work in a clinic in a rural area, about 30 minutes from the hospital.

Dr. Michael Stein has worked with physicians at Cabral y Baez to enhance the delivery of HIV services. This collaboration has been successful in bringing up-to-date HIV treatment to Santiago, advocating for increased resources for HIV care, and establishing a database of more than 800 HIV patients followed at Cabral.

Seven new faculty members have joined the DGIM during the last two academic years;

Kristin Lehr Anderson, M.D. obtained her medical degree from Albany Medical College and completed her Medicine/Pediatrics residency at Rhode Island Hospital. Her undergraduate degree is from Skidmore College. Dr. Anderson is based at RI Hospital. She teaches in the Med-Peds and Internal Medicine residencies, and practices at Women's Health Associates

Bethany Gentileco, M.D. is a graduate of the Cornell University Medical College. She completed her Internal Medicine residency at Stanford University. Dr. Gentileco joined the Division after working as an internal medicine hospitalist at Palo Alto Medical Foundation in California. She works with the hospitalist service at RI Hospital and as a teaching attending on the Internal Medicine Inpatient Service.

Mary Hohenhaus, M.D. completed her residency at Rhode Island Hospital after receiving her medical degree from the University of Pittsburgh School of Medicine. Dr. Hohenhaus served as a Chief Resident in Internal Medicine for 2004–2005. She is based at the Miriam Hospital as a teaching attending for Internal Medicine Residents and medical students and has a general internal medicine practice in the Fain Clinic.

Donnah Mathews, M.D. attended medical school at the George Washington School of Medicine and completed

her General Internal Medicine Residency at Rhode Island Hospital. Prior to joining the DGIM faculty at RIH, Dr. Mathews worked with the Internal Medicine Inpatient Service at Miriam Hospital. She now serves as a teaching attending at RI Hospital on the inpatient internal medicine service and in the Medical Primary Care Unit.

Joseph Rabatin, M.D. came to Brown from NYU Medical School where he served as a teaching attending. He received his M.D. degree from the University of Minnesota and did his Primary Care Internal Medicine Residency at NYU-Bellevue Hospital. In 2006 he joined the GIM faculty at Memorial Hospital of Rhode Island where he serves as the Associate Program Director for the Internal Medicine Residency and the site director for the Medicine Clerkship.

Catherine Malone Smitas, M.D. completed medical school at the University of Rochester and her General Internal Medicine Residency at RI Hospital. Her undergraduate degree is from Harvard University. She joined the DGIM faculty at RI Hospital as a teaching attending on the inpatient internal medicine service and in the Medical Primary Care Unit.

Edward H. Wu, M.D., MSc graduated from the New York University School of Medicine and completed his General Internal Medicine residency at Rhode Island Hospital. Dr Wu completed a fellowship in General Internal Medicine at the University of Pittsburgh School of Medicine. He has also received a Master of Science in Medical Education from the University of Pittsburgh School of Medicine. He joined the faculty at RI Hospital as a teaching attending on the inpatient internal medicine service and in the Medical Primary Care Unit.

The DGIM Research Unit, directed by Michael Stein, M.D., moved to its new facility in January 2007. This move provided the group with a total of 8500 square feet providing much needed space for the existing group as well as room for expansion. The new space has five private interview rooms, as well as a large conference room to accommodate meetings, focus groups and group interventions.

The group was pleased to welcome two new faculty members this past year, David Dove, PhD and Susan Kiene, PhD.

Dr. David Dove, is a new Investigator in Medicine. He recently completed his post-doctoral fellowship in the Department of Psychiatry and Human Behavior at the Warren Alpert Medical School of Brown University and Rhode Island Hospital. He serves as the project director on

two NIH-funded HIV risk reduction intervention studies - one for at-risk adolescents from a non-traditional public high school and a second for substance using incarcerated adolescents. During the past seven years, Dr. Dove has examined psychosocial factors related to adolescent sexual behavior, adolescent sexual and substance use risk prevention, behavior change interventions, mental health needs of marginalized populations, and health disparities. Working with researchers at the George Washington University, he conducted studies of income- and status-based health disparities and managed a family-based adolescent substance abuse prevention program for a predominantly low SES, minority sample. His current study begins a new line of research focused on understanding cultural and contextual issues involved in at-risk adolescents' sexual risk behavior.

Dr. Susan Keine joins the group as an Assistant Professor of Medicine, from the Center for Health/HIV Intervention and Prevention at the University of Connecticut. Trained as a psychologist, her research interests primarily lie in applying social psychological theory and methods to the study of health behavior change and maintenance. Within this general area of interest, she focuses on two programs of research. The first investigates the dynamics of HIV risk behavior and maintenance of safer behavior to understand the situational, interpersonal, and individual difference factors that influence HIV risk behavior. The second focuses on developing and evaluating theory-based, tailored interventions to reduce HIV risk behavior. Dr. Kiene's research involves a variety of populations including both HIV-negative and HIV-positive persons from the U.S., South Africa, Mozambique and Uganda.

General Internal Medicine research at Memorial Hospital of Rhode Island has expanded with the recruitment of Dr. Jennifer Clarke. She is the Director of Health Disparities Research and is known nationally for her work with incarcerated women. Dr. Joseph Diaz now devotes most of his professional effort to research with the receipt of a K award from the NCI to study colorectal cancer decision aids in primary care. Michele Cyr serves as the PI for the MHRI site for the National Cancer Institute of Canada breast cancer prevention trial of exemastane vs placebo.

Finally, General Internal Medicine, the largest division in the Department of Medicine, is pleased and very proud to report on two years of continued progress in pursuit of our goals for excellence in education, clinical care, and research.

FACULTY MEMBERS

FULL -TIME FACULTY (Hospital or Foundation Based)

- Michele G. Cyr, M.D.**, Director, Professor of Medicine, TST, Rhode Island Hospital, Memorial Hospital of Rhode Island, University Medicine Foundation
- Kristin Anderson, M.D.**, Clinical Instructor, Rhode Island Hospital, University Medicine Foundation
- Laurel Bliss, M.D.**, Clinical Instructor, Rhode Island Hospital, University Medicine Foundation
- Ghada Bourjeily, M.D.**, Assistant Professor, Women & Infants Hospital
- Sybil Cineas, M.D.**, Assistant Professor (Clinical), Rhode Island Hospital, University Medicine Foundation
- Jennifer Clarke, M.D.**, Assistant Professor, Memorial Hospital of Rhode Island
- Nananda Col, M.D.**, Associate Professor RST, Rhode Island Hospital, University Medicine Foundation
- Robert Crausman, M.D.**, Associate Professor TST, Memorial Hospital of Rhode Island
- Joseph Diaz, M.D.**, Assistant Professor TST, Memorial Hospital of Rhode Island
- David Dove, PhD**, Investigator in Medicine, Rhode Island Hospital
- Christine Duffy, M.D., MPH**, Assistant Professor, Rhode Island Hospital, University Medicine Foundation
- Patricia Engler, PhD**, Investigator in Medicine, Rhode Island Hospital
- Mark Fagan, M.D.**, Professor TST, Rhode Island Hospital, University Medicine Foundation
- Peter Friedmann, M.D., M.P.H.**, Associate Professor RST, Rhode Island Hospital, University Medicine Foundation
- David R. Gifford, M.D., M.P.H.**, Associate Professor RST, Rhode Island Hospital
- Debra S. Herman, Ph.D.**, Clinical Assistant Professor, Rhode Island Hospital
- Mary Hohenhaus, M.D.**, Clinical Instructor, Miriam Hospital, University Medicine Foundation
- Jennifer Jeremiah, M.D.**, Clinical Associate Professor, Rhode Island Hospital, University Medicine Foundation
- Lucia Larson, M.D.**, Associate Professor TST, Women & Infants Hospital
- Michael Maher, M.D.**, Assistant Professor (Clinical), Rhode Island Hospital, University Medicine Foundation
- Donnah Mathews, M.D.**, Clinical Instructor, Rhode Island Hospital, University Medicine Foundation

Kelly McGarry, M.D., Assistant Professor, Rhode Island Hospital, University Medicine Foundation

Margaret A. Miller, M.D., Assistant Professor, Women & Infants Hospital

Anne W. Moulton, M.D., Associate Professor TST, Rhode Island Hospital, University Medicine Foundation

Thomas O'Toole, M.D., Associate Professor TST, Veterans Affairs Medical Center

Laura Ofstead, M.D., Clinical Assistant Professor, Rhode Island Hospital, University Medicine Foundation

Paul A. Pirraglia, M.D., Assistant Professor, Rhode Island Hospital, University Medicine Foundation

Raymond Powrie, M.D., Associate Professor TST & ObGyn, Women & Infants Hospital

Jennifer S. Rose, Ph.D., Assistant Professor (Res.), Rhode Island Hospital

Karen Rosene-Montella, M.D., Professor TST, Women & Infants Hospital

Cynthia Rosengard, Ph.D., Assistant Professor (Res.), Rhode Island Hospital

Benjamin Sapers, M.D., Assistant Professor (Clinical), Rhode Island Hospital, University Medicine Foundation

Mark Schleinitz, M.D., M.S., Assistant Professor, Rhode Island Hospital, University Medicine Foundation

Jack Schwartzwald, M.D., Assistant Professor (Clinical), Rhode Island Hospital, University Medicine Foundation

Catherine Smitas, M.D., Assistant Professor (Clinical), Rhode Island Hospital, University Medicine Foundation

Michael Stein, M.D., Professor of Medicine TST, Rhode Island Hospital, University Medicine Foundation

Michelle A. Stozek Anvar, M.D., Assistant Professor (Clinical), Rhode Island Hospital, University Medicine Foundation

Dominick Tamaro, M.D., Associate Professor TST, Rhode Island Hospital, University Medicine Foundation

Edward Wu, M.D., Assistant Professor (Clinical), Rhode Island Hospital, University Medicine Foundation

UNIVERSITY MEDICINE FOUNDATION Primary Care

Francis X. Basile, M.D., Clinical Assistant Professor, Rhode Island Hospital, University Medicine Foundation

Douglas Blecker, M.D., Clinical Instructor, Rhode Island Hospital, University Medicine Foundation

Thomas Bledsoe, M.D., Clinical Associate Professor, Rhode Island Hospital, University Medicine Foundation

Stefano Cazzaniga, M.D., Clinical Assistant Professor, Rhode Island Hospital, University Medicine Foundation

David Herec, M.D., Clinical Assistant Professor, Rhode Island Hospital, University Medicine Foundation

Michael Johnson, M.D., Clinical Assistant Professor, Rhode Island Hospital, University Medicine Foundation

Warren Licht, M.D., Clinical Assistant Professor, Miriam Hospital, University Medicine Foundation

Steve Mallozzi, M.D., Clinical Assistant Professor, Miriam Hospital, University Medicine Foundation

Jennifer L. Maude, M.D., Clinical Instructor, Miriam Hospital, University Medicine Foundation

Louis J. Moran, D.O., Clinical Instructor, Rhode Island Hospital, University Medicine Foundation

Sara Nugent, M.D., Clinical Instructor, Rhode Island Hospital, University Medicine Foundation

Jeanne Oliva, M.D., Clinical Instructor, Rhode Island Hospital, University Medicine Foundation

Edward Stulik, M.D., Clinical Assistant Professor, Rhode Island Hospital, University Medicine Foundation

James Sullivan, M.D., Clinical Assistant Professor, Miriam Hospital, University Medicine Foundation

Tony Wu, M.D., Clinical Assistant Professor, Rhode Island Hospital, University Medicine Foundation

VOLUNTEER FACULTY

Khaja Ahmed, M.D, CHE, Clinical Assistant Professor, Veterans Affairs Medical Center

Ali Akhtar, M.D., Clinical Assistant Professor, Memorial Hospital of Rhode Island

Tanya Ali, M.D., Clinical Instructor, Veterans Affairs Medical Center

Scott A. Allen, M.D., Clinical Assistant Professor, Miriam Hospital

Ahmad Al-Raqqad, M.D., Clinical Assistant Professor, Memorial Hospital of Rhode Island

Kim Amin, M.D., Clinical Assistant Professor, Memorial Hospital of Rhode Island

Rex Appenfeller, M.D., Clinical Assistant Professor, Miriam Hospital

Daniel Asiedu, M.D., Ph.D., Clinical Instructor, Miriam Hospital

Jeffrey Austerlitz, M.D., Clinical Assistant Professor, Veterans Affairs Medical Center

Munawar Azam, M.D., Clinical Instructor, St. Joseph Hospital

Papa K. Badoe, M.D., Clinical Assistant Professor, Miriam Hospital

- Alice Barton, M.D.**, Clinical Assistant Professor, Rhode Island Hospital
- Kim Basu, M.D.**, Clinical Instructor, Rhode Island Hospital
- Geoffrey Berg, M.D.**, Clinical Instructor, Miriam Hospital
- Dawna Blake, M.D.**, Clinical Assistant Professor, Veterans Affairs Medical Center
- Paul Breiding, M.D.**, Clinical Instructor, Miriam Hospital
- Steven Brin, M.D.**, Clinical Assistant Professor, Rhode Island Hospital
- Frank Capizzo, M.D., M.S.**, Clinical Assistant Professor, Rhode Island Hospital
- Katherine Carey Baker, M.D.**, Teaching Associate (Clinical), Rhode Island Hospital
- Jayson Carr, M.D.**, Clinical Instructor, Kent County Memorial Hospital
- Amos Charles, M.D.**, Clinical Assistant Professor, Veterans Affairs Medical Center
- Pradeep Chopra, M.D.**, Assistant Professor (Clinical), Rhode Island Hospital
- Reid Coleman, M.D.**, Clinical Associate Professor, Miriam Hospital
- Joyce Coppola, M.D.**, Clinical Assistant Professor, Memorial Hospital of Rhode Island
- Frederick Crisafulli, M.D.**, Clinical Associate Professor, Miriam Hospital
- Wilfred A. Curioso, M.D.**, Clinical Assistant Professor, Veterans Affairs Medical Center
- Anne Cushing-Brescia, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Kwame Dapaah-Afriyie, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Allen Dennison, M.D.**, Clinical Assistant Professor, Rhode Island Hospital
- Hector Derreza, M.D.**, Clinical Instructor, Miriam Hospital
- Jeffrey Drogin, M.D.**, Clinical Instructor, Rhode Island Hospital
- Yul Ejnes, M.D.**, Clinical Associate Professor, Rhode Island Hospital
- Peter M. Eller, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Elaine B.Fain, M.D.**, Clinical Instructor, Miriam Hospital
- Walid Farah, M.D.**, Clinical Instructor, Rhode Island Hospital
- Michael Felder, DO**, Clinical Assistant Professor, Rhode Island Hospital
- Bruce E. Fischer, M.D.**, Clinical Instructor, Rhode Island Hospital
- David Fried, M.D.**, Clinical Assistant Professor, Rhode Island Hospital
- Denise Glickman, M.D.**, Clinical Assistant Professor, Rhode Island Hospital
- Amy S. Gottlieb, M.D.**, Assistant Professor of Medicine & ObGyn(Clinical), Women & Infants Hospital
- Walter Goula, M.D.**, Clinical Instructor, Miriam Hospital
- Nicholas Grumbach, M.D.**, Clinical Assistant Professor, Rhode Island Hospital
- Geoffrey Hamilton, M.D.**, Clinical Assistant Professor, Rhode Island Hospital
- Sajeev Handa, M.D.**, Clinical Instructor, Rhode Island Hospital
- Pamela Harrop, M.D.**, Clinical Assistant Professor, Rhode Island Hospital
- Christine Herbert, M.D., Ph.D.**, Clinical Assistant Professor, Miriam Hospital
- Guang Hu, M.D.**, Clinical Assistant Professor, Veterans Affairs Medical Center
- S. Iftikhar Hussain, M.D.**, Clinical Instructor, Miriam Hospital
- Sadia Iftikhar, M.D.**, Clinical Assistant Professor, Memorial Hospital of Rhode Island
- Mark Jacobs, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Thomas Jamieson, M.D., JD**, Clinical Assistant Professor, Veterans Affairs Medical Center
- Thomas Jean, M.D.**, Clinical Instructor, Veterans Affairs Medical Center
- Steven Kempner, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Razib Khaund, M.D.**, Clinical Assistant Professor, Miriam Hospital
- William Kirkpatrick, LICSW**, Senior Teaching Associate, Rhode Island Hospital
- David Kitzes, M.D.**, Clinical Associate Professor, Miriam Hospital
- Nancy T. Littell, M.D., M.P.H.**, Clinical Assistant Professor, Rhode Island Hospital
- Vito Longobardi, M.D.**, Clinical Instructor, Memorial Hospital of Rhode Island
- Michael Macko, M.D.**, Clinical Associate Professor, Roger Williams Medical Center

- Samir Makarious, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Tariq Malik, M.D., M.P.H.**, Clinical Assistant Professor, Veterans Affairs Medical Center
- Fadi Mansourati, M.D.**, Clinical Assistant Professor, Memorial Hospital of Rhode Island
- Vincent Marcaccio, M.D.**, Clinical Instructor, Roger Williams Medical Center
- David A. Marcoux, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Carla Martin, M.D.**, Clinical Assistant Professor, Memorial Hospital of Rhode Island
- Edward Martin, M.D.**, Clinical Associate Professor, Roger Williams Medical Center
- Steven G. McCloy, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Niharika Mehta, M.D.**, Assistant Professor (Clinical), Women & Infants Hospital
- Jacqueline Michaud, M.D.**, Clinical Instructor, Rhode Island Hospital
- John Miskovsky, M.D.**, Clinical Assistant Professor, Memorial Hospital of Rhode Island
- Rossana Moura, M.D.**, Clinical Assistant Professor, Women & Infants Hospital
- Mariana Murea, M.D.**, Clinical Instructor, Rhode Island Hospital
- Paul Murphy, M.D.**, Clinical Assistant Professor, Veterans Affairs Medical Center
- Marwan Mustaklem, M.D.**, Clinical Assistant Professor, Memorial Hospital of Rhode Island
- Lina Nemchenok, M.D.**, Clinical Instructor, Rhode Island Hospital
- Michael O'Connell Jr., M.D.**, Clinical Instructor, Veterans Affairs Medical Center
- Jessica L. Outwater, M.D.**, Clinical Assistant Professor, Veterans Affairs Medical Center
- Joel Park II, M.D., Ph.D.**, Clinical Instructor, Rhode Island Hospital
- Vincent Pera, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Jose Polanco, M.D.**, Clinical Assistant Professor, Memorial Hospital of Rhode Island
- Jose Poleo, M.D.**, Clinical Instructor, Rhode Island Hospital
- Roy Poses, M.D.**, Clinical Associate Professor, Memorial Hospital of Rhode Island
- Anthony R. Ricci, M.D.**, Clinical Instructor, Kent County Memorial Hospital
- Richard J. Ruggieri, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Lorna Russell, M.D.**, Clinical Instructor, Veterans Affairs Medical Center
- Larry Schoenfeld, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Howard Schulman, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Ronald Schwartz, M.D.**, Clinical Assistant Professor, Memorial Hospital of Rhode Island
- Stephen Scott, M.D.**, Clinical Assistant Professor, Rhode Island Hospital
- Kurush Setna, M.D.**, Clinical Instructor, Memorial Hospital of Rhode Island
- Russell Settipane, M.D.**, Clinical Associate Professor, Rhode Island Hospital
- Parviz Shavandy, M.D.**, Clinical Instructor, Veterans Affairs Medical Center
- Michael S. Siclari, M.D.**, Clinical Assistant Professor, Roger Williams Medical Center
- Jean Smith, M.D.**, Clinical Instructor, Miriam Hospital
- W. Tyler Smith Jr., M.D.**, Clinical Instructor, Rhode Island Hospital
- Lynn Sommerville, M.D., Ph.D.**, Clinical Assistant Professor, Miriam Hospital
- John Stoukides, M.D.**, Clinical Assistant Professor, Roger Williams Medical Center
- Iris Tong, M.D.**, Assistant Professor (Clinical), Women & Infants Hospital
- Flora Treger, M.D.**, Clinical Instructor, Rhode Island Hospital
- Caroline Troise, M.D., Ph.D.**, Clinical Assistant Professor, Miriam Hospital
- Philip Vaidyan, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Sreekala Vasudevan, M.D.**, Clinical Instructor, Rhode Island Hospital
- Todd Viccione, M.D.**, Clinical Instructor, Rhode Island Hospital
- Shuo Wang, M.D.**, Clinical Instructor, Rhode Island Hospital
- Barbara Weil, M.D.**, Clinical Assistant Professor, Veterans Affairs Medical Center
- Lewis R. Weiner, M.D.**, Clinical Assistant Professor, Rhode Island Hospital

Jiaying Wen, M.D., Clinical Instructor, Memorial Hospital of Rhode Island

Edward Wheeler, M.D., Clinical Assistant Professor, Rhode Island Hospital

Karen L. Woolfall-Quinn, M.D., Clinical Assistant Professor, Veterans Affairs Medical Center

Madhavi Yerneni, M.D., Clinical Instructor, Miriam Hospital

Najam Zaidi, M.D., Assistant Professor (Clinical), Memorial Hospital of Rhode Island

NATIONAL AND INTERNATIONAL RECOGNITION OF FACULTY

Michele G Cyr, M.D., FACP

HONORS

- Brown University/Women and Infants Hospital National Center of Excellence in Women's Health – Outstanding Faculty Mentor Award
- American College of Physicians – National Regent, 2006–2009
- Listed in Best Doctors in America – a database representing the top 5% of doctors in over 400 subspecialties of medicine, 2005, 2006 and 2007

INVITED PRESENTATIONS

- American College of Physicians – Workshop Co-Director: Getting Through the Match Annual Session 2006 Philadelphia, Pa April 2006
- American College of Physicians - Workshop Co-Director: Getting through the Match Annual Session 2007 San Diego, Ca April 2007
- Bowdoin College – Panelist: Bowdoin Women in Business Convention Brunswick, Me March 2007
- Radio Station 93.3 – Keynote Speaker: Vital Recharge Providence, RI October 2005
- Brown University/Women and Infants Hospital National Center of Excellence in Women's Health – Co-Presenter: Menopause “Enjoying” a New Phase of Life, Warwick, RI May 2006

Joseph A. Diaz, M.D.

INVITED PRESENTATIONS

- Diaz JA, Gramling RE, Roberts MB. Association between Colorectal Cancer Worry and Decision Stage for Screening. Society of General Internal Medicine Annual Meeting, Los Angeles, CA, April 2006.
- Diaz JA, Goldman RE. Stigma and Misperceptions: Risk Perceptions and Barriers to Colorectal Cancer Screening Among Dominicans and Puerto Ricans.

Society of General Internal Medicine Annual Meeting, Toronto, Canada, April 2007

Mark J. Fagan, M.D. FACP

HONORS

- Recipient of the Ruth-Marie E. Fincher, M.D. Service Award
- Clerkship Directors in Internal Medicine (CDIM) July 2006.

Peter D. Friedmann, M.D., MPH

HONORS

- President-elect, Association for Medical Education and Research in Substance Abuse (AMERSA)

INVITED PRESENTATIONS

- “Shaping Behavior Among Drug-Involved Parolees: The Step'n Out Study of CJ-DATS.” International Academy of Law and Mental Health Preconference The Science of Addiction: Policy Implications. Université René Descartes, Paris France, July 3, 2005.
- “Medical Needs of Drug-Involved Offenders.” Symposium, Drug Abuse Treatment within the Criminal Justice System: Addressing our Nation's Public Health Needs. American Psychiatric Association Annual Meeting San Diego, CA, May 23, 2007.

Carol Landau, Ph.D.

INVITED PRESENTATIONS

- Invited speaker with Kelly A. McGarry, M.D.. “Wellness 101: How to take care of your patients and yourself.” Sponsored by the Office of Graduate Medical Education. The Warren Alpert Medical School of Brown University Providence, RI, April 11, 2007.
- Workshop leader. “Managing Stress, Managing Your Life During Residency.” Sponsored by the Department of Emergency Medicine Wellness Retreat, The Warren Alpert Medical School of Brown University, Bristol, RI, June 6, 2007.

Kelly A. McGarry, M.D.

HONORS

- Listed in Strathmore's Who's Who – A publication recognizing men and women who have achieved success in their respective fields, 2005.
- Listed in Best Doctors in America – a database representing the top 5% of doctors in over 400 subspecialties of medicine, 2006 and 2007

INVITED PRESENTATIONS

- Workshop leader with Michele G. Cyr, M.D. and Dominick Tammaro, M.D., “Getting Through the Match.” American College of Physicians – American

Society of Internal Medicine 2006 Annual Session, New Orleans, LA. April 7, 2006.

- ▶ Workshop leader with Michele G. Cyr, and Dominick Tammaro, M.D., “Getting Through the Match.” American College of Physicians – American Society of Internal Medicine 2007 Annual Session, April 20, 2007.

Jennifer Rose, Ph.D.

INVITED PRESENTATIONS

- ▶ “A latent class typology of young women smokers” at Wesleyan University Department of Psychology colloquium series, Middletown, CT

Mark D. Schleinitz, M.D., MS

INVITED PRESENTATIONS

- ▶ Symposium Chair, 27th Annual Meeting, Society for Medical Decision Making, San Francisco, CA. October 2005.

Michael Stein, M.D.

HONORS

- ▶ AMERSA’s Excellence in Mentorship Award
- ▶ Associate Editor, Journal of Addictive Diseases

INVITED PRESENTATIONS

- ▶ Featured speaker, National Institute on Drug Abuse conference on Drug Abuse & Risky Behaviors: The Evolving Dynamics of HIV/AIDS, Bethesda, M.D.

Dominick Tammaro, M.D.

HONORS AND AWARDS

- ▶ Rhode Island Chapter of the American College of Physicians Governor’s Award, May 2006

INVITED PRESENTATIONS

- ▶ Morning Report: Fourteen Simultaneous Sessions, Association of Program Directors in Internal Medicine, Philadelphia, PA, Overall Workshop Director/Small Group Facilitator, April 3, 2006
- ▶ Morning Report: Fourteen Simultaneous Sessions, Association of Program Directors in Internal Medicine, San Diego, CA, Overall Workshop Director/Small Group Facilitator, April 17, 2007
- ▶ Mastering the Match, ACP American College of Physicians Annual Sessions, Philadelphia, PA, Co-Presenter, April 7, 2006
- ▶ Mastering the Match, ACP American College of Physicians Annual Sessions, San Diego, CA, Co-Presenter, April 21, 2007.

Edward H. Wu, M.D., MS

INVITED PRESENTATIONS

- ▶ “Procedural and Interpretive Skills of Medical Students: Experiences and Attitudes of Third-Year Students.” Wu EH, Elnicki DM, Alper EJ, et al. Research Paper, Association of American Medical Colleges (AAMC) Annual Meeting, Research in Medical Education (RIME) Conference, Seattle, WA, October 29, 2006
- ▶ “What to Learn and How to Learn in Residency.” Visiting Scholar, Muribushi Project for Okinawa Residency Programs, Okinawa, Japan, January 30, 2006

RESEARCH AND OTHER SCHOLARLY ACTIVITIES

Michele G Cyr, M.D., FACP

- ▶ Co-PI, Women’s Health Initiative Vanguard Center, Memorial Hospital of Rhode Island of Rhode Island, 2001 – present
- ▶ PI, National Cancer Institute of Canada (NCIC), “A Randomized Study of the Effect of Exemestane vs. Placebo on Breast Density in Postmenopausal Women at Increased Risk for Development of Breast Cancer”, Years: 2003-
- ▶ Leadership Director for the Brown University/ Women & Infants Hospital National Center of Excellence in Women’s Health , Department of Health and Human Services “National Centers of Excellence in Women’s Health”, Years: 2003–2007
- ▶ PI, National Cancer Institute of Canada (NCIC), NCIC CTG Protocol Number: MAP.3, “A Phase III Randomized Study of Exemestane Plus Placebo Versus Exemestane Plus Celecoxib Versus Placebo in Postmenopausal Women at Increased Risk of Developing Breast Cancer”, Years: 2004-current

Joseph A. Diaz, M.D.

- ▶ Colorectal Cancer Decision Aids in Primary Care, Grant # 1K07CA106780, NCI/DHHS, 5/2/06 – 4/30/11.

Christine Duffy, M.D., MPH

- ▶ Oral Presentation, “Health Care Experiences of Long-Term Breast Cancer Survivors”. SGIM National Meeting, Toronto Canada 2007
- ▶ Poster, “Alcohol and folate intake and risk of ovarian cancer in premenopausal women”. SGIM National Meeting, Toronto Canada 2007
- ▶ Poster, “ Long-term breast cancer survivors report need for psychosocial support and referral from their medical providers”. APOS National Meeting, Austin, TX 2007

Mark J Fagan, M.D.

- Lifespan Risk Management Grant Recipient: Improving Chronic Pain Management in the Medical Primary Care Unit.

Peter D. Friedmann, M.D., MPH

- Lead investigator, Criminal Justice Drug Abuse Treatment Studies (CJ-DATS) of the National Institute on Drug Abuse Protocol: “Step’n Out: A Randomized Trial of Collaborative Behavioral Management for Drug-Involved Parolees.”
- NIH Initial Review Group, Drug Abuse Health Services Research Subcommittee (NIDA-F). 2004–07.
- Associate Editor, *Alcohol and Health: Current Evidence*. 2003–2007.
- Associate Editor, *Alcohol, Other Drugs and Health: Current Evidence*. 2007–2013.

Michael J. Maher M.D.

- In-house Grant for evaluation of management of chronic pain with opiates 2007

Kelly A. McGarry, M.D.

Editor with Iris Tong, M.D.. *The 5-Minute Consult: Clinical Companion to Women’s Health*, Philadelphia, PA, Lippincott Williams & Wilkins, 2007.

Paul A. Pirraglia, M.D.

- Co-Chair, Scientific Abstract Review Committee, SGIM NE Regional Meeting, 2007
- Moderator, Scientific Abstract Oral Presentations, SGIM NE Regional Meeting, March 23, 2007
- Abstract Reviewer, SGIM National Meetings, 2005–2007
- Abstract Reviewer, SGIM NE Regional Meetings, 2005–2007
- VA Health Services Research & Development Career Development Award, \$462,206, 2005–2008
- RI Foundation Grant, \$5,110, 2006

Joseph S. Rabatin, M.D.

- Reviewer for *Journal of General Internal Medicine*

Susan Ramsey, Ph.D.

- Overseas External Ph.D. Thesis Reviewer, University of Otago, Dunedin, New Zealand, 2006.

Jennifer S. Rose, Ph.D.

- Ad hoc reviewer for NIH study section: Behavioral Genetics and Epidemiology

Cynthia Rosengard, Ph.D., MPH

- Abstract Review Committee, Society for Adolescent Medicine (SAM)

- Membership Committee, Psychologists Affirming Their GLBT Family (AFFIRM)

Mark D. Schleinitz, M.D., MS

- Study section: Agency for Healthcare Research and Quality, Evidence Based Practice Center III contracts, Rockville, M.D.. June 2007.

Michael Stein, M.D.

- NIH Study Section Member AA3 – National Institute on Alcohol Abuse and Alcoholism
- National Advisory Board, Special Program of National Significance (SPNS): Buprenorphine and HIV

TEACHING ACTIVITIES**Michele G Cyr, M.D., FACP**

MAJOR TEACHING RESPONSIBILITIES

- Brown Medical School Graduate Medical Education Committee
- Lifespan Graduate Medical Education Committee
- Memorial Hospital of RI Graduate Medical Education Committee
- Associate Dean of Graduate Medical Education and Women in Medicine, Brown University’s Warren Alpert Medical School

Michelle Stozek Anvar, M.D.

EDUCATIONAL HONORS

- Dean’s Teaching Excellence Award, 2006
- Teaching Recognition Award, 2006

Joseph Diaz, M.D.

MAJOR TEACHING RESPONSIBILITIES

- Site Director, Internal Medicine Clerkship, Memorial Hospital of Rhode Island / Brown Medical School October 2001–March 2007
- Co-Coordinator, Objective Structured Clinical Exam for third-year core clerkship in internal medicine, Brown Medical School October 2001–March 2007
- Co-Coordinator, Dominican Republic Medical Exchange, Clinical Program, Department of Medicine, Brown Medical School October 2004–present

Mark J. Fagan, M.D.

MAJOR TEACHING RESPONSIBILITIES

- Clerkship Director, Core Clerkship in Medicine, Brown Medical School.
- Medical School Curriculum Committee and Basic Clinical Skills Committee.
- Director, Medical Primary Care Unit (MPCU)

- ▶ Co-coordinator, Dominican Republic Medical Exchange Clinical Program,
- ✕ Department of Medicine, Brown Medical School, October 2004–present.
- ▶ Chair, Dean's Teaching Excellence Working Group, 2006–present

Jennifer Jeremiah, M.D.

MAJOR TEACHING RESPONSIBILITIES

- ▶ Associate Program Director, Internal Medicine residencies
- ▶ Director, Community Based Education/Second Site Program
- ▶ Co-leader weekly intern conference

Carol Landau, Ph.D.

MAJOR TEACHING RESPONSIBILITIES

Co-Director, Behavioral Science Curriculum, General Internal Medicine Residency

Michael J Maher M.D.

EDUCATIONAL HONORS

- ▶ General Internal Medicine Residents' Teacher of the Year Award: 2007
- ▶ Brown University Dean's Teaching Award 2005, 2006
- ▶ Brown Medical School Excellence in Teaching Award 2006

Kelly A. McGarry, M.D.

EDUCATIONAL HONORS

- ▶ Faculty Marshal for 2006 Commencement, The Warren Alpert Medical School of Brown University, May 28, 2006.
- ▶ Faculty Teaching Award, The Warren Alpert Medical School of Brown University, Class of 2006.
- ▶ Women of Achievement Award: Education – sponsored by YWCA of Northern
- ▶ Rhode Island Tools of the Trade Luncheon, honoring Women of Achievement in
- ▶ Health Care, September 21, 2006.

MAJOR TEACHING RESPONSIBILITIES

- ▶ Program Director, General Internal Medicine Residency
- ▶ Subinternship Coordinator, The Warren Alpert Medical School of Brown University
- ▶ ACGME Core Competency Retreat, Program Coordinator and Speaker
- ▶ The Warren Alpert Medical School of Brown University Graduate Medical Education Committee
- ▶ Director, Center of Excellence, Education Component
- ▶ Member, Medical Faculty Executive Committee

Anne Moulton, M.D.

MAJOR TEACHING RESPONSIBILITIES

- ▶ Co-Director, Department of Medicine Residents Research Program

Joseph S. Rabatin, M.D.

MAJOR TEACHING RESPONSIBILITIES

- ▶ Clerkship Director Brown Medical School Internal Medicine Memorial Hospital 2006–present
- ▶ Associate Program Director Internal Medicine Residency Program Memorial Hospital of RI 2006–present
- ▶ Seminar Leader Doctoring 360 Course Brown Medical School 2006–present
- ▶ Seminar Leader Doctoring 361 Course Brown Medical School 2006–present

Susan Ramsey, Ph.D.

MAJOR TEACHING RESPONSIBILITIES

- ▶ Adult Track Seminar Series Coordinator, Brown University Medical School Psychology Internship Program.

Jennifer Rose, PhD

EDUCATIONAL HONORS

- ▶ Williams Visiting Assistant Professor for 2006–2007 academic year, Department of Psychology, Wesleyan University, Middletown, CT.

Cynthia Rosengard, Ph.D., MPH

MAJOR TEACHING RESPONSIBILITIES

- ▶ Coordinator, Writing Seminar for Post-Doctoral Fellows in Psychiatry and Human Behavior within General Internal Medicine Research Unit

Benjamin Sapers, M.D.

EDUCATIONAL HONORS

- ▶ Dean's Teaching Excellence Award, Brown University 2005
- ▶ Department of Medicine Chairman's Award, Brown University Medical School, 2005
- ▶ Brown Medical School Department of Medicine 2006 Attending Teaching Award

Mark D. Schleinitz, M.D., MS

MAJOR TEACHING RESPONSIBILITIES

- ▶ Director: Introduction to Meta Analysis. Seven part course on performing systematic reviews offered to junior faculty funded by WRHR and BIRCIWH mechanisms. Feb. – Apr. 2006.

Catherine Malone Smitas, M.D.

EDUCATIONAL HONORS

- ▶ Dean's Teaching Excellence Award, 2006 The Alpert Medical School of Brown University

Dominick Tamaro, M.D.

EDUCATIONAL HONORS AND AWARDS

- ▶ Brown Medical School Faculty Appreciation Award, Providence, RI, 2006
- ▶ Beckwith Family Award for Outstanding Teaching, Warren Alpert Medical School of Brown University, Providence, RI, May 2007

MAJOR TEACHING RESPONSIBILITIES

- ▶ ACGME Core Competency Retreat, Program Coordinator & Speaker
- ▶ Associate Director, Categorical and Preliminary Internal Medicine Residency Programs
- ▶ Co-Director, Combined Internal Medicine and Pediatrics Residency Program

SELECTED PUBLICATIONS**Michele G Cyr, M.D., FACP**

- ▶ Curb JD, Prentice RL, Bray PF, Langer RD, Van Horn L, Barnabei VM, Bloch MJ, Cyr MG, Gass M, Lepine L, Rodabough RJ, Sidney S, Uwaifo GI, Rosendaal FR. Venous Thrombosis and Conjugated Equine Estrogen in Women Without a Uterus. *Arch Intern Med* 2006; 166(7): 772–780.
- ▶ Col NA, Duffy C, Cyr MG. The pitfalls of non-evidence-based guidelines. *Menopause* 2006; 13(3): 334–337

Kristin Lehr Anderson, M.D.

- ▶ Anderson, K. Pediatric Advocates in the Northeast: Young Doctors Club Offers Mentors, Role Models. *American Academy of Pediatrics Resident Report*. Volume 16/Number 2. Fall 2006.

Jennifer G. Clarke, M.D.

- ▶ Clarke JG, Rosengard C, Rose J, Hebert MR, Phipps MG, Stein M.D.. Pregnancy Attitudes and Contraceptive Plans Among Women Entering Jail. *Women & Health*. 2006; 43(2): 111–130.
- × Jennifer G. Clarke, M.D., MPH, Maureen Phipps, M.D., MPH, Jennifer Rose, PhD, Megan Hebert, MA, Cynthia Rosengard, PhD, MPH, Moira Ray, BS, and Michael D. Stein, M.D. “Follow-Up of Abnormal Pap Smears Among Incarcerated Women” *Journal of Correctional Health Care* 2007; 13(1) 22–26.
- ▶ Allsworth JE, Clarke J, Peipert J, Hebert MR, Cooper A, & Boardman LA. “The Influence of Stress on the Menstrual Cycle among Newly Incarcerated Women”. *Women’s Health Issues*. 2007 17:202–209.
- ▶ Raj A, Rose J, Decker MR, Rosengard C, Hebert M, Stein M, Clarke JG. (accepted) Prevalence and

Patterns of Sexual Assault Across the Lifespan Among Incarcerated Women. *Violence Against Women*.

Joseph A. Diaz, M.D.

- ▶ Blanch DC, Sciamanna CN, Lawless HK, Diaz JA. Effect of the Internet on the Doctor-Patient Relationship: A Review of the Literature. *JHIM*. 2005;3(3):179–201.
- ▶ Chen JT, Fagan, MJ, Diaz JA, Reinert SE, Stein M.D.. Is Treating Chronic Pain Torture? Internal Medicine Residents’ Experience with Patients with Chronic Nonmalignant Pain. *Teaching and Learning in Medicine*. 2007; 19(2):101–5. PMID: 17564536
- ▶ Diaz, JA, Sciamanna CN, Stamp MJ, Evangelou E, Ferguson T. What Types of Internet Guidance Do Patients Want from Their Physicians? *Journal of General Internal Medicine*. 2005; 20:683–685. PMID: 16050874
- ▶ Fagan MJ, Lucerno ML, Wu EH, Diaz JA, Reinert SE. Attitudes Toward the Physical Examination: A Comparison of U.S. and Dominican Medical Students. *Teach Learn Med*. 2006 Fall;18(4)287–91. PMID: 17144831

Christine Duffy, M.D., MPH

- ▶ Duffy CM, Allen SM, Clarke MA. Discussions regarding reproductive health for young women with breast cancer undergoing chemotherapy. *J Clin Oncol*. 2005; 23: 766–773.
- ▶ Col N, Duffy CM, Landau C. Surgical decisions after breast cancer: can patients be too involved in decision making? *Health Serv Res*. 2005 Jun;40(3):769–79.
- ▶ Duffy CM, Clark MA, Allsworth J. Health maintenance and screening among breast cancer survivors in the US. *Cancer Detection and Prevention* 2006;30:52–57.
- ▶ Mancuso CA, Sayles W, Robbins L, Phillips EG, Ravenell K, Duffy C, Wenderoth S, Charlson ME. Barriers and facilitators to healthy physical activity in asthma patients. *J Asthma* 2006;43:137–143.
- ▶ Col N, Duffy C, Cyr M. The pitfalls of non-evidence-based medicine. *Menopause*. 2006 May–June 13(3):334–7.

Mark J. Fagan, M.D.

- ▶ Dube’ CE, Fuller, BK, Rosen RK, Fagan MJ, O’Donnell J. Men’s Experiences of Physical Exams and Cancer Screening tests: A Qualitative Study. *Prev Med*. 2005 (40):628–635.
- ▶ Ogdgen PE, Wu E, Elnicki M, Battistone MJ, Clearly LM, Fagan MJ. Do Attending Physicians, Nurses, Residents, and Medical Students Agree on what Constitutes Medical Student Abuse? *Acad Med*. 2005;80(10suppl):S80–S83.
- ▶ Kaplowitz RA, Fagan, MJ, Sesso HD, Gaziano JM. Psychiatric Disease and Hypercholesterolemia in an

urban Academic Primary Care Clinic. Primary Care Companion. *J Clin Psychiatry*. 2006;8(2):77–81.

- ▶ Fagan MJ, Lucero ML, Wu EH, Diaz JA, Reinert SE. Attitudes Toward the Physical Examination: A Comparison of U.S. and Dominican Medical Students. *Teach Learn Med*. 2006;18(4):287–291.
- ▶ Wu EH, Elnicki DM, Alper EJ, Bost, JE, Corbett EC, Fagan, MJ et al. Procedural and Interpretive Skills of Medical Students: Experiences and Attitudes of Third-Year Students. *Acad Med*, 2006, 81 (10 suppl): 51–54.

Peter D. Friedmann, M.D., MPH

- ▶ Friedmann PD, Alexander JA, Yey Y, Nahra T, Soliman S, Pollack H. Duration of outpatient nonmethadone treatment::results from a national survey. *Substance Abuse*. 2006; 27(3) 45–51
- ▶ Friedmann PD, Hendrickson J, Gerstein D, Zhang Z, Stein M.D.. Do mechanisms that link addiction treatment patients to primary care influence subsequent utilization of emergency and hospital care? *Med Care*. 2006: 44(1):8–15.
- ▶ Friedmann PD, Rose J, Hayaki J, Ramsey S, Charuvastra A, Dubé C, Herman D, Stein M.D.. Training primary care clinicians in maintenance care for moderated alcohol use. *J Gen Intern Med*. 2006; 21:1269–1275.
- ▶ Friedmann, PD, Taxman FS, Henderson CE. Evidence-based treatment practices for drug-involved adults in the criminal justice system. *J Subst Abuse Treat*. 2007;32:267–77.

Debra Herman, Ph.D.

- ▶ Rose, J.S, Herman, D.S., Hagerty, C., Phipps, M. G., Peipert, J. E., & Stein, M.D. (2007). Marijuana use among young women in a primary care setting. *Journal of General Internal Medicine*, 22, 826–829.
- ▶ Stein, M., Dubyak, P., Herman, D., Anderson, B. (in press). Perceived Barriers to Safe-Injection Practices Among Drug Injectors Who Remain HCV-Negative.
- ▶ Stein, M., Solomon, D., Anderson, B., Herman, D., Anthony, J., Brown, R.A., Ramsey, S., & Miller, I. Persistence of antidepressant treatment effects in a pharmacotherapy plus psychotherapy trial for active injection drug users. *Am J Addict*. 2006;14:346–357.
- ▶ Stein M.D., Weinstock MC, Herman DS, Anderson BJ, Anthony JL, Niaura R. A smoking cessation intervention for the methadone maintained. *Addiction*. 2006;101:599–607.

Carol Landau, Ph.D.

- ▶ Col NF, Duffy C, Landau C. Commentary – Surgical decisions after breast cancer: Can patients be too involved decision making? *Health Services Research* 2005;40(3):769–780.

Kelly A. McGarry, M.D.

- ▶ Col N, Bowlby L, McGarry KA. The role of menopausal hormone therapy in preventing osteoporotic fractures: a critical review of the clinical evidence. *Minerva Med* 2005;96(5):331–42.
- ▶ McGarry KA, Hebert MR. Caring for your lesbian patients. *Medicine & Health RI* 2006;89(6):198–201.

Paul A. Pirraglia, M.D.

- ▶ Stein M, Herman DS, Trisvan E, Pirraglia P, Engler P, Anderson BJ. Alcohol use and sexual risk behavior among human immunodeficiency virus-positive persons. *Alcoholism: Clinical & Experimental Research*, 29(5):837–843, 2005.
- ▶ Pirraglia PA, Bishop D, Herman D, Trisvan E, Lopez RA, Torgersen CS, Van Hof AM, Anderson BJ, Miller I, Stein M.D.. Caregiver burden and depression among informal caregivers of HIV-infected individuals. *Journal of General Internal Medicine*, 20(6):510–514, 2005.
- ▶ Pirraglia PA, Charbonneau A, Kader B, Berlowitz DR. Adequate initial antidepressant treatment among chronic obstructive pulmonary disease patients in a cohort of depressed veterans. The Primary Care Companion to the *Journal of Clinical Psychiatry* 8(2):71–76, 2006.
- ▶ Witt WP, Fortuna, L, Wu E, Kahn RS, Winickoff JP, Pirraglia PA, Ferris TG, Kuhlthau K. Children’s use of motor vehicle restraints: maternal psychological distress, maternal motor vehicle restraint practices, and sociodemographics. *Ambulatory Pediatrics* 6(3): 145–151, 2006.
- ▶ Engler P, Anderson B, Herman D, Bishop D, Miller I, Pirraglia P, Hayaki J, Stein M. Coping and burden among informal HIV caregivers. *Psychosomatic Medicine* 68(6):985–92, 2006.

Joseph S. Rabatin, M.D.

- ▶ Sanchez, NF, Rabatin J, Sanchez, JP, Hubbard, S, Kalet, A. “Medical students’ ability to care for lesbian, gay, bisexual and transgendered patients.” *Family Medicine* 2006;38(1): 21–7.

Susan Ramsey, Ph.D.

- ▶ Ramsey, S.E., Engler, P.A., & Stein, M.D. (2005). Alcohol use among depressed patients: The need for assessment and intervention. *Professional Psychology: Research and Practice*, 36(2), 203–207.

- Ramsey, S.E., Brown, R.A., Strong, D.R., Stuart, G.L., & Weinstock, M.C. (2005). Cigarette smoking and substance use among adolescents in psychiatric treatment. *Journal of Child and Adolescent Substance Abuse*, 14(4), 1–13.
- Ramsey, S.E., Engler, P.A., & Stein, M.D. (in press). Addressing HIV risk behavior among pregnant drug abusers: An overview. *Professional Psychology: Research and Practice*.

Jennifer S. Rose, Ph.D.

- Rose, J.S., Herman, D.S., Hagerty, C., Phipps, M. G., Peipert, J. F., & Stein, M.D. Marijuana use among young women in a primary care setting. *Journal of General Internal Medicine* 2007; 22: 826–829.
- Chassin, L., Presson, C.C., Rose, J.S., & Sherman, S.J. What is addiction? Age-related differences in the meaning of addiction. *Drug and Alcohol Dependence* 2007; 87: 30–38.
- Friedmann, P.D., Rose, J.S., Hayaki, J., Ramsey, S., Charuvastra, A., Dube, C., Herman, D., & Stein, M.D. Training primary care clinicians in maintenance care for moderated alcohol use. *Journal of General Internal Medicine* 2006; 21: 1269–1275.

Cynthia Rosengard, Ph.D., MPH

- Rosengard, C., Adler, N. E., Gurvey, J. E., & Ellen, J. M. (2005) Adolescent partner type experience: Psychosocial and behavioral differences. *Perspectives on Sexual & Reproductive Health*, 37(3), 141–147.
- Rosengard, C., Phipps, M.G., Adler, N. E., & Ellen, J. M. (2005). Psychosocial correlates of adolescent males' pregnancy intention. *Pediatrics*, 116, e414 – e419. (www.pediatrics.org/cgi/doi/10.1542/peds.2005-0130).
- Rosengard, C., Pollack, L., Weitzen, S., Meers, A., & Phipps, M.G. (2006). Concepts of the advantages and disadvantages of teenage childbearing among pregnant adolescents: A qualitative analysis. *Pediatrics*, 118, 503–510.
- Rosengard, C., Stein, L. A. R., Barnett, N. P., Monti, P. M., Golembeske, C., & Leabeau-Craven, R. (2006). Co-Occurring sexual risk and substance use behaviors among incarcerated adolescents. *Journal of Correctional Health Care*, 12(4), 279–287.
- Rosengard, C., Anderson, B. A., & Stein, M. D. (2006). Correlates of condom use and reasons for condom non-use among drug users. *The American Journal of Drug and Alcohol Abuse*, 32(4), 637–644.

Mark D. Schleinitz, M.D., MS

- Schleinitz, M.D. The cost-effectiveness of clopidogrel: a review by indication. 2006. *Expert Rev Pharmacoeconomics Outcomes Res.* 6(2):123–130.
- Schleinitz, M.D., DePalo, D., Blume, J. and Stein, M. Can differences in breast cancer utilities explain disparities in breast cancer care? 2006. *J Gen Intern Med.* 21(12):1253–1260.
- Taveira, T., Wu, W.C., Martin, O.J., Schleinitz, M.D., Friedman, P. and Sharma, S.C. Pharmacist-led cardiac risk reduction model. 2006. *Prev Cardiol.* 9(4):202–208.

Michael Stein, M.D.

- Stein M.D., Herman DS, Trisvan E, Pirraglia P, Engler P, Anderson B. Alcohol use and sexual risk among immunodeficiency virus-positive persons. *Alc Clin Exp Res* 2005;29(5):837–843
- Stein M.D., Weinstock MC, Herman DS, Anderson BJ. Respiratory symptom relief Related to reduction in cigarette use. *JGIM* 2005; 20:889–894.
- Stein, M.D., Cioe P, Friedmann, PD. Buprenorphine retention in primary care. *JGIM.* 2005; 20:1038–1041.
- Stein, M.D., Weinstock MC, Herman DS, Anderson BJ, Anthony JL, Niaura R. A smoking cessation intervention for the methadone maintained. *Addiction.* 2006; 101:599–607.
- Stein, M.D., Anderson BJ, Niaura R. Smoking cessation patterns in methadone-maintained smokers. *Nic Tob Res* 2007;9:1–8.

Edward H. Wu, M.D., MS

- Ogden PE, Wu EH, Elnicki DM, et al. “Do Attending Physicians, Nurses, Residents, and Medical Students Agree on What Constitutes Medical Student Abuse?” *Acad Med* 2005; 80(10 suppl.): S80–3.
- Fagan MJ, Lucero ML, Wu EH, et al. “Attitudes Toward the Physical Examination: A Comparison of U.S. and Dominican Medical Students.” *Teach Learn Med.* 2006; 18: 287–91.
- Wu EH, Elnicki DM, Alper EJ, et al. “Procedural and Interpretive Skills of Medical Students: Experiences and Attitudes of Third-Year Students.” *Acad Med* 2006; 81(10 suppl.): S48–51.



RESEARCH		Direct	Indirect	Total
TOTAL BASIC RESEARCH EXPENSES FOR GENERAL INTERNAL MEDICINE	Academic Year 2005 Academic Year 2006	\$0 \$0	\$0 \$0	\$0 \$0
TOTAL CLINICAL RESEARCH EXPENSES FOR INTERNAL MEDICINE	Academic Year 2005 Academic Year 2006	\$3,998,503 \$4,489,232	\$1,269,458 \$1,597,955	\$5,267,961 \$6,087,187

CLINICAL RESEARCH

Jennifer Clarke, M.D.

- Women Leaving Prison: Two Models of Family Planning Service Delivery. Department of Health and Human Services
- Restructuring Risky Relationships - HIV NIDA/Lifespan
- Women in Prison: Decreasing Unplanned Pregnancies & STDs. NIH/National Institute for Child Health and Development

Nanada Col, M.D.

- The John M. Eisenberg Clinical Decisions and Communications Science Center. Oregon Health Sciences University
- A Menopause Interactive Decision Aid System. NIH/Agency for Healthcare Research and Quality
- Effective Brief Behavioral Interventions. NIH/Agency for Healthcare Research and Quality

Michelle Cyr, M.D.

- A Phase III Multicenter, Randomized, Double-Blind, Placebo-Controlled Study of IOGEN for the Treatment of Moderate or Severe Periodic Breast Pain Associated with Symptomatic Fibrocystic Breast Disease in Otherwise Healthy Euthyroid Premenopausal Women. Sybollan Pharmaceuticals, Inc
- A Randomized Study of the Effect of Exemestane (Aromasin) vs. Placebo on Breast Density in Postmenopausal Women at Increased Risk for Development of Breast Cancer. National Cancer Institute

Joseph Diaz, M.D.

- Colorectal Cancer Decisions Aids Primary Care. National Cancer Institute

Christine Duffy, M.D.

- BIRCWH Scholarship-Identifying and Addressing the Primary Care Health Issues of Cancer Survivors. Women & Infants Hospital of Rhode Island/ORWH

Peter Friedmann, M.D.

- Trazodone for Sleep Disturbance in Early Alcohol Recovery. NIH/National Institute of Drug Abuse

- Linkage to Health Services in Drug Abuse Treatment. NIH/National Institute of Drug Abuse
- Continuity of Care for Drug-Addicted Offenders in RI. NIH/National Institute of Drug Abuse
- Integrating Buprenorphine Opioid Treatment with HIV Primary Care. Miriam Hospital
- National Criminal Justice Survey (Analysis of an Existing Criminal Justice Drug and Treatment Services - CJDATS - data set). NIH/National Institute of Drug Abuse
- Drug Abuse Treatment System Survey. NIH/National Institute of Drug Abuse
- Canteen Incentives for Veterans Cessation of Smoking (CIVICS)
- Integrating Buprenorphine Opioid Treatment with HIV Primary Care. Miriam Hospital
- Opiate Replacement Therapy at Release from Incarceration. Miriam Hospital
- CBT For Insomnia. Brown/NIH
- Program to Integrate Psychosocial & Health Services in Chronic Disease & Disability. Department of Veterans Affairs-Health Services R&D

Laura Ofstead, M.D.

- A Menopause Interactive Decision Aid System. NIH/Agency for Healthcare Research and Quality

Paul Pirraglia, M.D.

- Experiences, Perceptions, Needs, and Preferences of COPD Patients Regarding Depression and Anxiety. VA
- Integrating Depression and Anxiety Care into Primary Care Practice: A Qualitative Study. VA
- Assessing Changes in Depressive Symptom Burden among Veterans with Chronic Disease Participating in a Tele-Health Program. VA
- Assessing Depressive and Anxious Symptoms in Veteran Participating in a Pulmonary Rehabilitation Program. VA
- Partners in Dementia Care. VA

Susan Ramsey, Ph.D

- Preventing Depression in MMT Patients on Interferon. National Institute On Drug Abuse

- ▶ Improving Smoking Cessation Outcomes in Heavy Drinkers. Brown/NIH
- ▶ Reducing HIV Among Pregnant Women in Drug Treatment. NIH/National Institute on Drug Abuse
- ▶ Brief Alcohol Intervention with Depressed Patients. National Institute on Alcohol Abuse and Alcoholism
- ▶ Brief Intervention To Reduce Drinking Among Batters. Butler Hospital/NIMH

Cynthia Rosengard, Ph.D.

- ▶ Partner-Specific HIV Risk Reduction For Drug Using Incarcerated Adolescents. NIH/National Institute on Drug Abuse
- ▶ Partner-Specific Factors in Adolescent Sexual Behavior. NIH/National Institute of Mental Health

Mark Schleinitz, M.D.

- ▶ Women and Infants BIRCWH Scholarship Award. NIH/Women and Infants Hospital
- ▶ PRECISION: Prospective Randomized Evaluation of Celecoxib Integrated Safety vs. Ibuprofen Or Naproxen- A Randomized, Double Blind, Parallel-Group of Cardiovascular Safety In Osteoarthritis or Rheumatoid Arthritis Patients With of at High risk for Cardiovascular Disease Comparing Celecoxib With Naproxen and Ibuprofen. INC Research
- ▶ Screening Breast Ultrasound in High-Risk Women. American College of Radiology

H. Denman Scott, M.D.

- ▶ Volunteers in Health Care. Robert Wood Johnson

Michael Stein, M.D.

- ▶ A brief Marijuana Intervention for Adolescent Women. NIH/National Institute on Drug Abuse
- ▶ Antidepressants During Office-based Buprenorphine. NIH/National Institute on Drug Abuse

- ▶ Building Interdisciplinary Research In Women's Health. Women & Infants Hospital
- ▶ Insomnia and Drug Relapse Risk. NIH/National Institute on Drug Abuse
- ▶ Midcareer Investigator Award in Substance Abuse - Research. National Institute of Drug Abuse
- ▶ A Multi, Double-Blind, Randomized Pilot Study to Compare the Safety and Activity. Miriam Hospital
- ▶ Smoking Cessation Amount Methadone Maintained Patients. National Institute of Health
- ▶ A Trial to Reduce Hepatitis C Amount Injection Drug Users. National Institute of Health
- ▶ Midcareer Investigator Award in Substance Abuse - Research. NIH/National Institute on Drug Abuse
- ▶ A Brief Alcohol Intervention for Incarcerated Women. National Institute on Alcohol Abuse and Alcoholism
- ▶ Adult Therapeutic Clinical Trials Program for HIV/AIDS. Miriam Hospital
- ▶ Antidepressant Treatment to Reduce HIV Risk Among IDUs. NIH/National Institute of Mental Health
- ▶ A Study Comparing the Safety and Tolerability of a Tenofovir-Based Expanded PEP Regimen to a Standard Protease Inhibitor-Based PEP Regimen for Subjects with Occupational Exposure to Source Patients with Human Immunodeficiency Virus Infection. Gilead Sciences
- ▶ Antidepressant Treatment. NIH/NIMH
- ▶ HIV Smokers. TMH/NIH

Dominick Tamaro, M.D.

- ▶ Residency Training in General Internal Medicine/ Pediatrics. Bureau of Health Professions, HRSA



Teaching on the General Medicine Wards, Rhode Island Hospital

INTERNAL MEDICINE RESIDENCY PROGRAM AT MEMORIAL HOSPITAL OF RHODE ISLAND

Current Residents 2007-2008

CHIEF RESIDENT

Purva Agarwal	Jawaharlal Nehru Medical College
---------------	----------------------------------

PGY-1

Wesam Ahmed	University, Egypt
Abdulrahman Abdalbaki	University of Damascus, Syria
Ali Al-Alwan	University of Jordan, Jordan
Joseph Bautista	University of the East, Philippines
Indira Konanur	University of North Texas Health
Science Center	Texas College of Osteopathic Medicine, Texas
Syed Naqvi	King Edward Medical College, Pakistan
Aravind Sanjeevaiah	Bangalore Medical College, India
Syeda Sayeed	Dow Medical College, Pakistan
Shachi Tyaqi	Himalayan Institute of Medical Science, India
Omar Zmeili	University of Jordan, Jordan

PGY-2

Saba Asad Fatima	Jinnah Medical College for Women, Pakistan
Jaspreet Dhillon	Government Medical College Patiala, India
Ahmad M Ismail	Jordan University of Science & Technology
Jagan Kothapally	Gandhi Medical College, Hyderabad, India
Ashish Misri	St. Johns Medical College, India
Priya Mital	Maulana Azad Medical College, India
Saed Nemr	Al-Quds University Faculty of Medicine, Jerusalem
Anna Ocasiones	University of Santo Tomas, Philippines
Tarek Rashid	Al-Fateh University School of Medicine, Libya
Ayesha Sheikh	Allama Iqbal Medical College, Pakistan

PGY-3

Hesham Aboshady	University of Cairo
Ma. Theresa Delosreyes	University of Santo Tomas
Rami Sabbah Eltibi	University of Jordan
Amber Gul	Allama Iqbal Medical College
Mohammad Hajjiri	Ain Shams University
Adriana Hosu	Universitatea De Medicina Si Farmacie Carol Davila
Ambreen Ijaz	Fatima Jinnah Medical College For Women
Hoveda Mufti	Baqai Medical & Dental College
Karen Rhee	Chung-Ang University College Of Medicine, South Korea
Omar Saeed	Aga Kahn University
Omeed Sani	University of Szeged Medical
Frederick Troncales	University of Santo Tomas

RHODE ISLAND HOSPITAL / THE MIRIAM HOSPITAL**Current Residents 2007-2008****CHIEF RESIDENTS**

Eric Gartman, M.D.	University of Rochester	Sarah Tsiaras, M.D.	Harvard Medical School
Julie Guilbert Maher, M.D.	University of Massachusetts	Leah Urbaniak Marano, M.D.	Georgetown University
Matthew Quesenberry, M.D.	University of Massachusetts		

GENERAL INTERNAL MEDICINE/PRIMARY CARE**PGY-1**

Lorena Bonilla, M.D.	University of Colorado	Joseph Frank, M.D.	Indiana University
Joanna D'Afflitti, M.D.	SUNY Downstate	Katharine Price, M.D.	University of Rochester
Carey Field, M.D.	Dartmouth Medical College	Shivani Reddy, M.D.	New York University
Laura Flynn, M.D.	Virginia Commonwealth University	Trong Trinh, M.D.	Drexel University

PGY-2

Phillip Chan, M.D.	Univ. of Vermont	Elizabeth Lo, M.D.	Johns Hopkins University
Matthew Dacso, M.D.	Univ. of Texas @ Galveston	Stephanie Mayer, M.D.	Virginia Commonwealth Univ.
Anne Halli, M.D.	Univ. of Alabama	Kate Mavrich, M.D.	Univ. of Pittsburgh
Micaela Hayes, M.D.	Univ. of Connecticut	Alan Pinyavat, M.D.	New York University
Vaani Jegapragasan, M.D.	Howard University	Lyudmila Ryaboy, M.D.	Stony Brook University
Christopher Jones, M.D.	Jefferson Medical College		

PGY-3

Jennifer Agosta, M.D.	Univ. of New Mexico	Carol Touma, M.D.	Univ. of Kentucky
Luis Bent-Shaw, M.D.	Albert Einstein College	Rimini Varghese, M.D.	UM.D.NJ- R. W. Johnson
Kathleen Doyle, M.D.	University of Connecticut	Jennifer Villa, M.D.	Temple University
Chloeane Estrera, M.D.	Univ. of Virginia	Sarita Warriar, M.D.	Univ. of Michigan
Sarah Tapyrik, M.D.	Univ. of Rochester		

Categorical Internal Medicine**PGY-1**

Megan Baumgart, M.D.	Albany Medical College Man	Daniel Markley, M.D.	UM.D.NJ- R. W. Johnson
Chin Chang, M.D.	University of Connecticut	Bryna McConarty, M.D.	University of Massachusetts
Nathan Connell, M.D.	University of Miami	John Mills, M.D.	UM.D.NJ- R. W. Johnson
Samir Dalia, M.D.	Northeastern Ohio Universities	Benjamin O'Donnell, M.D.	Medical University of Ohio
Sarah DeNucci, M.D.	Brown Medical School	Kathryn O'Donnell, M.D.	Temple University
Richard DeSouza, M.D.	University of Massachusetts	Melissa Piech, M.D.	University of Connecticut
Kathleen Eldridge, M.D.	Jefferson Medical College	William Robinson, M.D.	Albany Medical College
Matthew Ethier, M.D.	University of Massachusetts	Aaron Samuels, M.D.	University of Maryland
Meghana Gadgil, M.D.	UM.D.NJ- R. W. Johnson	Kinjal Shah, M.D.	Creighton University
Aarti Gupta, M.D.	SUNY Buffalo	Bashar Staitieh, M.D.	University of Kansas
Ajita Kundaikar, M.D.	SUNY Downstate	Elizabeth Stevenson, M.D.	Drexel University
Jianging Li, M.D.	Drexel University	Nilofar Syed, M.D.	Case Western Reserve University
Zeina Wajdi Maani, M.D.	Jordan University	Hao Tran, M.D.	Drexel University
Joseph Manlolo, M.D.	Medical College of Wisconsin	Jill Tremblay, M.D.	Georgetown University
Evan Mariash, M.D.	Chicago Medical School	Amy Yang, M.D.	Tulane University

PGY-2

Eve Block, M.D.	University of Kansas	Bevin Kenney, M.D.	University of Massachusetts
Kyle Brownback, M.D.	Univ. of Connecticut	Atif Kidwai, M.D.	UM.D.NJ - R. W. Johnson
Christine Combs, M.D.	Brown Medical School	Krzysztof Kopec, M.D.	UM.D.NJ - R. W. Johnson
Thomas Earl, M.D.	SUNY Upstate Med. Center	Jason Kurland, M.D.	Boston University
Ronald George, M.D.	Medical College of Georgia	Asma Latif, M.D.	University of Kansas
Jason Hallman, M.D.	Wayne State University	Grace Lee, M.D.	Jefferson Medical College
Christopher Jue, M.D.	Brown Medical School	Kimberly Lerner, M.D.	Keck School of Medicine

RHODE ISLAND HOSPITAL / THE MIRIAM HOSPITAL

Current Residents 2007-2008

CATEGORICAL INTERNAL MEDICINE *continued*

PGY-2 *continued*

Elizabeth Liang, M.D.	SUNY Downstate Med. Center	Deepak Pradhan, M.D.	Jefferson Medical College
Anthony Lubinsky, M.D.	SUNY Downstate Med. Center	John Reagon, M.D.	SUNY-Upstate Med. College
Atizazul Mansoor, M.D.	University of Massachusetts	Michael Schaefer, M.D.	SUNY-Upstate Med. College
Christopher McGowan, M.D.	Jefferson Medical College	Ryan Shipe, M.D.	Jefferson Medical College
Aleagia Mercer-Falkoff, M.D.	University of Connecticut	Mari Shiraishi, M.D.	Georgetown University
Priscilla Merriam, M.D.	Jefferson Medical College	Marisa Van Poznak, M.D.	Dartmouth Medical School
Premal Patel, M.D.	Univ. of Texas @ Galveston		

PGY-3

John Adams, M.D.	University of North Carolina	Kristel Jernigan, M.D.	Brody School of Medicine
Anna Barbosa, M.D.	Boston University	Sinan Kutty, M.D.	UM.D.NJ- R. W. Johnson
Scott Brancato, M.D.	Georgetown University	William "Tony" Lizarraga, M.D.	University of Tennessee
Marilena Calderusa, M.D.	Dartmouth Medical School	Elias Loukas, M.D.	SUNY Downstate Med Univ.
Lee Campano, M.D.	Chicago Medical School	Ryan MacNevin, M.D.	University of Maryland
Patrick Chun, M.D.	Michigan State University	Rupesh Mehta, M.D.	SUNY Upstate Med University
Furha Cossor, M.D.	University of Missouri	Jonathan Nass, M.D.	Tulane University
Ann Dennis, M.D.	University of New Mexico	Reve Purisima, M.D.	SUNY Upstate Med University
David Epstein, M.D.	University of Miami	Natalie Ramezani, M.D.	University of South Florida
Katherine Faricy Anderson, M.D.	Jefferson Medical College	Joyce Reyes Thomas, M.D.	University of Rochester
Rebecca Fitch, M.D.	SUNY Downstate Med Univ.	Kristin Scott-Tillery, M.D.	University of Texas
Christopher Fyock, M.D.	Med. Univ. of S. Carolina	Fuad Said, M.D.*	University of Jordan
Ravi Gupta, M.D.	SUNY Downstate Med Univ.	William Speicher, M.D.	Temple University
Jung-ah Han, M.D.	Albert Einstein College	Nicole Theodoropoulos, M.D.	University of Massachusetts
Luis M. Henkel, M.D.	Univ Federal Do Rio Grande Do Sul	Erich Vorlop, M.D.	University of Buffalo
Sameer Jamal, M.D.	Virginia Commonwealth Univ.		

PRELIMINARY INTERNAL MEDICINE

PGY-1

Stephanie Ajudua, M.D.	Brown Medical School	Karl Meisel, M.D.	Michigan State University
Victoria Chiu, M.D.	Brown Medical School	Shane Ruter, M.D.	Brown Medical School
Theron Dobson, M.D.	Michigan State University	Dalia Saha, M.D.	Brown Medical School
Robert Dyer, M.D.	Brown Medical School	Ikue Shimizu, M.D.	Brown Medical School
Jesse Goddard, M.D.	Saint George's University	Shahin Elyahoo	Chicago Medical School
Carin Got, M.D.	UM.D.NJ- R. W. Johnson	Sheibani-Rad, M.D.	
Jennifer Jenkins, M.D.	Brown Medical School	Ani Tajirian, M.D.	Brown Medical School

MEDICINE/PEDIATRICS

PGY-1

Justin Eldridge, M.D.	Jefferson Medical College	Raina Phillips, M.D.	University of Illinois
Sylvia LaCourse, M.D.	University of Louisville	Natasha Rybak, M.D.	Brown Medical School

PGY-2

Jacqueline Firth, M.D.	Tulane University	Susanna Winston, M.D.	University of Minnesota
Charlene Flash, M.D.	UM.D.NJ- Robert W. Johnson		

PGY-3

George Hardy, M.D.	Brown Medical School	Julia Ozbolt, M.D.	Univ. of CA, San Diego
Marisa Holubar, M.D.	University of Wisconsin	Susan Paul, M.D.	University of Massachusetts

PGY-4

Sabrina Assoumou, M.D.	Univ. of Rochester	Edmund Sears, M.D.	Brown Medical School
Kerri Nottage, M.D.	Brown Medical School	Jennifer Turner, M.D.	Georgetown University

RESIDENCY TRAINING ▶ INTERNAL MEDICINE**GRADUATE CAREER CHOICES - 2006**

Brown DOM Residents	RIH-GIM	RIH-CAT	RIH-MP	MEM	TOTAL	PERCENTAGE
Subspecialty Fellow		18	2	4	24	52%
GIM Fellow	1				1	2%
GIM Medical Practice	5	4		2	11	24%
GIM Hospital Practice		1			1	2%
GIM/Public Health					0	0%
Hospitalist/Other	2	5	1	1	9	20%
Total	8	28	3	7	46	100%

GRADUATE CAREER CHOICES - 2007

Brown DOM Residents	RIH-GIM	RIH-CAT	RIH-MP	MEM	TOTAL	PERCENTAGE
Subspecialty Fellow	2	22	4	3	31	60%
GIM Fellow	2				2	4%
GIM Medical Practice	3	1	1	3	8	15%
GIM Hospital Practice					0	0%
GIM/Public Health	1				1	2%
Hospitalist/Other	3	3		4	10	19%
Total	11	26	5	10	52	100%

RHODE ISLAND HOSPITAL / THE MIRIAM HOSPITAL ▶ POST GRADUATE PLANS

General Internal Medicine/Primary Care

Medical Practice

2007	Medical Associates of RI, Barrington, RI Laurel Internal Medicine Clinic, Salinas, CA Vanguard, Quincy, MA
2006	Harvard Vanguard, Quincy, MA New Bedford Community Health Center, New Bedford, MA Morton Plante Mease Primary Care, Largo, FLA Center for Womens Health, Providence, RI Brown Medical School, Providence, RI

Academic Hospitalist

2007	Community Medical Center, West-Torns River, MJ Kent County Hospital, Warwick, RI Swedish Medical Center, Seattle, WA
2006	Kent Hospital, Warwick, RI University of California at San Francisco, CA

Fellowship Placement

Cardiovascular	2007	University of Louisville, KY
Clinical Scholars Program	2006	Robert Wood Johnson Clinical Scholars Program, Yale University, New Haven, CT
Geriatrics	2007	Alpert Medical School of Brown University, Providence, RI
Health Services	2007	University of Washington, Seattle, WA
Obstetrics Medicine	2007	Alpert Medical School of Brown University, Women and Infants Hospital, Providence, RI
Pulmonary Diseases & Critical Care Medicine	2007	Alpert Medical School of Brown University, Providence, RI
Rheumatology	2006	National Institutes of Health Clinical Center Program, Bethesda, M.D.

RHODE ISLAND HOSPITAL / THE MIRIAM HOSPITAL ▸ POST GRADUATE PLANS

Categorical Internal Medicine Residents

Fellowship Placement

Cardiovascular	2007	Alpert Medical School of Brown University, Providence, RI Alpert Medical School of Brown University, Providence, RI Beth Israel/Deaconess Medical Center, Boston, MA	
	2006	St. Louis University School of Medicine, St. Louis, MO Temple University Program, Philadelphia, PA	
Endocrinology	2007	University of Chicago, Chicago, IL	
	2006	Brown Medical School, Providence, RI	
Gastroenterology	2007	Mount Sinai School of Medicine Program, New York, NY	
		University of Connecticut Health Center, Farmington, CT	
		St. Luke's Roosevelt Medical Center, NY, NY University of Maryland, College Park, M.D.	
	2006	Saint Louis University, St. Louis, MO University of Connecticut School of Medicine, Farmington, CT	
Geriatrics	2007	University of Hawaii, Honolulu, HI	
Hematology-Oncology	2007	Alpert Medical School of Brown University, Providence, RI University of California, Davis, Sacramento, CA University of Virginia, Charlottesville, VA	
		2006	New York-Presbyterian Hosp. - Columbia Campus New York, NY Tufts-New England Medical Center Program, Boston, MA Brown Medical School, Providence, RI Wayne State Univ./Detroit Medical Center, Detroit, MI
		2007	Alpert Medical School of Brown University, Providence, RI Boston University Medical Center, Boston, MA New England Medical Center, Boston, MA
	2006	University of North Carolina, Chapel Hill, NC	
Nephrology	2007	Yale University School of Medicine, New Haven, CT	
	2006	Harvard Medical School, Beth Israel Deaconess Medical Center, Boston, MA Mount Sinai Medical Center, New York, New York	
		Brown Medical School, Providence, RI	
Pulmonary Diseases & Critical Care Medicine	2007	Alpert Medical School of Brown University, Providence, RI Alpert Medical School of Brown University, Providence, RI Yale University School of Medicine, New Haven, CT	
		2006	Brown Medical School, Providence, RI Stanford University, Stanford, CA New York-Presbyterian Hosp. - Columbia Campus New York, NY
	2007	SUNY Downstate, Brooklyn, NY	
	Medical Practice	2006	Emerald Physicians, Hyannis, MA St. Joseph Hospital, Nashua, NH General Internal Medicine Practice, Providence, RI Coastal Medical, East Providence, RI
Hospitalist	2007	Northwestern Memorial Hospital, Chicago, IL Norwood Hospital, Norwood, MA Harvard School of Public Health, Cambridge, MA	
		2006	The Miriam Hospital, Providence, RI Whidden Memorial Hospital, Everett, MA The Miriam Hospital, Providence, RI Long Island Medical Center, New Hyde Park, NY Kent Hospital, Warwick, RI Thomas Jefferson Univ. Hospital, Philadelphia, PA (Academic Clinical Educator)

RHODE ISLAND HOSPITAL ▸ POST GRADUATE PLANS**Medicine Pediatrics****Fellowship Placement**

Cardiovascular	2007	Alpert Medical School of Brown University, Providence, RI
Infectious Disease	2007	Case Western Reserve, Cleveland, OH
	2006	Harvard Medical School, Beth Israel Deaconess Medical Center Boston, MA
Nephrology	2007	Cleveland Clinic, Cleveland, OH
Pediatric Critical Care Medicine	2007	Children's Hospital Boston/Harvard Medical School, Boston, MA
Rheumatology	2006	University of Iowa Hospitals and Clinics Program, Iowa City, IA
Medical Practice	2006	Women's Health Associates, University Medicine Foundation, Providence, RI
Hospitalist (Medicine-Pediatrics)	2007	Newton Wellesley Hospital, Newton, MA

MEMORIAL HOSPITAL OF RHODE ISLAND ▸ POST GRADUATE PLANS**Fellowship Placement**

Hematology/Oncology	2007	Tufts University, New England Medical Center, Boston, MA
Infectious Disease	2006	Brown Medical School, Providence, RI
Pulmonary	2007	Tulane University, New Orleans, Louisiana
	2006	Boston University, Boston, MA Temple University, Philadelphia, PA Lahey Clinic, Burlington, MA
Sleep Medicine	2007	Sleep Medicine Fellowship, University of Missouri, Kansas City, MO
Hospitalist	2007	Metro West Medical Center, Framingham, MA California South Carolina
	2006	Worcester Medical Center, Worcester, MA California
Medical Practice	2007	Internal Medicine Clinic, Metro West Medical Center, Framingham, MA Private Practice, Providence, RI Private Practice, Lincoln, RI
	2006	Primary Care Practice, Gainesville, FLA Private Practice, Cumberland, RI
Chief Resident	2007	Memorial Hospital of Rhode Island

GERIATRICS

OVERVIEW

The past two academic years (7/05–6/07) of the Division have been dynamic; clinical and educational growth has accelerated with the return of the Division Director in 2005 from his nearly 3 years as interim dean of medicine. Division faculty has grown from six full-time geriatricians in 2005 to 9 in 2007. Ana Tuya, M.D. (teacher scholar track), and Ramona Rhodes, M.D., MPH (research scholar track) were recruited to Assistant Professor positions 7/06. Both are graduates of the Division's fellowship program. Joan Teno, M.D., MS, an internationally respected scientist studying end-of-life care, is part time. Naomi McMackin, M.D., lead geriatrician for Family Medicine (7/05), an internist and BU geriatrics fellowship graduate based at Memorial Hospital, is a 10th Division member. Stefan Gravenstein, M.D., MPH, has been recruited to join the Division as Professor (7/07). He is currently Professor of Medicine, Director of the Division of Geriatrics, Director of the Geriatric Medicine Fellowship program, and Director of the Glennan Center on Aging, all at Eastern Virginia Medical School. He is an eminent scientist, teacher and clinician.

The most exciting development during this period has been the award of a four-year \$2M Donald W. Reynolds Foundation grant to Warren Alpert Medical School of Brown University and to the Division of Geriatrics to establish comprehensive programs that will strengthen physicians' training in geriatrics; Dr. Besdine is PI. After one year of operation, it already figures prominently in Brown's Geriatrics identity. Taking advantage of concurrence with major curriculum redesign in the medical school, this project is generating aging-related content for every relevant course in every year for every student. Exam questions (8–20% of mid-term and finals for the current 1st year class) have been written. More than 55 hours of new aging-related content has been added to the 1st year curriculum 2006–7. Clinical experiential goals have been established for 6 of 7 mandatory clinical clerkships.

Two residencies (IM, EM) were targeted for geriatrics strengthening. In Medicine, the mandatory intern block month has been dramatically enriched, with gratifying improvement in evaluations. The in-patient geriatrics teaching service has also been enhanced. An Emergency Medicine geriatrics fellowship has been launched; the 1st fellow (M.D., MPH) is preparing for an academic career in geriatric EM. All EM residents attended a 3-hour Simula-



Richard W. Besdine, M.D., Professor of Medicine, Rhode Island Hospital, University Medicine Foundation; Director, Division of Geriatrics

tion Center session of 4 geriatrics cases, preceded by a 1-hour lecture by an EM geriatrics fellow. The Simulation Center cases are being modified for use with IM residents and medical students on the IM clerkship. A Scholarly Concentration in Aging (SC-A) has been created as one of 10 options. The SC program is a distinctive feature of the curriculum redesign; it provides 1st year students who enroll with a 3-year opportunity to do a mentored project and have multiple enrichment experiences in broad topical areas. Aging has served as the prototype.

The geriatric medicine fellowship program, accredited in 2002, graduated its 9th and 10th fellow in 2007. Six have gone on to academic faculty careers in Geriatrics. Three fellows, two committed to academic faculty careers entered the program 7/07. Clinical sites for training include RIH, TMH, Memorial and Butler Hospitals, Steere House Nursing Home, Hospice Care of RI, East Avenue geriatrics primary ambulatory care practice, and multiple sites of ambulatory specialty care. Research training in aging and health services occurs within the public health program at Brown; fellows apply to the MPH program and to the T32 postdoctoral research training program at the Center for Gerontology and Healthcare Research, and are mentored by Division and Center faculty members in a 2-year program following one intensive year of clinical training. Opportunities to train in basic biology of aging are also abundant.

A major new comprehensive research, clinical and clinical teaching program in geriatrics is being launched summer of 2007 at the Providence VA. Ambulatory primary care, interdisciplinary assessment and specialty programs (dementia, falls prevention) are starting, along with a health services research faculty development program. Faculty positions in education, clinical care and research will be supported, as well as geriatrics fellows. At TMH, beginning in 2006, elderly in-patients from Division of Geriatrics practices have been cared for in collaboration with the Hospitalist Program. The GENESIS project, begun in 2002 by Dr. McNicoll in collaboration with Nursing, brought geriatrics strategies to the care of TMH patients. The project won the Barnett Fain Quality Improvement Award for 2003. GENESIS also won TMH's Patient Satisfaction Award 2004. The division continues to participate in quality improvement initiatives at TMH and RIH to improve quality of care for older hospitalized patients.

Research productivity of the Division has been concentrated at the Center for Gerontology and Healthcare Research. Dr. Besdine is Center director. One of 9 centers comprising the research arm of the Program in Public Health, the Center is internationally known for its studies on health and healthcare of older persons. The Center is the major research arm of the Program on Aging, and partners with the Geriatrics Division. Research activities of Drs. Besdine, Dosa, Rhodes and Teno occur in the setting of the Center; its productivity has increased substantially over the past two years in spite of no new faculty additions since 2000. Its 15 faculty hold more than 45 active grants. Grant funding from federal (NIH, AHRQ, CMS) and private foundations (RWJ, John A. Hartford, Reynolds, Macy, Pew) is ~\$4.5 million annually, and peer reviewed publications average 75 annually. The Gerontology Center collaborated with Professor Tatar of Ecology and Evolutionary Biology on submission of a large NIH Center Grant (PO1) to study biological aging in nonhuman primates.

FACULTY MEMBERS

FULL-TIME FACULTY (Hospital- and Foundation-Based)

Richard W. Besdine, M.D., Director, Professor of Medicine, Rhode Island Hospital, The Miriam Hospital, University Medicine Foundation

David M. Dosa, M.D., MPH, Assistant Professor of Medicine, Rhode Island Hospital, The Miriam Hospital, University Medicine Foundation

Stefan Gravenstein, M.D., MPH, CM.D., Professor of Medicine (pending), Rhode Island Hospital, The Miriam Hospital, University Medicine Foundation

Naomi McMackin, M.D., Assistant Professor of Family Medicine, Memorial Hospital of Rhode Island

Lynn McNicoll, M.D., Assistant Professor of Medicine, Rhode Island Hospital, The Miriam Hospital, University Medicine Foundation

John B. Murphy, M.D., Professor of Medicine and Family Medicine, Rhode Island Hospital, The Miriam Hospital, University Medicine Foundation

Aman Nanda, M.D., CM.D., Assistant Professor of Medicine, Rhode Island Hospital, The Miriam Hospital, University Medicine Foundation

Ana Tuya, M.D., Assistant Professor of Medicine, Rhode Island Hospital, The Miriam Hospital, University Medicine Foundation

Ramona Rhodes, M.D., MPH, Assistant Professor of Medicine, Rhode Island Hospital, The Miriam Hospital, University Medicine Foundation

Tom J. Wachtel, M.D., Professor of Medicine, Rhode Island Hospital, The Miriam Hospital, University Medicine Foundation

PART TIME FACULTY:

Joan Teno, M.D., MS, Professor of Community Health and Medicine, Center for Gerontology and Healthcare Research, Warren Alpert Medical School of Brown University

David R. Gifford, M.D., MPH, Associate Professor of Medicine and Director, Health Department, State of RI

Robert Crausman, M.D., Associate Professor of Medicine and Chief, Rhode Island Board of Medical Licensure and Discipline, RI Health Department

FACULTY TRANSITIONS

Departing Faculty – none

Arriving Faculty – Stefan Gravenstein, M.D., MPH, CM.D., Professor of Medicine (pending), began 7/07.

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION OF FACULTY

Richard W. Besdine, M.D.

- Keen Award, Brown Medical School Alumni Association, 2005
- Past President and Board Chair, American Geriatrics Society
- Visiting Professor, National Council for Research (CNR) and University of Padova; Padova, Italy

INVITED PRESENTATIONS

- Plenary speaker (Economics of Osteoporosis), National Congress of the Italian for the Study of Metabolic Bone Disease (GISMO), Naples, Italy
- Plenary Presentation: Relationships Between Retirement and Depression. NIH-organized international conference on SHARE (Survey of Health, Aging and Retirement in Europe), Varenna, Italy
- Plenary Presentation: Treatment of Dyslipidemia in Elderly Diabetics. Annual Meeting European Society for Cardiovascular Disease Prevention, Naples, Italy.
- Plenary Presentation: Epidemiology of Aging. Comtempo in Geriatria e Gerontologia, Italian Society for Geriatrics and Gerontology, Rome, Italy.
- Visiting Professor, University of Miami, Miami, FL

David M. Dosa, M.D., MPH

- Merck New Investigator Award-American Geriatrics Society, 2006
- Elected Physician Representative, Rhode Island Senate Long Term Care Coordinating Council (Term 2007–2009)

INVITED PRESENTATIONS:

- August 2006: Presentation before Kaiser Family

Foundation, Washington DC: Forum entitled “Health Care in the Aftermath of Hurricane Katrina”

Lynn McNicoll, M.D., FRCPC

- New Investigator Award - Given to individuals whose research reflects new and relevant work in geriatrics at the 2006 AGS Annual Meeting

John Murphy, M.D.

- Treasurer, American Geriatrics Society, 2006
- President-elect American Geriatrics Society, 2007

INVITED PRESENTATIONS

- Non-Standard Programs, Group on Resident affairs, Association of American Medical Colleges, Memphis, TN, 4/2006
- Influenza: Basic Science to Birdwatching. Annual Meeting of the RIAFP, 9/06.

Aman Nanda, M.D.

- Member, Task Force to Improve End of Life Care, Attorney General Office, RI
- Steering committee member, RI Chapter of American Medical Directors Association.

Tom J. Wachtel, M.D.

- Chairman, Community Health Scientific Meetings Committee, Brown University
- Chairman, Longitudinal Outpatient Program Subcommittee, Brown University
- Member, Resident Ranking for Matching Program (NRMP), Rhode Island Hospital
- Member, Quality Assurance Committee, Rhode Island Hospital
- Member, Core Clerkship Committee

GERIATRIC MEDICINE FELLOWSHIP PROGRAM ▶ FELLOWS ENROLLED 7/1/05-6/30/07

Fellows	Medical School	Residency	Years Trained	Enrolled	Geriatrics Certified	Present Employment
Ramona Rhodes	U of Arkansas	Case Western – Metro Health IM	3	7/03-6/06	2006	Asst Prof. IM (PS-h) Brown
Michael Gerardo	Ohio U Coll Osteo Med	Cook County, Chicago	3	7/04-6/07	Eligible	Asst Prof. IM (PS-h) Ohio U Coll Osteo Med 7/07
Ana Tuya	George Wash.	Brown IM	1	7/05-6/06	2006	Asst Prof. IM (EC) Brown
John Kleckley	U.S. Carolina	St. Raphael Hosp. New Haven	1	7/06-6/07	Eligible 7/07	CP-m, Roper System, Charleston, SC
Deepak Thiagarajan	St. Georges U, Grenada	Norwalk Hosp., CT	1	7/06-6/07	Eligible 7/07	Hospitalist Clinical Faculty IM (EC) Brown (7/07)

PS-h = Research Scientist faculty career in health services/policy
 EC = Educator Clinician faculty career

CP-m = Clinical Practice with mentoring of students, residents or practicing physicians

CP = Clinical Practice

RESEARCH AND OTHER SCHOLARLY ACTIVITIES

Members of Study Sections and Advisory Committees

Richard W. Besdine, M.D.

- Reviewer for Aging Clinical and Experimental Research
- Occasional reviewer NEJM, JAGS, JAMA
- Ad Hoc Review Panel GACA 2007 (recused)

David M. Dosa, M.D., MPH

- Reviewer for Journal of the American Geriatrics Society, Journal of the American Medical Director's Association, Aging Clinical and Experimental Research
- Reviewer, Geriatric Medicine, American Board of Internal Medicine

Lynn McNicoll, M.D.

- Reviewer Journal of the American Geriatrics Society

John Murphy, M.D.

- Reviewer, Family Medicine, Journal of the American Board of Family Medicine

Aman Nanda, M.D.

- Reviewer, Annals of Long-Term Care, JAMA
- Question Reviewer for Geriatric Medicine, American Board of Internal Medicine

Tom Wachtel, M.D.

- Reviewer:
 - American Journal of Medicine
 - Annals of Internal Medicine
 - Journal of General Internal Medicine
 - Journal of the American Geriatric Society
 - Journal of the American Medical Association
 - New England Journal of Medicine

TEACHING ACTIVITIES

Richard W. Besdine, M.D.

EDUCATION HONORS AND AWARDS

- Faculty Award, Brown Medical School Class of 2005

MAJOR TEACHING RESPONSIBILITIES

- Director, Geriatric Medicine Fellowship 2005–6
- Curriculum Redesign Working Group on Content and Organization, Working Group on Scholarly Concentrations

- Field Experience Director, Geriatrics; Community Health Clerkship Preceptor, Geriatrics Rotation for Internal Medicine Residents

David Dosa, M.D., MPH

MAJOR TEACHING RESPONSIBILITIES

- Preceptor: BC/0196: Independent Study Instructor
- MPH Thesis Advisor

Lynn McNicoll, M.D., FRCPC

MAJOR TEACHING RESPONSIBILITIES

- Director, Scholarly Concentration in Aging

John Murphy, M.D.

MAJOR TEACHING RESPONSIBILITIES

- Chair, Residency Advisory Group, Reynolds Foundation Project
- Director, Graduate Medical Education-Lifespan 2004–present

Aman Nanda, M.D.

MAJOR TEACHING RESPONSIBILITIES

- Associate Program Director, Geriatric Medicine Fellowship Program, 2003–6
- Program Director, Geriatric Medicine Fellowship Program 2006–present

Ramona Rhodes, M.D., MPH

MAJOR TEACHING RESPONSIBILITIES

Ana C. Tuya, M.D.

MAJOR TEACHING RESPONSIBILITIES

- Director, Geriatrics Block Rotation for Internal Medicine PGY 1 residents (4-5 residents per month for didactic sessions and on-site clinical education). 7/06–present.
- Director, Geriatrics In-patient Teaching Service (continuous all-patients-on-teaching service at Rhode Island Hospital), Division of Geriatrics. 7/06–present.

Tom J. Wachtel, M.D.

MAJOR TEACHING RESPONSIBILITIES

- Preceptor, Bio-Med Course 381, Community Health Clerkship, Brown University
- Preceptor, Seminars in Epidemiology, Community Health Clerkship, Brown University
- Course Director, Bio-Med Course 315F, “Ambulatory Longitudinal Clerkship”, Brown University
- Director, Geriatric segment of Medicine Core Clerkship, Brown University 2005–6
- Director, Required IM residency geriatrics rotation, RIH 2005–6

PUBLICATIONS

Richard W. Besdine, M.D.

- Tuya A, Besdine RW. Geriatrics for the Practicing Physician: Using the Comprehensive Clinical Approach to Older Patients. *Medicine and Health Rhode Island*. January 2007; 90(1): 27–28.

David M. Dosa, M.D., MPH

- Dosa D. Should I Hospitalize my Resident with Nursing Home Acquired Pneumonia. *J Am Med Dir Assoc*. 2005; 6: 327–333.
- Teno J, Dosa D. You Can't Always Get What You Want. *CMAJ*. 2006; 174: 643–44.
- Dosa D, Bowers B, Gifford, DR. A Critical Review of the Resident Assessment Protocols (RAPS). *J Am Geriatr Soc*. 2006; 54:659–666.
- Dosa D, Grossman N, Wetle T, Mor V. To Evacuate or not to Evacuate? Lessons learned from Louisiana Nursing Home Administrators Following Hurricanes Katrina and Rita. *J Am Med Dir Assoc*. 2007; 8:142–149.
- Dosa D, Intrator O, McNicoll L, et al. Preliminary Derivation of a Nursing Home Confusion Assessment Method (NH-CAM) Based on Data from the M.D.S. *J Am Geriatr Soc* (in press).

Lynn McNicoll, M.D.

- Nachamie H, McNicoll L, Dosa D. Generalizability and First-Line Therapy Associated with Tramadol/Acetaminophen Studied for Osteoarthritis Add-on Therapy for Refractory Pain. *J Am Geriatr Soc* 2005;53(1):165.
- McNicoll L, Pisani MA, Ely EW, Gifford D, Inouye SK. Detection of Delirium in the ICU: Comparison of the CAM-ICU with CAM Ratings. *J Am Geriatr Soc*. 2005;53(3):495–500.
- Pisani MA, Redlich C, McNicoll L, Ely WE, Friedkin RJ, Inouye SK. Short-Term Outcomes in Older Intensive Care Unit Patients with Dementia. *Critical Care Medicine* 2005;33(6):1371–6.
- Dosa D, Intrator O, McNicoll L, et al. Preliminary Derivation of a Nursing Home Confusion Assessment Method (NH-CAM) Based on Data from the M.D.S. *J Am Geriatr Soc* (in press).

John Murphy, M.D.

- Murphy JB, Rhodes R. Primary Prevention for Older Persons. *RI Medicine and Health*. 2005;88:4–7.
- Editor, *Geriatric Review Syllabus*, 6th Edition, 2006

- Wachtel, T editor, Ferri F, Holzer C, McNicoll L, Murphy J, Nanda A, Associate Editors. *Geriatric Clinical Advisor*. Philadelphia, PA, Mosby, Inc., 2007

Aman Nanda, M.D.

- Rhodes R, Nanda A. IMAGES IN MEDICINE. *Medicine and Health, Rhode Island. Journal by Rhode Island Medical Society*. 2005;88(2):53.
- Associate Editor of a text Book Wachtel's Geriatric Clinical Advisor Instant Diagnosis and Treatment. *In Wachtel TJ*, editor. 1st edition. Philadelphia, Elsevier-Mosby, Inc. 2007
- Teno JM, Gruneir A, Schwartz Z, Nanda A, Wetle, T. Association between advanced directives and quality of end-of-life-care. A National Study. *Journal American Geriatrics Society*.2007;55; 189–194.
- Wachtel, T editor, Ferri F, Holzer C, McNicoll L, Murphy J, Nanda A, Associate Editors. *Geriatric Clinical Advisor*. Philadelphia, PA, Mosby, Inc., 2007

Ramona Rhodes, M.D., MPH

- Rhodes RL, Nanda A. Images in Medicine: Left humerus and intertrochanteric fracture in an elderly man. *Medicine and Health Rhode Island* 2005;88–53.
- Rhodes RL, Teno JM, Welch LC. Access to Hospice for African Americans: Are They Informed About the Option of Hospice? *Journal of Palliative Medicine* 2006;9:268–272.
- Rhodes RL. Racial disparities in hospice: moving from analysis to intervention. *The American Medical Association Virtual Mentor*. 2006; 8:613–616. Available at: <http://www.ama-assn.org/ama/pub/category/16650.html>.
- Rhodes RL. The Use of Palliative and Hospice Care in the Nursing Home Setting. *Medicine and Health Rhode Island* 2007;90:161–162.
- Teno JM, Shu J, Casarett D, Spence C, Rhodes R, Connor S. Timing of referral to hospice and quality of care: Length of Stay and Bereaved Family Members perceptions of the Timing of Hospice Referral. *Journal of Pain and Symptom Management*. In press

Joan Teno, M.D., MS

- Rhodes RL, Teno JM, Welch LC. Access to Hospice for African Americans: Are They Informed about the Option of Hospice? *Journal of Palliative Medicine*. April 2006; 9(2):268–72.
- Mitchell SL, Kiely DK, Jones RN, Prigerson H, Volicer L, Teno JM. Advanced Dementia Research in the Nursing

Home: The CASCADE Study. *Alzheimer Disease and Associated Disorders*. July–September 2006; 20(3):166–75.

- ▶ Kiely DK, Volicer L, Teno J, Jones RN, Prigerson HG, Mitchell SL. The Validity and Reliability of Scales for the Evaluation of End-of-Life Care in Advanced Dementia. *Alzheimer Disease and Associated Disorders*. July–September 2006; 20(3):176–81.
- ▶ Trask P, Teno J, Nash J. Transitions of Care and Changes in Distressing Pain. *Journal of Pain and Symptom Management*. August 2006; 32(2):104–9.
- ▶ Teno JM, Gruneir A, Schwartz Z, Nanda A, Wetle T. Association between advance directives and quality of end-of-life care: a national study. *Journal of the American Geriatrics Society*. February 2007; 55(2):189–94.

Ana C. Tuya, M.D.

- ▶ Tuya, A, Hohenhaus, M. Case presentations of the Brown University Department of Medicine Miriam Hospital Morbidity and Mortality Conference: A Case of Cardiac Sarcoidosis. *Medicine and Health Rhode Island*. November 2005, p 201–202.
- ▶ Tuya A, Besdine RW. Geriatrics for the Practicing Physician: Using the Comprehensive Clinical Approach to Older Patients. *Medicine and Health Rhode Island*. January 2007; 90(1): 27–28.
- ▶ Tuya A. Geriatrics for the Practicing Physician: Managing the Medication Portfolio & Avoiding Polypharmacy in the Older Adult. *Medicine and Health Rhode Island*. February 2007; 90(2): 57–58.
- ▶ Tuya A. Dysphagia. *In: 5 Minute Clinical Consult* 2008. Lippincott Williams & Wilkins.
- ▶ Editor, Geriatrics for the Practicing Physician. *Monthly column of Medicine and Health Rhode Island* – publication of the RI Medical Society.

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

- ▶ Resources for Geriatrics Education – public website on Brown Center for Gerontology; Web page, with mirror site on Brown Internal Medicine Residency Intranet page. URL: <http://www.chcr.brown.edu/toolkit.htm>

Tom J. Wachtel, M.D.

- ▶ *Ferri's Clinical Advisor* 2005, Section Editor; Update of chapters authored in 2004 edition
- ▶ *Ferri's Clinical Advisor* 2006 Section Editor; Update of chapters authored in 2005 edition
- ▶ *Ferri's Clinical Advisor* 2007 Section Editor; Update of chapters authored in 2006 edition

RESEARCH

Richard Besdine, M.D.

- ▶ PI (40%), Reynolds Foundation Award; Comprehensive Program to Strengthen Physicians' Training in Geriatrics; \$2M; 7/06–6/10
- ▶ Co-director, NIH T32, Research Training Grant in Dementia (PI, Malloy)

David Dosa, M.D., MPH

- ▶ Site Co-PI; Prospective Observational Study to Evaluate Physical Performance and Quality of Life in Older Long Stay Nursing Home Residents with Chronic Kidney Disease with and without Anemia; Amgen; 1/07–1/08
- ▶ Co-investigator; Unmet Need: An Acute/Chronic Care Link (PI-Susan Allen); National Institute on Aging (RO1 AG022073); 5/04–4/07
- ▶ Co-investigator; MAPS: Multifaceted Interventions to Ameliorate Pain/Symptoms (PI-Joan Teno); National Institute on Aging (R21 AG023872); 9/04–5/07
- ▶ Co-PI; To Evacuate or Not to Evacuate: Lessons Learned by Nursing Home Administrative Directors during Hurricanes Katrina/Rita; Kaiser Family Foundation; 1/06–9/06
- ▶ PI, Epidemiology of Delirium in the Nursing Home; SURDNA Foundation (Brown#4-64566); 1/05-6/06
- ▶ Co-PI, Exploring the Special Needs & Potential Role of Nursing Homes in Surge Capacity for Bioterrorism and Other Public Health Emergencies AHRQ Special 7/04–12/05

Lynn McNicoll, M.D., FRCPC

- ▶ Co-PI, Rhode Island Intensive Care Unit Collaborative for the dissemination and implementation of evidence-based protocols to improve practices and patient safety in ICU statewide. Unrestricted funds provided by United Healthcare and Blue Cross Blue Shield RI; \$870,000; 8/05–7/07
- ▶ PI, Rhode Island Foundation Medical Research grant; ICU Utilization among nursing home residents. \$10,000 5/07–4/08
- ▶ Co-investigator, Donald W. Reynolds Foundation (Besdine, PI), Comprehensive Programs to Strengthen Physicians' Training In Geriatrics; 7/06–6/10

Aman Nanda, M.D.

- ▶ Site PI; Prospective Observational Study to Evaluate Physical Performance and Quality of Life in Older Long Stay Nursing Home Residents with Chronic Kidney Disease with and without Anemia; Amgen; 1/07–1/08

- ▶ Co-investigator, Donald W. Reynolds Foundation (Besdine, PI), Comprehensive Programs to Strengthen Physicians' Training In Geriatrics; 7/06–6/10

Ramona Rhodes, M.D., MPH

- ▶ Co-investigator R01 AG024265-02S1 Teno (PI); Research Supplement to Promote Diversity in Health Related Research; NIA; 7/1/06–7/1/08
- ▶ Co-investigator, Donald W. Reynolds Foundation (Besdine, PI), Comprehensive Programs to Strengthen Physicians' Training In Geriatrics; 7/06–6/10

Ana Tuya, M.D.

- ▶ Co-investigator, Donald W. Reynolds Foundation (Besdine, PI), Comprehensive Programs to Strengthen Physicians' Training In Geriatrics; 7/06–6/10

Joan Teno, M.D.

- ▶ AG 023872 PI 9/15/04-5/31/07 DHHS-NIH
 - ▶ Multifaceted Interventions to Ameliorate Pain/Symptoms

- ▶ R01 CA097358 PI 9/1/03-8/31/07 NIH/NCI
 - ▶ Cancer Assessments and Reports of End-Of-Life Treatment
- ▶ AG024091-02 5 R01 (Teno) 9/30/04–7/31/07 Sub w/HRCA
 - ▶ The CASCADE Study: End-of-Life in Advanced Dementia
- ▶ RO1 AG024265 PI 6/15/05–5/31/09 DHHS-NIA
 - ▶ Feeding Tube Use Among Persons with Advanced Dementia
- ▶ sub w/ HRCA to Alzheimer's Assoc. 11/1/05–10/31/07
 - ▶ Improving Hospice Care for Dementia
- ▶ Retirement Research Foundation 11/1/06–12/31/08
 - ▶ Development of the Patient Evaluation of Hospice and Palliative Care Measure



Grand Rounds Lecture, May 2007

HEMATOLOGY/ ONCOLOGY

OVERVIEW

The combined Hematology/Oncology Division at Rhode Island Hospital and Miriam Hospital continues to strive for excellence in patient care, basic and clinical research, and education. Major changes have characterized the last few years with a turn-over of faculty and the addition of a cohort of excellent new faculty members. Drs. Neal Ready, Anita Kestin, and Gary Strauss have departed. Drs. Ariel Birnbaum, Maria Constantinou, Ravitharan Krishnadasan, Gerald Colvin, Jason Aliotta, Eric Winer, and Peter Quesenberry all have joined the faculty in the last two years. Drs. Birnbaum and Constantinou arrived from the Brown/Lifespan fellowship program and are outstanding junior investigators focusing on head and neck cancer, lung cancer, and brain tumors. Dr. Krishnadasan was recruited from Yale where he had won many honors. He is focusing on hematological disorders including coagulation. Dr. Colvin came from Roger Williams Medical Center (RWMC). He is an experienced clinical hematologist/oncologist with extensive stem cell transplant experience and a laboratory base in stem cell biology. He has a K08 NIH award and is a project leader on the Stem Cell COBRE which was left at RWMC. Dr. Jason Aliotta was also recruited from RWMC. He is a pulmonologist with his primary appointment in Hematology/Oncology and his secondary appointment in pulmonary medicine. He is doing cutting edge work on the conversion of marrow cells to lung cells. Dr. Eric Winer is an experienced stem cell transplanter and clinical investigator. He will have a central role in the development of stem cell transplantation at RIH. Dr. Quesenberry also came from RWMC. He is a hematologist/oncologist and transplanter with a long experience in research on marrow stem cells. He is R01 funded and was Principal Investigator on the RWMC COBRE.

There has been a special emphasis on education in the past year. At RIH, the inpatient rotation has been divided into two sections each with a clinical faculty member and a fellow. We have also added a 10-headed Nikon Microscope for morphologic teaching.



Peter J. Quesenberry, M.D., Director, Hematology/Oncology Division

FACULTY MEMBERS

Faculty (Full Time or Volunteer):

Peter J. Quesenberry, M.D., Director, Hematology/Oncology at Brown Medical School and Lifespan Medical Center, specifically at the Rhode Island Hospital and The Miriam Hospital, Paul Calabresi, M.D. Professor of Oncology and Professor of Medicine, Executive Director of Hematology/Oncology for academic activities at the VA Medical Center and Memorial Hospital of Rhode Island.

Jason Aliotta, M.D., Pulmonologist, Assistant Professor (pending), Hematology/Oncology and Pulmonary/Critical Care/Sleep Medicine, Rhode Island Hospital, University Medicine Foundation.

Ariel E. Birnbaum, M.D., Oncologist, Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.

Deborah Britt, Ph.D., Assistant Professor (Research), Hematology/Oncology and Pathology, Rhode Island Hospital, University Medicine Foundation.

James Butera, M.D., Clinical Assistant Professor, Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.

Devasis Chatterjee, Ph.D., Assistant Professor (Research), Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.

- Gerald A. Colvin, DO**, Associate Professor (pending), Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Maria Constantinou, M.D.**, Hematologist/Oncologist, Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- James Darnowski, Ph.D.**, Associate Professor (Research), Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Joseph DiBenedetto, Jr., M.D.**, Clinical Assistant Professor, Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Karen Drumea, M.D.**, Assistant Professor (Research), Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Loren Fast, Ph.D.**, Associate Professor (Research), Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Mary Anne Fenton, M.D.**, Clinical Assistant Professor, Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Edward Filardo, Ph.D.**, Assistant Professor (Research), Hematology/Oncology and Surgery, Rhode Island Hospital, University Medicine Foundation.
- Nancy Freeman, M.D.**, Clinical Associate Professor, Hematology/Oncology, VA Medical Center.
- Douglas Hixson, Ph.D.**, Professor (Research), Hematology/Oncology and Pathology, Rhode Island Hospital, University Medicine Foundation.
- Djuro Josic, Ph.D.**, Professor (Research), Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Linda Hassan, M.D.**, Clinical Assistant Professor, Hematology/Oncology, Memorial Hospital.
- Humera Khurshid, M.D.**, BMBS, Assistant Professor, Hematology/Oncology, Memorial Hospital.
- Ravitharan Krishnadasan, M.D.**, Assistant Professor, Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Yow Pin Lim, M.D., Ph.D.**, Assistant Professor (Research), Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Anthony Mega, M.D.**, Associate Professor (Clinical), Hematology/Oncology, Miriam Hospital, University Medicine Foundation.
- David Mills, Ph.D.**, Assistant Professor (Research), Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Ahmed Nadeem, M.D.**, Clinical Assistant Professor, Hematology/Oncology, Landmark Medical Center.
- Plakyil Joseph, M.D.**, Clinical Assistant Professor, Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Alan Rosmarin, M.D.**, Associate Professor RST, Hematology/Oncology and MCI, Miriam Hospital, University Medicine Foundation.
- Howard Safran, M.D.**, Associate Professor TST, Hematology/Oncology, Miriam Hospital, University Medicine Foundation.
- Sundaresan Sambandam, M.D.**, Clinical Assistant Professor, Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Fred Schiffman, M.D.**, Professor TST, Hematology/Oncology, Miriam Hospital, University Medicine Foundation.
- William Sikov, M.D.**, Clinical Assistant Professor, Hematology/Oncology, Miriam Hospital, University Medicine Foundation.
- Rochelle Strenger, M.D.**, Clinical Assistant Professor, Hematology/Oncology, Miriam Hospital, University Medicine Foundation.
- Anthony Testa, M.D.**, Clinical Instructor, Hematology/Oncology, St. Joseph's Hospital.
- Anthony G. Thomas, DO**, Clinical Assistant Professor, Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Nancy L. Thompson, Ph.D.**, Professor (Research), Hematology/Oncology and Pathology, Rhode Island Hospital, University Medicine Foundation.
- Eric S. Winer, M.D.**, Assistant Professor (Pending), Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.
- Edward G. Wittels, M.D.**, Associate Professor TST, Hematology/Oncology, Miriam Hospital, University Medicine Foundation.
- Zhongfa Yang, Ph.D.**, Instructor (Research), Hematology/Oncology, Rhode Island Hospital, University Medicine Foundation.

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION OF FACULTY

Devasis Chatterjee, Ph.D.

INVITED PRESENTATIONS:

- The United States and Canadian Academy of Pathology (USCAP) Conference. "The prognostic role of RKIP

and Stat 3 in Gastric Adenocarcinoma; a tissue microarray study. Hyatt Regency, Atlanta, GA.

- ▶ RIH Regulation of life and death by RKIP. COBRE/CCRD.

Gerald Alexander Colvin, DO

- ▶ Outstanding Research Contribution Award from ASBMT.
- ▶ Outstanding Research Contribution Award from NIH NIDDK.
- ▶ American Medical Association Physician's Recognition Award.

INVITED PRESENTATIONS:

- ▶ "Modern Trends in Human Leukemia", Wilsede, Germany.

James William Darnowski, Ph.D.

INVITED PRESENTATIONS:

- ▶ "Caspase-Mediated Cleavage of STAT Signaling Proteins", Whispering Pines Conference Center, T. J. Martell Foundation.

Karen C. Drumea, M.D.

- ▶ American Society of Hematology Travel Award.

Loren D. Fast, Ph.D.

INVITED PRESENTATIONS:

- ▶ Collaborative for Vaccine Research and Development, Brown University.
- ▶ Guest Lecturer, Immunology Medical Microbiology BI254A, Pfizer Laboratories.

Mary Anne Fenton, M.D., FACP

INVITED PRESENTATIONS:

- ▶ Moderator, Lifespan Breast Cancer Update Community Forum.
- ▶ "Pathophysiology of Breast, Cervical, Ovarian, and Uterine Cancer", URI College of Pharmacy.
- ▶ American Society of Breast Disease, Adjuvant Hormonal Therapy.
- ▶ Lifespan Breast Cancer Update Community Forum. Update on Breast Cancer Prevention.

Edward J. Filardo, Ph.D.

- ▶ Independent Investigator Award.
- ▶ American Cancer Society Research Scholar.

INVITED PRESENTATIONS:

- ▶ Characterization of GPR30: a seven-membrane-spanning estrogen receptor (7-mER) that triggers autocrine release of EGF. COBRE.

- ▶ Activation of GPR30, a novel estrogen receptor at the plasma membrane. Endocrine Society Meeting.
- ▶ Transactivation of the EGFR by estrogen. Rapid Steroid Hormone Actions, Royal College of Surgeons, Dublin, Ireland.

Douglas Carter Hixson, Ph.D.

INVITED PRESENTATIONS:

- ▶ "Bile duct Epithelial Cells: Are they Hepatocyte Impersonators or the Real Thing?" Symposium on Inflammation, Repair and Carcinogenesis in Liver, Pancreas and Gastrointestinal Tract, University of California, San Francisco.

Djuro Josic, Ph.D.

- ▶ Director of Proteomics Core of the COBRE Center for Cancer Research Development at RIH.

Ravitharan Krishnadasan, M.D.

- ▶ Provide free care in outpatient medical clinic in Southern India and surrounding villages 2–4 weeks per year.

Yow-Pin Lim, Ph.D.

INVITED PRESENTATIONS:

- ▶ Quantitative Protein Biomarker Analysis using Monolithic ImmunoDisk, Portoroz.

Anthony Mega, M.D.

- ▶ Top Doctor – Hematology/Oncology, Rhode Island Monthly Magazine.

INVITED PRESENTATIONS:

- ▶ B-cell Malignancies Education Network, Providence, RI. Moderator, Optimizing Therapy for CD20-Expressing B-Cell Malignancies.
- ▶ Urology Conference, Rhode Island Hospital, Providence, RI. Prostate Cancer.
- ▶ Hematology/Oncology Grand Rounds, Rhode Island Hospital, Providence, RI. Prostate Cancer/Adjuvant Therapy.
- ▶ Medical Grand Rounds, Landmark Medical Center, Woonsocket, RI. To Castrate or to Not Castrate – The Role of Androgen Deprivation Therapy in the Management of Prostate Cancer.

Peter J. Quesenberry, M.D.

- ▶ Lifetime Achievement Award from Leukemia/Lymphoma Society of America.
- ▶ Castle Connolly Top Doctors Award.

INVITED PRESENTATIONS:

- ▶ Fox Chase-Temple BMT Program, Philadelphia, PA.

- 31st Annual Meeting of the European Group for Blood and Marrow Transplantation, Prague, Czech Republic.
- RFA Stem Cell Grantee Meeting, Cell Cycle Related Homing and Engraftment of Marrow Cells to Pulmonary Tissue.
- UVA, “Basic and Therapeutic Implications of the Stem Cell Continuum” Charlottesville, VA.
- Stem Cell Workshop for Xth ISBS, Stem Cell Continuum.
- 2nd International Workshop on Concepts and Mathematical Models of Tissue Stem Cell Organization, Leipzig, Germany, The Stem Cell Continuum.
- Adult Stem Cells Workshop, Burlington, VT, Fluctuation of Marrow Cell Production of Lung Cells in a Continuum.
- The 2005 Stohlman Scholar Symposium, The Leukemia & Lymphoma Society, Scottsdale, Arizona.
- XXXth World Congress of the International Society of Hematology, Current Perspectives on Stem Cell Biology and Challenges in Clinical Implications, Istanbul, Turkey.
- Third Annual Meeting of European Stem Cell, Therapeutics Excellence Centre (STEC) & Second Meeting of the Polish Stem Cell Excellence Network, Cracow, Poland, Stem Cell Continuum, Lecturer and Chair.
- 6th Annual Meeting of the DFG Priority Program 1109, “Embryonic and Somatic Stem Cells” together with the Priority Program 1129 “Epigenetics”, lecture on The Stem Cell Continuum: Cell Cycle Modulation of Stem Cell Phenotype, Dresden, Germany.
- Stem cell presentation at Rochester University, New York.
- Weizmann Institute of Science, Stem Cell Club Meeting, First meeting of the Israeli Stem Cell Society, Israel.
- Presentation for the Program in Stem Cell Biology and Regenerative Medicine at the University of Florida, New Concepts in Stem Cell Biology: The Stem Cell Continuum.
- Presentation at the AlloStem Workshop being held in Naples, Induction of complete responses in patients with refractory hematologic malignancies by mini-haplo transplants without engraftment.
- RFA Stem Cell Meeting, NIH cell cycle related transdifferentiation into lung cells.
- Bone Marrow and Hematopoietic Cell Transplant Seminar, Tufts-New England Medical Center, Boston, Massachusetts.
- Presentation on stem cell plasticity and tissue restoration at the Clinical Laboratory Science Society of New England Annual Meeting, Salve Regina University, Bristol, RI.
- ATS Symposium, Regenerating the Lung Circulation in Pulmonary Arterial Hypertension: More than a Pipe Dream, in San Diego, California. Lecture on Clinical potential of adult stem cells for repopulating diseased pulmonary circulation.
- Presentation at the Bone Marrow Transplant Conference at Harvard Medical School on stem cell engraftment.
- Presentation at the IDeA Symposium in Washington, DC, The New Stem Cell Biology.
- New Concepts in Stem Cell Biology: The Continuum. Oklahoma Medical Research Foundation.
- Presentation on the “Global Continuum Model of Stem Cell Regulation, International Symposium on Hematopoietic Stem Cells VI in Tubingen, Germany.
- Presentation at the Canadian Blood and Marrow Transplantation Group meeting on cell cycle related transdifferentiation into lung cells in Edmonton, Canada.
- Pediatric Research Colloquium, Women & Infants Hospital, Microvesicular Induced Stem Cell Plasticity.
- Stem Cell RFA Grantees Meeting, NIH.
- ASCLS-CNE, Annual American Society for Clinical Laboratory Science Central New England, Microvesicular Alteration of Cell Phenotype, RI Convention Center.
- Jewish Medical Ethics Forum, Controversies in Stem Cell Therapies.
- Yale Hematology Seminar, The Stem Cell Continuum: An Alternate Model of Stem Cell Regulation.
- West Virginia University School of Medicine, 15th Annual Palladino Lecture.
- Co-organizer, Molecular Characteristics of Normal and Leukemia Stem Cells Conference, Brazil.

Alan Rosmarin, M.D.

INVITED PRESENTATIONS:

- Johns Hopkins University, Hematopoiesis and Immunology Research Seminar. “GA-Binding Protein (GABP): a key regulator of myeloid gene transcription is required for cell cycle progression”.
- International Conference on Differentiation Therapy. A novel retinoic acid (RA)-inducible enhanceosome mediates RA transcriptional response in myeloid cells. Oral presentation and Co-Chair of Workshop, “Differentiation and Signaling-RAR and nuclear receptors signaling”, Versailles, France.

- ▶ Eighth International Workshop on Myeloid Development, Co-Organizer and Speaker. “A novel enhancer is required for ATRA-induced myeloid transcription”, Orlando, FL.
- ▶ University of Vermont, Hematology/Oncology Grand Rounds, “Transcriptional Regulation by GABP: role in normal myeloid differentiation and implications for acute leukemia”.
- ▶ Seventh International Meeting on Myeloid Stem Cell Development and Leukemia. “GABP is required for myeloid development in mice”, and session co-chair, Annapolis, Maryland.

Howard Safran, M.D.

INVITED PRESENTATIONS:

- ▶ Plenary presentation at ASCO GI on targeted therapy in esophageal cancer.

Fred J. Schiffman, M.D.

INVITED PRESENTATIONS:

- ▶ Association of Program Directors in Internal Medicine, Workshop Leader/Panelist, Morning Report.
- ▶ Chiefs of Medicine of Federation of Jewish Philanthropies Hospitals, Annual Meeting.
- ▶ Association of Program Directors of Internal Medicine, plenary session panelist & workshop leader.
- ▶ Chiefs of Medicine of Federation of Jewish Philanthropies Hospitals, Annual Meeting.
- ▶ Visiting Professor, Columbia University College of Physicians and Surgeons, Medical Grand Rounds.

William M. Sikov, M.D.

- ▶ Elected to Executive Committee of Cancer and Leukemia Group B.

INVITED PRESENTATIONS:

- ▶ Breast Cancer Update: Review of the 2004 San Antonio Breast Cancer Symposium, University of Vermont, Manchester, VT.

Rochelle Strenger, M.D.

INVITED PRESENTATIONS:

- ▶ New Directions in Breast Cancer Treatment, Women’s Wellness Workshop.
- ▶ Breast Cancer: New and emerging treatments and technologies, Fredrika Wild Schweers Memorial Lecture on Women and Health.

Nancy L. Thompson, Ph.D.

INVITED PRESENTATIONS:

- ▶ Exp. Biol. Meeting, Chair ASIP Workshop “Pathways

to Leadership”. Platform presentation “Leadership Styles, Flavors, and Colors”.

- ▶ Exp Biol. Meeting, Program Planning Co-Chair, FASEB MARC Symposium: “Health Disparities in Breast and Prostate Cancer”.

Eric S. Winer, M.D.

INVITED PRESENTATIONS:

- ▶ Meet the Expert on Non-Hodgkin Lymphoma”, Leukemia & Lymphoma Society.

Edward G. Wittels, M.D.

- ▶ Top Doctor – Hematology/Oncology, Rhode Island Monthly Magazine.

Zhongfa Yang, Ph.D.

- ▶ Young Investigator Award of Rhode Island Hospital 13th Annual Hospital Research Celebration.

RESEARCH AND OTHER SCHOLARLY ACTIVITIES**Faculty Members of Study Sections and Advisory Committees****Deborah Britt, Ph.D.**

- ▶ Member, Lifespan Research Celebration Committee.
- ▶ Associate Chair, Recombinant DNA Committee.
- ▶ Mentor, Bio 195/196.
- ▶ Mentorship of graduate research, Pathobiology Graduate Program.
- ▶ Principal Investigator, “Nuclear LYRIC in Prostate Cancer Development”, NIH.
- ▶ Co-Investigator, “Cellular Origins of Liver Cancer.” NIH.
- ▶ Principal Investigator, “Examination of a Novel Protein LYRIC and its Involvement in Prostate Tumor Suppression Mediated by the Cell Adhesion Molecule CEACAM1-L.” US Army.
- ▶ Principal Investigator, “The Role of a Novel Protein, LYRIC, in Development of Hepatocellular Carcinoma.” NIH.
- ▶ Principal Investigator, “Investigation of the Nuclear Localization of a Tight Junction Protein, LYRIC, and its Implications in Hepatocellular Carcinoma.” NIH.

Devasis Chatterjee, Ph.D.

- ▶ Rhode Island Hospital and Lifespan Developmental Award. “Regulation of apoptosis in human cancer cells by the expression of RKIP”.

- COBRE/CCRD NIH Pilot and Junior Investigator.
- Consultant for RI Clinical Research Center, Tiverton, RI.
- Ad hoc reviewer for: (1) FEBS letters, (2) anticancer research, (3) clinical cancer research, (4) expert opinion on investigational drugs, (5) Journal of Clinical Investigation, and (6) Clinical Cancer Research.

Gerald Colvin, DO

- Invited member of the Emerging Leaders Task Force.
- Site Director National Marrow Donor Program.
- Cancer Center Protocol Review Committee.
- Cancer and Leukemia Group B Member (CALGB).
- P & T Committee.
- Human Research Review Committee.

James W. Darnowski, Ph.D.

- Member, IACUC Ad-Hoc Committee on Research
- Associate Director, IACUC, Rhode Island Hospital.
- Member, IRB, Women & Infants' Hospital.
- Member, Con-CET-3 Study Section, US Army DOD.
- Member, CET/Prostate Cancer Study Section, US Army DOD.

Loren D. Fast, Ph.D.

- Ad hoc reviewer for Journal of Immunology, American Journal of Pathology, Transfusion and Blood.
- Chair, Biohazard and Laboratory Safety Committee.
- Vice Chair, Pathobiology Curriculum Committee.

Edward J. Filardo, Ph.D.

- Ad hoc reviewer for Breast Cancer Research and Treatment, Cancer Research, Endocrinology, FASEB, Gynecologic Oncology, J. Neurochemistry, J. Neuroscience, J. Steroid Biochemistry & Molecular Biology, Nature (Cell Signaling), TRENDS in Endocrinology & Metabolism.
- Study Section for Endocrinology, Department of Defense.
- Study Section for National Science Foundation.

Douglas C. Hixson, Ph.D.

- Director of Molecular Carcinogenesis Laboratory, Department of Medicine, Division of Hematology/Oncology, Rhode Island Hospital.
- Director, COBRE Center for Cancer Research Development, Department of Medicine, Division of Hematology/Oncology, Rhode Island Hospital.
- Member, Search Committee, Cancer Center Director.

- Interviewer for Search Committee, Chief of Hematology and Oncology.
- Medical Faculty Executive Committee.
- Chair, COBRE CCRD Symposium, Cancer Research: The Lighthouse of Hope, RI Convention Center, Providence, RI.
- Co-Chair, COBRE Stem Cell and Cancer Therapeutics Symposium, Rhode Island Convention Center, Providence RI.
- Building and Supporting the Biotech Infrastructure in Rhode Island: The Best of Times, The Worst of Times, Executive Luncheon with Senior Managing Directors of the Slater Technology Fund and the Tech Collective/Biogroup, the Congressional Delegation, CEOs of Brown U affiliated Hospitals, Brown U Administrators, Directors of the 4 Rhode Island COBRE Centers, Department Chairs. Purpose: To identify the key strategic initiatives needed to meet the challenges facing biotechnology in Rhode Island and the role of the COBRE Centers in meeting these needs.

Djuro Josic, Ph.D.

- COBRE Center for Cancer Research Development, NIH/NCRR.

Anthony Mega, M.D.

- Scientific Review Board, Brown University Oncology Group.
- Chair, Genitourinary Subcommittee, Brown University Oncology Group.

Peter J. Quesenberry, M.D.

- Tissue Engineering Bioengineering Research Partnerships, Council ZRG1 MOSS-G 52 Application Review, NIH.
- NIDDK application review, "Liver Injury and Repopulation by Bone Marrow Stem Cells".
- NCI P01 Review, Stem Cell Transplantation Cluster Review.
- Review of RFA-HL-04-017, Specialized Centers for Cell-based Therapy and Data and Coordinating Center.
- National Stem Cell Bank Review, NCRR Special Emphasis Panel.
- NHLB Review, Specialized Centers for Cell-based therapy and data and coordinating center.
- Biomedical Research Council, evaluation of research proposal, The Agency for Sciences Technology in Research in Singapore, Phone review.

- ▶ NIDDK Cellular Niches Workshop.
- ▶ Translational Research Review, Leukemia & Lymphoma Society.
- ▶ Center for Scientific Review, Study Section Meeting, brain disorders and clinical neuroscience.
- ▶ Translational Research Grant Review, Leukemia & Lymphoma Society.
- ▶ BDCN Member Conflicts Special Emphasis Panel, NIH.
- ▶ Peer Reviewed Medical Research Program, Blood-Related Cancer Panel, AIBS.
- ▶ NIDDK Special Emphasis Panel, ZDK1 GRB-9 (J1).
- ▶ Translational Research Grant Review, Leukemia & Lymphoma Society.
- ▶ Site Visit, City of Hope Comprehensive Cancer Center, Duarte, CA.
- ▶ Regional Editor, Forum.
- ▶ Section Editor, Leukemia.
- ▶ Editor, Central European Journal of Biology (CEJB).
- ▶ Editorial Board, American Journal of Hematology.
- ▶ Associate Editor, Experimental Hematology.
- ▶ Lead Reviewer, Stem Cells.

Alan Rosmarin, M.D.

- ▶ NIH Cancer and Molecular Pathology, ad hoc member.
- ▶ American Cancer Society, Research Council.
- ▶ Scientific and Medical Research Funding Working Group of the California Institute of Regenerative Medicine (California Stem Cell Initiative), alternate member.

Howard Safran, M.D.

- ▶ National Cancer Institute, GI Cancer Steering Committee
- ▶ RTOG Medical Oncology, GI Committee Chair
- ▶ Main leader in development of Intergroup esophageal cetuximab trial RTOG-0436.
- ▶ Main leader in development of upcoming intergroup adjuvant pancreatic trial.
- ▶ NCI/CTEP Pancreatic cancer task force.
- ▶ NCI/CTEP Esophagogastric task force.
- ▶ Editor, GI Oncology, Up-to-Date Online.

Fred Jay Schiffman, M.D.

- ▶ Workshop Leader, “Morning Report”, Association of Program Directors in Internal Medicine, San Diego, CA.
- ▶ Workshop Leader, “Advancing your (and your program’s) academic agenda as Chief Resident”, Association of Program Directors in Internal Medicine, San Diego, CA.

William M. Sikov, M.D.

- ▶ CALGB – Board of Directors.

Rochelle Strenger, M.D.

- ▶ Cancer Control Committee.

Nancy L. Thompson, Ph.D.

- ▶ Ad hoc reviewer for Cancer Research, Cancer, Cancer Detection and Prevention, International J Cancer, American J Pathology, Journal of Biological Chemistry, Biochem. Biophys Acta, Molecular Carcinogenesis, Free Radical Biology & Medicine, Cancer Letters.
- ▶ National Advisory Board, FASEB Minority Access to Research Careers (MARC) Program.
- ▶ RIH Radiation Safety Committee.
- ▶ Lifespan Developmental Grant Review Study Section.
- ▶ RIH Department of Surgery Trauma and Inflammation Training Grant, Intramural Advisory Committee.
- ▶ Brown University Committee on Medical Faculty Appointments (CMFA).
- ▶ Brown University Office of Women in Medicine Advisory Board.
- ▶ Brown BioMed Division: Dean’s Task Force on Graduate and Postdoctoral Training.
- ▶ Federation of American Societies for Experimental Biology Science Award Committee; Chairman.
- ▶ Federation of American Societies for Experimental Biology Minority Access to Research Career Advisory Board.
- ▶ Outside reviewer: promotion dossiers, Academic Promotions Committees: Dept. of Pathology and Lab Med, Univ. North Carolina, Chapel Hill; National Cancer Institute, Intramural Program; Dept. Pathology and Lab Med, University of Toronto, Canada; Dept. Surgery, Emory University; Chair, External Review Committee, Dept. Pathology and Lab Medicine, University North Carolina, Chapel Hill.

Edward G. Wittels, M.D.

- ▶ Secretary Board of Directors, The Miriam Independent Physicians Association.
- ▶ Finance Committee, University Medicine Foundation.
- ▶ Investment Committee, University Medicine Foundation.
- ▶ Nominating Committee for Board Members, University Medicine Foundation.
- ▶ Clinical Operations Strategic Committee, University Medicine Foundation.
- ▶ Tumor Board Conference.
- ▶ Chairman, Cancer Control Committee.

- ▶ Department of Medicine Staff Selection Committee.
- ▶ Thoracic Tumor Board Conference.
- ▶ Medical Clerkship Coordinators Committee.
- ▶ Department of Medicine Teaching Incentive Committee.
- ▶ Search Committee, Physician, Division of Hematology/Oncology, Memorial Hospital of Rhode Island.
- ▶ Search Committee, Physician, Division of Hematology/Oncology, Rhode Island Hospital.
- ▶ Search Committee, Physician, Division of Hematology/Oncology, The Miriam Hospital.

Zhongfa Yang, Ph.D.

- ▶ Instructor of Medicine, Research Associate.

TEACHING ACTIVITIES

Education Honors and Awards

Jason Aliotta, M.D.

- ▶ Outstanding Teaching Award, Pulmonary Pathophysiology Small Group Leader, The Warren Alpert Medical School of Brown University.

James M. Butera, M.D.

- ▶ Brown University Dean's Excellence in Teaching Award.
- ▶ The Warren Alpert Medical School of Brown University Dean's Teaching Excellence Award.

Ravitharan Krishnadasan, M.D.

- ▶ The Warren Alpert Medical School of Brown University, Dean's Teaching Excellence Award.

Anthony Mega, M.D.

- ▶ Dean's Teaching Excellence Award, Bio 350: Pathophysiology-Hematology, Brown Medical School.
- ▶ Teaching Recognition Award for Clinical Faculty, Warren Alpert Medical School, Brown University.
- ▶ House Staff Teaching Award, The Miriam Hospital.

Peter J. Quesenberry, M.D.

- ▶ Paul Calabresi, M.D., Professorship in Oncology at Brown University/Rhode Island Hospital.

Alan Rosmarin, M.D.

- ▶ Dean's Teaching Award.

Fred J. Schiffman, M.D.

- ▶ The Warren Alpert Medical School of Brown University, Beckwith Family Award for Outstanding Teaching.
- ▶ The Warren Alpert Medical School of Brown University,

MC Faculty Award in honor and with gratitude for teaching and mentoring.

- ▶ The Warren Alpert Medical School of Brown University Dean's Teaching Excellence Award in recognition of Exemplary Teaching.
- ▶ M & M Conferences (organizer and leader)
- ▶ Hematology Pathophysiology Course (small group leader)

William M. Sikov, M.D.

- ▶ Warren Alpert Medical School of Brown University Dean's Teaching Excellence Award "in recognition of exemplary teaching" for Integrated Hematology course.

Rochelle Strenger, M.D.

- ▶ Course Leader, Elective in Clinical Hematology/IOncology (Biomed 311A).
- ▶ Course Leader, Physical Diagnosis, Miriam Hospital, (BioMed 373-4)
- ▶ Course Leader, Elective in Clinical Hematology/Oncology for Postgraduate Years One, Two, and Three.

Edward G. Wittels, M.D.

- ▶ Dean's Teaching Excellence Award, Bio 350: Pathophysiology-Hematology, Brown Medical School.
- ▶ Site Director, The Miriam Hospital, Bio 350: Core Clinical Clerkship in Medicine, Brown Medical School.
- ▶ Co-Leader, Bio 350: Pathophysiology-Hematology, Brown Medical School.
- ▶ Co-leader, Bio 3510A: Integrative Pathophysiology-Hematology, Warren Alpert Medical School, Brown University.

TEACHING RESPONSIBILITIES

Deborah Britt, Ph.D.

- ▶ Course Leader, Bio 284 Topics in Pathobiology: Molecular Mechanisms of Carcinogenesis.
- ▶ Course Organizer, Bio 285 Introduction to Faculty Research.

Anthony Mega, M.D.

- ▶ Director, Hematology/Oncology Fellowship.

HEMATOLOGY/ONCOLOGY FELLOWSHIP PROGRAMS**Graduates 2005:**

Fellow	Medical School	Residency Program	Post-Fellowship Position
Douglas Brandoff, M.D.	Mt. Sinai School of Medicine New York, NY	Lahey Clinic Burlington, VT	Fellowship Massachusetts General Hospital, Boston, MA
Bharti Chauhan, M.D.	Pandit JJM Medical College Raipur, India	Brown University, Memorial Hospital of RI, Pawtucket, RI	Private practice Roger Williams Medical Center, Providence, RI
Samir Desai, M.D.	Northeastern Ohio Universi- ties of Medicine Rootstown, OH	Summa Health System Akron, OH	Private practice Portland, Oregon
Ronald Harris, DO	Lake Erie College of Osteo- pathic Medicine, Erie, PA	Temple University, Cone- maugh Valley Memorial Hospital, Johnstown, PA	Private practice Binghamton, NY
Linda Ries, M.D.	University of Vermont Burlington, VT	Brown University-Rhode Island Hospital, Providence, RI	Private practice Montana

Graduates 2006:

Fellow	Medical School	Residency Program	Post-Fellowship Position
Mark Barnett, M.D.	Southern Illinois University Springfield, IL	Brown University Rhode Island Hospital The Miriam Hospital Providence, RI	Rocky Mountain Health Center, Denver, CO
Ariel Birnbaum, M.D.	Medical College of Ohio Toledo, OH	University of Minnesota Minneapolis, MN	Oncologist, Rhode Island Hospital, Providence, RI
Kurt Demel, M.D.	University of Cincinnati Cincinnati, OH	Health Alliance of Greater Cincinnati, Cincinnati, OH	Minneapolis, St. Paul
Ursula Reusch, M.D.	University of Missouri Columbia, MO	Brown University Rhode Island Hospital – The Miriam Hospital, Providence, RI	Drs. Sambandam & Joseph practice, Cranston, RI

Graduates 2007:

Fellow	Medical School	Residency Program	Post-Fellowship Position
David Benton, M.D.	University of Connecticut Farmington, CT	Brown University Rhode Island Hospital-The Miriam Hospital, Providence, RI	Maine Center for Cancer Medicine
Devon Evans, M.D.	Jefferson Medical College Philadelphia, PA	Beth Israel Deaconess Medical Center, Boston, MA	Maine Center for Cancer Medicine
Neil Zakai, M.D.	University of Virginia Charlottesville, VA	University of Vermont Burlington, VT	University of Vermont Burlington, VT

SELECTED PUBLICATIONS

Jason Aliotta, M.D.

- Aliotta JM, Keaney P, Passero M, Dooner MS, Pimentel J, Greer D, Demers D, Foster B, Peterson A, Dooner G, Theise ND, Abedi M, Colvin GA, Quesenberry PJ: Bone marrow production of lung cells: the impact of G-CSF, cardiotoxin, graded doses of irradiation and subpopulation phenotype. *Exp Hematol* 34(2):230–241, 2006.
- Aliotta JM, Passero MA, Meharg J, Klinger J, Dooner MS, Pimentel J, Quesenberry PJ: Stem cells and pulmonary metamorphosis: new concepts in repair and regeneration. *J Cell Physiology* 204(3):725–741, 2005.
- Quesenberry PJ, Colvin GA, Abedi M, Dooner G, Dooner M, Aliotta J, Keaney P, Luo L, Demers D, Peterson A, Foster B, Greer D: The stem cell continuum. *Ann NY Acad Sci* 1044:228–35, 2005.
- Aliotta JM, Sanchez-Guijo FM, Dooner GJ, Johnson KW, Dooner MS, Greer KA, Greer D, Pimentel J, Kolankiewicz LM, Puente N, Faradyan S, Ferland P, Bearer EL, Passero MA, Abedi M, Colvin GA, Quesenberry PJ: Alteration of marrow cell gene expression, protein production, and engraftment into lung by lung-derived microvesicles: A novel mechanism for phenotype modulation. *Stem Cells* 25:2245–2256, 2007.

Ariel Birnbaum, M.D.

- Birnbaum A, Ready N: Gefitinib therapy for non-small cell lung cancer. *Curr Treatment Opinions in Oncology*, 6:75–81, 2005.

Deborah Britt, Ph.D.

- Resnick MB, Gavilanez M, Newton E, Konkin T, Bhattacharya B, Britt DE, Sabo E, Moss S: Claudin Expression in Gastric Adenocarcinomas: A Tissue Microarray Study with Prognostic Correlation. *Human Pathol* 2005; 36(8):886–892.

James Butera, M.D.

- Tirado CA, Meloni-Ehrig AM, Wallenhorst E, et al: Dicentric: An uncommon cytogenetics abnormality in myeloid malignancies. *Cancer Genet Cytogenet* 2006;170(1):61–4.

Devasis Chatterjee, Ph.D.

- Yuan PZ, Guan AY, Chatterjee D, Chin YE: Reversible acetylation of a single lysine residue within the C-terminal region of STAT3 regulates STAT3 dimerization. *Science*, 307:269–273, 2005.
- Chatterjee D, Yuan Z, Bonavida B, Darnowski J, Chin E: RKIP inhibits IL-6 mediated activation of

STAT3 in prostate cancer cells. *Proc Amer Assoc Cancer Res*, 46:962, 2005.

- Darnowski JW, jGoulette FA, Guan Y, Chatterjee D, Cousens LP, Chin YE: STAT3 cleavage by caspases: Impact on full-length STAT3 expression, fragment formation, and transcriptional activity. *J Biol Chem*, 281:17707–17, 2006.
- Chatterjee D, Sabo E, Zahir I, Resnick MB: Inverse correlation between RKIP and STAT3 expression and clinical outcome of gastric adenocarcinoma patients. *Proc Amer Assoc Cancer Res*, 47:1919, 2006.
- Chatterjee D, Graeber CT, Wang JL, Darnowski JW, Pisano C, Chin EC: Inhibition of STAT3 activation by the camptothecin analog ST2617 in human cancer cells. *Proc Amer Assoc Cancer Res*, 48:766, 2007.

Gerald Colvin, D.O.

- Quesenberry PJ, Dooner G, Colvin G, Abedi M: Stem cell biology and the plasticity polemic. *Exp Hematol* 2005;33:389–94.
- Ballen KK, Colvin G, Dey BR, Porter D, Westervelt P, Spitzer TR, Queenberry PJ: Cellular immune therapy for refractory cancers: Novel therapeutic strategies. *Exp Hematol* 2005; 33:1427–35.
- Colvin GA, Dooner MS, Dooner GJ, Sanchez-Guijo FM, Demers D, Abedi M, Ramanathan M, Chung S, Pascual S, Quesenberry PJ: The stem cell continuum: Directed differentiation hotspots. *Exp Hematol* 2007; 35:96–107.
- Colvin GA, Lambert JF, Dooner MS, Cerny J, Quesenberry PJ: In vivo murine allogeneic homing. *J Cell Physiol.* 2007 May;211(2):386–91.
- Quesenberry PJ, Colvin G, Dooner G, Dooner M, Aliotta JM, Johnson K: The stem cell continuum: Cell cycle, injury, and phenotype lability. *Ann NY Acad Sci* 2007 Mar 14; [Epub ahead of print].

Maria Constantinou, M.D.

- Constantinou M, Rathore R, Sweeney J, et al: Transfusion related acute lung injury in a patient with metastatic melanoma following random donor platelet transfusion: A case report and review of the literature. *J Am Med Assoc*.

James W. Darnowski, Ph.D.

- Cousens LP, Goulette FA, Calabresi P, Darnowski JW: IFN γ -mediated signaling inhibits Fas Ligand-induced apoptosis independent of de novo protein synthesis. *J Immunol.*, 174: 320–327, 2005.
- Chatterjee D, Yuan Z, Bonavida B, Darnowski J, Chin YE: RKIP inhibits IL-6 mediated activation

of Stat3 in DU145 prostate cancer cells. *Proc. Amer. Assoc. Cancer Res.*, 46: 225, 2005.

- ▶ Darnowski JW, Cousens L P, Chatterjee D, Goulette FA: Caspase-mediated STAT protein cleavage: biochemical and functional analysis. *Proc. Amer. Assoc. Cancer Res.*, 46: 632, 2005.
- ▶ Darnowski J W, Cousens LP, Chatterjee D, Goulette F A: STAT protein demolition by caspases: cellular and functional analysis. *J. Biol. Chem.*, 281: 17707–17717, 2006.

Karen C. Drumea, M.D.

- ▶ Ho AY, Atencio DP, Peters S, Stock RG, Formenti SC, Cesaretti JA, Green S, Haffty B, Drumea K, Leitzin L, Kuten A, Azria D, Ozsahin M, Overgaard J, Andreassen CN, Bernstein J, Rosenstein BS: Genetic predictors of adverse radiotherapy effects: The Gene-PARE Project. *Int J Rad Onc Biol Phys*, 65(3):646–655, 2006.

Loren D. Fast, Ph.D.

- ▶ Murphy SP, Fast LD, Hanna NN, Sharma S: Uterine NK Cells Mediate Inflammation-Induced Fetal Demise in IL-10-Null Mice. *J Immunol* 175:4084–4090, 2005.
- ▶ Fast LD, DiLeone G, Li J, Goodrich R: Functional inactivation of white blood cells by Mirasol treatment. *Transfusion* 46:642–648, 2006.
- ▶ Fast LD, DiLeone G, Cardarelli G, Li J, Goodrich R: Mirasol PRT treatment of donor leukocytes prevents the development of xenogeneic graft-versus-host disease in Rag2^{-/-} c^{-/-} double knockout mice. *Transfusion* 46:1553–60, 2006.
- ▶ Fast LD: Microchimerism: a lasting legacy of transfusion? *Transfusion*, 46:1856–1858, 2006.
- ▶ Rucevic J, Fast LD, Jay GD, Trespalcios FM, Sucov A, Siryaporn E, Lim YP: Altered levels and molecular forms of granzyme K in plasma from septic patients. *Shock* 27:488–493, 2007.

Edward J. Filardo, Ph.D.

- ▶ Thomas P, Pang Y, Filardo EJ, Hixson DJ: Identity of a membrane estrogen receptor coupled to a G-protein in human breast cancer cells. *Endocrinol* 146:624–632, 2005.
- ▶ Filardo EJ, Thomas P: GPR30: a seven-transmembrane-spanning estrogen receptor that triggers EGF release. *TRENDS in Endocrin & Metab.* 16:362–367, 2005.
- ▶ Sanchez-Esteban J, Wang Y, Filardo EJ, Rubin L, Ingber D: Integrins $\alpha 1$, $\alpha 6$ and $\alpha 3$ contribute to mechanical strain-induced differentiation of fetal type II cells via distinct mechanisms. *Am J Physiol Lung Cell Mol Physiol* 290:343–350, 2005.

- ▶ Filardo EJ, Graeber CT, Quinn JA, Resnick MB, Giri D, DeLellis RA, Steinhoff MA, Sabo E: Distribution of GPR30, a seven-membrane-spanning estrogen receptor, in primary breast cancer and its association with clinicopathological determinants of tumor progression. *Clin Cancer Res* 12:6359–66, 2006.

- ▶ Filardo EJ, Quinn JA, Graeber CT, Shaw S, Pang Y, Dong J, Thomas P: Activation of the novel estrogen receptor, CPR30, at the plasma membrane. *Endocrinol*, in press 2007.

Douglas C. Hixson, Ph.D.

- ▶ Lawson EL, Clifton JG, Huang F, Li X, Hixson DC, Josic D: Use of magnetic beads with immobilized monoclonal antibodies for isolation of highly pure plasma membranes. *Electrophoresis*, 27: 2747–2758, 2006.
- ▶ Josic D, Brown MK, Huang F, Lim YP, Rucevic M, Clifton JG, Hixson DC: Proteomic characterization of inter-alpha inhibitor proteins from human plasma. *Proteomics*, 6: 2874–2885, 2006.
- ▶ Lim YP, Josic D, Callanan H, Brown J, Hixson DC: Affinity purification and enzymatic cleavage of inter-alpha inhibitor proteins using antibody and elastase immobilized on CIM monolithic disks. *J Chromatog A*, 1065:39–43, 2005.
- ▶ Laurie NA, Comegys MM, Carreiro MP, Brown JF, Flanagan DL, Brilliant KE, Hixson DC: Carcinoembryonic antigen-related cell adhesion molecule 1a-4L suppression of rat Hepatocellular carcinomas. *Cancer Res*, 65:11010–11017, 2005.
- ▶ Simper-Ronan R, Brilliant K, Flanagan D, Carreiro M, Callanan H, Sabo E, Hixson DC: Cholangiocyte marker-positive and -negative fetal liver cells differ significantly in their ability to regenerate the livers of adult rats exposed to retrorsine. *Development* 133:4269–4279, 2006.

Djuro Josic, Ph.D.

- ▶ Plematl A, Demelbauer UM, Josic DJ, Rizzi A: Determination of the site-specific and isoform-specific glycosylation in human plasma-derived antithrombin by IEF and capillary HPLC-ESI-MS/MS. *Proteomics* 5, 4025–4033, 2005.
- ▶ Josic DJ, Brown MK, Huang F, Lim YP, Rucevic M, Clifton JG, Hixson DC: Proteomic characterization of inter-alpha inhibitor proteins from human plasma. *Proteomics* 6, 2874–2885, 2006.
- ▶ Rucevic M, Clifton JG, Huang F, Li X, Callanan H, Hixson DC, Josic DJ: Use of short monolithic columns for isolation of low abundance membrane proteins. *J. Chromatog A*, 1123, 199–204, 2006.

- ▶ Clifton JG, Brown MK, Huang F, Li X, Reutter W, Hofmann W, Hixson DC, Josic DJ: Identification of members of the annexin family in the detergent-insoluble fraction of rat Morris hepatoma plasma membranes. *J. Chromatogr. A* 1123, 205–211, 2006.
- ▶ Lawson EL, Clifton JG, Huang F, Li X, Hixson DC, Josic D: Use of magnetic beads with immobilized monoclonal antibodies for isolation of highly pure plasma membranes. *Electrophoresis* 27, 2747–2758, 2006.

Ravitharan Krishnadasan, M.D.

- ▶ Krishnadasan R, Bifulco C, Kim J, Rodov S, Zieske AW, Vanasse GJ: Overexpression of SOCS3 is associated with decreased survival in a cohort of patients with de novo follicular lymphoma. *British Journal of Hematology* 135:72–75, 2006.

Yow-Pin Lim, Ph.D.

- ▶ Lim YP, Josic D, Callanan H, Brown J, Hixson DC: Affinity Purification and Enzymatic Cleavage of Inter-alpha Inhibitor Proteins Using Antibody and Elastase Immobilized on CIM Monolithic Disks. *J. of Chromatography A*, 1065, 39–43, 2005.
- ▶ Opal SM, Artenstein AW, Cristofaro PA, Jhung JW, Palardy JE, Parejo NA, Lim YP: Inter-Alpha-Inhibitor Proteins Are Endogenous Furin Inhibitors and Provide Protection against Experimental Anthrax Intoxication. *Infect Immun.* Aug; 73(8):5101–5, 2005.
- ▶ Josic D, Brown MK, Huang F, Lim YP, Rucevic M, Clifton JG, Hixson HC: Proteomic Characterization of Inter-alpha Inhibitor Proteins from Human Plasma. *Proteomics May*; 6(9):2874–85, 2006.
- ▶ Rucevic M, Fast LD, Jay GD, Trespalacios FM, Sucov A, Siryaporn E, Lim YP: Altered Levels and Molecular Forms of Granzyme K in Plasma from Septic Patients. *Shock*, 27: 488–493, 2007.
- ▶ Opal SM, Lim YP, Siryaporn E, Moldawer LL, Pribble JP, Palardy JE, Souza S: Longitudinal studies of inter-alpha inhibitor proteins in severely septic patients: a potential clinical marker and mediator of severe sepsis. *Crit Care Med*, 35: 387–392, 2007.

Anthony Mega, M.D.

- ▶ Akerley W, Safran H, Ready N, Mega T, Kennedy T: Phase II trial of weekly paclitaxel and gemcitabine for previously untreated, stage IIIB–IV nonsmall cell lung cancer. *Cancer* 107(5):1050–1054, 2006.
- ▶ Squire S, Chan M, Feller E, Mega A, Gold R: An unusual case of gemcitabine-induced radiation recall. *Am J Clin Oncol* 29(6):636, 2006.

David R. Mills, Ph.D.

- ▶ Miao X-X, Xu S-J, Li M-H, Li M-W, Huang J-H, Dai F-Y, Marino SW, Mills DR, Zheng P-Y, Mita K, Jia S-H, Zhang Y, Liu W-B, Xiang H, Guo Q-H, Xu A-Y, Kong X-Y, Lin H-X, Shi Y-Z, Lu G, Zhang X, Huang W, Yasukochi Y, Sugasaki T, Shimada T, Nagaraju J, Xiang Z-H, Wang S-Y, Goldsmith MR, Lu C, Zhao G-P, Huang Y-P: Simple sequence repeat-based consensus linkage map of *Bombyx mori*. *Proc. Natl. Acad. Sci. USA* 102(45):16303–16308, 2005.
- ▶ Mills DR, Haskell M.D., Britt D, Flanagan DL, Callanan HM, Brilliant KE, Carriero MP, Hixson DC: Monoclonal antibody OC.10 against an early bile duct differentiation marker defines a cell surface epitope on Hsc70 and promotes morphogenesis of bile ducts in newborn rat liver. Accepted, under revision, *Cell Stress and Chaperones*.
- ▶ Mills DR, Haskell M.D., Britt D, Flanagan DL, Callanan HM, Brilliant KE, Carriero MP, Hixson DC: Monoclonal antibody OC.10 against an early bile duct differentiation marker defines a cell surface epitope on Hsc70 and promotes morphogenesis of bile ducts in newborn rat liver. *Experimental Biology* 2007, April 2007, Washington, DC.

Peter J. Quesenberry, M.D.

- ▶ Aliotta JM, Sanchez-Guijo FM, Dooner GJ, Johnson KW, Dooner MS, Greer KA, Greer D, Pimentel J, Kolankiewicz LM, Puente N, Faradyan S, Ferland P, Bearer EL, Passero MA, Abedi M, Colvin GA, Quesenberry PJ: Alteration of Marrow Cell Gene Expression, Protein Production, and Engraftment into Lung by Lung-Derived Microvesicles: A Novel Mechanism for Phenotype Modulation. *Stem Cells*, 25:2245–2256, 2007.
- ▶ Quesenberry PJ, Dooner G, Dooner M, Abedi M: Developmental biology: Ignoratio Elenchi: red herrings I stem cell research. *Science* 308(5725):1121–1122, 2005.
- ▶ Aliotta JM, Keaney P, Passero M, Dooner MS, Pimentel J, Greer D, Demers D, Foster B, Peterson A, Dooner G, Theise ND, Abedi M, Colvin GA, Quesenberry PJ: Bone marrow production of lung cells: The impact of G-CSE, cardiotoxin, graded doses of irradiation, and subpopulation phenotype. *Exp Hematol* 34(2):230–41, 2006.
- ▶ Quesenberry PJ: The continuum model of marrow stem cell regulation. *Curr Opin Hematol*, 13(4): 216–221, 2006.
- ▶ Frimberger AE, Moore AS, Rassnick KM, Cotter SM, O'Sullivan JL, Quesenberry PJ: A combination chemotherapy protocol with dose intensification and autologous bone marrow transplant (VELCAP-HDC) for canine lymphoma. *J Vet Intern Med* 20(2):355–364, 2006.

Alan Rosmarin, M.D.

- ▶ Resendes KK, Rosmarin AG: GABP and p300 are essential components of a retinoic acid induced enhanceosome in myeloid cells. *Mol Cell Biol*, 26:3060–3070, 2006.
- ▶ Yang Z-Y, Mott S, Rosmarin AG: The ets transcription factor GABP is required for cell cycle progression. *Nature Cell Biol*, 9:339–346, 2007.
- ▶ Rosmarin AG: Clinical challenges for treatment and a cure. In Pardee AB and Stein GS (eds.) *The Biology and Treatment of Cancer*. John Wiley & Sons, Inc. In press, 2007.

Howard Safran, M.D.

- ▶ DiPetrillo T, Milas L, Evans D, Akerman P, Ng T, Miner T, Cruff D, Chauhan B, Iannitti D, Harrington D, Safran H: Paclitaxel poliglumex (PPX-Yyotax) and concurrent radiation for esophageal and gastric cancer: a Phase I study. *Am J Clin Oncol*, 29:376–379, 2006.
- ▶ Berz D, Miner T, McCormack E, Safran H: HER family inhibitors in pancreatic cancer: current status and future directions. *Expert Opin Ther Targets*, 11:337–47, 2007.
- ▶ Tsai JY, Iannitti D, Berkenblit A, Akerman P, Nadeem A, Rathore R, Harrington D, Roye D, Miner T, Barnett M, Maia C, Hughes M, Stuart K, Kennedy T, Safran H: Phase I study of Docetaxel, Capecitabine and Carboplatin in metastatic esophagogastric cancer. *Am J Clin Oncol*, 28:329–333, 2005.
- ▶ Iannitti E, DiPetrillo T, Akerman P, Barnett JM, Maia-Acuna C, Cruff D, Miner T, Martel D, Cioffi W, Remis M, Kennedy T, Safran H: Erlotinib and chemoradiation followed by maintenance erlotinib for locally advanced pancreatic cancer: A Phase I study. *Am J Clin Oncol*, 28:570–575, 2005.
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Fred J. Schiffman, M.D.

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William M. Sikov, M.D.

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Rochelle Strenger, M.D.

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Nancy L. Thompson, Ph.D.

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Eric S. Winer, M.D.

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RESEARCH

		Direct	Indirect	Total
TOTAL BASIC RESEARCH EXPENSES	Academic Year 2005	\$2,029,659	\$708,218	\$2,737,877
FOR HEMATOLOGY/MEDICAL ONCOLOGY	Academic Year 2006	\$1,809,735	\$720,820	\$2,530,555
TOTAL CLINICAL RESEARCH EXPENSES	Academic Year 2005	\$497,145	\$93,172	\$590,317
FOR HEMATOLOGY/MEDICAL ONCOLOGY	Academic Year 2006	\$542,000	\$93,590	\$635,590

BASIC RESEARCH

Jason Aliotta, M.D.

- The New Stem Cell Biology Project 4. Roger Williams Medical Center/NCRR

Deborah Britt, Ph.D.

- Examination of a Novel Protein, LYRIC, and its Involvement in Prostate Tumor Suppression Mediated by the Cell Adhesion Molecule CEACAM1-L. Department of Defense
- Nuclear LYRIC in Prostate Cancer Development. Lifespan
- The Role of a Novel Protein, LYRIC in Development of Hepatocellular Carcinoma. Lifespan

Devasis Chatterjee, Ph.D.

- COBRE CCRD Inhibition of JAK/STAT3 Signaling by RKIP. NIH/National Center for Research Resources
- The Evaluation of Novel Camptothecin Analogs in Camptothecin-Resistant DU 145 Human Prostate Cancer Cells. Sigma-Tau Pharmaceuticals Inc

Gerald Colvin, M.D.

- Stem/Progenitor Cell Inversions With Cell Cycle Transit. NIH/National Institute of Diabetes and Digestive and Kidney Diseases
- The New Stem Cell Biology Project 5. Roger Williams Medical Center/NCRR

Loren Fast, Ph.D.

- Immunological Consequences of Transfusion. Navigant Biotechnologies, Incorporated
- Modeling immune responses to PUVA treated clonal T cell populations. Navigant Biotechnologies, Incorporated
- Polymorphisms in IL-10 Locus Predispose to Preterm Birth. Navigant Biotechnologies, Incorporated
- Induction of Alloantibodies by Mirasol Treated Cells. Therakos
- The effect of Mirasol treatment on induction of alloantibodies. V. I. Technologies, Incorporated (VITEX)
- Studies on the Effect of Riboflavin + light treatment on in vitro and in vivo immune responses of human peripheral blood nonnuclear cells. Women and Infants

Edward Filardo, Ph.D.

- Estrogen Signaling Via GPR30. American Cancer Society
- Characterization of GPR30: A Novel Estrogen Receptor. Lifespan.
- Evaluating of GPR30, a Novel Estrogen Receptor for Assessing Responsiveness to Anti-estrogen Therapy. US Department of Defense-Army

Douglas Hixson, Ph.D.

- Center for Cancer Research Development (COBRE) Proteomics. National Cancer Institute
- Molecular Determinants of Multicellular Organization. National Cancer Institute
- Cellular Origins of Liver Cancer. National Center for Research Resources
- Genesis of Liver Carcinomas With Oval Cell Traits. National Center for Research Resources
- FACTOR VIII. Octapharma Pharmaceutical

Djuro Josic, Ph.D.

- Center for Cancer Research Development (COBRE) Proteomics. National Center for Research Resources

Erica Lawson

- The Effects of CEACAM1b-4S on Tumorigenicity. National Cancer Institute

Yow-Pin Lim, M.D., Ph.D

- Therapeutic and Prognostic Application of Human Plasma Inter/alpha Inhibitor in the Management of Se. The Slater Center for Biomedical Technology
- Inter-alpha Inhibitors as Theranostic Marker and preventative Agent for Septic Complications in Cancer. Lifespan
- Inter-alpha Inhibitors in Neonatal Sepsis . Lifespan
- Immunoregulatory Role of Granzyme in Sepsis. National Institute for Child Health and Development

David Mills, Ph.D.

- Nectin-like (necl-5 Interactions with Hepatic Natural Kill (NK) Cells During Liver Regeneration and Carcinogenesis. Lifespan

Peter Quesenberry, M.D.

- ▶ Hematopoietic Circadian Rhythms. NIH/National Heart Lung & Blood Institute
- ▶ Cell Cycle Related Transdifferentiation in Lung Cells. NIH/National Institute of Diabetes and Digestive and Kidney Diseases
- ▶ The New Stem Cell Biology – Admin. Roger Williams Medical Center/NCRR
- ▶ The New Stem Cell Biology Flow . Roger Williams Medical Center/NCRR
- ▶ The New Stem Cell Biogoly - Imaging . Roger Williams Medical Center/NCRR
- ▶ The New Stem Cell Biogoly - Molecular . Roger Williams Medical Center/NCRR

Alan Rosmarin, M.D.

- ▶ Center for Genetics and Genomics. National Institutes of Health/Brown
- ▶ CFAR Infrastructure Award - Kaposi's Sacrcoma in Western Kenya. NIH/National Institutes of Health/CFAR Developmental Grant program
- ▶ The New Stem Cell Biology, COBRE. Roger Williams Medical Center/NCRR

Nancy Thompson, Ph.D.

- ▶ Director, Pathobiology Graduate Program, Brown University
- ▶ Amino Acid Regulated Gene Expression in Tumorigenesis. American Institute for Cancer Research
- ▶ Expression & Role of TA1, Oncofetal Gene in Liver Cancer. NIH/National Cancer Institute

CLINICAL RESEARCH**James Butera, M.D.**

- ▶ Phase III Study of STI571 vs. Interferon- α Combined with Cytarabine in Patients with Newly Diagnosed Previously Untreated Philadelphia Chromosome Positive Chronic Myelogenous Leukemia in Chronic Phase-CML-CP. Novartis Pharmaceuticals Corporation
- ▶ A Phase I Dose Escalation Study of CM.D.-193 in Subjects with Advanced Malignant Tumors. Wyeth Pharmaceuticals, Inc
- ▶ Phase III Study of ST1571 vs Interferon- α Combined with Cytarabine in Patients with Newly Diagnosed. Novartis Pharmaceuticals Corporation

Mary Anne Fenton, M.D.

- ▶ A Phase II Trial of Novel Epothilone BMS-247550 in patients with Advanced Breast Cancer Who are Resistent to an Anthracycline, A Taxane and Capecitabine 9CA163-081. Bristol-Myers Squibb, Inc.

Anthony Mega, M.D.

- ▶ Therion Prostate: Safety and Efficacy of PROST-VAC-VF/TRICOM in Combination with GM-CSF. Therion Biologics Corporation
- ▶ LS-P-RE-107 Interleukin-2 in an Alternative Dose (The ILIAD Trial) Treatment of Patients with Metastatic Renal Cell Carcinoma with Low-Dose Proleukin. Chiron Corporation
- ▶ BrUOG NHL-83(Eli Lilly) A Phase I Study of Escalating Doses of Gemcitabine Combined with Standard CHOP Chemotherapy with G-CSF Support (G-CHOP-G) in Patients with Intermediate/high Grade or Mantle Cell NHL. Eli Lilly and Company
- ▶ BrUOG NHL-83(Amgen) A Phase I Study of Escalating Doses of Gemcitabine Combined with Standard CHOP Chemotherapy with G-CSF Support (G-CHOP-G) in Patients with Intermediate/high Grade or Mantle Cell NHL. Amgen
- ▶ A Phase II Study of Intravenous (IV) Vinflunine in patients with Locally Advance or Metastatic Transition Cell Carcinoma (TCC) of the Urthelium. Bristol Myers Squibb
- ▶ BrUOG Pros-90 A Phase I/II Study of Taxol, Carboplatin and Colchicine (TCC) in Androgen Independent Prostate Cancer. Bristol Myers Squibb
- ▶ Docetaxel (Taxotere) Plus 6-month Androgen Suppression and Radiation Therapy vs. 6-month Androgen Suppression and Radiation Therapy with High-risk Localized or Locally Advanced Prostate Cancer: A Randomized Controlled Study. Dana Farber Center Institute
- ▶ PROS 307, A Phase II Randomized, Double Blind, Controlled Study to Evaluate the Safety and Efficacy of PROSTVAC-VF/TRICOM in Combination with GM-CSF in Patients with Androgen-Independent Adenocarcinoma of the Prostate (TBC-PRO-002). Therion Pharmaceuticals

Neal Ready, M.D.

- ▶ BrUOG ESO-78 A Phase I/II Trial of Herceptin, Paclitaxel, Cisplatin and Radiation Followed by Maintenance Herceptin for Adenocarcinomas of the Esophagus. Brown University/Genentech

- ▶ A Phase I/II Study of Estramustine, Docetaxel and Ifosfamide with Carboplatin in recurrent or Metastatic Head and Neck Squamous Cell Cancers (HN-SCC). Aventis Pharmaceuticals, Inc.
 - ▶ A Phase I Multicenter Study of Continuous Oral Administration of SCH 66336 and IV Paclitaxel in Patients with NSCLC. Schering-Plough Corporation
 - ▶ A Phase III Randomized Trial of Active Immunotherapy with a Polyvalent Melanoma Vaccine (C-VAX) versus Biotherapy with Interferon α -2b as a Post-Surgical Treatment for Stage III Melanoma (BrUOG Mel A-118). Brown University/Wayne
 - ▶ Brown University Oncology Group (BrUOG) Protocols. Brown University/Bristol Myers
 - ▶ Topotecan for Relapsed Small Cell Lung Cancer. Brown University
 - ▶ BrUOG-NSCL-99 Neoadjuvant Carboplatin with Weekly paclitaxel in Resectable Non-small Cell Lung Cancer: A Phase II Study. Bristol-Myers Squibbs, Inc.
 - ▶ BrUOG Hn 204, Concurrent Chemoradiotherapy with Cetuximab for Stage III and IV Locally Advanced Squamous Cell Carcinoma of the Head and Neck-A Phase II Trial . Bristol-Myers Squibbs, Inc.
 - ▶ A Randomized, Partially Blinded, Phase II Study to Assess the Safety, Tolerability and Efficacy of ZD6474 Alone or in Combination with Paclitaxel and Carboplatin in Subjects with Previously Untreated Locally Advanced or Metastatic NSCLC. AstraZeneca
 - ▶ Sigma-Tau- ST 01-401 Phase I Study of Oral St 1481 Administered Once Weekly Every 3 out of 4 Weeks in Patients with Advanced Solid Malignancies. Sigma-Tau Pharmaceuticals Inc.
 - ▶ Randomized Study of Docetaxel Versus Docetaxel Plus Genasense in Patients with Previously Treated Non-Small Cell Lung Cancer. Genta Incorporated
 - ▶ A Two-Part, Multiple Dose Clinical Trial of Safety and Efficacy of ABX-EGF in Combination with Paclitaxel and Carboplatin in Patients with Advanced NSCLC (LU303). Amgen, Inc.
 - ▶ A Phase 3 Randomized Study of Lonafarnib in Combination with Paclitaxel and Carboplatin vs. Placebo in Combination with Paclitaxel and Carboplatin in Patients with Non-Small Cell Lung Cancer. Schering-Plough Corporation
 - ▶ SP-P00370 A Phase I Multicenter Study of Continuous Oral Administration of SCH 66336 and IV Paclitaxel in Patients with Advanced Cancer . Schering-Plough Corporation
 - ▶ Sunbelt Melanoma Trial: A Multicenter Trial of Adjuvant Interferon Alfa-2B for Melanoma Patients with Early Lymph Node Metastasis Detected by Lymphatic Mapping and Sentinel Lymph Node Biopsy . Schering-Plough Corporation
 - ▶ A Multicenter, Open Label Randomized Study of Three Schedules of Weekly Taxol Induction Therapy Followed by Weekly Taxol Maintenance Therapy in Metastatic Breast Cancer Patients. Theradex
 - ▶ BrUOG H & N 86 Induction Chemotherapy with Weekly Taxol, Ifosfamide, and Carboplatin Followed by Concurrent Weekly Taxol and Carboplatin and Radiotherapy in Locally Advanced Head and Neck Cancers. Bristol-Myers Squibb, Inc.
 - ▶ A Phase III Randomized Trial of Active Immunotherapy with a Polyvalent Melanoma Vaccine (C-VAX) Versus Biotherapy with Interferon α -2b as a Post-Surgical Treatment for Stage III Melanoma. Brown University/NCI/John Wayne Cancer Institute
 - ▶ Outpatient Concurrent Chemo-Biotherapy for Metastatic Malignant Melanoma Phase II. Chiron Corporation
 - ▶ Outpatient Concurrent Chemo-Biotherapy for Metastatic Malignant Melanoma, Phase II. Schering Corporation
 - ▶ The SILVA Study: Survival in International Phase III Prospective Randomized LD Small Cell Lung Cancer Vaccination Study with Adjuvant BEC2 and BCG. Imclone Systems Incorporated
 - ▶ BrUOG Mel-A-119: A Phase III Randomized, Double-blind, Trial of Immunotherapy with Polyvalent Melanoma Vaccine (C-VAX) plus BCG vs. Placebo Plus BCG as a Post-Surgical Treatment for Stage IV Melanoma. Brown University
- Alan Rosmarin, M.D.**
- ▶ An Open-label, Randomized Study to Develop a Screening Tool for Functional Capacity in Anemic Subjects with Nonmyeloid Malignancies Receiving Chemotherapy with Darbeoetin also (NESP). Amgen
 - ▶ GABP Transcription Factor in Myeloid Differentiation. NIH/National Heart Lung and Blood Institute
 - ▶ BrUOG M.D.S-85 Phase I/II Study of ONTAK in the Treatment of Myelodysplastic Syndromes. Brown University
- Howard Safran, M.D.**
- ▶ A Randomized, Partially Blinded, Phase II Study to Assess the Safety, Tolerability and Efficacy of ZD6474 Alone or in Combination with Paclitaxel and Carboplatin in Subjects with Previously Untreated Locally Advanced or Metastatic NSCLC. AstraZeneca

- ▶ A Phase I Study of Hepatic Arterial Infusion of Oxaliplatin in Advanced Hepatocellular Carcinoma. Roger Williams Hospital
- ▶ BrUOG R-201 Phase II Study of Bevacizumab, Oxaliplatin, 5-Fluorouracil and Radiation in Rectal Cancer. Sanofi-Synthelabo
- ▶ BrUOG ESO-78 A Phase I/II Trial of Herceptin, Paclitaxel, Cisplatin and Radiation Followed by Maintenance Herceptin for Adenocarcinomas of the Esophagus. Brown University/Genentech
- ▶ LS-P-PA103 Randomized Phase II Trial to Evaluate the Effect of Gemcitabine Plus R115777 Versus Gemcitabine Plus Placebo on Time to Deterioration in Patients with Advanced Pancreatic Cancer (R115777-INT-16). PRA/Janssen
- ▶ A Phase II Study to Determine the Antitumor Activity of Farnesyltransferase Inhibitor R115777 in Subjects with Relapse Small Cell Lung Cancer. Janssen Pharmaceuticals/Brown University
- ▶ Radiation Therapy Oncology Group. Brown University
- ▶ BrUOG MEL-69 Outpatient, concurrent Chemo-Biotherapy (Cisplatin, Temozolomide, Interleukin-2 and Interferon Alpha-2b) For Metastatic Malignant Melanoma, Phase II. Brown University/Integrated
- ▶ BRUOG R-201 Phase II Study of Bevacizumab, Oxaliplatin, 5-FU and Radiation in Clinical Stage II-III Rectal Cancer. Genetech, Inc
- ▶ Herceptin and Gemcitabine for Metastatic Pancreatic Cancers That Overexpress Her2/NEU. Genetech, Inc
- ▶ BrUOG PA-77 Herceptin and Gemcitabine for Metastatic Pancreatic Cancers that Overexpress HER-2/neu. Lilly Research Laboratories
- ▶ BrUOG PA-77 Phase II Study of Herceptin and Gemcitabine For Metastatic Pancreatic Cancers That Overexpress HER-2/Neu. Lilly Research/Brown University
- ▶ A Phase I Study of Hepatic Arterial Infusion of Oxaliplatin in Advanced Hepatocellular Carcinoma. Roger Williams Hospital
- ▶ A Phase I Trial of CT-2103, Cisplatin and Radiation for Esophageal and Gastric Cancer. Cell Therapeutics, Inc
- ▶ Phase I/II Study of Capecitabine/Taxotere and Carboplatin in Metastatic Adenocarcinoma of the Esophagus and Stomach. Aventis Pharmaceuticals, Inc
- ▶ Phase I Trial of Tarceva, Gemcitabine, Paclitaxel and Radiation for Locally Advanced Pancreatic Cancer. Genentech, Incorporated
- ▶ A Compassionate Use Study of Oxaliplatin for Previously Treated Colorectal Cancer Patients-LTS7072a/0164. Sanofi-Synthelabo
- ▶ An Open Label Phase I Study to Evaluate the Safety and Tolerability of rV-CEA(6D)/TRICOM Admixed with rV-MUC-1, followed by rF-CEA(6D)/TRICOM in Combination with GM-CSF in Subjects with Unresectable Adenocarcinoma of the Pancreas. Therion Biologics Corporation
- ▶ BrUOG EG-103 A Phase I/II Trial of Oxaliplatin, Taxotere and Capecitabine in Advanced CA of the Esophagus and Stomach. Sanofi-Synthelabo
- ▶ Outreach and Intensive Care Management for HIV-Positive Ex-Offenders. Sigma-Tau Pharmaceuticals Inc.
- ▶ Safety and Efficacy of Oral Gimatecan Administered on a dx4 Schedule every 28 Days as Second line Therapy for Metastatic Colorectal Cancer in Patients without Previous to Camptothecins, a Phase II Trial . Sigma-Tau Pharmaceuticals Inc.
- ▶ BrUOG EG 203 Cetuximab, Paclitaxel, Carboplatin and Radiation for Esophageal, Gastroesophageal Junction and Gastric Cancer. Bristol Myers Squibb
- ▶ A Double-blind, Placebo Controlled, Minimized Phase III Study Comparing Marimastat to Placebo as Adjuvant Therpay in Patients with Resectable Pancreatic Cancer. Brown University
- ▶ An Open Label Phase I Study to Evaluate the Safety and Tolerability of rV-CEA(6D)/TRICOM Admixed with rV-MUC-1, followed by rF-CEA(6D)/TRICOM in Combination with GM-CSF in Subjects with Unresectable Adenocarcinoma of the Pancreas. Orion Clinical Services Inc./Therion
- ▶ Concurrent Chemoradiotherapy with Cetximab for Stage III& IV Locally Advanced Squamous Cell Carcinoma of Head and Neck (SCCHN): a Phase II Trial. Bristol-Myers Squibb, Inc.
- ▶ LS-P-GA101 “A Phase II Study of Epothilone Analog BMS-247550 in patients with Metastatic Gastric Adenocarcinoma Previously Treated with a Taxane. Bristol-Myers Squibb, Inc.
- ▶ BrUOG PA 205 A Phase I Trial of GW572016, Gemcitabine and Oxaliplatin for Metastatic Pancreaticobiliary Cancer. GlaxoSmithKline
- ▶ A Phase I Trial of CT-2103, Cisplatin and Radiation for Esophageal and Gastric Cancer. Cell Therapeutics, Inc.
- ▶ BrUOG PA 209- Lapatinib and Gemcitabine for Metastatic Pancreatic Cancer: A Phase II Trial. GlaxoSmithKline

- BrUOG ES-88 Phase I/II Trial of Capecitabine, Taxotere, and Carboplatin in Metastatic Adenocarcinoma of the Esophagus and Stomach. Roche Laboratories
- LS-P-PA-109 A Randomized, Open-Label, Multicenter Phase III Study Comparing the Efficacy and Safety of a Combination of Intravenous DX-8951F (exatecan mesylate) plus Gemcitabine to Gemcitabine Alone in Patients with Locally Advanced or Metastatic Cancer. Daiidhi Pharmaceutical
- Percutaneous Radiofrequency Ablation of Bone Metastases Using CT Guidance. Radionics Instruments/ Brown University
- Radiation Therapy Oncology Group Chair of Gastrointestinal medical Oncology Committee. NIH/National Cancer Institute/American College of Radiology
- BrUOG EG 103 A Phase I/II Trial of Oxaliplatin, Taxotere and Capecitabine in Advanced CA of the Esophagus and Stomach. Roche Laboratories
- BMS CA 163-012-010 A Phase II Study of Etoposide analog BMS-247550 in Patients with Metastatic Colorectal Cancer Previously Treated with a Fluoropyrimidine and Irinotecan. Bristol-Myers Squibb, Inc.
- LS-P-CO104 A Multicenter, Open-Label, Randomized, Two-Arm Study of Irinotecan (CPT-11) versus the combination of Oxaliplatin + Irinotecan (CPT-11) as Second-Line Treatment of Metastatic Colorectal Carcinoma (SR96669, EFC 4585). Sanofi-Synthelabo
- BrUOG-BR-95 Weekly Paclitaxel and q 4 week Carboplatin (+/- herceptin) as Neoadjuvant Therapy in Resectable and Unresectable (stage IIA-IIIB) Breast Cancer. Genentech, Inc
- A Randomized, Open Label, Multicenter Study of Primary Prophylaxis with Neulasta Versus Secondary Prophylaxis as and Adjunct to Chemotherapy in Elderly Subjects with Cancer. Amgen, Incorporated
- An Open Label Randomized Phase III Study of Intermittent Oral Capecitabine in combination with I.V. Oxaliplatin (q3w) (Xelox) vs. Bolus and Continuous Infusion 5FU, I>V> Leucovorin w/Oxaliplatin (q2w) (Folfox4) as First Treatment for Patients w/Locally. Roche Laboratories
- Gemcitabine and Capecitabine in Advanced Breast Cancer: A BrUOG Phase II Study. Lilly Research/ Brown University
- An Open-label, Randomized Phase III Study of Intermittent Oral Capecitabine in Combination with Intravenous Oxaliplatin (q3W) ("XELOX") versus Bolus and Continuous Infusion Fluorouracil/Interavenous Leucovorin with Interavenous Oxaliplatin (Q2W) ("FOLFOX4") as Frist-line Treatment for Patients Metastatic Colorectal Cancer. Roche Laboratories
- Gemcitabine and Capecitabine in Advanced Breast Cancer: A BrUOG Phase II Study. Roche Laboratories
- Multicenter Phase II Study of Herceptin and Navelbine as First-Line Therapy for HER2-Positive, metastatic Breast Cancer. Dana Farber Cancer Institute/Glaxo
- Cancer and Leukemia Group B Foundation. Cancer and Leukemia Group B Foundation/U. Chicago
- A Phase II Study of Weekly Dose-Dense Nanoparticle (ABI-007), Carboplatin With Hereceptin as First Or Second-Line Therapy of Advanced HER-2 Positive Breast Cancer. American Bioscience Incorporated

William Sikov, M.D.

- A Randomized Multicenter, Phase II Study of Bolus/ Infusion 5FU/LV (de Gramont Regimen) vs Oxaliplatin and Bolus Infusion 5-FU/LV (de Gramont Regimen) as Third-Line Treatment of Patients with Metastatic Colorectal Carcinoma. Catalyst Oncology
- CALGB Foundation Grant. University of Chicago
- CALGB Main Member Support Program. University of Chicago/NCI
- CALGB-Surgery. University of Chicago/NCI
- A Multicenter, Open-label, Randomized, Two-arm Study of Irinotecan (CPT-11) versus the combination of Oxaliplatin and Irinotecan (CPT-11) as Second Line Treatment of Metastatic Colorectal Carcinoma. Sanofi-Synthelabo
- A Phase II Study of Glutamine Supplementation in Patients Receiving Weekly Taxol for Metastatic Breast on Non-Small Cell Lung Cancers. Boston University/ Bristol-Myers
- A Randomized Multicenter, Phase II Study of Bolus/ Infusion 5FU/LV vs Oxaliplatin and Bolus Infusion 5-FU/LV as Third-Line Treatment of Patients with Metastatic Colorectal Carcinoma EFC 4760. Prologue Research International, Inc/Sanofi
- BrUOG-BR-95 Weekly Paclitaxel and q 4 week Carboplatin (+/- Herceptin) as neoadjuvant Therapy in Resectable and Unresectable (stage IIA-IIIB) Breast Cancer. Bristol Myers Squibb
- NSABP Breast Cancer Prevention Trial. Dana Farber Cancer Institute/NCI

Rochelle Strenger, M.D.

- NSABP Breast Cancer Prevention Trial. Dana Farber Cancer Institute/NCI

HOSPITALIST MEDICINE

OVERVIEW

Rhode Island's first inpatient group inaugurated on August 7, 1996. This was a ground breaking move especially given the fact that the term 'hospitalist' had not yet been coined. The program, originally under the Division of General Internal Medicine, began modestly with three full time physicians. Initially, the role of the inpatient group was to cultivate relationships with community physicians and a marketing campaign was launched. A patient brochure was designed to provide an explanation to patients about the new Internal Medicine Inpatient Service (hereby designated as IMIS). Physicians were invited to sign up with this new program that provided inpatient care to their patients giving them the advantage of remaining in their offices as opposed to making a hospital visit. The IMIS program established formal links with the patients Primary Care Physicians. Communication was established at the time of admission and discharge via fax or phone call; discharge summaries sent once available.

Over time the momentum of the hospitalist movement began to gain significant ground. Many outpatient practitioners realized that hospital medical practice was becoming an increasingly complex endeavor: managing a sicker inpatient load; ordering and following up on tests; interacting with consultants and so forth. The result was that demand for the inpatient group grew and in October 1999 the program was further expanded and two additional physicians were added to complement the existing three. During this year all other non-teaching services at Rhode Island Hospital (which had existed as separate entities) were folded into the IMIS program including the nurse practitioner service as well as the House Officer on Private Service (HOOPs) program.

The IMIS program functioned in this capacity through until July 2003 when further alterations were made on account of the reduced workload for housestaff mandated by the ACGME (Accreditation Council for Graduate Medical Education). Staffing was increased to accommodate a new chest pain observation service as well as increased outpatient physician enrollment to the hospitalist program. In the summer of 2003 Rhode Island Hospital's Jane Brown 2 North ward was designated an IMIS unit in order to streamline admissions and



Sajeev Handa, M.D., Director, Division of Hospitalist Medicine

discharges. In September 2003 another milestone was achieved and the Division of Hospitalist Medicine was created. In 2007 plans for further expansion are underway to increase the size of the program as well as to develop a formal academic track for the Division's physicians.

The Division of Hospitalist Medicine is now responsible for the following clinical programs at Rhode Island Hospital:

The Hospitalist Program – offering admissions, management through until discharge for primary care physicians who have signed up with the group;

The Community Physician Alliance Service –staffed by primarily nurse practitioners – this program offers cross coverage services on all medical non-teaching services during the weekdays and assistance with admissions overnight.

The Division of Hospitalist Medicine currently employs the equivalent of nine full time University Medicine Foundation Physicians as well as four nurse practitioners. All physicians hold clinical appointments with the Warren Alpert Medical School of Brown University.

Teaching responsibilities with the Medical School have included the second year history and physical course as well as preceptorship for the third year medical students.



FACULTY MEMBERS

Foundation Based

- Sajeev Handa, M.D.**, Director, Clinical Instructor, Rhode Island Hospital, University Medicine Foundation.
- Kim A. Basu, M.D.**, Clinical Instructor, Rhode Island Hospital, University Medicine Foundation.
- Praveen Bondalapati M.D.**, Clinical Instructor, Rhode Island Hospital, University Medicine Foundation.
- Jaqueline Michaud, DO**, Clinical Instructor, Rhode Island Hospital. University Medicine Foundation.
- Lina R. Nemchenok, M.D.**, Clinical Instructor, Rhode Island Hospital, University Medicine Foundation.
- Nishant Nerella, M.D.**, Clinical Instructor, Rhode Island Hospital, University Medicine Foundation.
- Joel T. Park, M.D.**, Clinical Instructor, Rhode Island Hospital, University Medicine Foundation.
- Ewa Piszczek M.D.**, Clinical Instructor, Rhode Island Hospital, University Medicine Foundation.
- Vladimir Stamoran, M.D.**, Clinical Instructor, Rhode Island Hospital, University Medicine Foundation

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION OF FACULTY

Kim A. Basu M.D.

- ▶ Member, Society of Hospital Medicine
- ▶ Member, Massachusetts Medical Society

Praveen Bondalapati M.D.

- ▶ Member, American College of Physicians
- ▶ Member, American Medical Association

Sajeev Handa, M.D.

- ▶ Charter Member, Society of Hospital Medicine
- ▶ Member, Infectious Diseases Society of America
- ▶ Reviewer, Journal of Acquired Immune Deficiency Syndrome

Jacqueline Michaud, DO

- ▶ Member, Federal Disaster Medical Assistant Team (Homeland Security)
- ▶ Member, American College of Physicians

Lina R. Nemchenok, M.D.

- ▶ Member, Massachusetts Medical Society
- ▶ Member, Society of Hospital Medicine

Nishant Nerella M.D.

- ▶ Member, American College of Physicians

Joel T. Park, M.D.

- ▶ Member, American College of Physicians
- ▶ Member, American College of Pediatricians

Ewa Piszczek, M.D.

- ▶ Member, American College of Physicians

Vladimir Stamoran M.D.

- ▶ Member, American College of Physicians

SELECTED PUBLICATIONS

Joel T. Park, M.D.

- ▶ Park, J.T. Padbury, J, Maternal Grave's Disease and Neonatal Hyperthyroidism Presenting as pseudo-“TORCH” Syndrome in a Premature Newborn.
- ▶ Park, J.T., Hennessey. Two-week low iodine diet is necessary for adequate outpatient preparation for 121-I Thyrogen scanning in patients taking levothyroxine, *Thyroid* 14(1): 57–63, 2004.

INFECTIOUS DISEASES

OVERVIEW

The Division of Infectious Diseases was established in 1966 at the Brown Medical School. The mission of the Division of Infectious Diseases is to provide state of the art care for all patients with any type of infectious disease, to teach and mentor medical students, house officers and fellows in the art and science of infectious diseases, and to pursue clinical and basic research into the manifestations, treatment, and prevention of infectious diseases. Physicians in the Division provide comprehensive inpatient and outpatient infectious disease care to patients at The Miriam and Rhode Island Hospitals, Memorial Hospital and Veterans Administration Medical Center.

The Division has an in-depth focus in the area of HIV/AIDS. The NIH funded Lifespan/Tufts/Brown Center for AIDS Research (CFAR), based at The Miriam Hospital under the leadership of Dr. Charles C.J. Carpenter, continues to support laboratory and clinical HIV prevention and treatment research. The total external HIV/AIDS research funding, from all sources, for Brown University Infectious Disease faculty per year exceeds \$10,000,000. The NIH Center grant strongly supports the primary thematic goal of the Lifespan/Tufts/Brown CFAR, which is to carry out translational research dealing especially with the treatment and prevention of HIV infection in hard-to-reach populations, both in New England and in several countries in the developing world. The NIH Fogarty HIV Training Program (AITRP) supports international clinicians and scholars who receive further HIV related training at Brown and affiliated hospitals. Distinctive clinical investigation has focused on HIV in women, community-based adherence, interventions among substance users, rapid HIV testing and microbicide and vaccine studies.

The AIDS Clinical Trials Program at The Miriam Hospital/Brown University has been an outstanding success. This is one of 30 units around the country, which is NIH funded to participate in multi-center HIV and AIDS treatment trials. The Miriam Hospital/Brown University has played a leading role in the development and enrollment of HIV treatment trials, specifically for women. The Immunology Center established the first HIV menopause clinic in the US and also provides virtually all the HIV care for pregnant women in Rhode



Timothy P. Flanigan, M.D., Professor of Medicine; Director, Division of Infectious Disease

Island. The Center also established reproductive health services for HIV infected serodiscordant couples in collaboration with Women and Infants Hospital.

A priority for the Division of Infectious Diseases has been innovative models for improved prevention, diagnosis, and treatment of HIV, particularly in the clinical setting. Support has generously been provided through Ryan White Titles II, III, and IV programs, as well as Special Projects of National Significance funded through the Ryan White Care Act. Infectious disease physicians with a focus on HIV and AIDS provide care not only in the hospital setting, but also at the state prison, substance abuse treatment centers, and community health centers in the surrounding towns of Woonsocket, Fall River, and Newport. The overlap between HIV, Hepatitis C and addiction has led to integrated models of care and prevention. Under the leadership of Dr. Rich, the Center for Prisoner Health and Human Rights has been established to promote diagnosis and treatment of infectious diseases within the correctional settings nationwide. A NIH funded T32 training grant supports faculty and fellows who focus on infectious diseases among communities that suffer disproportionately from addiction.

The Center for Biodefense and Emerging Pathogens at Memorial Hospital directed by Dr. Andy Artenstein continues its successful role both within Brown and within Rhode Island. Dr. Artenstein, along with the

Center's Associate Director, Dr. Marguerite Neill at Memorial Hospital, has provided substantial community based education around biodefense since 9/11 to a variety of medical and public safety personnel. The Center has been awarded a substantial contract from the Rhode Island Department of Health for which it has developed educational tools for the health care community, as well as for the broader public, and the Center's physicians provide 24/7 consultative services for the RI DOH for bioterrorism concerns. Dr. Margarite Neill chairs the Bioterrorism WorkGroup for the Infectious Disease Society of America, which has played a leading role in education of Infectious Disease physicians since 9/11. As part of that effort, she has spearheaded the development and maintenance of the IDSA web site on bioterrorism, developing authoritative materials, including clinical pathways, for evaluation of disease syndromes, with full text access to the references and citations supporting the content.

The Rhode Island State Tuberculosis Treatment Program moved to The Miriam Hospital, Brown University School of Medicine. This has been a nationally recognized program of excellence that was cited by the Centers for Disease Control for its leadership nationwide in establishing directly observed therapy programs for all persons with TB. This program has participated in national trials to improve TB therapy. Dr. Jane Carter has established an outstanding collaboration with Moi University Medical School in Eldoret, Kenya, which investigates improved TB therapeutic strategies for patients who have TB alone and for those patients who are co-infected with HIV and TB in the developing world, which poses unique challenges.

Members of the Division of Infectious Diseases have had national prominence in the field of hospital epidemiology and infection control. Dr. Leonard Mermel was the 25th President of the Society for Healthcare Epidemiology of America, a society whose members are infection control opinion leaders from over 30 countries. He was the first author of the Infectious Diseases Society of America (IDSA) Guidelines on Management of Intravascular Catheter-Related Infections and he is the Chair of the writing group revising these guidelines. Dr. Mermel also co-authored national guidelines from the Centers for Disease Control on the Prevention of Intravascular Catheter-Related Infections. Dr. Mermel's research team has recently investigated innovative technologies to prevent intravascular and bladder catheter-related infections, as well as research to better understand the epidemiology of MRSA infections. Dr. Mermel is the Medical Director of the Rhode Island Hospital Dept of Epidemiol-

ogy & Infection Control. Dr. John Lonks, whose research focus is on resistant pneumococcus, directs the Department of Infection Control at Miriam Hospital.

The Division of Infectious Diseases has established a dedicated inpatient and outpatient consultative service to prevent and treat infections among solid organ transplant recipients, under the direction of Staci A. Fischer, M.D. Kidney and pancreas transplants are performed at Rhode Island Hospital, where a multidisciplinary team with active ID involvement also cares for recipients of other solid organ allografts performed at outside institutions, providing clinical exposure to the care of heart, lung and liver transplants as well. Active research projects include investigations into the epidemiology and risk factors for BK virus-induced nephropathy; the pharmacokinetic impact of immunosuppressive therapies on antiretroviral agents in the transplantation of HIV-infected patients; and an NIH-sponsored study in partnership with the University of Massachusetts investigating CMV-specific T cell responses and their impact on allograft rejection.

The Division of Infectious Diseases, in conjunction with Pulmonary and Critical Care Medicine, have established the Ocean State Clinical Coordinating Center (OSCC) at Rhode Island Hospital. Steven P. LaRosa, M.D. serves as the Director of the OSCCC and Steven Opal, M.D. serves as Associate Director. The OSCCC is an academic group of physicians, research nurses, and research assistants who, working in conjunction with a study sponsor, serve as the "real-time" main point of contact for study sites for a variety of services. These services include: assessment of patient eligibility for the study, direction regarding protocol procedures, and answering questions regarding concomitant medications and safety concerns. The OSCCC has secured grant funding for trials of sepsis treatment interventions and severe pneumonia.

Dr. Kenneth H. Mayer has recently received multiple awards for his outstanding work in the area of HIV prevention. He was honored by the American Federation for AIDS Research to receive its yearly award for leadership in the area of HIV clinical research. He was chosen as the Paul J. Galkin Lecturer for Distinguished Leadership in HIV and AIDS. He also received honorary lifetime membership in the Indian Medical Association due to the establishment of the HIV/AIDS prevention and treatment collaboration with YRG Care in Chennai, India. Dr. Mayer has played a leading role in developing and evaluating microbicides for the prevention of HIV, both in this country and in resource poor settings.

Dr. Timothy P. Flanigan and Dr. Jennifer A. Mitty have spearheaded a program of modified directly observed therapy for HIV treatment for individuals who are marginalized and would otherwise not receive the benefit of our new combination HIV treatments. An NIH funded modified DOT pilot program for active substance abusers to provide community based treatment strategies is ongoing and has been cited nationally. Programs to extend these community based therapies for pregnant women and persons leaving prison have begun.

Dr. Josiah D. Rich and Dr. Scott Allen have founded the Center for Prisoner Health and Human Rights <www.prisonerhealth.org> at the Miriam Hospital to promote research, quality health care, education and advocacy for people detained in correctional systems. The Center currently has over a dozen adjunctive faculty members.

Dr. Bharat Ramratnam directs the Virology Core laboratory at Brown for the Center for AIDS Research. His work investigates viral dynamics, and particularly HIV viral decay. He has received funding from the Doris Duke Foundation, NIH/ NIAID, and the Culpepper Foundation. Recent work has focused on inhibitory activities of siRNA and the use of lactobacillus as vectors for mucosal microbicide delivery.

Dr. E. Jane Carter, who is a national expert on TB, oversees opportunities for clinical research for residents in Africa (Moi Medical School, Kenya). Drs. Mayer, Flanigan and Cu-Uvin collaborate on HIV clinical research in Chennai, India, Cambodia, Philippines and Indonesia related to HIV prevention and treatment of AIDS and opportunistic infections. Herb Harwell, M.D., who was trained in both Pediatrics and Medicine, has expertise in the area of sexually transmitted diseases and HIV. He has developed ongoing projects in Phnom Penh, Cambodia to evaluate the long-term morbidity and mortality related to HIV and the potential impact of antiretroviral therapy in Southeast Asia. He currently provides HIV treatment guidance and training for the Clinton Foundation.

FACULTY MEMBERS

FULL-TIME FACULTY (Hospital and Foundation Based)

Timothy P. Flanigan, M.D., Director, Professor,
Miriam Hospital, University Medicine, Foundation

Andrew W. Artenstein, M.D., Associate Professor,
Memorial Hospital of Rhode Island

Curt G. Beckwith, M.D., Assistant Professor, Miriam
Hospital, University Medicine Foundation

Charles C. J. Carpenter, M.D., Professor, Miriam
Hospital, University Medicine Foundation

E. Jane Carter, M.D., Assistant Professor, Miriam
Hospital, University Medicine Foundation

Susan Cu-Uvin, M.D., Professor, Miriam Hospital,
University Medicine Foundation

Staci A. Fischer, M.D., Associate Professor, Rhode
Island Hospital, University Medicine Foundation

Mary M. Flynn, Ph.D., R.D., L.D.N., Assistant
Professor (Research), Miriam Hospital

Melissa M. Gaitanis, M.D., Assistant Professor, Rhode
Island Hospital, University Medicine Foundation

Fizza S. Gillani, Ph.D., Assistant Professor (Research),
Miriam Hospital

Stephen H. Gregory, Ph.D., Associate Professor
(Research), Rhode Island Hospital

Joseph I. Harwell, M.D., Assistant Professor, Miriam
Hospital, University Medicine Foundation

Rami Kantor, M.D., Assistant Professor (Research),
Rhode Island Hospital

Erna M. Kojic, M.D., Assistant Professor, Miriam
Hospital, University Medicine Foundation

Awewura Kwara, M.D., Assistant Professor, Miriam
Hospital, University Medicine Foundation

Michelle A. Lally, M.D., Assistant Professor, Miriam
Hospital, University Medicine Foundation

Steven P. Larosa, M.D., Assistant Professor, Rhode
Island Hospital, University Medicine Foundation

John R. Lonks, M.D., Associate Professor, Miriam
Hospital, University Medicine Foundation

Kenneth H. Mayer, M.D., Professor, Miriam Hospital,
University Medicine Foundation

Leonard A. Mermel, D.O., Professor, Rhode Island
Hospital, University Medicine Foundation

Maria D. Mileno, M.D., Associate Professor, Miriam
Hospital, University Medicine Foundation

Jennifer A. Mitty, M.D., Assistant Professor, Miriam
Hospital, University Medicine Foundation

Michael C. Newstein, M.D., Ph.D., Assistant Professor
(Research), Miriam Hospital

Steven M. Opal, M.D., Professor, Memorial Hospital of
Rhode Island

Marguerite A. Neill, M.D., Associate Professor,
Memorial Hospital of Rhode Island

Bharat Ramratnam, M.D., Associate Professor, Rhode
Island Hospital, University Medicine Foundation

Josiah D. Rich, M.D., M.P.H., Professor, Miriam Hospital, University Medicine Foundation

Karen T. Tashima, M.D., Associate Professor of Medicine, Miriam Hospital, University Medicine Foundation

Lynn E. Taylor, M.D., Assistant Professor (Research), Miriam Hospital

Edward J. Wing, M.D., Professor, Rhode Island Hospital, University Medicine Foundation

Nickolas Zaller, Ph.D., Instructor (Research), Miriam Hospital

VOLUNTEER FACULTY

Jeffrey Bratberg, Pharm.D., Clinical Assistant Professor, Rhode Island Hospital

Patricia A. Cristofaro, M.D., Clinical Assistant Professor, Miriam Hospital

Rinchen-Tzo Emgushov, M.D., Clinical Instructor, Rhode Island Hospital

Glenn Fort, M.D., Clinical Associate Professor, Rhode Island Hospital

Husam Issa, M.D., Clinical Instructor, Rhode Island Hospital

Jerome M. Larkin, M.D., Clinical Associate Professor, Rhode Island Hospital

Dennis Mikolich, M.D., Clinical Associate Professor, Veterans Administration Medical Center

Michael T. Poshkus, M.D., Clinical Assistant Professor, Rhode Island Hospital

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION OF FACULTY

Curt G. Beckwith, M.D.

INVITED PRESENTATIONS:

- ▶ “Refugee Women and HIV: Prevention, Diagnosis, and Clinical Care Issues,” Brown University AIDS Program Conference; Providence RI; June 2007.
- ▶ “HIV/AIDS Update, 2006,” Urology Nursing Society Annual Meeting; Providence, RI; November, 2006.

Charles C.J. Carpenter, M.D.

- ▶ Representative, Institute of Medicine at the President’s Emergency Plan for AIDS Relief Second annual Field Meeting “Supporting National Strategies: Building on Success,” in Addis Ababa, Ethiopia, May 22-27, 2005.
- ▶ Participant, Congressional briefings on the report of the IOM/NAS Committee for the Evaluation of the

President’s Emergency Plan for AIDS Relief (PEPFAR) in Washington, DC on March 29-30, 2007. Co-author, document “PEPFAR Implementation: Progress & Promise,” National Academy Press, Washington, DC, 2007.

- ▶ Co-Editor, *Cecil Essentials of Medicine*, 7th Edition, Saunders/Elsevier, Philadelphia, PA, 2007.

INVITED PRESENTATIONS:

- ▶ Chair, Session on HIV/TB Co-infection at the U.S.-Japan Cooperative Medical Science Program 10th International Conference on Emerging Infectious Diseases in the Pacific Rim in Hanoi, Vietnam on November 16-17, 2005.
- ▶ Chair, Session on International Research at the Annual Meeting of the NIH-supported Centers for AIDS Research in Birmingham, Alabama, on November 8–10, 2006.
- ▶ Chair, Treatment Section of the Fifth Meeting of the Institute of Medicine Committee for the Evaluation of the President’s Emergency Plan for AIDS Relief (PEPFAR) in Washington, DC on June 29-30, 2006.

E. Jane Carter, M.D.

- ▶ International Tuberculosis Foundation. President, Board of Directors
- ▶ World Lung Foundation, Board of Directors

Patricia Cristofaro, M.D.

INVITED PRESENTATIONS:

- ▶ “Microbicidal potential of RNA interference in vivo” at Conference on Retrovirus and Opportunistic Infections. Boston, MA, February 2005

Susan Cu-Uvin, M.D.

- ▶ Contance B. Wofsy Women’s Health Investigator Award, The AIDS Clinical Trials Group, 2005
- ▶ The Ladies Home Journal Health Breakthrough Awards, 2006
- ▶ Woman Physician of the Year, Rhode Island Medical Women’s Association, 2007

INVITED PRESENTATIONS:

- ▶ HIV-1 Shedding in the Female Genital Tract, University of Washington Center for AIDS Research Seminar, Seattle, WA, March 2, 2006.
- ▶ Optimizing PI Based Therapy Regimens in Women with HIV: Impact of Gender Specific Issues. ID Grand Rounds, Thomas Jefferson Univ., Philadelphia, September 27, 2006.

- Science Meets Practice: Special Population: Women and HIV. 9th Annual HIV Symposium, Nashville, TN, November 3, 2006.

Staci A. Fischer, M.D.

- Finalist, 2007 Charles C. Shepard Science Award, the Centers for Disease Control and the Agency for Toxic Substances and Disease Registry, “presented to the authors of the most outstanding peer-reviewed research paper published by CDC/ATSDR.”
- Named to “Top Doctors,” *Rhode Island Monthly*, 2006

Timothy P. Flanigan, M.D.

- First National HIV Advocacy Award from Infectious Disease Society of America - 2006
- Honorary PhD Degree Salve Regina University – 2005

INVITED PRESENTATIONS:

- Visiting Professor and The George Naff Cleveland VAMC Annual Lectureship – 2007

Melissa M. Gaitanis, M.D.

INVITED PRESENTATIONS:

- “Bacterial Infections in Intravenous Drug Users,” AACN Conference, Warwick, RI – Sept. 2006
- “Treatment of Otitis Media, Mastoiditis and Bacterial Meningitis” at Symposium on Pediatric Neurology and Epilepsy, Foligno, Italy – Oct. 2006.
- “An HIV Vaccine. Our Best Hope” at World AIDS Day, Johnson and Wales college, Providence, RI – Dec. 2006.

Joseph I. Harwell, M.D.

INVITED PRESENTATIONS:

- Lecturer: “Adherence in the scale-up of antiretroviral therapy in Asia,” 7th International Congress on AIDS in Asia and the Pacific, in Kobe, Japan on July 2, 2005.
- Coordinator and sole presenter of a Symposium on Pediatric HIV Infection, sponsored by the National Center for AIDS regional pediatric HIV treatment program initiation in Lixin, China on September 3–7, 2005.
- Principal lecturer at the National Training Symposium on Pediatric HIV Care, sponsored by the National Center for AIDS Division of Treatment and Care in Beijing, China on November 9–11, 2006.

Rami Kantor, M.D.

INVITED PRESENTATIONS:

- Faculty member and lectures titled “HIV drug resistance mutation lists” and “Lessons from the non-B working group for SATuRN implementation.” South Africa Treatment and Resistance Network (SATuRN) planning meeting, June 4–6, 2007, Durban, South Africa.

- Lecturer titled “HIV diversity and drug resistance,” February 17, 2006, Center for Biostatistics for AIDS Research, Harvard School of Public Health, Harvard University, Boston, Massachusetts.

- Faculty member and lectures titled “Mechanisms of HIV drug resistance” and “Drug Resistance Databases and Interpretation,” National Consultation on Drug Resistance in Malaria, Tuberculosis, and HIV/AIDS, September 19–21, 2005, Mumbai, India.

Milu Kojic, M.D.

INVITED PRESENTATIONS:

- “HPV and HIV Co-infection in Women” at the 2007 Women and HIV International Clinical Conference - San Antonio, TX 2007.

John R. Lonks, M.D.

- “Top Doc” (Infectious Disease) Rhode Island Monthly, May 2006

INVITED PRESENTATIONS:

- “Clinical Importance of Erythromycin-resistant *Streptococcus pneumoniae*.” Food and Drug Administration Center for Drug Evaluation and Research (CDER). Anti-Infective Drugs Advisory Committee in Joint Session with the Drug Safety and Risk Management Advisory Committee. Silver Spring, Maryland. December 14–15, 2006.
- “Antimicrobial Resistance- MRSA, VRE, & ESBLs.” American Society for Clinical Laboratory Science: Central New England. Annual Clinical Laboratory Science Convention. Providence, RI, May 10, 2007.

Leonard A. Mermel, D.O.

- President, Society for Healthcare Epidemiology of America, 2005
- Board of Directors, Infectious Diseases Society of America, 2006

INVITED PRESENTATIONS:

- Research Priorities for Healthcare Worker Safety. Institute of Medicine, National Academy of Sciences, Washington, DC, March, 2007

Jennifer A. Mitty, M.D.

INVITED PRESENTATIONS:

- Roundtable Discussion on HIV Testing in Jails. Affiliated Event at the 13th Conference on Retroviruses and Opportunistic Infections (CROI). Denver, Colorado. February 2006.
- Community Based Modified Directly Observed Therapy at NIMH/IAPAC International Conference on HIV Treatment Adherence. 2006; Jersey City, New Jersey.

Marguerite A. Neill, M.D.

- ▶ Member, Board of Scientific Counselors, Centers for Disease Control and Prevention
- ▶ Corresponding Editor, *International Journal of Infectious Disease*
- ▶ Chair, Rapid Communications Task Force, Infectious Disease Society of America

Steven M. Opal, D.O.

- ▶ Editorial Board selection: 2007–2010 *American Journal of Respiratory and Critical Care Medicine*. Abraham, Senior Editor

INVITED PRESENTATIONS:

- ▶ Visiting Professor: The 6th World Congress of the International Society of Apheresis. “Cytokine modulation by apheresis as a treatment for severe sepsis/septic shock-an overview,” Yokohama, Japan. March 2–4, 2007.
- ▶ Visiting Professor: Albert Einstein College of Medicine Visiting Professor Conference. “Current and future therapeutic options for septic shock.” New York, NY, April 24, 2007.

Josiah D. Rich, M.D.

- ▶ Chair, Medical Faculty Executive Committee, Brown University School of Medicine, 2005/2006
- ▶ Editorial Board Member, *Infectious Disease Practice (IDP)*

Lynn E. Taylor, M.D.

- ▶ Member, Editorial Board, *Infectious Disease in Corrections Report*

INVITED PRESENTATIONS:

- ▶ “Chronic Hepatitis C in HIV Co-Infected Patients: Our Current Understanding and Management”. At HIV-hepatitis symposium American Conference for the Treatment of HIV (ACTHIV) Dallas, Texas, June 2, 2007.
- ▶ “Barriers to Care in the Community: Special Emphasis on Addictions.” at 9th Lemuel Shattuck Hospital HIV Conference. Progress and Challenges: HIV 2006. John F. Kennedy Library and Museum, Columbia Point, Boston, MA, June 16, 2006.
- ▶ “HIV/Hepatitis C: An Overview.” at Creating Bridges to Care: A Regional Conference on HIV, Hepatitis and Substance Use. Jointly sponsored by Lifespan/Tufts/Brown Center for AIDS Research (CFAR), AIDS Action Committee of Massachusetts, Rhode Island Department of Mental Health and Retardation, AIDS Project Rhode Island, Latin American Health Institute, Massachusetts Bureau of Substance Abuse Services, New England HIV Education Consortium, March 22, 2006.

Karen T. Tashima, M.D.

- ▶ Member, Performance Evaluation Committee of the AIDS Clinical Trials Group (ACTG)
- ▶ “CDC Adult/ Adolescent HIV/AIDS Surveillance Case Definition and Clinical Staging Consultation” CDC Conference, Atlanta, GA August 30–31, 2007.
- ▶ “Therapeutic/Community-based Clinical Trials Network,” World AIDS Day Presentation Brown University AIDS Program (BRUNAP) December 6, 2005.

Edward J. Wing, M.D.

- ▶ Grand Rounds Speaker, University of North Carolina at Chapel Hill, “International Programs at Brown Medical School,” November, 2006.
- ▶ Visiting Professor, Research Institute of Nephrology, Nanjing University School of Medicine, “HIV/AIDS Update,” Nanjing, China, May 2007.
- ▶ Visiting Professor, Nanjing University School of Medicine, “An Old World Arenavirus in 21st Century Rhode Island: Lymphocytic Choriomeningitis Virus Transmitted via Solid Organ Transplantation, 2005,” Nanjing, China, May 2007.

RESEARCH AND OTHER SCHOLARLY ACTIVITIES

Andrew W. Artenstein, M.D.

- ▶ Scientific Steering Committee, New England Regional Center of Excellence in Biodefense and Emerging Infectious Diseases (NERCE), Harvard Medical School, granted by the National Institute of Health, Boston, MA
- ▶ Editorial Advisory Board, *Journal of Infectious Diseases*
- ▶ Special Emphasis Panel, National Institute of Allergy & Infectious Diseases, National Institutes of Health, RFA-04-029 – “Challenge Grants: Biodefense Project Development”, Bethesda, M.D..
- ▶ PhD Thesis Committee, Biomedical Engineering, Brown University, Providence, RI
- ▶ Special Emphasis Panel, National Institute of Allergy & Infectious Diseases, National Institutes of Health, RFA-06-035 – “Partnerships into therapeutics and Diagnostics for BioD Toxins (U01)”, Bethesda, M.D..

Curt G. Beckwith, M.D.

- ▶ Reviewer: *JAIDS, AIDS & Behavior, Journal of Urban Health*

Charles C.J. Carpenter, M.D.

- ▶ Chairman, Treatment Subcommittee, Committee for the Evaluation of the President’s Emergency Fund for AIDS Relief (PEPFAR), 2005–2008.

- ▶ External Expert Advisor, HIV/AIDS Clinical Trials Networks Strategic Working Group, NIAID, NIH, 2006.
- ▶ Senior Scientific Advisor, Expert Advisory Committee, Indo-US Cooperative AIDS Program on HIV/AIDS, 2007.

E. Jane Carter, M.D.

- ▶ Review Panel, National Institute of Allergy and Infectious Disease (ZA11 KS-A (M3), Units for HIV/AIDS Clinical Trials Network
- ▶ Reviewer, *The International Journal of Tuberculosis and Lung Disease*
- ▶ Reviewer, *AIDS Patient Care and STDs*
- ▶ Reviewer, *JAIDS Clinical Science*
- ▶ Alternate Representative, Advisory Committee for the Elimination of TB (ACET), CDC
- ▶ Millennium Village Projects, Earth Institute, Columbia University Health Advisory Group Board Member

Susan Cu-Uvin, M.D.

- ▶ Adult AIDS Clinical Trials Group (ACTG): Chair - Women's Health Committee, Member, Scientific Advisory Steering Committee, 2004–2006
- ▶ Member, Public Health Service Task Force/Perinatal Antiretroviral Guidelines Working Group, Office of AIDS Research Advisory Council, 2005–present
- ▶ Member, HPV Working Group, USPHS/IDSA Guidelines for the Prevention and Treatment of Opportunistic Infections, 2006
- ▶ Member, Infectious Disease Society of Obstetrics and Gynecology Scientific Program Committee, 2007

Staci A. Fischer, M.D.

- ▶ Invited Moderator, American Transplant Congress, May 5–9, 2007, San Francisco, CA, Session: Infections: HIV and Miscellaneous
- ▶ Abstract Reviewer, American Transplant Congress, 2007

Timothy P. Flanigan, M.D.

- ▶ Principal investigator of the Clinical and Translational Science Award and Planning Grant to Brown University in Collaboration with Lifespan, URI and other academic hospitals partnering with Brown Medical School
- ▶ Member, Review Committee for the NIH General Clinical Research Centers from 2005–2007.
- ▶ Advisory Member for United States Agency International Development Advisory Committee on Foreign Voluntary Aid 2005–2007.

Stephen H. Gregory, M.D.

- ▶ Panel Member, NIH Vaccine Study Section ZRG1 IMM-G 12B, 2005-
- ▶ Ad Hoc Reviewer – *Journal of Immunology, Cellular Immunology, Infection and Immunity, Journal of Leukocyte Biology, Immunity, Journal of Infectious Diseases and Hepatology*, 2005-

Joseph I. Harwell, M.D.

- ▶ Member - Scientific Advisory Panel, China National Center for AIDS Control.
- ▶ Special Study Section, CDC Pediatric Adherence in Resource Poor Settings, Atlanta Georgia. July 31–August 2, 2006.
- ▶ Abstract Reviewer – National HIV Prevention Conference, 2005.

Rami Kantor, M.D.

- ▶ Journal Reviewer: Lancet, PLOS Medicine, Journal of Infectious Diseases, AIDS, Antiviral Therapy, HIV Clinical Trials, Tropical Medicine and International Health, Journal of Biomedical Informatics, Future Virology.
- ▶ Member of AACTG (Adult AIDS Clinical Trials Group) 5077 study group.
- ▶ Member of the Brown/Kenya program advisory committee.
- ▶ Member and Advisor to World Health Organization Global HIV Drug Resistance Surveillance Network

Kenneth H. Mayer, M.D.

- ▶ American Foundation for AIDS Research, Scientific Advisory Committee
- ▶ Visiting Scientist, Massachusetts Institute of Technology Clinical Research Center
- ▶ International Scientific Committee, 2nd, 3rd, 4th, and 5th International Conferences on the Prevention of Infection; (Nice, France 1992, 1994, 1996, 1998)
- ▶ HIV Prevention in Clinical Care Working Group, Centers for Disease Control and Prevention.
- ▶ Chair, Scientific Review Committee, HPTN Executive Committee

Leonard A. Mermel, D.O.

- ▶ Chair, Infectious Diseases Society of America Guidelines Writing Group: Management of Intravascular Catheter-Related Infections, 2006–P
- ▶ Technical Advisory Panel Member, Intravascular Catheter and Bloodstream Infections, National Voluntary Consensus Standards for the Reporting of Healthcare-Associated Infection Data, National Quality Forum, 2006.

- Invited Participant, Centers for Medicare & Medicaid Services Quality Improvement Group Inpatient Workshop, 2005.
- Oversight Committee Member, Society for Healthcare Epidemiology of America /Infectious Diseases Society of America Fellow's Course on Infection Control & Infectious Diseases, 2005–Present.

Marguerite A. Neill, M.D.

- Reviewer for Special Emphasis Panel on Studies of Avian Influenza at the Animal:Human Interface, Centers for Disease Control, Atlanta, Georgia.

Steven M. Opal, D.O.

- National Heart Lung and Blood Institute Program Project Reviews-Notre Dame site visit report, 2006
- German Federation Research Counsel-External reviewer External reviewer of proposals investigating the role of genetic factors in the susceptibility to infection, 2006–07
- The Netherlands Federal Grant Awards programs-external reviewer
- Reviewer for microbiology, immunology and genetics external advisory board, 2006–07

Josiah Rich, M.D.

- National Medical Advisory Panel, “Evaluating a National Model for Viral Hepatitis Training”, New York State Department of Health, In partnership with the State Office of Alcohol and Substance Abuse Services, New York Department of Health and Mental Hygiene and the AIDS Community Outreach Initiative of America
- Reviewer, Substance Abuse Policy Research Program, Center for Creative Leadership, The Robert Wood Johnson Foundation
- Reviewer, NIH/NIMH Special Emphasis Panel (R25), Mentoring Program to Diversify the Mental Health HIV/AIDS, Research Workforce through Innovative Educational Initiatives
- Reviewer, NIH/NIDA Loan Repayment Program, Scientific Review and Evaluation Award, International Conference on Urban Health, Toronto, Canada
- Section Editor, Journal of Urban Health

Lynn E. Taylor, M.D.

- Grant Reviewer: University of California, University wide AIDS Research Program, Applied Clinical/Health Services Research Study Section, Ad-Hoc Member
- Teaching Faculty Hepatitis C University, a project of Organization to Achieve Solutions in Substance Abuse (O.A.S.I.S), Oakland, CA.

Karen T. Tashima, M.D.

- Appointed: ACTG CRS site leader of The Miriam Hospital CRS (Harvard CTU/Kuritzkes).

Edward J. Wing, M.D.

- Chairman, Association of Professors of Medicine Program Planning Committee, 2006–08
- Board Member, Association of Professors of Medicine, 2006–
- Editor, Cecil Essentials of Medicine, 2007
- Board Member, Rhode Island Free Clinic, 2007

EDUCATION HONORS

Andrew W. Artenstein, M.D.

- Dean's Teaching Excellence Award, presented by The Warren Alpert Medical School of Brown University, June 2007

Curt G. Beckwith, M.D.

- Dean's Teaching Excellence Award (Bio 351 Infectious Diseases/Pathophysiology small group), Brown Medical School, 2005 & 2006

Charles C.J. Carpenter, M.D.

- James Marsh Professor-at-Large of the University of Vermont, 2007.
- Robert H. Williams, M.D. Distinguished Chair of Medicine Award from The Association of Professors of Medicine, 2007.

E. Jane Carter, M.D.

- Faculty Award, Teaching and Education, Brown Medical School Class of 2005

Staci A. Fischer, M.D.

- Dean's Teaching Excellence Award, Pathophysiology Course (BioMed 351), 2005–2006 and 2006–2007

Timothy P. Flanigan, M.D.

- Dean's Teaching Award for Excellence, Brown Medical School – 2005

Michelle A. Lally, M.D.

- Dean's Teaching Excellence Award, 351 Infectious Diseases Pathophysiology, The Warren Alpert Medical School of Brown University

John R. Lonks, M.D.

- Dean's Teaching Excellence Award. Brown Medical School Course Bio351 Integrated Pathophysiology/ Pharmacology Small Group 2006 and 2007.

- The Riesman Family Excellence in Teaching Award (1st Annual Recipient) Recognizing and Promoting Excellence in Teaching, 2007.

Kenneth H. Mayer, M.D.

- Doctoral thesis advisor and committee member for six graduate students in either Community Health (Brown), or Epidemiology or Immunology and Infectious Disease (Harvard School of Public Health)
- Director, Medical Student Senior Seminar: Lessons of AIDS, Brown University

Leonard A. Mermel, D.O.

- Dean's Teaching Excellence Award, 2007, Pathophysiology Course (BioMed 351)

Maria D. Mileno, M.D.

- Dean's Teaching Excellence Award, Brown Medical School – July, 2005.

Marguerite A. Neill, M.D.

- Beckwith Family Award for Outstanding Teaching in the Department of Medicine, Warren Alpert Medical School, Brown University.

Josiah Rich, M.D.

- Honoree, Physicians for Human Rights, 20th Anniversary Celebration
- The Friend of the Field Award, CODAC's 35th Anniversary Celebration

Karen T. Tashima, M.D.

- Program Director of Infectious Disease Fellowship at Brown Medical School
- Mentor, Junior Faculty contributor/advisor

TEACHING RESPONSIBILITIES

Andrew W. Artenstein, M.D.

- Course Director, "Medicine in the Time of Bioterrorism"
- Course Director, Brown Medical School, Bio 296, Independent Study, "Introduction to the Microbial Basis of Disease"

Curt G. Beckwith, M.D.

- Biomed 351: Pathophysiology of Infectious Diseases. Small Group Leader 2005, 2006, 2007.

Charles C.J. Carpenter, M.D.

- Faculty member, "Update on Antiretroviral Therapy," 1st National conference of the AIDS Society of India, New Delhi, India, 2005.

- Faculty advisor, Core Clerkship in Medicine, Brown Medical School, 2005–2007

E. Jane Carter, M.D.

- Faculty, Tropical Medicine in East Africa (IM 320)
- Fogarty International Training Program in HIV/AIDS, Executive Committee
- Supervisor, T32 HIV Training Fellows, Kenya Placement

Staci A. Fischer, M.D.

- Small Group Leader, ID Pathophysiology course (BioMed 351), 2005, 2006, 2007
- Subspecialty Education Coordinator, Division of Infectious Diseases

Timothy P. Flanigan, M.D.

- Coordinator for the newly developed Scholarly Concentration of Global Health for the Brown Medical Students –2007

Melissa M. Gaitanis, M.D.

- Co-Course Leader, Brown Medical School Biomed 351 Integrated Pathophysiology: Infectious Diseases and Organ System Pharmacology: Anti-Infective Agents

Joseph I. Harwell, M.D.

- Program Director, Brown University Combined Medicine/Pediatrics Infectious Disease Fellowship
- Co-Chair, Brown University Scholarly Concentration on Global Health

Erna Milunka Kojic, M.D.

- Course Leader, Brown University Medical School, Biomed 308 HIV/AIDS Clinical Care Elective

Michelle A. Lally, M.D.

- Mentor for Research Assistantships, Research T-32 Fellowships, The MET School Students

Steven P. LaRosa, M.D.

- Small Group Leader, Brown University ID Pathophysiology course (BioMed 351), 2007.

Jerome Larkin, M.D.

- Lecturer and Small Group Leader, Brown University Biomed 351: Pathophysiology of Infectious Diseases 2007.

John R. Lonks, M.D.

- Course Section Leader, Biomed 365: Integrated Medical Sciences. Microbiology/Infectious Diseases, Warren Alpert School of Medicine at Brown University.

Leonard A. Mermel, D.O.

- Small Group Leader, ID Pathophysiology course (BioMed 351), 2005, 2007

- ▶ Small Group Leader, Faculty Development Workshop, 2006

Maria D. Mileno, M.D.

- ▶ Course Director, Brown Medical School Elective: Introduction to Tropical Medicine – 2005 to present.

Edward J. Wing, M.D.

- ▶ Program Director, Brown Medical School Internal Medicine Residency Program

SELECTED PUBLICATIONS

Andrew W. Artenstein, M.D.

- ▶ Artenstein AW, Opal J, Opal S, et al. History of U.S. Military contributions to vaccines against infectious diseases. *Mil Med* 2005;170(4):3–11.
- ▶ Artenstein AW, Johnson C, Marbury TC, et al. A novel, cell culture-derived smallpox vaccine in vaccinia-naïve adults. *Vaccine* 2005;23:3301–9.

FELLOWS AND RESIDENTS

Departing Fellows

Name	Medical School	Residency	Career Plans
Shadaba Asad, M.D.	Fatima Jinnah Medical School	Harbor Hospital Center	Assistant Professor of Medicine at Brown.
Lauri Hicks, DO	PA College of Osteopathic Medicine	University of CT	Staff CDC Division of Respiratory Diseases
Rami Kantor, M.D.	Tel Aviv University	Sheba Medical Center	Assistant Professor of Medicine, Brown University
Emily Lutterloh, M.D.	Indiana University	Maricopa Medical Center	Assistant Professor of Pediatrics, Brown University
Booth Wainscoat, DO	University of NE College of Osteopathic Medicine	University of CT	Staff Physician, Westerly Hospital

Departing NIH T32 Sponsored Research Fellows

Name	Medical School	Residency	Career Plans
Loida Bonney, M.D.	State University of New York Health Sciences Center	Brown University	Asst Professor Medicine and Pediatrics, Emory Medical School
Miriam Haverkamp, M.D.	Medical School of Hanover, Germany	Albert Einstein College of Medicine	ID Fellow, Tufts University
Michael Waxman, M.D.	University of MA	Bellevue Hospital	Assistant Professor of Emergency Medicine

Current Fellows:

Name	Medical School	Residency
Nicole Alexander, M.D.	Upstate Medical Univrsity, NY	University Hospital at Stonybrook
Eirini Christaki, M.D.	University of Thessaloniki	Albert Einstein College of Medicine
Omega Edwards, M.D.	SUNY Downstate College of Medicine	Norwalk Medical Center
Eleni Patrozou, M.D.	University of Athens	Brown Medical School

Current NIH T32 Sponsored Research Fellows

Name	Medical School	Residency
Nanetta Payne, M.D.	PhD Jackson State University	Brown University
Aadia Rana, M.D.	University of Alabama Medical School	Case Western Reserve University
ChiaChing “Jackie” Wang, M.D.	SUNY School of Medicine	Women and Infants
Kimberly Zeller, M.D.	University of Texas South-western Medical School	Natividad Medical Center Salinas Family Practice

- Opal SM, Artenstein AW, Cristofaro PA, Jung JW, Palardy JE, Parejo NA, Lim Y-P. Inter-alpha Inhibitor Proteins are endogenous furin inhibitors and provide protection against experimental anthrax intoxication. *Infect Immunity* 2005;73(8):5101–05.
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- Beckwith CG, Flanigan TP, Carpenter CCJ. HIV Testing and Privacy Laws [Letter-Reply]. *Clin Infect Dis* 2005; 41: 914.
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Patricia Cristofaro, M.D.

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Susan Cu-Uvin, M.D.

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Stephen H. Gregory, M.D.

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Rami Kantor, M.D.

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Erna M. Kojic, M.D.

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Awewura Kwara, M.D.

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Michelle A. Lally, M.D.

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John R. Lonks, M.D.

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Kenneth H. Mayer, M.D.

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Jennifer A. Mitty, M.D.

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Marguerite A. Neill, M.D.

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Lynn E. Taylor, M.D.

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Karen T. Tashima, M.D.

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- ▶ Paul R, Flanigan TP, Tashima K, Cohen R, Lawrence J, Alt E, Tate D, Ritchie C, Hinkin C. Apathy correlates with cognitive function but not CD4 status in patients with human immunodeficiency virus. *J Neuropsychiatry Clin Neurosci* 17(1):114–8, 2005.
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Edward J. Wing, M.D.

- ▶ Radvin JI, Peterson PK, Wing EJ, Ibrahim T, Sande M. Globalization: A new dimension for academic internal medicine. *Am J Med* 119:805–10, 2006.

Nikolas Zaller, M.D.

- ▶ Zaller ND, Thurmond P, Et al. Linkage to methadone treatment from acute opiate detoxification treatment. *Journal of Opioid Management* 2007 2(6):341–346.
- ▶ Zaller N, Thurmond P, et al. Limited Spending: An analysis of correctional expenditures on antiretrovirals for HIV-infected prisoners. *Public Health Reports* 2007; 121(1): 49–54.
- ▶ Zaller N, Gillani F and Rich JD. A model of integrated primary care for HIV positive patients with underlying substance use and mental illness. *AIDS Care In press*, 2007.



RESEARCH

		Direct	Indirect	Total
TOTAL BASIC RESEARCH EXPENSES FOR INFECTIOUS DISEASES	Academic Year 2005	\$738,222	\$165,758	\$903,980
	Academic Year 2006	\$1,079,248	\$350,919	\$1,430,167
TOTAL CLINICAL RESEARCH EXPENSES FOR INFECTIOUS DISEASES	Academic Year 2005	\$9,549,715	\$1,623,636	\$11,173,351
	Academic Year 2006	\$9,333,356	\$1,349,004	\$10,682,360

BASIC RESEARCH

Patricia Cristofaro, M.D.

- ▶ Harnessing RNAi to Prevent Cervical Cancer. Lifespan

Stephen Gregory, Ph.D.

- ▶ A Collaborative for Vaccine Research and Development. Brown University
- ▶ Anti-core LPS Vaccine for Tularemia. Harvard Medical School/NIH

- ▶ Francisella Tularensis: Innate Resistance to Inhalation. National Institute of Aallergy and Infectious Diseases
- ▶ Neutrophil-macrophage Interactions Gover Liver Immunity. NIH/National Insitute of Diabetes and Digestive and Kidney Diseases
- ▶ A Genome-derived, Epitope-driven Tularemia Vaccine. EpiVax/National Institute of Health

Michael Newstein

- ▶ AIsolation of a Intracellular HIV-1 Inhibitor from a Monkey Genomic Episomal Library. Miriam Hospital/National Institutes of Health

Bharat Ramratnam, M.D.

- ▶ Using RNA interference to dissect stem cell potential. Roger Williams Medical Center/National Institutes of Health
- ▶ Novel HIV-1 Microbicides. NIH/National Institute of Allergy and Infectious Disease
- ▶ Overcoming HIV-1 Resistance to RNA Interference. NIH/National Institute of Allergy and Infectious Disease
- ▶ CFAR - Core C: Immunovirology and Laboratory Services. National Institutes of Health
- ▶ SiRNA Microbicides. NIH/National Institute of Allergy and Infectious Diseases
- ▶ Creation and Testing of the advanced system for lentivector-mediated transduction of hematopoietic stem cell and expression of anit HIV-1 shRNAs. U.S. Civilian Research and Development Foundation
- ▶ Transient gene therapy for Inflammatory Bowel Disease. The Eli and Edythe L. Broad Foundation
- ▶ Lab Expressing CV-N as a Microbicide. University of Pittsburgh/National Institutes of Health
- ▶ Impact of Mult-Drug Resistant Proteins on HIV Treatment. Doris Duke Foundation

CLINICAL RESEARCH**Andrew Artenstein**

- ▶ Center for Bioterrorism and Emerging Infections. Rhode Island Department of Health/CDC
- ▶ Center for Bioterrorism and Emerging Infections II. Rhode Island Department of Health/CDC
- ▶ Novel Approaches to Inhibition of Anthrax Toxins. National Institutes of Health
- ▶ Protocol H400-09 and H400-12 , The Safety, Tolerability, and Immunogenicity of ACAM200 Smallpox Vaccine in Adults With or Without Previous Smallpox Vaccination - A Randomized, Double Blind, Fixed Dose, Phase 3 Comparison Between ACAM2000 and Dryvax Smallpox Vaccine. Acambis, Inc/NIH

Curt Beckwith, M.D.

- ▶ MAP's targeted HIV outreach program: Project Faith and Sara's Light. CDC/MAP
- ▶ Rapid HIV Testing in Jail and Associated HIV Risk-Behavior Change. CFAR Developmental Grant Program

Charles Carpenter, M.D.

- ▶ (SUN) Study of Unnatural History of HIV. Centers for Disease Control

- ▶ Center for AIDS Research. National Institute of Allergy and Infectious Disease

E. Jane Carter, M.D.

- ▶ HIV/AIDS Prevention- Kericho Kenya. Henry M. Jackson Foundation
- ▶ Presidential Expansion Project for AIDS Relief. NIH/Center for Disease Control/Indiana University

Susan Cu-Uvin, M.D.

- ▶ Center for AIDS Research - Core D. Lifespan Center for AIDS Research
- ▶ Antiviral Therapy and HIV in the Genital Tract of Women (R-01). National Institutes of Health
- ▶ Antiviral Therapy and HIV in the Genital Tract of Women (K-24). NIH/National Institutes of Allergy and Infectious Diseases

Staci Fischer, M.D.

- ▶ CMV + T Cell Responses. Umass Medical Center

Timothy Flanigan, M.D.

- ▶ HIV Education in Africa. Brown University
- ▶ An Evaluation of Innovative Methods for Integrating Buprenorphine Opioid Abuse Treatment in HIV Primary Care Settings: Demonstration Model Site. Health Resources & Services Administration
- ▶ Planning Grant for the Brown Institute for Clinical and Translational Science. National Center for Research Resources
- ▶ Adult Therapeutic Clinical Trials Program for HIV/AIDS. National Institute of Allergy and Infectious Disease
- ▶ Directly Observed Therapy in Kenya. National Institutes of Health/Fogarty International Center
- ▶ HIV and Other Infectious Consequences of Substance Abuse (T-32). National Institutes of Health
- ▶ Neurocognitive consequences of HIV/AIDS in South India. National Institutes of Health
- ▶ Directly Observed Therapy (DOT) for TB and HIV in Kenya. National Institutes of Health
- ▶ Adapting to HIV: A Family Intervention. National Institutes of Health/Rhode Island Hospital
- ▶ CDAAR Center Grant. National Institutes of Health/Tufts University
- ▶ Center for Biodefense and Emerging Pathogens at Memorial Hospital. RI Department of Health/Memorial Hospital
- ▶ AACTG Pune, India. Social & Scientific Systems, Inc./NIH

- Clinical Service at Thundermist Health Center. Thundermist Health Associates/HRSA

Mary Flynn, Ph.D.

- Comparing a plant based olive oil diet to a conventional diet in women diagnosed with breast cancer after the age of 50 for improvement in biomarkers and weight loss. Susan Komen Breast Cancer Foundation

Melissa Gaitanis, M.D.

- A Multicenter, Double-blind, Randomized, Placebo-controlled Probe Study with an Additional Open label Control Arm to Evaluate the Safety and Immunogenicity of a 3-Dose Regimen of the MRKAd5 HIV-1gag Vaccine in Subjects with Chronic Hepatitis C Virus Infection. Merck & Company
- A Multicenter, Open -Label, Controlled Phase II Study to Evaluate Safety and Immunogenicity of MVA-BN Smallpox Vaccine in 18-55 Year-Old Naïve and Previously Vaccinated HIV Infected Subjects with CD4 Counts>200-500/ul. NIH/National Institutes of Health/Bavarian Nordic Gmb
- A Phase I Dose Ranging Study of the Safety, Tolerability, and Immunogenicity of a 3-Dose Regimen of the MRKAd5 HIV-1 Trigene and the MRKAd6 HIV-1 Trigene Vaccines Alon and in Combination in Healthy Adults. Merck & Company

Joseph Harwell, M.D.

- World Aids Fund – Cambodia. World Aids Fund
- HIV Shed in Cambodia. Fogarty International Center
- Building Interdisciplinary Research Careers in Women's Health. National Institutes of Health/ Women and Infants Hospital
- A Pilot Study of Genital Tract and Blood Plasma Virology and Pharmacology in HIV-1 Infected Women. Rhode Island Foundation

Leah Holmes, MSW

- Project Bridge. National Institutes of Health/Rhode Island Department of Health
- HIV/HCV Counseling, Testing and Referral Services. Rhode Island Department of Health
- HIV Prevention Counseling, Testing, Referral, and Outreach Services. RI Dept of Health/Travelers Aid

Rami Kantor, M.D.

- CFAR Developmental Grant – Keyna. Lifespan Center for AIDS Research

Awewura Kwara, M.D.

- Molecular Epidemiological Study of Tuberculosis in Rhode Island: DNA Fingerprinting and Conventional Analyses. Rhode Island Foundation
- Pharmacokinetics Virologic response to efavirenz-based antiretroviral therapy in HIV/TB co-infected patients receiving rifampin-based TB treatment in sub-Saharan Africa. NIH/National Institutes of Health/CFAR Developmental Grant program
- Concurrent HAART and Tuberculosis Treatment: Drug-Drug Interactions. NIH/National Institutes of Allergy and Infectious Diseases
- Plan B & Efavirenz (9494). Bristol Myers/University of Colorado

Michelle Lally, M.D.

- Nucleic Acid Assays for Diagnosis of HIV Infection Anticipation of an HIV Vaccine. Henry M. Jackson Foundation
- A Phase II Dose-refinement Study of the Merck Adenovirus Serotype HIV-1 gag/pol/nef (MARKAd5 HIV-1 Trivalent Vaccine) in Healthy Adults (Merck 27). MAP/Centers for Disease Control
- A Probe Study of the Safety, Tolerability, and Immunogenicity of a 1-Dose Regiman of the MRKAd5 HIV-1 Gag Vaccine Versus the ALVAC-HIV (vCP205) Vaccine in Healthy Adults Who Previously Received a 3-Dose Regimen of MRKAd5, Ad5, or Placebo in Merck V520. Merck & Company
- A Phase 1 Dose-Ranging Study of the Safety, Tolerability and Immunogenicity of the Merck Trivalent Adenovirus Serotype 5 HIV gag/pol/nef Vaccine (MRKAd5 HIV-1 gag/pol/nef) in a Prime-Boost Regimen in Healthy Adults. Merck & Company
- A Probe Study of the Safety, Tolerability, and Immunogenicity of a Three Dose Regimen of the Ad5 Human Immunodeficiency Virus (HIV-1) Gag Vaccine (Adenovirus Serotype 5 HIV-1 Gag Vector) in Healthy Adults (Merck 007-00). Merck Research Laboratories
- HIV and Infectious Disease Testing and Treatment Among Substance Abusers (K23). National Institutes of Health
- Examining Psychosocial Mediators Exercise Behavior NIH/National Institutes of Health/Epi Vax
- HIV Vaccine Trials Network (VTN). NIH/National Institutes of Health/Harvard Medical School

- ▶ A Phase III trial to Determine the Efficacy of AIDS-VAX B/B Vaccine in Adults at Risk of Sexually Transmitted HIV-1 Infection in the United States. VaxGen

Steven LaRosa, M.D.

- ▶ A Controlled Comparison of Eritoran Tetrasodium and Placebo in Patients with Severe Sepsis. EISAI, Incorporated

John Lonks, M.D.

- ▶ Outcomes of patients not responding to oral macrolide or beta-lactam therapy for the treatment of community-acquired pneumonia due to *Streptococcus pneumoniae* HMR3647A/6012 Aventis Pharmaceuticals Products, Inc.
- ▶ Prevalence of Gatifloxacin (Tequin)-resistance among *Streptococcus Pneumoniae* Isolated Blood from Nine Hospitals Bristol-Myers Squibb
- ▶ Quantitation of methicillin-resistant *Staphylococcus aureus*, (MRSA), Colony Forming Units, (Cfu's), in subjects Testing Positive for MRSA 3M Pharmaceuticals

Grace Macalino, Ph.D.

- ▶ HIV Related Applied Research for Control and Prevention of HIV Infection. Centers for Disease Control

Kenneth Mayer, M.D.

- ▶ HIV Prevention Trials Network. Fenway Community Health Center
- ▶ HIV Prevention Coordination. AIDS Project Rhode Island, Inc.
- ▶ Fogarty/Ellison Fellowship Program Supplement to AITRP. Fogarty International Center
- ▶ AIDS International Training and Research Program. Fogarty International Center
- ▶ New England AIDS Education and Training Center. HRSA/University of Massachusetts
- ▶ Optimizing HIV Care in Less Developed Countries. Massachusetts General Hospital/NIAID
- ▶ CFAR-Core E: Prevention Science Core. National Institute of Allergy and Infectious Disease
- ▶ STD/HIV Prevention Training Center. Centers for Disease Control/Massachusetts Department of Public Health
- ▶ Center for Interdisciplinary Research on AIDS. NIH/National Institute of Mental Health/Yale University
- ▶ Optimizing Men's Sexual Health in a High Risk Environment. CM.D.MH/way Community Health Center

- ▶ Johns Hopkins University "NIMH Collaborative HIV/STD Prevention Trial". NIH/National Institute of Mental Health/Johns Hopkins University

- ▶ Facilitate Innovative Prevention Research on the early Identification of Acutely HIV- Infected and Highly Contagious Persons as Part of a Multi-site Pilot and Feasibility Site. NIH/National Institutes of Mental Health
- ▶ Behavioral Secondary HIV Prevention Interventions in India - International Research Collaboration. NIH/National Institute of Allergy and Infectious Disease

Antone Mederios, M.D.

- ▶ A6J-MC-V010 - MRSA vs. MSSA. Lilly Research

Leonard Mermel, DO

- ▶ A Phase I/II Randomized, Placebo-controlled Trial to Assess the Safety and Efficacy of Intravenous Immunoglobulin G (Omr-IgG-amTM IV) Containing High Anti-West Nile Virus Antibody Titers in Patients with, or at High Risk for Progression to West Nile Virus. University of Alabama at Birmingham/National Institutes of Health
- ▶ Quantitation of Methicillin-resistant *Staphylococcus aureus*, MRSA, Colony Forming Units, (Cfu's), in Subjects Testing Positive for MRSA. 3M Pharmaceuticals
- ▶ Multi-Center Randomized Trial Comparing the Moisture Handling Ability of Two Transparent [Adhesive Dressings During Diaphoretic Episodes. 3M Pharmaceuticals
- ▶ Quantitation of Nares, Groin, Axilla, and Perineum swab Samples From Subjects Testing Positive for Methicillin-resistant *Staphylococcus aureus*, MRSA. 3M Pharmaceuticals
- ▶ A Controlled, Randomized, Single-Blind, Multi-Center Pivotal Clinical Study Using Angiotech CVC to Prevent Bacterial Colonization on Short-term Central Venous Catheters. AngioTech
- ▶ Trial to Reduce Antimicrobial Prophylaxis Errors (TRAPE) Study. University of Tennessee/Centers for Disease Control

Maria Mileno, M.D.

- ▶ The Effect of Formulary Conversion From Ceftazidime to Cefepime on the In Vitro Sensitivities of *Pseudomonas aeruginosa*, *Enterobacter Cloacae* and *Klebsiella pneumoniae* to Selected Antibodies. Kendle International Inc.

Jennifer Mitty, M.D.

- Observed Therapy to Enhance Adherence to Highly Active Antiretroviral therapy in Pregnant and Postpartum Women. Boehringer Ingelheim
- Directly Observed Therapy (DOT) to Enhance Adherence to a Once-A-Day Highly Active Antiretroviral Therapy (HAART) Regimen Among Substance Abusers. Bristol-Myers Squibb
- Modified Directly Observed Therapy Including Tenofovir and Secondary Prevention for HIV(+) Person Leaving Prison. Gilead Sciences
- Directly Observed Therapy (DOT) to Enhance Adherence to a Once-a-Day Highly Active Antiretroviral Therapy (HAART) Regimen Including Tenofovir Among Hard to Reach Populations. Gilead Sciences
- Combining DOT and Prevention for HIV+ Persons Leaving Prison. National Institute on Drug Abuse
- Metabolic Changes among HIV Seropositive Substance Users on Directly Observed Once-Daily Highly Active Antiretroviral Therapy (HAART). National Institutes of Health/Tufts University
- A community-based intervention for HIV medication adherence and Buprenorphine for HIV+ Opioid users. GlaxoSmithKline

Stephen Opal, M.D.

- Anti-core LPS Vaccine for Tularemia. NIH/National Institute of Allergy and Infectious Disease
- Investigations into the mechanisms of action, biomarker identification, and prophylactic/therapeutic activity of WAY-202041 and WAY 202-196 in murine cecal ligation and puncture. Wyeth Laboratories
- The study of anti-rage antibody treatment in a mouse model of polymicrobial sepsis and listeria challenge of wild type, heterozygous and homozygous RAGE . Wyeth Laboratories
- The study of a humanized anti-RAGE antibody M4 as a potential therapeutic strategy in severe sepsis from the cecal ligation and purine murine model. Wyeth Laboratories
- Role of inter-alpha inhibitors in anthrax intoxication. NIH/National Institute of Allergy and Infectious Disease
- Ocean State Clinical Coordinating Center. Eisai, Incorporated

- Evaluation of the estrogen receptor beta-specific antagonist WAY-202196 and WAY-202041 in the murine model of bacteremic pneumococcal pneumonia and identification of biomarkers of efficacy. Wyeth Laboratories
- The study of anti-rage antibody as a potential therapeutic strategy in severe pneumococcal pneumonia in the murine model. Wyeth Laboratories
- Clinical Coordinating Center. Chiron Pharmaceuticals

Josiah Rich, M.D.

- Syringe Prescription Program: Fall River, Massachusetts. American Foundation for Aids Research
- Outreach and Methadone for Former Prisoners. NIH/Substance Abuse and Mental Health Services Administration
- Opiate Replacement Therapy at Release from Incarceration. National Institute of Drug Abuse
- TB Prophylaxis as a model for HIV Care in Russia. U.S. Civilian Research and Development Foundation
- Title III HIV Early Intervention Services (EIS) Program. National Institutes of Health/Rhode Island Hospital
- Comprehensive HIV CARE Act funded Health Care and Support Services for Rhode Islanders living with HIV/AIDS. NIH/Health Resources & Services Administration
- Outreach and Methadone for Former Prisoners. National Institutes of Health
- Rational Opiate Treatment Policies for Incarcerated Populations. Open Society Institute
- Program to Improve Access to HIV Specialist Medical Care. Rhode Island Department of Health
- Overdose Prevention, Recognition and Treatment Using Naloxone. The Tides Foundation

Karen Tashima, M.D.

- Antiretroviral Drug Resistance Among ART Naïve Patients in Providence. Bristol-Myers Squibb, Inc.
- Safety and efficacy study of TPV boosted with low dose ritonavir (TPV/r) 500 mg/200 mg BID in antiretroviral treatment experienced HIV positive patients with HCV or HBV co-infection, with a pilot evaluation of therapeutic drug monitoring (TDM). An open-label, multicenter, multinational study with randomization to standard of care (SOC) or TDM TPV/r therapy (BIPI 1182.99). Boehringer Ingelheim

- ▶ Early Clinical Experience with Atazanavir: Predictors of Success, Evaluation of Adverse Effects, and Appropriateness of Drug Dosing. Bristol-Myers Squibb, Inc.
- ▶ A Phase 3, Randomized, Double-blind, Multicenter Study of the Treatment of Antiretroviral-Naïve, HIV-1-Infected Patients Comparing Tenofovir Disoproxil Fumarate Administered in combination with Lamivudine & Efavirenz versus Stavudine, Lamivudine & Efavirenz. Gilead Sciences
- ▶ A Phase IV Investigation to Compare CSF and Genital Secretion Virology and Tenofovir Levels with Plasma Levels in HIV-1 Infected Patients who are ART Naïve or Failing an Antiretroviral Regimen. Gilead Sciences
- ▶ Early Access of TMC114 in combination with Low-dose Ritonavir (RTV) and Other Antiretrovirals (ARVs) in Highly Treatment Experienced HIV-1 Infected Subjects with Limited or No Treatment Options. i3 Research/Tibotec Pharmaceuticals
- ▶ A Phase II dose-escalating, placebo-controlled, double-blind parallel group study in HIV treatment-experienced patients to evaluate the safety, tolerability and efficacy of PA 103001-04 administered as functional monotherapy for 14 days as part of optimized background regimen for an additional 10 weeks (PA103001-04). Panacos Pharmaceuticals
- ▶ A Phase 3, Randomized, Open-label Study of Lopinavir/rionavir Tablets 800/200mg Once-Daily Versus 400/100mg Twice-Daily when Co administered with Nucleoside/Nucleotide Reverse Transcriptase Inhibitors in Antiretroviral-experienced, HIV-1 Subjects (Protocol M06-802). Abbott Laboratories
- ▶ A Multicenter, Open-Label, Expanded Access Trial of Maraviroc (A4001050). Pfizer Incorporated
- ▶ Safety & Efficacy of an initial regimen of Atazanavir+Ritonavir+the Abacavir/Lamivudine Fixed-dose Combination Tablet (ABC/3TC FDC) for 36 weeks follow by simplification to Atazanavir w/ ABC/3TC FDC or maintenance of the initial regimen for an additional 48 weeks in Antiretroviral-Naïve HIV-1 Infected HLAB*5701 Negative subjects (GSK 108859). Glaxo Wellcome
- ▶ An Open-label Phase III Study to Assess the Long Term Safety Profile of GW433908 Containing Regimens in HIV-1 Infected Adults. GlaxoSmithKline
- ▶ A Phase IV Investigation to Compare CSF and Genital Secretion Virology and Tenofovir Levels with Plasma Levels in HIV-1 Infected Patients who are ART Naïve or Failing an Antiretroviral Regimen. GlaxoSmithKline
- ▶ Early access of MK of MK-0518 in Combination with Optimized Background Antiretroviral Therapy (OBT) in Highly Treatment Experienced HIV-1 Infected Patients with Limited to No Treatment Options (protocol #023-00). Merck & Company
- ▶ Multicenter, double-blind, Randomized, Dose Ranging Study Placebo-Controlled Study, to Evaluate the Safety, Pharmacokinetics and Antiretroviral Activity of L000900612 in Combination with an Optimal Background Therapy Alone, in HIV- Infected Patients with Documented Resistance to at Least One Drug in each of the 3 Classes Licensed Oral Antiretroviral Therapy (005-02). Merck & Company
- ▶ Multicenter, Double-blind, Randomized, Dose Ranging Study to Compare the Safety and Activity of L-000900612 Plus Tenofovir and Lamivudine (3TC) Versus Efavirenz Plus Tenofovir and Lamivudine (3TC) in ART-Naïve, HIV-Infected Patients' (004-10). Merck & Company
- ▶ A Probe Study to Evaluate the Safety, Tolerability, and Immunogenicity of the Adenovirus Serotype 5 Vector (MRKAd5) Human Immunodeficiency Virus Type 1 (HIV-1) gag Vaccine in HIV-1 Infected Patients (014-00). Merck Research Laboratories
- ▶ Safety and efficacy study of TPV boosted with low dose ritonavir (TPV/r) 500mg/200mg BID in antiretroviral treatment experienced HIV positive patients with HCV or HBV co-infection, with a pilot evaluation of therapeutic drug monitoring (TDM). An open-label, multicenter, multinational study with randomization to standard of care (SOC) of TDM TPV/ r therapy. Merck & Company
- ▶ A Probe Study to Obtain Peripheral Blood Mononuclear Cell (PBMC) Samples from HIV-1 Infected Individuals in Order to Evaluate HIV-1 Specific Cellular Immune Responses in Subjects on Highly Active Antiretroviral Therapy (Protocol Merck 005). Merck & Company
- ▶ A Phase IV, Open-label, Randomized, Multicenter Study Evaluating Efficacy and Tolerability of Single Tablet Regimen of Efavirenz/Emtricitabine/Tenofovir DF Compared to Unmodified HAART in HIV-1 Infected Subjects Who Have Achieved Virological Suppression on their HAART Regimen (AI266073). Bristol-Myers Squibb, Inc.

- ▶ Aprobe Study to Evaluate the Safety, Tolerability and Immunogenicity of the Adenovirus Serotype 5 Vector (Ad5) Human Immunodeficiency Virus Type 1 (HIV-1) gag Vaccine in HIV-1 Infected Patients (006). Merck & Company
 - ▶ Adult Therapeutic Clinical Trials Program for HIV/AIDS (ACTG) “Partners Healthcare Systems/Harvard Medical School/The Miriam Hospital/Brown University CRS” The goal of this project is to participate in multi-center HIV/AIDS therapeutic trials. NIAID/NIH
 - ▶ Early Access of TMC125 in Combination With Other Antiretrovirals in Treatment-Experienced HIV-1 Infected Subjects with Limited Treatment Options (TMC 125-C214) . i3 Research/Tibotec Pharmaceuticals
 - ▶ A Descriptive Study of Atripla Use in Women - The First Six Months. Bristol-Myers Squibb, Inc.
 - ▶ A Phase IV, Multicenter, Cross-Sectional Study to Evaluate the I50L Substitution among Subjects Experienceing Virologic Failure on a HAART Regimen Containing Atazanavir (ATV) (AI424128). Bristol-Myers Squibb, Inc.
 - ▶ Lifespan/Tufts Center For AIDS Research: Neurocognitive Function and Neuroimaging Measures in HIV/Hepatitis C Coinfected Patients. Lifespan/Brown/Tufts CFAR
- David Tate, M.D.**
- ▶ Neuroimaging Evidence of Relapsing/Remitting HIV Encephalitis. NIH/National Institutes of Health/CFAR Developmental Grant program
- Lynn Taylor, M.D.**
- ▶ Screening for Acute Hepatitis C Virus Among At Risk HIV+ Populations. Lifespan Center for AIDS Research
 - ▶ Caring for HIV/Hepatitis C in Methadone Program (CHAMP) Study: Modified Directly Observed Adiministration of Pegylated Interferon alfa 2a and Weight-based ribavrin in HIV/NCV Coinfected Patients Attending Methadone Maintenance Programs. Roche Laboratories
 - ▶ Identifying Acute Hepatitis C Virus among AT-Risk Hard-to-Reach HIV- Seropositive Populations. Rhode Island Foundation



Medicine-Pediatrics resident, Dr. Sabrina Assoumou and Dr. Timothy Flanigan.

KIDNEY DISEASE AND HYPERTENSION

Clinical, research and educational programs in nephrology continue to evolve and expand. One notable change in the past year was the renaming of our division, which is now called the Division of Kidney Disease and Hypertension. This change was made because the terms nephrology and renal are not well understood by the population that we serve and also to call attention to our clinical and research focus which includes not only kidney disease, but also hypertension as well.

Clinically, the division provides consultative services for inpatients with kidney disease or hypertension at Rhode Island Hospital, The Miriam Hospital and the Providence Veteran's Hospital, to outpatients in our offices or clinics at all three hospitals, and also in the Hallett Diabetes Center and at the University Medicine Foundation offices on Governor Street in Providence. At Rhode Island Hospital the kidney division is an integral part of the kidney and pancreas transplant program, which is a joint medical, surgical effort. Described below, the transplant team provides outstanding, innovative clinical service to patients with end stage kidney disease and conducts state of the art clinical/translational research on various topics related to transplantation. Division faculty also provide clinical and administrative leadership for several inpatient and outpatient dialysis units in the Providence metropolitan area. The inpatient dialysis units at Rhode Island Hospital and The Miriam Hospital are quite busy and perform approximately 8000 treatments per year, primarily to hospitalized patients with acute or chronic renal disease, not only in the dialysis units themselves, but also in the intensive care units at both institutions. The Dialysis Unit at Rhode Island Hospital also provides plasmapheresis and plasma exchange to patients with diverse types of kidney, hematological and neurological diseases.

The Division has experienced steady growth in the size of its chronic dialysis program, which began in about 2000 and now includes over 150 patients with end stage renal disease (ESRD) treated with dialysis. In addition to directing the inpatient units at Rhode Island and the Miriam Hospital, Division faculty are medical directors of the dialysis unit at the VA hospital and at two privately owned outpatient dialysis units in North Providence and in East Providence respectively. Our faculty also provides clinical care for patients with ESRD at several other private dialysis units in Providence



Lance Dworkin, M.D., Professor of Medicine, Director, Division of Kidney Disease and Hypertension, Rhode Island Hospital and The Miriam Hospital, Vice Chairman, Research and Academic, Affairs, Rhode Island Hospital and The Miriam Hospital

and in Warwick. In all of these venues, division faculty and fellows strive to provide high quality and innovative care to patients with ESRD. Nocturnal dialysis is one such innovative program, initiated and overseen by Douglas Shemin M.D. that is ongoing. In this technique, patients receive a long, 7-hour dialysis treatment overnight, while they are sleeping in the dialysis facility. This form of therapy provides almost twice as much dialysis as is typically prescribed for kidney patients, is associated with better control of metabolic and physiologic markers of disease. This novel therapy may be particularly well suited to younger patients and/or those that are either working or attending school as functional status is significantly greater in patients on nocturnal as compared to standard dialysis. Whether or not nocturnal dialysis also improves long-term outcomes for patients with kidney failure is the subject of intense interest and investigation.

The Division has successful, externally funded programs in both basic and clinical research. The clinical research program is notable in that two of the largest NIH funded clinical trials currently underway in patients with chronic kidney disease are currently lead by Division faculty. Dr. Andrew Bostom is the Principal Investigator for "The Folic Acid for Vascular Outcome Reduction In Transplantation (FAVORIT)" study. FAVORIT, is a multicenter, randomized, double-blind controlled clinical trial sponsored by the National Institute of Diabetes & Digestive & Kidney

Diseases. The 8-year trial is designed to determine whether treatment with a standard multivitamin augmented with high doses of folic acid, vitamin B6 and vitamin B12 reduces the rate of cardiovascular disease outcomes in renal transplant (graft) recipients relative to participants receiving a similar multivitamin that contains no folic acid and lower (i.e., Estimated Average Requirement) amounts of vitamins B6 and B12. The FAVORIT trial will demonstrate whether or not tHcy-lowering treatment is effective in reducing CVD outcomes among renal transplant recipients. Moreover, the findings will be applicable to the much larger overall pool of patients who have chronic renal insufficiency. With 4000 participants drawn from 20 major North American and Canadian renal transplant centers, FAVORIT is the largest study of CVD prevention ever undertaken in the chronic renal disease.

Lance Dworkin is the overall leader and study chair for the CORAL trial, which is currently underway at approximately 90 enrolling centers around the United States, and internationally in Canada, Australia, New Zealand, Brazil and Argentina. The CORAL study is comparing the effects of renal artery angioplasty and stenting with medical therapy versus optimal medical therapy alone on combined cardiovascular and renal outcomes in 1100 patients with atherosclerotic renal vascular disease and hypertension. The study was funded by the National Heart Lung and Blood Institute beginning April, 2004 and has a combined budget of approximately \$30 million dollars for the 6 year period during which the study will be conducted. With approximately 250 patients entered into the randomized phase so far, the study is well underway and has already attracted considerable interest. Other areas of active clinical investigation include anemia management, dialysis adequacy and outcomes in acute and chronic renal failure, directed by Douglas Shemin, accurate determination of glomerular filtration rate and the association between mild to moderate renal function and cardiovascular disease by Susie Hu, hypertension, chronic renal disease and cardiovascular disease by Lance Dworkin, and diverse topics in transplantation medicine by Reginald Gohh and Angelito Yango.

The laboratory research program was significantly enhanced this year by the recruitment of Shougang Zhuang, M.D., PhD, from the Medical University of South Carolina. Dr. Zhuang was originally trained in China, then worked as a research fellow at the Tokyo Medical and Dental University School of Medicine, before coming to the United States where he was first a Research Associate and later Instructor at Harvard

Medical School. Dr. Zhuang joined the Division as Associate Professor of Medicine (research) and where he has established and directs an NIH funded, independent research program. His laboratory is interested in the mechanisms of renal regeneration after injury and in developing therapeutic agents that promote renal recovery after acute kidney injury (AKI). His current projects are focused on determining the intracellular signaling events critical for renal epithelial cell dedifferentiation and migration after injury, as well as defining the role of suramin in stimulating renal epithelial cell regeneration and accelerating recovery of renal function following ischemia/reperfusion-induced AKI. Dr. Zhuang has recruited two post-doctoral fellows to work with him on these projects and is also providing opportunities for residents, fellows and students to gain experience in basic research.

Also progressing as a member our research faculty is Dr. Rujun Gong who was recruited as part of a national search for a PhD scientist with expertise in molecular/cell biology and in the pathogenesis of renal disease. Dr. Gong obtained his M.D. and PhD degrees from Nanjing University Medical School in Nanjing, China. Dr. Gong came to Brown Medical School in November, 2001 to join the laboratory of Lance Dworkin as a post-doctoral research fellow. Rujun did an outstanding job in that capacity, producing novel data on the effects of hepatocyte growth factor on matrix turnover and as a modulator of renal inflammation, both processes contributing importantly to progression of chronic renal disease. Since that time he has examined other signaling molecules important in these processes, which has resulted in a steady stream of first rate, peer-reviewed original reports in high impact journals. Rujun has also obtained significant extra-departmental funding in the form of a developmental grant from Lifespan as well as a young investigator award from the Institute for Health. In recognition of these successes, Dr. Gong was promoted from Instructor to Assistant Professor of Medicine (Research). He continues to work with Lance Dworkin on mechanisms of progression of chronic renal disease. Gong and Dworkin use cell culture systems to dissect basic pathways that are involved in the regulation of cell processes such as inflammation and fibrosis, that play a central role in the progression of chronic renal disease. Insights from these cell studies are then examined in a variety of animal models of kidney disease in mice and rats, in order to determine their biological significance. The team includes a post-doctoral research fellow as well as a senior research assistant.

Two other new developments in research program are worthy of note. This year, the Brown University received

an extremely generous donation of \$1.25 million from the Rhode Island based, Foundation for Health to fund research on kidney disease. The funds have been deposited at Brown as an endowment; income from the gift fund will be distributed by Division and Department leadership each year to promising investigators conducting renal research or to fund other research needs of the division. Also of note, this year, one of Brown's two full-time pediatric nephrologists, Andrew Brem, gave up a large portion of his clinical practice to join the adult division laboratory research program as a near full-time investigator. Dr. Brem is interested in vascular biology, hypertension, renal injury and fibrosis and, in particular, steroid metabolism as it affects these processes. He is collaborating with Rujun Gong in these studies, which have already led to presentations at national meetings.

Andrew Brem's involvement in activities of the Kidney Division is long-standing and extends well beyond his participation in the laboratory research program, and this illustrates another important aspect of the kidney program at Brown, its collaborative nature. For many years, Dr. Brem has had adult renal fellows working with him in the pediatric renal clinic, in order to provide them with an experience in pediatric nephrology. This tradition is being continued by the new Director of Pediatric Nephrology, Mohammed Faizan, M.D., with the support of the Chairman of the Department of Pediatrics, Aaron Friedman, who is also a pediatric nephrologist and a frequent participant in our Divisional conference series. All of the pediatric nephrologists are also actively involved in teaching renal pathophysiology course to Brown Medical Students in the second year. In addition to the Department of Pediatrics, the Kidney Division also has a very collaborative working relationship with our four transplant surgeons, Dr. Anthony Monaco, Dr. Paul Morrissey, Dr. Kevin Charpentier, and Dr. Amitabh Gautam, who round frequently with fellows rotating on the transplant service, provide lectures and attend conferences in the division. Three members of the pathology department are also have extensive interactions with our program. Dr. Alfredo Esparza is an expert renal pathologist, reviews renal biopsies for the division, and provides hours of instruction to fellows and faculty on the pathology of kidney disease. Dr. Abdalla Rifai is director of Clinical Immunology, and expert on the pathogenesis of glomerular disease and an integral member of the basic laboratory research team. Finally, Dr. Staci Fischer is a member of the Division of Infectious Disease, but also our full-time transplant infectious disease expert. Her office and clinic are located in the transplant unit of the Kidney division and she works, rounds and instructs fellows and residents on this complex topic.

Another milestone this year was the 10 year anniversary of the affiliation between the Division of Kidney Disease and Hypertension at Brown and the Research Institute of Nephrology in Nanjing, under the auspices of the Renal Sister Center Program of the International Society of Nephrology. This program pairs kidney centers in developing countries with established programs in the United States or Europe, in order to facilitate the development worldwide of clinical and academic programs in nephrology. The affiliation between the nephrology programs at Nanjing University and Brown began in May 1997. As a result of this affiliation, several post-doctoral fellows from Nanjing have spent 1-2 years working in the kidney division laboratories at Brown. More recently, there have been visits to Brown by faculty from Nanjing, including a 3 day visit last year by Professor Liu, who is the current director of the Research Institute of Nephrology, and a 3 month observership of our clinical and training programs in nephrology at Brown earlier this year by Dr. Wei Shi Hu, who is the director of clinical programs in nephrology at the Institute in Nanjing. In May 2007, Lance Dworkin, Ed Wing, Rena Wing and Rujun Gong traveled to China for two weeks to visit the Research Institute of Nephrology in Nanjing as visiting professors, to further enhance this program. The Research Institute of Nephrology at Nanjing is the premier kidney program in China. It occupies a modern 7 story building on the campus of Jingling Hospital, which has nearly inpatient 2000 beds, as well as a brand new outpatient facility that opened just 2 months prior to our visit. The Institute also contains large modern clinical and research laboratories with state of the art equipment for modern molecular and cell biology. Major areas of investigation include studies on the pathogenesis and treatment of glomerular diseases, including Systemic Lupus Erythematosus and IgA nephropathy, and diabetic nephropathy. The Brown delegation was very impressed with the University, the hospital, the Renal Institute, with their physical plant and facilities, and with the faculty and trainees with whom we met. We hope to work actively with our partners in China to expand the collaboration between the kidney programs. A new post-doctoral fellow, funded by the International Society of Nephrology, will be arriving in December to work in the Dworkin lab for two years. This will bring total funding for the Sister Center Program to over \$40,000 per year, with the possibility of additional funding up to about \$70,000 to enhance our collaborative programs. One goal is to provide opportunities for nephrology fellows to visit China and observe nephrology practice and research in an international setting.

Division faculty are actively engaged in providing nephrology education to medical students, residents, clinical, and post-doctoral research fellows. Division faculty teach renal physiology, pharmacology and pathophysiology to medical students in both the lecture and small group format each year. The nephrology portion of the second year pathophysiology course is co-directed by Doug Shemin and Susie Hu and receives highly favorable reviews each year. Beginning in 2004, the Medicine A service of the residency training program was modified to create a Renal Team that admits patients of the full-time faculty with acute or chronic renal disease, as well as renal transplant patients. Members of the full-time faculty serve as attendings on that service, rounding with residents and students daily for 12 months per year. This has greatly enhanced resident education in nephrology and has provided for increased interaction between division faculty, fellows and the medicine housestaff. The nephrology fellowship began at Rhode Island Hospital in 1966 and has been in existence for over 40 years. Aply directed by Gary Abuelo for many years, it is a highly competitive program that attracts approximately 200 applicants each year, including many internal applicants from our medicine residency, for its three training slots. The fellowship is a two year program that includes 18 months of clinical education and 6 months of clinical or laboratory research. The program boasts a 100% nephrology board pass rate and our graduates are highly sought after for both clinical and academic positions. Recent graduates are currently working in many communities around the country, including Florida, North Carolina, Virginia, Utah, as well as in Providence and the New England area. In addition to the regular fellowship program leading to board certification, the division also accepts post-doctoral fellows seeking training in basic, laboratory research. The laboratory research program currently provides training to three post-doctoral fellows, working with Drs. Zhuang, Gong and Dworkin. The positions are both internally and externally funded. One slot is typically filled by an individual from our sister center in Nanjing and will be primarily funded by a grant from the International Society of Nephrology in the coming year. Past postdoctoral fellows have gone on to faculty positions in the United States and internationally, including Rujun Gong who is currently Assistant Professor of Medicine in our own division at Brown.

Transplantation

The Division of Organ Transplantation remains one of the busiest and most aggressive centers in New England. Since the inception of the program in 1997, close to

700 kidney transplant procedures have been performed at Rhode Island Hospital, averaging between 70-80 transplants per year. It is also among only five centers in New England that currently offers pediatric kidney transplantation. The center follows a cadre of over 1100 transplant recipients, which accounts for over 1800 clinic visits to the transplant nephrologists at Rhode Island Hospital each year.

In 2003, pancreas transplantation was introduced to the program. Diabetics with frequent insulin reaction as well as those poorly controlled on insulin are ideal candidates as this procedure markedly improves quality of life. Pancreas and kidney transplantation may be performed simultaneously when diabetes is cause of kidney failure or, after a successful kidney transplantation to prevent progressive injury to the kidney from uncontrolled diabetes.

The center provides a multidisciplinary approach to patient care through a comprehensive group of medical/surgical specialists, nurses, pharmacists, social workers and other support services. Overseeing the medical care of the patients are two full time transplant nephrologists. Dr. Reginald Gohh is the medical director and an associate professor of medicine at Brown University Medical School. Dr. Angelito Yango Jr. is the associate medical director and an assistant professor of medicine at Brown University Medical School. Recent addition to the medical team is Dr. Staci Fischer, (Transplant Infectious Diseases) and Dr. Jodi Underwood (Psychiatry).

Transplant Research

The Division of Organ Transplantation is at the forefront of critical advances in transplantation including the use of donor bone marrow cell infusions and newer biological agents to reduce allograft rejection and immunosuppressive drug requirements. The center continues to be an active participant in national and international trials evaluating the efficacy of various drug regimens in improving outcomes, reducing rejection rates and enhancing quality of life. The center has also recently instituted protocols for reducing alloantibody levels in highly sensitized patients using intravenous immunoglobulins, plasmapheresis and anti-CD20 antibodies. Currently, the division is involved in eight ongoing trials and employs three full time research nurses.

Residents and fellows are actively involved in several basic and clinical researches in the division. Dr. Gohh has been involved in investigating the role of preemptive plasma-

pheresis in preventing recurrent FSGS in renal transplant recipients. In collaboration with Dr. Fatemah Aklaghi of University of Rhode Island, College of Pharmacy, Dr Gohh is also investigating the pharmacokinetics of mycophenolate mofetil in diabetic renal transplant recipients.

Dr. Yango has recently introduced a program for protocol renal biopsies to monitor early stages of rejection and chronic allograft nephropathy in renal transplant recipients. The center performs 70–90 bedside ultrasound guided renal transplant biopsies a year and this has been a valuable tool in immunosuppression management. Dr. Yango is also investigating the role of hepatocyte growth factors as a non invasive indicator for allograft injury and rejection.

Transplant Fellowship

A one year transplant fellowship is available to nephrology fellows who have successfully completed their two year clinical training. The fellowship involves all aspects of pre- and post-transplant care including donor and recipient medical evaluation, designing immunosuppressive regimen, renal transplant biopsy and management of medical complications in transplant.

FACULTY MEMBERS

FULL-TIME FACULTY (Hospital and Foundation Based)

- Lance D. Dworkin, M.D.**, Director, Professor, Rhode Island Hospital, University Medicine Foundation
- J. Gary Abuelo, M.D.**, Associate Professor, Rhode Island Hospital, University Medicine Foundation
- Andrew G. Bostom, M.D., M.S.**, Associate Professor, Rhode Island Hospital, University Medicine Foundation
- Reginald Gohh, M.D.**, Associate Professor, Rhode Island Hospital, University Medicine Foundation
- Rujun Gong, Ph.D.**, Assistant Professor of Medicine (Research) Rhode Island Hospital
- Susie Lee Hu, M.D.**, Assistant Professor of Medicine, Rhode Island Hospital
- John O’Bell, M.D.**, Assistant Professor of Medicine, Rhode Island Hospital
- Douglas Shemin, M.D.**, Associate Professor, Rhode Island Hospital, University Medicine Foundation
- Angelito Yango, Jr., M.D.**, Assistant Professor of Medicine, Rhode Island Hosp., University Medicine Foundation
- Shougang Zhuang, M.D., PhD.**, Associate Professor of Medicine (Research) Rhode Island Hospital

VOLUNTEER FACULTY

- Joseph Chazan, M.D.**, Clinical Professor, Rhode Island Hospital
- Jeffrey Clement, M.D.**, Clinical Assistant Professor, Miriam Hospital
- Christopher Cosgrove, M.D.**, Clinical Assistant Professor, Rhode Island Hospital
- Richard Cottiero, M.D.**, Clinical Associate Professor, Miriam Hospital
- Daniel Dragomire**
- Raymond Endreny, M.D.**, Clinical Associate Professor, Rhode Island Hospital
- Elkin Estrada, M.D.**, Clinical Assistant Professor, Miriam Hospital Miriam Hospital
- Boyd P. King, M.D.**, Clinical Associate Professor, Rhode Island Hospital
- Thomas Krahn, M.D.**, Clinical Assistant Professor, Rhode Island Hospital
- George Lee, M.D.**, Clinical Assistant Professor, Rhode Island Hospital
- Charles E. McCoy, M.D.**, Clinical Associate Professor, Rhode Island Hospital
- Ildiko Medve, M.D.**, Clinical Instructor, Rhode Island Hospital
- Mark Siskind, M.D., M.S.**, Clinical Associate Professor, Rhode Island Hospital
- Michael Thursby, D.O.**, Clinical Assistant Professor, Rhode Island Hospital
- Marc Weinberg, M.D.**, Clinical Associate Professor, Miriam Hospital
- David C. Yoburn, M.D.**, Clinical Associate Professor, Memorial Hospital of Rhode Island
- Steven Zipin, M.D.**, Clinical Assistant Professor, Miriam Hospital

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION OF FACULTY

Andrew G. Bostom, M.D., M.S.

INVITED PRESENTATIONS

- “The Kidney and Homocysteine Metabolism”, ASN/ ISN World Congress of Nephrology, San Francisco, CA
- “Measurement and Parameters and Methodologies in Chronic Renal Disease, ASN Renal Week, Philadelphia, PA

Lance D. Dworkin, M.D.

- ▶ Honorary Professor, Jinling Hospital, Nanjing University School of Clinical Medicine, Nanjing, China, 2007–2010

INVITED PRESENTATIONS

- ▶ Harvard Medical School, Intensive Board Review and Contemporary Issues in Nephrology. Ischemic Nephropathy. September 11, 2005
- ▶ Baystate Medical Center, Chestnut Conference Center. Controversies in Renal Vascular Disease. Medical Treatment of Renal Vascular Disease. Springfield, MA, September 28, 2005
- ▶ Worcester Medical Center/St. Vincent's Hospital, Renal Grand Rounds, 2005
- ▶ American Society of Nephrology 38th Annual Meeting and Scientific Exposition. Hypertension: CKD and CVD: Strategies to Evaluate and Reduce Risks. "What's New in Renal Artery Stenosis? The CORAL Trial". Philadelphia, PA. November 9, 2005.
- ▶ American Heart Association Scientific Sessions, 2005, Renal Vascular Disease: A Time to Focus on Proper Identification and Treatment of High-Risk Individuals, Dallas, TX, November 14, 2005
- ▶ Emory University, Medical and Renal Grand Rounds. On Beyond ACE's: Uncovering the Multiple Renal Protective Actions of HGF. Atlanta, GA, March 28, 2006.
- ▶ Holy Name Hospital/Medical Society of New Jersey. Renal Vascular Disease: Diagnosis, Treatment, and Clinical Study Symposium. "Controversial Treatments of RAS". Newark, NJ. April 5, 2006.
- ▶ American Society of Hypertension 21st Annual Scientific Meeting and Exposition: Characterizing the Hypertension Phenotypes "The Controversial Treatment of Renal Artery Stenosis: The CORAL Trial". New York, NY. May 19, 2006.
- ▶ University of Miami, Renal Grand Rounds, 2007
- ▶ New York Methodist Hospital, Renal Grand Rounds, 2007
- ▶ St. Luke's Medical Center, Milwaukee, Wisconsin, Renal Grand Rounds, 2007
- ▶ University of Texas, Southwestern Medical Center, Dallas, Texas, Renal Grand Rounds, 2007
- ▶ Foundation for the Prevention of Cardiovascular Risk, Cardio-Renal Meeting: "Hypertension, Renovascular Disease, and Conduit Vessel Function". New York, NY, March 29, 2007

- ▶ Jinling Hospital, Nanjing University School of Clinical Medicine, Visiting Professor. "Renal Artery Stenosis: Controversies and the CORAL Trial", "Renal Protection with AII Receptor Blockers: Beyond Hemodynamics, Usual Doses and the AT1 Receptor". Nanjing, China, May 20–June 1, 2007.

Reginald Gohh, M.D.

INVITED PRESENTATIONS

- ▶ National Institute of Transplantation of Paraguay, Asuncion, Paraguay, August 2006, "Organ Donation"

Rujun Gong, M.D., Ph.D.

- ▶ Northwestern Cardiovascular Young Investigator Award Finalist, Chicago, IL, 2006.

INVITED PRESENTATIONS

- ▶ Northwestern Cardiovascular Young Investigators' Forum, Northwestern University, Chicago, 09/30/2006. "Anti-inflammatory effect of hepatocyte growth factor in chronic kidney disease: Targeting the inflamed vascular endothelium."
- ▶ Senior Scholar Visiting Research Conference of the International Society of Nephrology Sister Renal Center Program, Research Institute of Nephrology, Nanjing University School of Medicine, Nanjing, China, 05/20/2007–06/02/2007. "Regulating the Proinflammatory NF κ B Activation in Progressive Chronic Kidney Disease: From Hepatocyte Growth Factor (HGF) to Glycogen Synthase Kinase (GSK)-3 β ."

John W. O'Bell, M.D.

INVITED PRESENTATION

- ▶ Poster Presentation at the American Society of Nephrology Meeting. "Epidemiology and Outcomes of Acute Renal Failure in Hospitalized Patients: A National Survey. November, 2005

Douglas Shemin, M.D.

- ▶ Chairman, End Stage Renal Disease Network of New England, 2006–2008
- ▶ Named "Outstanding Medical Professional" by National Kidney Foundation of Massachusetts, Rhode Island, New Hampshire, and Vermont, 2006

Angelito Yango, Jr., M.D.

INVITED PRESENTATIONS

- ▶ National Kidney Foundation "Transplantation in the Elderly"

Shougang Zhuang, M.D., Ph.D.

INVITED PRESENTATIONS

- ▶ Yokohama City University Department of Molecular Biology, Japan, 2005

Faculty Members of Study Sections and Advisory Committees**Lance D. Dworkin, M.D.**

- ▶ National Kidney Foundation Executive Committee of the Council on Hypertension
- ▶ Medical Advisory Board, National Kidney Foundation of Massachusetts, Rhode Island,
- ▶ National Institute of Health, General Medicine B Study Section & Urology Special Emphasis Panel
- ▶ Harvard Medical School, Intensive Board Review and Contemporary Issues in Nephrology
- ▶ American Society of Nephrology, Policy and Public Affairs Committee, 2005–2006
- ▶ American Society of Nephrology, Hypertension Advisory Group, 2005–present

Reginald Gohh, M.D.

- ▶ Medical Advisory Board, National Kidney Foundation – Regional Board of Directors of Massachusetts and Rhode Island
- ▶ Board of Directors and Chairman of Transplant Committee, ESRD Network of New England

Rujun Gong, M.D., P.D.

AD HOC REVIEWER

- ▶ Journal of the American Society of Nephrology
- ▶ Kidney International
- ▶ American Journal of Pathology
- ▶ American Journal of Physiology Renal Physiology
- ▶ American Journal of Kidney Disease
- ▶ Cell Biology International
- ▶ Molecular and Cellular Biochemistry

Shougang Zhuang, M.D., PhD

AD HOC REVIEWER

- ▶ Journal of Photobiology and Photochemistry
- ▶ Journal of Pharmacology and Experimental Therapeutics
- ▶ Kidney International
- ▶ Journal of the American Society of Nephrology
- ▶ Peptides

TEACHING ACTIVITIES EDUCATION HONORS**Lance D. Dworkin, M.D.**

- ▶ Brown Medical School Dean's Teaching Excellence Award, 2005, 2006

Susie L. Hu, M.D.

- ▶ Brown University, School of Medicine
- ▶ Dean's Teaching Excellence Award. 2005, 2006

John W. O'Bell, M.D.

- ▶ Brown Medical School Dean's Teaching Excellence Award. 2005, 2006
- ▶ Brown Medical School Department of Medicine Attending Teaching Award. 2006

Angelito Yango, Jr., M.D.

- ▶ Young Investigator's Award
- ▶ Dean's Teaching Excellence Award, Brown Medical School 2005

TEACHING RESPONSIBILITIES**J. Gary Abuelo, M.D.**

- ▶ Program Director, Nephrology Fellowship
- ▶ Lecturer/Small Group Preceptor, Renal Pathophysiology, Brown Medical School

Lance D. Dworkin, M.D.

- ▶ Small Group Leader, Renal Pathophysiology, Brown Medical School

Reginald Gohh, M.D.

- ▶ Lecturer/Small Group Leader, Renal Pathophysiology (Biomed 281)

Susie L. Hu, M.D.

- ▶ Co-course Leader, Renal Pathophysiology, Brown University, School of Medicine 2005

John W. O'Bell, M.D.

- ▶ Lecturer/Small Group Leader, Renal Pathophysiology, Brown Medical School
- ▶ Renal Elective Course Director, Rhode Island Hospital and The Miriam Hospital

Douglas Shemin, M.D.

- ▶ Course Co Leader, Renal Pathophysiology, Brown Medical School

NEPHROLOGY FELLOWSHIP PROGRAM

Departing Fellows

Amit Johnsingh, M.D., Private Practice, FL
 Kevin Lowery, M.D., Private Practice, VA
 Clyde Mendonca, M.D., Private Practice, Hospitalist, MA

Current Fellows

Subil Go, M.D., University of the Philippines, M.D.; Cleveland Clinic Foundation, OH, Residency
 Premal Joshi, M.D., Baroda Medical College, M.D.; Wright State University, OH, Residency
 Abha Saxena, M.D., University of Alabama School of Medicine, M.D.; Robert Wood Johnson University, Residency
 Ritche Chiu, M.D., Cebu Doctors College of Medicine, M.D.; Eastern Virginia Medical School, VA, Residency

Angelito Yango, M.D.

- ▶ Fellowship Research Coordinator
- ▶ Medical Student/Resident Renal Elective Coordinator

PUBLICATIONS

J. Gary Abuelo, M.D.

- ▶ Normotensive ischemic acute renal failure. *NEJM*, accepted for publication, April 2007.

Andrew Bostom, M.D.

- ▶ Friedman AN, Hunsicker LG, Selhub J, Bostom AG: Collaborative Study Group. Related articles, Links C-reactive protein as a predictor of total arteriosclerotic outcomes in type 2 diabetic nephropathy. *Kidney Int* 2005 Aug 68(2):773-8

Lance D. Dworkin, M.D.

- ▶ Murphy TP, Cooper CJ, Dworkin LD, Henrich WL, Rundback JH, Matsumoto AH, Jamerson KA, D'Agostino RB. The Cardiovascular Outcomes with Renal Atherosclerotic Lesions (CORAL) Study: rationale and methods. *J Vasc Interv Radiol* 2005; 16(10):1295-1300.
- ▶ Cooper, CJ, Murphy TP, Matusomoto A, Steffes M, Cohen DJ, Jaff M, Kuntz R, Jamerson K, Reid D, Rosenfield K, Rundback J, D'Agostino R, Henrich W, Dworkin LD. Stent revascularization for the prevention of cardiovascular and renal events among patients with renal artery stenosis and systolic hypertension: Rationale and design of the CORAL trial. *Am Heart J* 2006; 152(1):59-66.
- ▶ Dworkin, LD. Controversial treatment of renal artery stenosis. *Hypertension* 2006; 48(3):350-356
- ▶ Dworkin LD, Jamerson K. The case against angioplasty and stenting of atherosclerotic renal artery stenosis. *Circulation* 2007; 115:271-276.

Reginald Gohh, M.D.

- ▶ Gohh RY, Yango AF, Morrissey PE, Monaco AP, Gautam AG, Sharma M, McCarthy ET, Savin, VJ. Preemptive plasmapheresis and recurrence of FSGS in high-risk renal transplant recipients. *Am J Transplant* 2005; 5(12): 2907-2912.
- ▶ Morrissey PE, Dube C, Gohh R, Yango A, Gautam A, Monaco AP. Good samaritan kidney donation. *Transplantation*. 2005; 80(10):1369-73.
- ▶ Akhlaghi F, Patel CG, Zuniga XP, Halilovic J, Preis IS, Gohh RY. Pharmacokinetics of Mycophenolic Acid and Metabolites in Diabetic Kidney Transplant Recipients. *Ther Drug Monit*. 2006; 28(1):95-101.
- ▶ Gautam A, Morrissey PE, Brem AS, Fischer SA, Gohh RY, Yango AF, Monaco AP. Use of an immune function assay to monitor immunosuppression for treatment of post-transplant lymphoproliferative disorder. *Pediatr Transplant*. 2006;10(5):613-6.
- ▶ Gohh RY, Warren G. The preoperative evaluation of the transplanted patient for nontransplant surgery. *Surg Clin N Am*. 2006.

Rujun Gong, M.D., Ph.D.

- ▶ Gong R, Rifai A, Dworkin LD. Hepatocyte growth factor suppresses acute renal inflammation by inhibition of endothelial E-selectin. *Kidney Int* 2006; 69(7):1166-1174.
- ▶ Gong R, Rifai A, Dworkin LD. Anti-inflammatory effect of hepatocyte growth factor in chronic kidney disease: Targeting the inflamed vascular endothelium. *J Am Soc Nephrol* 2006;17(9): 2464-2473.
- ▶ Yu C, Gong R, Rifai A, Tolbert EM, Dworkin LD. Long-term, high-dosage candesartan suppresses inflammation and injury in chronic kidney disease: nonhemodynamic renal protection. *J Am Soc Nephrol* 2007;18(3):750-759.

Susie L. Hu, M.D.

- Hu, S. and Jaber B. Ribavirin Monotherapy for HCV-Associated Membranous Nephropathy. *Clinical Nephrology*. 2005; 63(1): 41–45.
- Brim N, Cu-Uvin S, Hu S and O’Bell J. Bone Disease and Pathologic Fractures in a Patient with Tenofovir-Induced Fanconi’s Syndrome. *The Aids Reader* 2007; in publication.

John W. O’Bell, M.D.

- Liangos O, Wald R, O’Bell JW, Price L, Pereira BJ, Jaber, BL. “Epidemiology and Outcomes of Acute Renal Failure in Hospitalized Patients: A National Survey.” *CJASN* 2006; 1:43–51.
- Brim, NM, Cu-Uvin S, Hu SL, O’Bell, JW. “Bone Disease and Pathologic Fractures in a Patient with Tenofovir-Induced Fanconi’s Syndrome.” *The AIDS Reader*. Accepted for publication, June 2007.

Douglas Shemin, M.D.

- Brem AS, Lambert C, Kitsen J, Somers M, Shemin D. Chronic dialysis and access related morbidities in children. *Dialysis Transplantation* 2005; 34:278–289.

Angelito Yango, M.D.

- Gohh RY, Yango AF, Morrissey PM, Monaco AP, Gautam A, Sharma M, McCarthy ET, Savin VJ. Preemptive plasmapheresis and recurrence of FSGS in high-risk renal transplant recipients. *Am J Transplant*. 2005; 5:2907–12.

- Gautam A, Morrissey PE, Brem AS, Fischer SA, Gohh RY, Yango AF, Monaco PM. Use of an immune function assay to monitor immunosuppression for treatment of post-transplant lymphoproliferative disorder. *Pediatric Transp* 2006
- Yango AF, Gohh RY, Monaco AP, Reinert S, Gautam A, Dworkin LD, Morrissey PE. Excess risk of renal allograft loss and early mortality among elderly recipients is associated with poor exercise capacity. *Clin Nephrology* 2006; 65: 401–7.
- Morrissey PM, Yango A. Renal Transplantation: Older Recipients and Donor. *Clin Geriatr Med*. 2006; 22 (3): 687–707.

Shougang Zhuang, M.D., Ph.D.

- Zhuang S, Schnellmann RG. Suramin promotes proliferation and scattering of renal epithelial cells. *J Pharmacol Exp Ther*. 2005, 314:383–90
- Zhuang S, Yan Y, Han J, Schnellmann RG. P38 kinase-mediated transactivation of the epidermal growth factor receptor is required for dedifferentiation of renal epithelial cells following oxidant injury. *J Biol Chem*. 2005;280:21036–42
- Zhuang S, Schnellmann RG. A death-promoting role for extracellular signal-regulated kinase. *J Pharmacol Exp Ther*. 2006; 319:991–7
- Zhuang S, Yan Y, Daubert RA, Han J, Schellmann RG. ERK promotes hydrogen peroxide-induced apoptosis through caspase-3 activation and inhibition of Akt in renal epithelial cells. *Am J Physiol Renal Physiol*. 2007;292:F440–7

RESEARCH

		Direct	Indirect	Total
TOTAL BASIC RESEARCH	Academic Year 2005	\$2,058	\$448	\$2,506
EXPENSES FOR NEPHROLOGY	Academic Year 2006	\$71,868	\$34,847	\$106,715
TOTAL CLINICAL RESEARCH	Academic Year 2005	\$3,349,000	\$272,289	\$3,621,289
EXPENSES FOR NEPHROLOGY	Academic Year 2006	\$3,548,428	\$391,572	\$3,940,000

BASIC RESEARCH**Rujun Gong, M.D., Ph.D.**

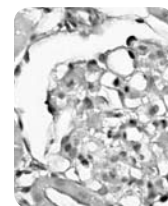
- Regulation of proinflammatory phenotype of renal tubular epithelial cells by HGF (Principal Investigator), Rhode Island Foundation for Health. A novel therapy for lupus nephritis (Principal Investigator), Lifespan Development Grant.

Shougang Zhuang, M.D., Ph.D.

- R01 DK071997-01A1 “Dedifferentiation Following Renal Cell Injury” National Institute of Health

CLINICAL RESEARCH**Andrew Bostom, M.D.**

- Folic Acid for Vascular Outcome Reduction in Transplantation (FAVORIT) Trial, NIH/National Institute of Diabetes and Digestive and Kidney Diseases



- Renal Transplantation, Homocysteine Lowering and Cognition, Tufts University/NIDDK
- Serum Total Homocysteine and C-Reactive Protein As Pred*, NIH/National Heart Lung & Blood Institute
- A Randomized Controlled Trial of Homocysteine, NIH/National Institute of Diabetes and Digestive and Kidney Diseases

Lance Dworkin, M.D.

- Cardiovascular Outcomes in Renal Atherosclerotic Lesions (CORAL), National Institute of Health
- A multi-center, open-label, randomized phase II study to assess safety, duration of treatment (up to 72 hours) and preliminary efficacy with the Renal Assist Device (RAD) in patients with Acute Renal Failure (ARF)., Nephros Therapeutics
- The effect of Sulodexide in overt type 2 diabetic nephropathy., Keryx, Inc.
- A twelve week double blind, randomized multicenter parallel group study to evaluate the efficacy and safety of orally administered valsartan/amlodipine (SPP 100/Diovan)., Novartis Pharmaceuticals
- Project Title: Fixed Doses of Darusentan as compared to placebo in resistant hypertension (DORADO). Gilead Colorado, Inc.
- Project Title: A dose blind long-term extension study to the phase 3 fixed doses of Darusentan as compared to placebo in resistant hypertension (DORADO)., Gilead Colorado, Inc.

Reginald Gohh, M.D.

- Rapamune Outcomes Assessment Registry, Syreon Corporation
- A Multicenter, Randomized, Open label Trial of Simulect with Rapid Steroid Withdrawal vs Simulect wi, Deaconess Hospital
- An Open Label Multicenter Study to Further Characterize the Clinical Utility and Safety of RapamuneR, Wyeth-Ayerst Research
- A Comparative Open Label Study to Evaluate Graft Function in De Novo Renal Allograft Recipients Treated with Either a “Reduced Dose” or a “Standard Dose” of Cyclosporine in Combination with Rapamune (Sirolims) + Corticosteroids, Pharmaceutical Product Development
- A Randomized Open-Label Preference Study of Gengraf Compared to Neoral in Stable Solid-Organ Transplant, Pharmaceutical Product Development

- Pilot Study to Induce Specific Unresponsiveness with Donor-Specific Peripheral Blood Mobilized Bone Marrow Stem Cells (PBSCs) in Recipients of Living Donor Mismatched Renal Allografts Treated with Thymoglobulin and Standard Cyclosporine Based Immunosuppression, Beth Israel Deaconess Medical
- Multicenter, Double-Blind, Randomized, Parallel Group Study on Tolerability and Safety of ERL080A, Novartis Pharmaceuticals Corporation

Douglas Shemin, M.D.

- Correction of Hemoglobin & Outcomes in Renal Insufficiency (CHOIR), Carestat
- Randomized Placebo Controlled Double Blinded Study to Evaluate Efficacy of a Bivalent Recombinant Staphylococcus Aureus Glycoconjugate Vaccine in Adults in Hemodialysis, NABI Pharmaceuticals
- A Randomized Open Label Study to Assess the Safety of Epoetin Alfa Manufactured by Deep Tank Technology and Epoetin Alfa Manufactured by Roller Bottle Technology in Subjects with Chronic Kidney Disease Not on Dialysis, Amgen

Angelito Yango, Jr., M.D.

- My GAIN Study: A 4 week, multicenter, double-blind, randomized, parallel group study to compare the gastrointestinal safety and tolerability of myfortic and MMF (Cellcept) when administered in combination with calcineurin inhibitors in renal transplant recipients experiencing gastrointestinal intolerance
- Monitoring Serum and Urine Hepatocyte Growth Factor (HGF) levels for six months after renal transplantation to determine its potential as a non-invasive indicator for allograft injury and rejection.
- Determining renal expression of Hepatocyte Growth Factor (HGF) in various forms of allograft injuries including acute rejection, chronic allograft nephropathy, and drug induced nephropathy

OBSTETRICS & CONSULTATIVE MEDICINE

MISSION

To provide expert care to women with medical problems in pregnancy from obstetric internists, gastroenterologists, and women's behavioral health specialists;

To provide internal medicine, primary care, and behavioral health services to the obstetric and gynecologic patients at Women & Infants Hospital and the community;

To facilitate the primary care function of Ob/Gyn's;

To improve access and quality of care provided to all women;

To educate medical students, internal medicine and OB/GYN residents, and Obstetric & Consultative Medicine and Gastroenterology fellows to treat medical problems in pregnancy and provide general medical and perioperative consultation;

To engage in research and curriculum development in the medical and psychiatric care of pregnant and postpartum women.

OVERVIEW

The unique expertise of the Women and Infants Hospital Division of Obstetric and Consultative Medicine has continued to build its national and international reputation as a leader in the care of medical problems in pregnancy. Karen Rosene-Montella was elected President of the International Society of Obstetric Medicine (ISOM) and the Division has developed a new web-based forum for improving the care of medical illness in pregnancy for the ISOM. Our faculty has been invited speakers at the national meetings of the Society of Maternal Fetal Medicine, Society of Obstetric Anesthesiology and Perinatology and the American College of Physicians, the International Society of Obstetric Medicine in Lisbon, Portugal, as well as New England Journal of Medicine sponsored courses in India and Turkey in the past year. Dr. Ghada Bourjeily received the Peter Garner Award for her research presentation entitled "Practice Habits of Obstetric Care Providers Regarding Sleep Habits" at the 27th Annual Meeting of the Society of Maternal Fetal Medicine in San Francisco, California in February 2007.



Karen Rosene-Montella, M.D., Professor of Medicine and OB/GYN, Brown Medical School; Chief of Medicine, Women & Infants Hospital

Silvia Degli Esposti, M.D., Director of Women's Digestive Disorders, is working with the Rhode Island Department of Health's Perinatal Hepatitis Prevention Program and Hasbro Children's Hospital's Pediatric Liver Clinic on a program for the prevention of perinatal hepatitis B&C virus and screening and referral guidelines for pregnant women and newborns.

Our Obstetric Medicine Fellow completed a quality improvement project examining issues related to the critical care of obstetric patients. Using a multidisciplinary Failure Models Effect Analysis (FMEA), he identified and evaluated potential sources in error in the care of these patients. His findings were presented as an oral presentation of the North American Society of Obstetric Medicine in April 2006 in Philadelphia.

Each year our fellowship graduates leave the program and go on to establish new programs in obstetric medicine at universities in North America and around the world. 2005–2006 was not any different. Elvis Pagan, M.D., our fifteenth fellow graduate, went on to St. Peter's University Hospital in New Brunswick, New Jersey, as an obstetric internist. Letitia Acquah, M.D., our sixteenth fellow, will graduate on June 30, 2007. She is currently interviewing for several positions out of state. Meghan Hayes, M.D., our seventeenth fellow, will graduate on June 30, 2008.

We are proud to announce that the Women's Digestive Disorder Track within the Brown University affiliated training program in Gastroenterology offers a three-year accredited Training Program in Gastroenterology the goal of which is to prepare Board-eligible internists for a career in clinical or academic Gastroenterology. The program fulfills all training standards as mandated by the A.C.G.M.E., A.B.I.M., A.S.G.E., A.G.A., and A.C.G. The atmosphere is scholarly, and provides wide exposure to clinical gastroenterology and hepatology and clinical, translational and basic scientific research.

Dr. Sumona Saha joined us in July of 2005 as the first GI fellow and will complete her three-year fellowship in June of 2008. Dr. Saha's research interests include inflammatory bowel disease in pregnancy and hereditary colon cancer syndromes. She completed an advanced Inflammatory Bowel Disease rotation at the University of Chicago Hospitals from December 2006–January 2007 with Sunanda Kane, MF, MSPH as her mentor.

Many of our faculty contributed chapters to the textbooks *Medical Care of the Pregnant Patient*, 2nd Edition, which is scheduled to be published in September 2007; the *Pulmonary Problems in Pregnancy: Clinical and Research Aspects*, which is scheduled for publication in March 2008; the *5-Minute Consult Clinical Companion to Women's Health*, which was published in March 2007; and *de Swiet's Medical Disorders in Obstetric Practice*, 5th Edition, which is scheduled for publication by the end of 2007.

Karen Rosene-Montella, M.D., Chief of Medicine, is pleased to announce the addition of Niharika Mehta, M.D. to the Division as our newest Obstetric Medicine faculty member. Dr. Mehta joined the Division in September, 2005 as an obstetric internist.

We are also pleased to announce that:

- The Center for Women's Health opened on July 1, 2006 and is located at 100 Dudley Street, 2nd Floor. Dr. Iris Tong is overseeing this Center and is happy to welcome two new colleagues to the Center for Women's Health; Mara Linscott, M.D. and Sheenagh Bodkin, M.D. who both joined the practice in July 2006.
- Colleen Kelly, M.D. joined Dr. Degli Esposti, Dr. Rossana Moura and Dr. Christy Dibble as the newest gastroenterologist in the Center for Women's Gastrointestinal Disorders on July 1, 2006.
- Karen Rosene-Montella, M.D. was elected President of the International Society of Obstetric Medicine in July 2006.
- Karen Rosene-Montella, M.D. received the CoE Outstanding Faculty Mentor Award, Brown University School of Medicine/Women & Infants Hospital, National Center of Excellence in Women's Health, July 2006.
- Karen Rosene-Montella, M.D. was named Editor of the textbook *Medical Care of the Pregnant Patient*, 2nd Edition, American College of Physicians, 2006.
- Karen Rosene-Montella, M.D. & Ghada Bourjeily were named Editors of Humana Press, Inc. for the textbook entitled *Pulmonary Problems in Pregnancy: Clinical and Research Aspects*, 2006.
- Raymond Powrie, M.D. was named Coordinating Editor of *de Swiet's Medical Disorders in Obstetric Practice*, 5th Edition, Blackwell Publishing, 2006.
- Iris Tong, M.D. was named Section Editor for the textbook, *Ferri's Clinical Advisor* and Editor of the *5-Minute Consult Clinical Companion to Women's Health*.
- Raymond Powrie, M.D. was named President, North American Society of Obstetric Medicine (NASOM), 2004–2007.
- Raymond Powrie, M.D. attended the International Society of Obstetric Medicine (ISOM) 3rd Annual Meeting, Lisbon, Portugal, July 2–5, 2006. This biannual meeting is the preeminent one in the field of obstetric medicine. Dr. Raymond Powrie serves on the executive committee for ISOM as member in charge of international training. He was elected to a four year term as ISOM executive member in charge of training.
- Lucia Larson, M.D. was appointed Fellowship Director, Fellowship in Obstetric and Consultative Medicine, Warren Alpert Medical School of Brown University, Women & Infants Hospital of RI, 2005.
- Lucia Larson, M.D. was elected Vice President of the North American Society of Obstetric Medicine, 2007.
- Iris Tong, M.D. was featured on Channel 10 on a Doctor on Call segment, answering questions about women's health screenings, May 18, 2006.
- Silvia Degli Esposti, M.D. was interviewed by Barbara Morse of Channel 10 regarding Perinatal Hepatitis B&C Virus and Prevention, January 17, 2006.
- Silvia Degli Esposti, M.D. was interviewed via telephone by *Conceive Magazine* about the ways that digestive disorders may impact a woman's fertility, January 29, 2006.
- Margaret Howard, PhD was interviewed by *Parents Magazine* on "Depression during Pregnancy", January 20, 2006.

- ▶ Margaret Howard, PhD was interviewed by ePregnancy Magazine, “Postpartum Psychosis” January 24, 2006.
- ▶ Margaret Howard, PhD was interviewed by Boston Parents Paper on “Postpartum Depression”, February 2, 2006.
- ▶ Margaret Howard, PhD was interviewed by USA Today on “Can pregnant women shake off depression”, March 12, 2006.
- ▶ Margaret Howard, PhD: “Depression in Dads in the Postpartum Period”, Interview with Amy Leman for ePregnancy Magazine, March 9, 2006.
- ▶ Margaret Howard, PhD: “Postpartum Depression”, Interview with WPRO Radio, May 16, 2006.
- ▶ Margaret Howard, PhD: “Postpartum Depression: Who is at Risk?”, Interview with Nicole Palacios, August 4, 2006.
- ▶ Margaret Howard, PhD: “Postpartum Obsessive compulsive Disorder”, Interview with Lindsey Hadwin for ProfNet, August 8, 2006.
- ▶ Margaret Howard, M.D.: “Depression during Pregnancy”, Interview with Jamie Lawson for Pregnancy and Newborn Magazine, October 18, 2006.
- ▶ Margaret Howard, PhD: “Treatment & Models of Care for Perinatal Depression”, Interview with Jennifer Chase Esposito for New England Psychologist Magazine, November 6, 2006.
- ▶ Margaret Howard, PhD: “Postpartum Psychiatric Illness”, Interview with Pam Berard for New England Psychologist Magazine, January 3, 2007.
- ▶ Margaret Howard, PhD: “Mood changes during Pregnancy”, Interview with Liz Rusch for Fit Pregnancy Magazine, April 16, 2007.
- ▶ Teri Pearlstein, M.D. appeared as a faculty panelist on “The Premenstrual Continuum: Improving Diagnosis and Treatment”, a continuing medical education program which will premier on the Discovery Health Channel on Sunday, April 29, 2007. The show will air on Sunday’s throughout the two-year accreditation period and can also be accessed in a variety of ways at www.DiscoveryHealthCME.com.
- ▶ Silvia Degli Esposti, M.D. & Sumona Saha, M.D. submitted a Clinical Research Alliance Affiliate Membership Application to the Crohn’s Colitis Foundation of American, Inc. on April 6, 2007 and were accepted as one of their affiliate sites.
- ▶ Sandra Tavares, RN, BSN took first place for her poster presentation entitled “Nursing Intuition: Hocus Pocus or Personal Practice” at UMass Dartmouth, at the Sister Madeleine Clemence Vaillot Scholarship Day; “A Celebration of Student Scholarship”, May 1, 2007.
- ▶ Christy Dibble, DO participated in the Colorectal Cancer Education and Awareness Program in conjunction with the American Cancer Society as an educator, March 2007.
- ▶ Silvia Degli Esposti, M.D. became a member of the American College of Gastroenterology, June 2007.
- ▶ G. Thamara Davis, M.D. was a participant of the Early Childhood and Adolescent Psychiatry Fellowship Lecture Series, Warren Alpert Medical School of Brown University, 2006–present., Ob/Gyn Residents Core Lecture Series, Women & Infants Hospital, 2002–2007, Psychiatry Residency Core Curriculum, Women & Infants Hospital, 2005–present and the Child and Adolescent Psychiatry Fellowship Psychotherapy Supervisor, Warren Alpert Medical School of Brown University, 2002–present.
- ▶ Silvia Degli Esposti, M.D. taught Bio 351: Integrated Pathophysiology/Pharmacology – GI Section Course, Small Group Session, Brown University, February 1–16, 2006 and January 31–February 16, 2007.
- ▶ Margaret Howard, PhD participates in the Monthly Brown Medical School Pediatric Resident Seminar on Postpartum Depression, Providence, RI, 2002–Present.
- ▶ Margaret Howard, PhD conducted a seminar on “Postpartum Depression” to the Brown University Pediatric Residents, September 26, 2006.
- ▶ Margaret Howard, PhD conducted a Primary Care Curriculum Seminar on “Depression in the non-pregnant patient” for Brown OB-Gyn residents Auditorium D, WIH, February 9, 2007.
- ▶ Margaret Howard, PhD conducted a “Master Class” to members of the Maternal Infant Training Institute, Waltham, MA, March 2, 2007.
- ▶ Neeta Jain, M.D. was invited by the Psychiatry Residency Department to be a mock board examiner for 5 PGY-3s. One examination held on February 16, 2007.
- ▶ Lucia Larson, M.D. conducted a Rhode Island Hospital Nurse Midwifery Course: teaching topics included: Cardiac Disease in Pregnancy, Thyroid Disease in Pregnancy on October 17, 2006 and Thromboembolic Disease in Pregnancy and Renal Disease in Pregnancy on October 24, 2006 at University of Rhode Island.

- ▶ Margaret Miller, M.D. was invited as a regular Instructor for Board review course for OB/Gyns in Baltimore: “Masters Board Review”, 2005–2007.
- ▶ Margaret Miller, M.D. was a teaching for: Bio Med 351 Course at Brown University April 10, 14 & 17, 2006.
- ▶ Margaret Miller, M.D. was invited as a Faculty Presenter: Primary Care Curriculum, Women’s Primary Care Center, Women & Infants Hospital, 2005–2007.
- ▶ Rossana Moura, M.D.: Teaching: Bio 351: Integrated Pathophysiology/Pharmacology – GI Section Course, Small Group Session, Brown University, 2006–2007.
- ▶ Teri Pearlstein, M.D. - Psychiatry Residency Seminars Lecturer on “PM.D.D, Menopause, Eating Disorders”, Fall 2005 and 2006.
- ▶ Teri Pearlstein, M.D. - Psychiatry Residency PG-4 Course “Green Journal Club”, Fall 2006.
- ▶ Teri Pearlstein, M.D. - “Perinatal Psychiatry”, lecture to Obstetric Medicine fellows, Women & Infants, June 23, 2006.
- ▶ Teri Pearlstein, M.D. - “Eating Disorders”, 1st year medical student lecture, BioMed 365, Brain Sciences, March 7, 2007.
- ▶ Teri Pearlstein, M.D. - Ob/Gyn Residents Core Curriculum lecturer on “Eating Disorders”, May 18, 2007.
- ▶ Raymond Powrie, M.D. - Teaching: Bio-Med 351 Course at Brown University as follows:
 - ▶ April 5 -Ammenorrhea
 - ▶ April 7 - Puberty
 - ▶ April 12 - Seizures
 - ▶ April 19 – Case “Wrap up”
- ▶ Sumona Saha, M.D. (GI Fellow) - Women in Medicine Mentor, Brown Medical School, 2005–2007.
- ▶ Iris Tong, M.D. was invited as faculty, Master’s Board Review Course in Baltimore, M.D., September 29–30, 2005 & May 12–13, 2006. (This is a Board Review Course for Ob/Gyn’s).
- ▶ Iris Tong, M.D. - attending Physician, Internal Medicine Ward Service, Rhode Island Hospital, Brown University Internal Medicine Residency, 2005–6.
- ▶ Iris Tong, M.D. - attending Preceptor, Brown University Internal Medicine Residency Medical Clinic, Rhode Island Hospital, 2005–6.
- ▶ Iris Tong, M.D. - Second-site Preceptor, Brown University Internal Medicine Residency, 2005–present.
- ▶ Iris Tong, M.D. is a participant of the Ambulatory Didactic Conference/Lecture Series, Brown University General Internal Medicine Residency, 2005–present.

- ▶ Iris Tong, M.D. is a participant of the Primary Care Journal Club, Brown University General Internal Medicine Residency, 2005–present.
- ▶ Iris Tong, M.D. is an attending Physician, Internal Medicine Ward Service, Pawtucket Memorial Hospital, Brown University Internal Medicine Residency, 2007.
- ▶ Iris Tong, M.D. is a participant of the Core Curriculum, Brown University Obstetrics/Gynecology Residency Program, “Osteoporosis”, March 2007.

FULL-TIME FACULTY

- Ghada Bourjeily, M.D.**, Assistant Professor of Medicine
- Lucia Larson, M.D.**, Associate Professor of Medicine and Obstetrics & Gynecology
- Margaret Miller, M.D.**, Assistant Professor of Medicine and Obstetrics & Gynecology
- Teri Pearlstein, M.D.**, Associate Professor of Psychiatry and Human Behavior
- Raymond Powrie, M.D.**, Associate Professor of Medicine and Obstetrics & Gynecology
- Karen Rosene-Montella, M.D.**, Professor of Medicine and Obstetrics & Gynecology
- Caron Zlotnick, PhD**, Associate Professor of Psychiatry & Human Behavior

CLINICAL FACULTY

- Sheenagh Bodkin, M.D.**, General Internal Medicine
- G. Thamara Davis, M.D.**, Clinical Assistant Professor of Psychiatry & Human Behavior
- Silvia Degli Esposti, M.D.**, Associate Professor of Medicine (Clinical)
- Christy Dibble, DO**, Clinical Assistant Professor of Medicine
- Ellen Flynn, M.D.**, Psychiatry & Human Behavior
- Margaret Howard, PhD**, Clinical Associate Professor of Psychiatry & Human Behavior
- Neeta Jain, M.D.**, Clinical Assistant Professor of Psychiatry & Human Behavior
- Colleen Kelly, M.D.**, Gastroenterology
- Mara Linscott, M.D.**, General Internal Medicine
- Niharika Mehta, M.D.**, Assistant Professor of Medicine (Clinical)
- Carmen Monzon, M.D.**, Clinical Assistant Professor of Psychiatry & Human Behavior

Rossana Moura, M.D., Clinical Assistant Professor of Medicine

Iris Tong, M.D., Assistant Professor of Medicine (Clinical)

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION OF FACULTY

From July 2005 to June 2007, the attending physicians in the Division of Obstetric & Consultative Medicine presented numerous abstracts nationally and internationally.

Societies include: The American College of Chest Physician, the International Society of Obstetric Medicine (Lisbon, Portugal), The Association for the Behavioral Sciences and Medical Education, The Society of General Internal Medicine, The North American Society for the Study of Hypertension in Pregnancy, Society of Maternal-Fetal Medicine and the Society of Obstetric Anesthesiologists and Perinatologists (SOAP).

Abstract topics included: “Recurrence of Supraventricular Tachycardia During Labor and Delivery”, “Myotonic Dystrophy in Pregnancy” and “Practice Habits of Obstetric Care Providers Regarding Sleep Disordered Breathing”.

The attending physicians were also invited to give presentations at national and international conferences.

Silvia Degli-Esposti, M.D.

NATIONAL PRESENTATIONS:

- Invited presenter, “Integrating Perinatal Hepatitis C Prevention Activities into Perinatal Hepatitis B Prevention, the National Viral Hepatitis Prevention Conference, Washington, DC, December 8, 2005.

Margaret Howard, PhD

NATIONAL PRESENTATIONS:

- Invited Keynote Address, the Annual Conference of the Suffolk Perinatal Coalition, “Research Based Model of Primary Intervention”, Smithtown, New York, May 18, 2007.

Lucia Larson, M.D.

NATIONAL PRESENTATIONS:

- Invited presentation: “Thrombolytics in Pregnancy”. The Annual National Meeting Society of Maternal Fetal Medicine., Reno, Nevada, February 2005.
- Attended the American College of Physicians (ACP) Conference on April 4th and April 5th, 2006, “Pre-course Critical Care Medicine”.
- Attended the North American Society of Obstetric Medicine (NASOM) Annual Meeting on April 8, 2006 of which she is the Treasurer/Secretary.

- Invited presenter, “Optimizing Obstetrical Critical Care”, presented at the North American Society of Obstetric Medicine (NASOM) Annual Meeting, Philadelphia, PA, April 8, 2006.
- Invited presenter, “Diabetes in Pregnancy” during the panel “Pregnant and Nursing Patients: What the Internist Needs to Know” at the American College of Physicians, Internal Medicine 2007 Annual Session 2007, April 20, 2007.

Margaret Miller, M.D.

NATIONAL PRESENTATIONS:

- Invited presenter, Master’s Board Review Course, Baltimore, M.D., September 27, 2006.
- Invited presenter, “Common, Non-Urgent Medical Complications During Pregnancy” at the 27th Annual Meeting of the Society of Maternal Fetal Medicine in San Francisco – February 5–8, 2007.
- Invited presenter, “Staph Aureus Infective Endocarditis associated with a Peripherally Inserted Central Catheter (PICC) in the treatment of Hyperemesis Gravidarum” at the Annual Meeting of the North American Society of OB Medicine in San Francisco – February 7, 2007.
- Invited presenter, “Hypertension in Pregnancy” during the panel “Pregnant and Nursing Patients: What the Internist Needs to Know” at the American College of Physicians, Internal Medicine 2007 Annual Session 2007, April 20, 2007.

Teri Pearlstein, M.D.

NATIONAL PRESENTATIONS:

- “Psychopharmacology in Women: Changes Throughout the Lifecycle” and “How to Differentiate the Hormonal from the Psychiatric”, 18th Annual U.S. Psychiatric & Mental Health Congress, Las Vegas, NV, November 7, 2005.

INTERNATIONAL PRESENTATIONS:

- Invited presenter, “Treatment and Long Term Follow-Up of Female-Specific Mood Disorders: What are the Clinical and Research Challenges?”, Advances in Neurobiology, Assessment and Treatment of Female-Specific Mood Disorders symposium, 25th Biennial Congress of the Collegium Internationale Neuropsychopharmacologicum, Chicago, IL, July 11, 2006.
- Invited presenter, “Treatment Trials for Perinatal Depression: Which Studies Still Need to be Conducted?”, Symposium member, Marcé Society International Biennial Scientific Meeting, Keele, Staffordshire, United Kingdom, September 14, 2006.

Raymond Powrie, M.D.

NATIONAL PRESENTATIONS:

- ▶ “Pulmonary Edema in Pregnancy”, Obstetrics and Gynecology Grand Rounds, Massachusetts General Hospital, Boston, MA, September 15, 2005.
- ▶ “Medical Care of the Pregnant Woman”, Internal Medicine Residency Conference, Brigham and Women’s Hospital, Boston, MA, September 15, 2005.
- ▶ “Medical Care of the Pregnant Woman”, General Internal Medicine Faculty Enrichment Conference, Beth Israel Deaconess Medical Center, Boston, MA, September 16, 2005.
- ▶ “Medical care of the Pregnant Women for the Primary Care Provider”, Primary Care Internal Medicine sponsored by Harvard Medical School and the Department of Continuing Education, Massachusetts General Hospital, Cambridge Center Marriott Hotel, Cambridge, MA, September 27, 2005.
- ▶ “Acute Respiratory Failure in Pregnancy”, Clinical Advances in Obstetrics and Gynecology Course sponsored by Harvard Medical School and Brigham and Women’s Hospital, Fairmont Copley Plaza Hotel, Boston, MA, September 28, 2005.
- ▶ Co-director, Scientific Forum on Obstetric Medicine at Society for Maternal-Fetal Medicine, at the national meeting of the Society for Maternal-Fetal Medicine in Miami Beach, Florida, February 1, 2006.
- ▶ Visiting Guest Professor, University of British Columbia, Department of OB/Anesthesiology, Pharmacology & Therapeutics. Presented Grand rounds at BC Women’s Hospital, Royal Columbian Hospital and Vancouver General Hospital on “ Medical Causes of Maternal Death and what to do about them” and “Thirteen Lessons About Critical Care in Pregnancy”, February 15–16, 2006.
- ▶ Invited presenter, “Cardiac Disease in Pregnancy: What’s New”, Obstetrical Anesthesia 2006: The Sol Shnider, M.D. Obstetrical Anesthesia Meeting in San Francisco, California, March 17, 2006.
- ▶ Invited presenter, “Thrombosis in Pregnancy: What’s New”, Obstetrical Anesthesia 2006: The Sol Shnider, M.D. Obstetrical Anesthesia Meeting in San Francisco, California, March 18, 2006.
- ▶ Invited presenter, “Improving the Quality of Care for Hypertension in Pregnancy: Hospital Safety Project”, Obstetrical Anesthesia 2006: The Sol Shnider, M.D. Obstetrical Anesthesia Meeting in San Francisco, California, March 19, 2006.
- ▶ Visiting Guest Professor, Stanford University, Department of Anesthesiology. Presented Grand Rounds at Stanford University, Stanford, California on “Medical Causes of Maternal Death and What to do About Them” and “Update on Thrombosis in Pregnancy”, March 20, 2006.
- ▶ Presented Grand Rounds at UMass Memorial Medical Center – Worcester, MA. “Medical causes of Maternal Mortality and What to Do About Them”, March 29, 2006.
- ▶ Presented Grand Rounds at Saint Peter’s University Hospital – New Brunswick, New Jersey, entitled “Hypertension in Pregnancy”, April 11, 2006.
- ▶ Invited presenter: “Medical Problems in Pregnancy: What a Hospitalist Needs to Know” at the Society of Hospital Medicine Annual Meeting. Pre-Course on Perioperative and Consultative Medicine for the Hospitalist, May 3, 2006 - Washington, D.C.
- ▶ “A Woman with Hypertension Desiring a Pregnancy”. Clinical Crossroads, a case based discussion series for the Journal of the American Medical Association (JAMA) -
- ▶ OB/Gyn Grand Rounds, Beth Israel Deaconess Medical Center, Boston, MA, May 10, 2006.
- ▶ Visiting Professor - Presented: “Medical Causes of Maternal Mortality and How to Prevent Them”. St. Luke’s – Roosevelt Hospital Center Columbia University College of Physicians and Surgeons, Department of Anesthesiology, May 23–24, 2006 – New York, NY.
- ▶ “Festschrift – Celebrate the Career of Michael de Swiet” Symposium at the University College London. Ad-hoc ISOM Obstetric Medicine Training Committee Meeting. Review & Comment upon a draft proposal for a curriculum in obstetric medicine. London – June 30, 2006
- ▶ Presented: “Hypertension in Pregnancy” at the Family Medicine Conference; Memorial Hospital, August 3, 2006.
- ▶ Invited lecture “Pulmonary Edema in Pregnancy” and a workshop “Respiratory Emergencies in Pregnancy” at the Annual Brigham and Women’s and Harvard University Obstetrics Course at the Fairmont Copley Plaza Hotel, Boston, Massachusetts, September 24, 2006.
- ▶ Gave Obstetric Grand Rounds at St. Luke’s Roosevelt Hospital in NYC, October 10, 2006.
- ▶ Conducted a workshop on “Medical Problems in Pregnancy in Primary Care” at Harvard Medical School’s Annual course on the Principles and Practice of Internal Medicine, Cambridge, MA , October 17, 2006.

- ▶ 2006 Francis M. James III, Honorary lecturer in Obstetric Anesthesia at Wake Forest University School of Medicine, Winston-Salem, North Carolina, October 23, 2006.
- ▶ Invited lecture on “Ten Things Every Clinician Should Know About Medical Problems in Pregnancy” at the Connors Center for Women’s Health and Gender Biology, Brigham and Women’s Hospital, Massachusetts, December 19, 2006.
- ▶ Invited presenter: Intrapartum Protocols for Challenging Medical Problems: Anticoagulation, Acute Respiratory Insufficiency, and Cardiac Disease. 27th Annual Meeting of the Society of Maternal-Fetal Medicine, San Francisco, California, February 6, 2007.
- ▶ Obstetric Medicine Scientific Forum. Leaders: Raymond Powrie T. Murphy Goodwin. 27th Annual Meeting of the Society of Maternal-Fetal Medicine, San Francisco, California, February 7, 2007.
- ▶ Invited presenter: “Contraception for Women with Medical Problems” and Meet the Professor session “Contraception for the Medical Patient”, 2007 Annual Meeting of the American College of Physician, San Diego, CA, April 21, 2007.
- ▶ Grand Rounds, “Medical Care of the Pregnant Woman for the Primary Care Provider”, Mount Auburn Hospital, Cambridge, MA, March 22, 2007.
- ▶ Invited presenter, the national meeting of the Society of Hospital Medicine in Dallas Texas on “Ten Things Every Hospitalist Should Know About Pregnancy”, May 24, 2007.

INTERNATIONAL:

- ▶ Invited speaker, “Advances in HIV Prevention and Treatment” and “Preventing Mother to Child Transmission of HIV”, the WHARF HIV Program, Mumbai, India, November 11–12, 2006.
- ▶ Workshops, “Prescribing in Pregnancy”, “Asthma, Pneumonia and other Respiratory Problems and Heart” and “Respiratory Diseases”, the Medical Complications in Pregnancy Conference at the Royal College of Physicians, London, November 15–17, 2006.

Karen Rosene-Montella, M.D.

NATIONAL PRESENTATIONS:

- ▶ Invited presenter: “Managing Therapeutic Anticoagulation in Pregnancy and Peri-partum honing specific strategies”, Society for Maternal-Fetal Medicine 26th Annual Meeting, Miami Beach, FL, February 1, 2006.
- ▶ Invited presenter: “Medical Complications of Pregnancy”

at the American College of Physicians Annual Session, Philadelphia, PA, April 6, 2006.

- ▶ Course Director, “Medical Complications of Pregnancy”. American College of Physicians Annual Session, Philadelphia, PA, April 6, 2006.
- ▶ Maternal Fetal Medicine Fellow Conference lecture entitled “Venous Thromboembolism and Thrombophilias in Pregnancy”, Women & Infants Hospital, November 17, 2006.
- ▶ Invited presenter: “Medical Problems of Pregnancy” during the panel “Pregnant and Nursing Patients: What the Internist Needs to Know” at the American College of Physicians, Internal Medicine 2007 Annual Session 2007, April 20, 2007.

INTERNATIONAL:

- ▶ Presented at the “Festschrift - Celebrate the Career of Michael de Swiet”, the Symposium at University College London, June 30, 2006.
- ▶ “Festschrift – Celebrate the Career of Michael de Swiet”, Symposium at the University College London. Ad-hoc ISOM Obstetric Medicine Training Committee Meeting. Review & Comment upon a draft proposal for a curriculum in obstetric medicine, London – June 30, 2006.
- ▶ Keynote Speaker: The Peter Garner Memorial Lecture, “Obstetric Medicine: Where we are and where we need to go to reduce maternal mortality”, International Society of Obstetric Medicine (ISOM), Lisbon, Portugal, July 2, 2006.
- ▶ Keynote Lecture: “The Management of Postpartum Depression”, The MacDonald UK Obstetric Medicine Society 31st Meeting, The King’s Manor, Exhibition Square, University of York, York, London, May 18, 2007.

Sumona Saha, M.D. (GI Fellow)

NATIONAL PRESENTATIONS:

- ▶ “Colonic Ischemia Following Oral Sodium Polystyrene Sulfonate (Kayexalate) Administration”. Chu G, Saha S, Lazarus ME., Poster presentation at 2006 American College of Physicians Conference, California Chapter, Monterey, CA. November 2006.
- ▶ “Safety and Efficacy of Feeding Jejunostomy in Hyperemesis Gravidarum”. Saha, S, DeCiccio D, Degli-Esposti S, Pricolo V., Poster presentation at 2007 Digestive Diseases Week, Washington, D.C., Poster of distinction (Top 10%)

Iris Tong, M.D.

NATIONAL PRESENTATIONS:

- ▶ Presenter, the Master's Board Review Course, Baltimore, M.D., September 2005 and May 2006.
- ▶ "Women's Health Concerns", the American College of Physicians, Internal Medicine 2007 Annual Meeting, San Diego, CA, April 19, 2007.

Caron Zlotnick, PhD

NATIONAL PRESENTATIONS:

- ▶ Invited presenter, "An Intervention for pregnant Women with Partner Abuse", American Psychology Association North Eastern Conference, October 21, 2006.

RESEARCH AND OTHER SCHOLARLY ACTIVITIES

The Division's interest in research is related to pregnancy women and medical complications of pregnancy.

Dr. Rosene's interests lie in thrombosis in pregnancy, specifically the prevention of pulmonary embolism and deep venous thrombosis in pregnancy, A-gradient in pulmonary embolism in the pregnant patient, the effect of heparin on bone density in pregnancy, platelet activation in normal and hypertensive pregnancy, and curriculum development in medical consultation in pregnancy.

Dr. Powrie's research interests include pulmonary embolism, medical consultation in pregnancy, and curriculum development in medical consultation and obstetric medicine.

Dr. Larson's research interests include thrombophilias and recurrent spontaneous abortions, education on medical problems in pregnancy, palpitations in pregnancy, and preeclampsia and tolerance to paternal antigens.

Dr. Bourjeily's research interests include sleep disordered breathing in pregnancy and diagnosis of pulmonary embolism in pregnancy.

Dr. Degli Esposti's research interests include liver disease in pregnancy, viral hepatitis and nutritional status in pregnancy.

Dr. Dibble's research interests include colorectal cancer prevention and screening, and the development and implementation of colorectal cancer screening prevention and treatment guidelines statewide.

Dr. Kelly's research interests include irritable bowel and pelvic floor disorders.

Dr. Moura's research interests include motility disorder and advanced endoscopic procedure.

- ▶ Pagan E, Larson L, Miller M, Bourjeily G, Rudnicki A, Cooper A, Powrie R: Improving Management of Critically Ill Pregnant Women. Abstract presented at the North American Society of Obstetric Medicine (NASOM) Annual Meeting on April 8, 2006.
- ▶ Mehta N: "Not in my type!": Type2B von Willebrand Disease and Pregnancy. Abstract presented at the North American Society of Obstetric Medicine (NASOM) Annual Meeting on April 8, 2006.
- ▶ W&I IRB Approved: Nocturnal oxygen saturation in a normal pregnancy: Principal Investigator: Ghada Bourjeily, M.D. and Margaret Miller, M.D., August 2006.
- ▶ W&I IRB Approved: Obstetricians' practice habits in screening for sleep-disordered breathing: Principal Investigator: Ghada Bourjeily, M.D., August 2006.
- ▶ Long Term Implications to the Mother of Thyroid Deficiency in Pregnancy, National Institutes of Health, June 2005 – Present, PI James Haddow, Co-PI Karen Rosene-Montella. (Submitted, May 2006).
- ▶ Sumona Saha, M.D.: IRB approval: J-tubes for severe hyperemesis gravidarum.
- ▶ Sumona Saha, M.D.: IRB approval: MLH1/MSH2/MSH6 testing in patients with endometrial cancer.
- ▶ Ghada Bourjeily, M.D. received \$43,000 in SEED grant money from Perkins Charitable Foundation, December 2006.
- ▶ Presented by Letitia Acquah, M.D.: "Recurrence of Supraventricular Tachycardia During Labor and Delivery" – Letitia Acquah, M.D. (Acknowledgements: Karen Rosene-Montella, M.D.; Raymond Powrie, M.D.; Lucia Larson, M.D.; Margaret Miller, M.D.; Ghada Bourjeily, M.D.; Niharika Mehta, M.D.) at the 27th Annual Meeting of the Society of Maternal Fetal Medicine in San Francisco, CA, February 5-8, 2007.
- ▶ Presented by Ghada Bourjeily, M.D.: "Practice Habits of Obstetric Care Providers Regarding Sleep Disordered Breathing" - Ghada Bourjeily, M.D.; Margaret Miller, M.D.; Lucia Larson, M.D.; Kevin Connors, RRT; Gabriel Habr, BBA; Charles McPhee, RPSGT; Niharika Mehta, M.D.; Karen Rosene-Montella, M.D. at the 27th Annual Meeting of the Society of Maternal Fetal Medicine in San Francisco, CA, February 5-8, 2007. Dr. Bourjeily received the Peter Garner Award for this presentation.

- ▶ Presented by Ghada Bourjeily, M.D.: “Myotonic Dystrophy in Pregnancy” - Ghada Bourjeily, M.D.; Niharika Mehta, M.D.; Margaret Miller, M.D. at the 27th Annual Meeting of the Society of Maternal Fetal Medicine in San Francisco, CA, February 5–8, 2007.
- ▶ Ghada Bourjeily, M.D.: IRB approval for a new protocol: Retrospective evaluation of multidetector CT angiography in the diagnosis of pulmonary embolism in pregnancy, Women & Infants Hospital, March 2007.
- ▶ Battle CL, Zlotnick C, Pearlstein T, Miller IW, Howard M, Salisbury AL, Stroud L: Depression and breastfeeding: Which postpartum patients take antidepressant medications? Poster presentation presented at the 11th Annual Research Symposium on Mental Health Sciences at Butler Hospital on April 12, 2007.
- ▶ Mehta N, Powrie RO, Larson L. Assessment of significant proteinuria in pregnancy: Measurement of protein: Creatinine ratio using automated dipstick analysis Presentation at: Annual Meeting of the North American Society of Obstetric Medicine. February 7-11, 2005; Reno, Nevada (This abstract presentation was recognized by NASOM for its quality and contribution, being awarded the 2005 Peter Garner Prize for best young investigator project and presentation).
- ▶ Pagan E, Larson L, Miller M, Bourjeily G, Rudnicki A, Cooper A, Powrie RO. Optimizing Obstetrical Critical Care. Presentation at the North American Society of Obstetric Medicine (NASOM) Annual Meeting. April 8, 2006; Philadelphia, PA.
- ▶ Suave N, Powrie R, Larson L, Phipps M, Weitzer S, Fitzpatrick D, Rosene-Montella K. The Impact of an Educational Pamphlet on Knowledge and Anxiety in Women with Preeclampsia. International Society for Study of Hypertension in Pregnancy. Poster presentation, July 2006; Lisbon, Portugal.
- ▶ Acquah, L, Rosene-Montella K, Powrie R, Larson L, Miller, M, Bourjeily G, Mehta N. Recurrence of Supraventricular Tachycardia During Labor and Delivery. Oral presentation at the North American Society of Obstetric Medicine Annual Meeting. San Francisco, CA; February 7, 2007.
- ▶ Saha S, DeCiccio D, Degli Esposti S, Pricolo V: Safety and Efficacy of Feeding Jejunostomy in Hyperemesis Gravidarum. Accepted for poster presentation at the 2007 Digestive Diseases Week Conference, Washington, DC, May 22, 2007. Awarded “AGA Poster of Distinction” (Top 10%).
- ▶ Ellen Flynn, M.D.: “Mindfulness Program for Women with Chronic Pelvic Pain”, Protocol #9634, Women and Infants Auxiliary Committee, (\$5,000), 2006–2007, Role: Co-Investigator (PI: Sarah Fox).
- ▶ Battle CL, Zlotnick C, Pearlstein T, Howard M, Miller IW. “Depression and breastfeeding: Which postpartum patients take antidepressant medications?” Abstract and poster presentation at the 2005 Convention of the American Psychological Association, Washington, D.C., August 18, 2005.
- ▶ Davidson JRT, Pearlstein T, Yan B, Pedersen R, Ahmed S, Musgnung J. “Pooled analysis of gender effects: Assessing short-term treatment of PTSD with venlafaxine XR vs. placebo”. Abstract and poster presentation, 18th Annual U.S. Psychiatric and Mental Health Congress, Las Vegas, NV, November 7–10, 2005.
- ▶ Howard M, Battle CL, Pearlstein T. “A US-based mother-baby unit: Development and current status following 6 years of patient services”. Abstract, poster, and roundtable workshop discussion at the 33rd Annual Meeting of the North American Society for Psychosocial Obstetrics and Gynecology, Kohala Coast, Hawaii, February 10, 2006.
- ▶ Salisbury A, DiPietro J, Pearlstein T, Wisner K, Carr S, Lester B. “Prenatal serotonin reuptake inhibitor exposure: fetal and infant outcomes”. Abstract and oral presentation at the 39th Annual Meeting of the International Society for Developmental Psychobiology, Atlanta, GA, October 12, 2006.
- ▶ NIMH R01 MH071766-01A2, Co-Investigator: Teri Pearlstein, M.D.. Date of project: 6/01/06–4/30/11. “Depression Prevention for Poor Pregnant Women”. The aim of this project is to compare the efficacy of an intervention based primarily on interpersonal therapy to an enhanced care-as-usual condition in reducing postpartum depression in a sample of pregnant women on public assistance at risk for postpartum depression. Principal Investigator: Caron Zlotnick, Ph.D.
- ▶ Johnson, J. E., Zlotnick, C. “Interpersonal Psychotherapy (IPT) for Women Prisoners with Comorbid Depression and Substance Use”. Annual conference of the GAINS Center for Justice-Involved People with Mental Illness, Boston, Massachusetts, April, 2006.
- ▶ Ramsey, S (Principal Investigator). Zlotnick, C (Co-Investigator). “Reducing HIV Risk Among Pregnant Women in Drug Treatment”. NIDA. 01/01/2006–08/31/2006. Direct Costs \$750,000

- ▶ Zlotnick, C (Principal Investigator). “A Depression Prevention Program for Rural Pregnant African-American Women”. Klingenstein Third Generation Foundation. 11/01/2005–10/30/2006 Total Costs \$15,000
- ▶ Friedmann, P. (Principal Investigator). Zlotnick, C (Co-Investigator) “Continuity of Care for Drug-Addicted Offenders in RI”. NIDA 9/25/2002–8/31/2007 Total Costs \$3,193,418
- ▶ Zlotnick, C (Principal Investigator). “Intervention for Poor Pregnant Women with Partner Abuse”. NIMH. 11/01/2005–10/30/2008 Total Costs \$526,000 Direct Costs \$405,000
- ▶ Zlotnick, C (Principal Investigator). “Interventions for Financially Disadvantaged Mothers”. K24 NIMH. 2/01/2005–1/31/2010. Direct Costs \$533,681
- ▶ Zlotnick C (Principal Investigator), “Depression Intervention for Poor Pregnant Women” NIMH05/2006–04/2011 Direct Costs \$1,470, 863.
- ▶ Margaret Miller, M.D. received IRB approval at Women & Infants Hospital for “Awareness of Cardiovascular Disease Among Women”. PI: Margaret Miller, M.D..
- ▶ Bourjeily G, Khalil H. Principal Investigator. M.D.CT in the detection of pulmonary embolism in pregnancy.
- ▶ Bourjeily G, Khalil H. Principal Investigator. Retrospective analysis of multidetector CT in pregnancy.

FACULTY MEMBERS OF STUDY SECTIONS AND ADVISORY COMMITTEES

Silvia Degli Esposti, M.D.

- ▶ Chair, Nutrition Support Committee, Women & Infants Hospital since 1997.
- ▶ Task Force Committee, Women & Infants Hospital since 2000.
- ▶ Director, Elective and Fellowship track in “Women’s Gastrointestinal Disorders”, Brown Medical School since 2003.
- ▶ Medical Advisor, Coram Healthcare, 2006.
- ▶ Chair, Perinatal Hepatitis Prevention Committee, sub-committee of the Viral Hepatitis Advisory Group (VHAG), Rhode Island Department of Health, 2005–2007.
- ▶ Admission Advisory Board Member and Regular Action Admission Reviewer for Program Liberal Medical Education (PLME), Brown University, 2005–2007.

Christy Dibble, DO

- ▶ Rhode Island Cancer Council – Colorectal Cancer Task force Member. Drafted Formal Colorectal Cancer Screening/Diagnosis/Treatment Algorithms Objective: Improving colorectal cancer screening rates in Rhode Island and to improve uniform approach across state by developing guidelines for colorectal cancer screening/diagnosis and management.
- ▶ Chairperson, Multidisciplinary Gastrointestinal Tumor Board, 1999–present.

Lucia Larson, M.D.

- ▶ Member, Ambulatory Care Committee, Women & Infants Hospital, 1997–2006.
- ▶ Member, Gyn/General Surgery/Oncology/Medicine Physicians Review Group Committee, Women & Infants Hospital, 1998–present.
- ▶ Member, Parenting Physician Group, Women & Infants Hospital, 1999–2000.
- ▶ Chair, Acute Monitoring Service Committee, Women & Infants Hospital, 2002–present.
- ▶ Member, Gyn/General Surgery/Oncology/Medicine Service Line Evaluation Committee, 2003–present.
- ▶ Chair, Acute Monitoring Service Review Group, 2005–present,
- ▶ Chair, Rapid Response Team Task Force, 2005–present.
- ▶ Manager and Editor, North American Society of Obstetric Medicine Website and online Journal Watch, 2002–present.
- ▶ Regular Peer Reviewer, UpToDate. An electronic clinical information resource produced in cooperation with Society of General Internal Medicine, The Endocrine Society, The American Gastroenterological Society, The American College of Obstetricians and Gynecologists, American Society of Nephrology, American Thoracic Society, and American College of Rheumatology, 2002–present.
- ▶ Advisor, Brown University/Women & Infants Hospital – National Centers of Excellence in Women’s Health. Clinical Care Working Group, 2003–present.
- ▶ Website manager, International Society of Obstetric Medicine, 2003–present.
- ▶ Secretary – Treasurer, North American Society of Obstetric Medicine, 2005–2007.
- ▶ Reviewer, Brown University/Women & Infants Hospital National Center of Excellence in Women’s Health. Women’s Health Education Seed Grant, 2005.

- ▶ American College of Physicians-Physicians Information and Education Resource (PIER) Project. Responsible for quarterly updates of module: Postpartum Fevers, 2002–2005.
- ▶ American College of Physicians-Physicians Information and Education Resource (PIER) Project. Responsible for quarterly updates of module: Thrombophilia and Pregnancy, 2002–2005.
- ▶ Advisor, Brown University/Women & Infants Hospital – National Center of Excellence in Women's Health, Clinical Care Working Group, 2005–2007.
- ▶ Member, Society for General Internal Medicine, Working group on Medical Care of the Pregnant and Postpartum Woman, 2006.
- ▶ Reviewer, Brown University/Women & Infants Hospital National Center of Excellence in Women's Health. Women's Health Education Seed Grant, 2006.
- ▶ Secretary/Treasurer, North American Society of Obstetric Medicine, 2005–2007.
- ▶ Vice President, North American Society of Obstetric Medicine, 2007–present.
- ▶ Society of Maternal-Fetal Medicine, Affiliate Member, 2007–present.
- ▶ Professional Education Committee, Preeclampsia Foundation, 2007.

Margaret Miller, M.D.

- ▶ Appointed to the Executive Committee of the North American Society of Obstetric Medicine, 2007.
- ▶ Serves on the Clinical and Academic Program Strategy Group (CAPS), Women & Infants Hospital, October 2006–Present.

Teri Pearlstein, M.D.

- ▶ Consultant (member, PM.D.D Content Development Faculty Meeting), Dannemiller Memorial Educational Foundation and MedPro Communications, Inc., Los Angeles, CA, May 14, 2005.
- ▶ Consultant (member, PM.D.D Expert Panel), Wyeth, Miami, FL, February 15, 2006.
- ▶ Consultant (member, Desvenlafaxine Consultant Meeting), Wyeth, Philadelphia, PA, October 6, 2006.
- ▶ Consultant (member, 2007 Forum for Women's Healthcare), Dannemiller Memorial Educational Foundation and Haymarket Medical, Dallas, TX, February 24, 2007.
- ▶ External Peer Reviewer, Canadian Institutes of Health Research, January 2006.

- ▶ Mail-in Reviewer, Specialized Centers of Research (SCOR) on Sex and Gender Factors Affecting Women's Health, Special Emphasis Panel, NIH, March 2007.
- ▶ Editorial Board, Archives of Women's Mental Health, Springer-Verlag/Wien, 2002–present
- ▶ Editorial Board, Women's Health, Future Medicine Ltd, 2005–present
- ▶ Editorial Board, Women's Health in Primary Care, Jobson Publishing, 2005–present

Karen Rosene-Montella, M.D.

- ▶ Brown University Planning Committee for Center for Research & Education in Women's Health
- ▶ North American Representative, Executive Committee, International Society of Obstetric Medicine, 2005–present.
- ▶ Search Committee, Brown University Chair of Emergency Medicine, 2005–2006.
- ▶ Editor, Medical Care of the Pregnant Patient, 2nd Edition, American College of Physicians, 2006–present
- ▶ Editor, Pulmonary Problems in Pregnancy: Clinical and Research Aspects, Humana Press, Inc., 2006–present.
- ▶ Brown University Teaching Scholar Task Force.
- ▶ Overseas Fellow, Royal Society of Medicine, August 2006 to present.
- ▶ Patient and Family Advisory Council, Women & Infants Hospital, 9/2006–Present
- ▶ Clinical and Academic Program Strategy Group (CAPS), Women & Infants Hospital. 10/2006–Present.
- ▶ Brown University Committee on Medical Faculty Appointments (CMFA), 9/2006–present.
- ▶ Appointed as a member of the American College of Physician Executives, March 2006.
- ▶ Appointed Journal Co-Editor-in-Chief, Obstetric Medicine: The Medicine of Pregnancy, Royal Society of Medicine, May 2006.

Iris Tong, M.D.

- ▶ Faculty Representative, Postgraduate Referral Committee, Brown University Medical School, January 2006–Present.
- ▶ Women's Health Advisory Board, Rhode Island Department of Health, 2006–Present.
- ▶ Caron Zlotnick, PhD
- ▶ Chair of task force for The Mental Health Needs of Women Prisoners, 1998–Present.



Dr. Iris Tong

- ▶ Journal reviewer for Journal of Clinical Psychology, The Journal of Nervous and Mental Disease, Journal of Abnormal Psychology, Journal of Traumatic Stress, Journal of Personality Disorder, Comprehensive Psychiatry, Psychosomatic Medicine, Journal of Consulting and Clinical Psychology, 1998–present.
- ▶ Editorial board of the Journal of Clinical Psychology; Editorial board of Psychiatric; Editorial board of South African Psychiatry Review, 2004–present.
- ▶ Editorial board of the Journal of Trauma Practice, 2005–present.
- ▶ Editorial board of Psychological Bulletin, 2006–present.

TEACHING ACTIVITIES

EDUCATION HONORS & AWARDS

Ghada Bourjeily, M.D.

- ▶ Dean's Teaching Excellence Award Outstanding Teaching in Bio 351 - Human Reproduction Growth & Development (HRGD), Pathophysiology Small Group, 2007.

Silvia Degli-Esposti, M.D.

- ▶ Dean's Teaching Excellence Award – Bio 282 Pathophysiology/Gastroenterology, 2005–2007.

Margaret Miller, M.D.

- ▶ Dean's Teaching Excellence Award Outstanding Teaching in Bio 351 HRGD Pathophysiology small group, June 2006–June 2007.

Raymond Powrie, M.D.

- ▶ Dean's Teaching Excellence Award Outstanding Teaching in Bio 351 HRGD Pathophysiology small group June, 2006
- ▶ Top Presenter at Core Curriculum – 2006.
- ▶ Full-time Faculty Award – 2006.
- ▶ Dean's Teaching Excellence Award for exemplary teaching during the 2005–2007 academic years, Brown Medical School.

Sumona Saha, M.D.

- ▶ Centocor Educational Grant – Awarded for advanced Inflammatory Bowel Disease rotation at University of Chicago Hospitals, September 2006.
- ▶ Annenberg Center for Health Sciences Scholarship – Awarded to attend Mentoring in Inflammatory Bowel Disease Program, Rancho Mirage, California, May 2007.

Iris Tong, M.D.

- ▶ Dean's Teaching Excellence Award, Brown University Medical School, 2005.
- ▶ Teaching Recognition Award, Brown University Medical School, 2005.
- ▶ Accepted to attend the American Association of Medical College's Early Career Women Faculty Professional Development Seminar, Washington, D.C., July 8–12, 2006.

Caron Zlotnick, PhD

- ▶ Ad hoc reviewer for the NIMH Special Emphases Panel, May 2007.

MAJOR TEACHING RESPONSIBILITIES

G. Thamara Davis, M.D.

- ▶ Psychiatry Residency Day Hospital Supervisor, Warren Alpert Medical School of Brown University, 2003–Present.
- ▶ Child and Adolescent Psychiatry Fellowship Day Hospital Supervisor, Warren Alpert Medical School of Brown University, 2006–Present.

Silvia Degli-Esposti, M.D.

- ▶ Director of the Elective and Fellowship Track in “Women's Gastrointestinal Disorders”, Brown Medical School since 2005.

Ellen Flynn, M.D.

- ▶ Psychiatry Residency Consultation-Liaison Supervisor, Warren Alpert Medical School of Brown University, 2004–Present.
- ▶ Psychiatry Residency Psychotherapy Supervisor, Warren Alpert Medical School of Brown University, 2006–present.
- ▶ Co-Coordinator of the Women's Primary Care Clinic Psychiatry Curriculum, Women and Infants Hospital, 2007.

Margaret Howard, PhD

- ▶ Clinical Psychology Post-Doctoral Outpatient Psychotherapy Supervisor, Brown Medical School, Providence, RI, 1998–Present.
- ▶ Psychiatry Residency Psychotherapy Supervisor, Brown Medical School, Providence, RI, 2000–Present.
- ▶ Clinical Training Site and Primary Clinical Supervisor, elective rotation for clinical-research focus track Child Psychology intern, Brown Medical School, Providence, RI, 2003–Present.

Lucia Larson, M.D.

- ▶ Director and Attending Physician, Medical Consultation Clinic, Women's Primary Care Center, Women & Infants Hospital of RI. Developed and implemented ambulatory curriculum for fellows and medical residents in Obstetric Medicine, 1995–present.
- ▶ Coordinator, Primary Care Noon Conference, Women's Primary Care Center, Women & Infants Hospital of RI, 1997–2005.
- ▶ Director, Warren Alpert Medical School of Brown University Student Clerkship, Medical Consultation in Obstetrics and Gynecology, Bio-Med 340, 1998 to present.

- ▶ Leader, small group session Pathophysiology course, Reproductive Medicine, Warren Alpert Medical School of Brown University (BIOMED 282), 2001–2004.
- ▶ Fellowship Director, Fellowship in Obstetric and Consultative Medicine, Warren Alpert Medical School of Brown University, Women & Infants Hospital of RI, 2005–present.
- ▶ Leader, BIO MED 351 Human Reproduction Growth and Development, small group session. Warren Alpert Medical School of Brown University, Providence, RI; April 2005–present.

Karen Rosene-Montella, M.D.

- ▶ Co-Director, American College of Physicians Workshops, Medical Problems in Pregnancy since 1991.
- ▶ Director, Clinical Programming, Care New England Wellness Center since 1999.

CLINICAL ACTIVITIES

During the time of July 2005–June 2007, the Department of Medicine provided 6,067 inpatient consultation encounters at Women & Infants Hospital. The Division's outpatient practice provided care to 27,858 patients, most of which were consultations for the Ob/Gyn physicians.

Our clinicians see patients for diagnoses such as thrombosis in pregnancy, cardiac disease in pregnancy, headaches, palpitations, hypertension, asthma, gastrointestinal disorders, postpartum depression, mood and anxiety disorders related to pregnancy, infertility, pregnancy loss, PMS and menopause. We often follow patients with chronic medical evaluations for patients anticipating surgery. We also offer pulmonary function

OBSTETRIC AND CONSULTATIVE MEDICINE FELLOWSHIP PROGRAM**Departing Fellows**

Name	Medical School	Residency	Career Plans
Elvis Pagan, M.D.	University of North Carolina Chapel Hill	Internal Medicine Rhode Island Hospital/Miriam Hospital Brown Medical School	Graduated June 2006. Employed at St. Peter's University Hospital as an obstetric internist.

Current Fellows

Name	Medical School	Residency	Career Plans
Letitia Acquah, M.D.	Dalhousie University Canada	Internal Medicine Tulane University Medical Center	Graduating in June 2007. Currently interviewing with several out-of-state institutions.
Meghan Hayes, M.D.	State University New York Health Science Center at Syracuse College of Medicine	David Grant USAF Medical Center; Travis Air Force Base, California. In affiliation with University of California at Davis Medical School	Graduating in June 2008

GASTROENTEROLOGY FELLOWSHIP PROGRAM

Current Fellow

Name	Medical School	Residency	Career Plans
Sumona Saha, M.D.	Brown-Dartmouth Medical Program, Dartmouth Medical School, Hanover, NH Brown Medical School, Providence, RI	Beth Israel Deaconess Medical Center	To graduate June 2008. Currently interviewing with W&I, Department of Medicine.

testing and preconception counseling for women with medical problems who are considering pregnancy.

PUBLICATIONS

Glicksman AS, Dibble C, et al. Colorectal Cancer Task Force. Colorectal algorithm guidelines for screening. *Med Health RI* 89(4), 149, April 2006.

Howard M, Battle CL, Pearlstein T, Rosene-Montella K. A psychiatric mother-baby day hospital for pregnant and postpartum women. *Archives of Women's Mental Health*, 9(4):213–218, 2006.

Moura R: Irritable Bowel Syndrome. *Medicine and Health Rhode Island*. Vol 88 (10) October 2005, pages 342–345

Yonkers KA, Brown C, Pearlstein TB, Foegh M, Sampson-Landers C, Rapkin A. Efficacy of a new low-dose oral contraceptive with drospirenone in premenstrual dysphoric disorder. *Obstetrics and Gynecology*, 106(3):492–501, 2005.

Pearlstein TB, Bachmann GA, Zacur HA, Yonkers KA. Treatment of premenstrual dysphoric disorder with a new drospirenone-oral contraceptive formulation. *Contraception*, 72(6):414–421, 2005.

Steiner M, Pearlstein T, Cohen LS, Endicott J, Kornstein SG, Roberts C, Roberts DL, Yonkers K. Expert guidelines for the treatment of severe PMS, PM.D.D, and comorbidities: The role of SSRIs. *Journal of Women's Health*, 15(1):57–69, 2006.

Kornstein SG, Pearlstein TB, Fayyad R, Farfel GM, Gillespie JA. Low-dose sertraline in the treatment of moderate-to-severe premenstrual syndrome: Efficacy of 3 dosing strategies. *Journal of Clinical Psychiatry*, 67(10):1624–1632, 2006.

Pearlstein T. Will oral contraceptives join SSRIs as a first-line treatment option for women with premenstrual dysphoric disorder? [editorial]. *Women's Health*, 2(2):183–185, 2006.

Pearlstein TB, Zlotnick C, Battle CL, Stuart S, O'Hara

MW, Price AB, Grause MA, Howard M: Patient choice of treatment for postpartum depression: A pilot study. *Archives of Women's Mental Health*, 9:303–308, 2006.

Powrie RO, Larson L, Miller M: "Managing Asthma in Expectant Mothers" *Treatments in Respiratory Medicine*, Volume 5, Number 1, 2006 pp. 1–10(10).

Casele H, Haney E, James A, Rosene-Montella K, Carson M: Bone density changes in women who receive thromboprophylaxis in pregnancy. *American Journal of Obstetrics and Gynecology*. Oct;19;5(4):1109–13, 2006.

Zlotnick C, Johnson DM, Kohn R: Intimate Partner Violence and Long-term Psychosocial Functioning in a National Sample of American Women. *J Interpers Violence*, 2006. Feb;21(2):262–75.

Johnson D, Zlotnick, C: A Cognitive-Behavioral Treatment for Battered Women with PTSD in Shelters: Findings from a Pilot Study. *J Trauma Stress*, 2006 Aug;19(4):559–64.

Battle CL, Zlotnick C, Miller IW, Pearlstein T, Howard M. Clinical characteristics of perinatal psychiatric patients: A chart review study. *Journal Nerv Ment Dis*, 194(5):369–377, 2006.

Zlotnick, C., Johnson, J., Kohn, R., Vicente, B., Rioseco, P., & Saldivia, S: Epidemiology of trauma, posttraumatic stress disorder (PTSD), and comorbid disorders in Chile. *Psychol Med*, 2006 Nov;36(11):1523–33.

Zlotnick C, Miller IW, Pearlstein T, Howard M, Sweeney P. A Preventive Intervention for Pregnant Women on Public Assistance at Risk for Postpartum Depression. *American Journal of Psychiatry*. 2006;163(8):1443–1445.

Zlotnick C: Community-versus individual-level indicators to identify pediatric health care need. *J Urban Health*. 2007 Jan;84(1):45–59.

Zlotnick C, Johnson DM, Stout RL, Zywiak WH, Johnson JE, Schneider JR: Childhood Abuse and Intake Severity in Alcohol Disorder Patients. *J Trauma Stress*, 2007 Apr;20(2):217.

PULMONARY, CRITICAL CARE & SLEEP MEDICINE

OVERVIEW

The Division of Pulmonary, Critical Care and Sleep Medicine has continued to grow over the last several years, widening its scope of clinical, research and educational activities. Our pulmonary hypertension program has reached national stature under the leadership of Dr. James Klinger, Associate Professor of Medicine. We have increased the number of clinic sessions for patients with this disorder. Patients with primary pulmonary hypertension continue to be seen in this clinic but more recently, also patients with pulmonary hypertension secondary to collagen vascular diseases and chronic obstructive pulmonary disorders. The addition of a nurse practitioner, Jeanne Houtchens, NP has been extremely helpful as she has extensive experience with pulmonary hypertension patients, especially those who require continuous intravenous infusion of antihypertensive agents. The clinical service has been on the cutting edge of new treatment protocols for pulmonary hypertension and has participated in many multi-center trials studying epoprostenol, bosentan, nitric oxide and brain natriuretic peptide. We are also participating in a national registry to evaluate early and long-term pulmonary artery hypertension disease management. The clinical activities in our pulmonary hypertension clinic have been a natural extension of the intense nationally-recognized research activities at the Veterans Administration Hospital pulmonary vascular biology laboratories of several division members. Several have conducted NIH funded research in this area including Dr. Sharon Rounds, Professor of Medicine, Dr. James Klinger, Associate Professor of Medicine, Dr. Elizabeth Harrington, Associate Professor of Medicine, and Dr. Qing Lu, Assistant Professor of Medicine. The laboratory investigates questions regarding endothelial barrier function, apoptosis and lung injury, and the role of natriuretic peptides on pulmonary microvascular function. It has been a great research training ground for several of our pulmonary and critical care fellows. Dr. Harrington had the featured abstract for the Pulmonary Circulation Assembly at the 2007 American Thoracic Society Meeting. It was entitled “Heterogeneous apoptotic signaling response of the microvascular endothelial cells to reactive oxygen species.”



Sidney Braman, M.D., Professor of Medicine, Division of Pulmonary, Critical Care and Sleep Medicine

Our sleep program has continued to expand. We have responsibility for the medical direction of several sleep laboratories around the state, including a laboratory in Providence, Newport, West Warwick and East Providence. Drs. Richard Millman, Professor of Medicine, and Alice Bonitati, Clinical Associate Professor of Medicine, our leading consultants in sleep medicine, have been recognized in the community for their clinical excellence and unique expertise in sleep disordered breathing and non-respiratory sleep disorders. We have been fortunate to recruit a nurse practitioner with expertise in sleep medicine. Lauren Cushing, NP had formal sleep training at the Massachusetts General Hospital. She has a busy sleep practice in our Providence and West Warwick offices. We have had a successful collaborative effort with the Department of Pediatrics to expand our expertise in pediatric sleep medicine. Dr. Judy Owens from the Department of Pediatrics has joined our sleep group to expand our capabilities in this discipline. We were pleased to hear in 2007 that our application for a fellowship in sleep medicine was approved by the American Council on Graduate Medical Education. Board certification in Sleep Medicine will now be approved by the American Board of Internal Medicine, Neurology and/or Psychiatry. We anticipate that we will be accepting applications to our sleep training program for eligibility in Sleep Medicine from physicians trained

in pulmonary medicine, internal medicine, neurology or psychiatry in the near future. Dr. Richard Millman has continued to collaborate in funded research activities relating to: 1) motivating adherence to CPAP in obstructive sleep apnea, 2) the effective weight loss on sleep apnea in patients with Type II diabetes, and 3) insomnia and drug relapse risk.

Critical Care Medicine has continued to be a major focus of the clinical, research and training activities of our division at all of our hospital sites. Under the leadership of Dr. Mitchell Levy, Professor Medicine, the Rhode Island Hospital program has continued to expand. Dr. Levy has gained international prominence in the field of critical care medicine. He has been elected to the position of the Secretary, executive committee, of the Society of Critical Care Medicine. This is the first step to becoming President of this prestigious medical society. Our division provides direction and clinical support to the medical ICU, respiratory and step-down ICU's and also the neurosurgical ICU at Rhode Island Hospital and the medical intensive care units of the Veterans Administration Medical Center and Memorial Hospital of Rhode Island. These units have been an outstanding clinical and research training site for pulmonary and critical care fellows as well as internal medicine residents. Areas of research interest include: 1) measuring the quality of end-of-life care in the intensive care unit, 2) early goal directed therapy for sepsis, 3) the evaluation of PEEP titration in acute lung injury, and 4) and vasopressor requirements and hemodynamic responses in patients with septic shock. We are a clinical coordinating center for a phase three multicenter randomized placebo-controlled double-blind trial on the safety of Recombinant Tissue Factor Pathway Inhibitor in severe community-acquired pneumonia. An important direction for the future of critical care medicine is the study of methods to improve outcomes in the medical ICU and insure patient safety. In recent years the medical ICU at Rhode Island Hospital has been cited nationally for excellence in clinical care. In order to expand upon this high level of success in patient care, we have added a new faculty member with expertise in health care improvement in the medical ICU. Dr. Sean Townsend, Assistant Professor of Medicine, is a new member of the Brown community who has been named the Associate Director of Critical Care at Rhode Island Hospital. He is a former fellow in pulmonary and critical care medicine at the Harvard Combined Program in Pulmonary and Critical Care and is completing a master's degree in public health at the Harvard University School of

Public Health. Dr. Townsend brings to the division expertise in the area of health services research with a specific emphasis on healthcare quality improvement initiatives. He has designed the data collection strategy, performance measures and database for the Surviving Sepsis Campaign, a joint effort of the Society of Critical Care Medicine, the European Society of Intensive Care Medicine and the International Sepsis Forum. He is additionally a faculty member at the Institute for Healthcare Improvement in Cambridge, MA where he spent a year of training prior to coming to Brown.

In our last report we announced the formation of a new program in pulmonary medicine, interventional pulmonology. This program has grown considerably since then under the direction of Dr. Muhanned Abu-Hijleh, Assistant Professor of Medicine. With the assistance of Dr. Kevin Dushay, Assistant Professor of Medicine, and Dr. Yaser Abu El-Sameed, one of our former pulmonary/critical care medicine fellows who has joined our faculty in 2007, we anticipate that this program will be an important clinical resource and leading research program in the years to come. Dr. Abu-Hijleh has already secured a position for our division as part of a national multicenter clinical trial to evaluate the safety and effectiveness of an endobronchial valve system for the treatment of severe emphysema. We hope that this noninvasive endoscopic procedure will replace lung volume reduction surgery for patients with severe shortness of breath due to their lung disease. These division members are performing medical thoracoscopy and advanced bronchoscopic techniques for lung cancer. The bronchoscopic ultrasound is another new technique used by the interventional pulmonologist. It allows sampling of lymph nodes surrounding the bronchial tree by a noninvasive technique. In many patients this will avoid diagnostic mediastinoscopy, which requires general anesthesia and invasive surgery. With the growth of the Rhode Island Hospital Cancer Center and the medical school at Brown, we believe these advanced techniques will be important to the patients of Rhode Island and the vicinity.

Our division is proud to announce several other notable events since our last report:

- ▶ Dr. F. Dennis McCool, Professor of Medicine and Chief of Pulmonary and Critical Care Medicine at the Memorial Hospital of Rhode Island has been named the Editor-in-Chief of the journal "Lung". Dr. James Klinger, Associate Professor of Medicine, has been named the Associate Editor of this journal. Dr. McCool has been co-investigator in a VA merit

review grant studying anabolic therapies in treating the secondary disabilities of spinal cord injury.

- ▶ Dr. Nicholas Ward, Associate Professor of Medicine, has assumed the position of Program Director for the Fellowship in Pulmonary and Critical Care Medicine. Our fellowship recruitment has been highly successful in recruiting four fellows each year for the three-year training program. We participate in the national fellowship match. In the last several years, in addition to recruiting several Brown Internal Medicine graduates, our fellows have been recruited from Tufts, New England Medical Center, Beth Israel Deaconess Medical Center, Temple Medical School, St. Elizabeth Medical Center, Cleveland Clinic, U.M.D.NJ University Hospital, University of Massachusetts, and Medical College of Virginia. Our fellows have three years of training including one full year of research. They are required to present their research at a national meeting. The topics have been quite varied and have included the following abstracts: 1) “isolated low DLCO as a predictor of parenchymal lung disease,” 2) “diaphragm thickening during assist control ventilation in healthy volunteers,” 3) lung vascular permeability and pulmonary edema. PKC and lung function,” and 4) “ultrasound in the evaluation of recovery from diaphragm paralysis.” We have sponsored a medical resident in each of the last two years who have also presented their research at the American Thoracic Society meeting.
- ▶ We have forged a collaboration with the Division of Hematology/Oncology through its new Director, Dr. Peter Quesenberry, Professor of Medicine. He is the Project Leader of a COBRE grant entitled “The New Stem Cell Biology.” He has successfully recruited a pulmonologist, Dr. Jason Aliotta, to join the research group and we are fortunate to have Dr. Aliotta join our division. He is a former fellow in pulmonary and critical care medicine at Brown and currently holds the rank of Assistant Professor of Medicine. He will conduct stem cell research in pulmonary related areas. He has found that marrow-derived stem cells produce lung cells during lung injury. The main focus of his research will be to examine the contribution of bone marrow-derived stem cells to the cellular component of the radiation-injured murine lung. He has hypothesized that injured lung cells are capable of inducing phenotypic modifications of marrow cells by the release and subsequent uptake of lung-derived microvesicles, inducing marrow cells to assume a lung cell phenotype.
- ▶ Dr. Linda Nici, Clinical Associate Professor of Medicine has been named to the Board of Directors of the American Association of Cardiovascular and Pulmonary Rehabilitation and is co-chair of a joint American Thoracic Society/European Respiratory Society statement on pulmonary rehabilitation. She has established a highly successful pulmonary rehabilitation program at the Veterans Administration Medical Center. Her research in the area of pulmonary rehabilitation has explored the relationship of pulmonary hypertension and impairment of functional improvement in patients with COPD.
- ▶ Our division has developed stronger ties with the Critical Care program at the Miriam Hospital. Dr. Gerardo Carino, Assistant Professor of Medicine, Site Director of the Critical Care Medicine Fellowship Program at the Miriam Hospital has been working to integrate the Miriam program with the Pulmonary/Critical Care Medicine Program at the Brown affiliated hospitals. Dr. Mitchell Levy, Professor of Medicine, has provided medical leadership to the Critical Care Program until a new chief can be recruited.
- ▶ The Division of Pulmonary and Critical Care Medicine at the Warren Alpert Medical School of Brown University has created an educational exchange with the Royal Medical Services in Amman, Jordan. Dr. Sidney Braman, Chief of Pulmonary and Critical Care Medicine and Professor of Medicine, Dr. Ed Wing, Chief of Medicine and Professor of Medicine, and Dr. Muhanned Abu-Hijleh, Chief of Interventional Pulmonology and Assistant Professor of Medicine (Clinical) signed an agreement with the Royal Medical Services to send Jordanian fellows for training at Brown. These fellows would be returning to their medical program after one year of training at Rhode Island Hospital.
- ▶ Dr. Vera De Palo, Associate Professor of Medicine, has been selected to be the Chairperson of the American College of Chest Physicians, Council of Governors. She has also been the Rhode Island representative on the Council of Chapter Representatives for the American Thoracic Society.
- ▶ Dr. Eleanor Summerhill, Assistant Professor of Medicine, has devoted recent efforts to physician education regarding disaster response. She is the Project Chair and Primary Investigator of the Disaster Response Network of the American College of Chest Physicians. She is surveying the membership of this professional society to determine the level of competency and

preparedness of U.S. physicians. She has also been on the Critical Care Network steering committee education and simulation working groups.

- ▶ Dr. Kevin Dushay, Assistant Professor of Medicine, was the recipient of the New England Organ Bank Key Strategy Award for advanced practice. He is the Co-course Director with Dr. Nicholas Ward, Associate Professor Medicine, of the pulmonary pathophysiology course for our first and second year medical students.
- ▶ Dr. Sharon Rounds, Professor of Medicine, finished her tenure as Associate Dean for Faculty Affairs at the medical school. She has been named Chief of the Medical Service at the Providence VA Medical Center. She is the principal investigator in an NIH sponsored grant entitled “Short-term training program to increase diversity in health-related research.” She has been a member of several NIH committees including data safety monitoring boards for clinical research projects, a strategic planning working group on integrative approaches to pathogenetic research and also a special emphasis panel on training grants. She has continued to be very active in the American Thoracic Society since stepping down as President of the organization. She has chaired its membership committee and also been the Vice-chair of the scientific advisory committee.
- ▶ Dr. Sidney Braman, Division Director and Professor of Medicine, has been awarded the “GlaxoSmithKline Distinguished Scholar in Respiratory Health Award” by The American College of Chest Physicians and The CHEST Foundation, its philanthropic arm. This endowed scholars program provides financial support for clinical educational projects that will improve patient care. As the ACCP Distinguished Scholar, Dr. Braman will represent the College membership and will complete a project that will impact the College’s global membership by offering improved methods of practice and medical education. The goal of the project is to develop a COPD Chronic Care Model. The vision is to have this integrative model of care for COPD patients used by primary care physicians and other health care providers throughout the country. The Model will encourage high quality, evidence-based and guideline driven chronic disease management and the use of ACCP educational resources. The COPD Chronic Care Model will be developed by creating a partnership with the Institute for Health Care Improvement (IHI) in Cambridge, MA.

FACULTY MEMBERS

FULL-TIME FACULTY (Hospital or Foundation Based)

- Muhanned Abu-Hijleh, M.D.**, Assistant Professor (Clinical), Rhode Island Hospital, University Medicine Foundation
- *Jason Aliotta, M.D.**, (Appointment Pending), Rhode Island Hospital, University Medicine Foundation
- Alice Bonitati, M.D.**, Clinical Associate Professor, Rhode Island Hospital, University Medicine Foundation
- Sidney Braman, M.D.**, Director, Professor, Rhode Island Hospital, University Medicine Foundation
- Gerardo Carino, M.D., Ph.D.**, Assistant Professor, Miriam Hospital
- **E. Jane Carter, M.D.**, Assistant Professor, Miriam Hospital
- Vera De Palo, M.D.**, Associate Professor, Memorial Hospital
- Kevin Dushay, M.D.**, Assistant Professor, Rhode Island Hospital, University Medicine Foundation
- Allan Erickson, M.D.**, Associate Professor, VA Medical Center
- Elizabeth Harrington, Ph.D.**, Assistant Professor, VA Medical Center
- Brian Kimble, M.D.**, Clinical Assistant Professor, VA Medical Center
- James Klinger, M.D.**, Associate Professor, Rhode Island Hospital, University Medicine Foundation
- Mitchell Levy, M.D.**, Professor, Rhode Island Hospital, University Medicine Foundation
- Qing Lu, Ph.D.**, Assistant Professor, VA Medical Center
- F. Dennis McCool, M.D.**, Professor, Memorial Hospital
- Richard Millman, M.D.**, Professor, Rhode Island Hospital, University Medicine Foundation
- Jorge Mora, M.D.**, Assistant Professor, Memorial Hospital
- Linda Nici, M.D.**, Clinical Associate Professor, VA Medical Center
- Annie Lin Parker, M.D.**, Clinical Associate Professor, Memorial Hospital
- Sharon Rounds, M.D.**, Professor of Medicine and Pathology and Laboratory Medicine, VA Medical Center
- Patricia Russo-Magno, M.D.**, Clinical Assistant Professor, Memorial Hospital
- Tihomir Stefanec, M.D.**, Clinical Assistant Professor, Memorial Hospital

Eleanor Summerhill, M.D., Assistant Professor, Memorial Hospital

Sean Townsend, M.D., Assistant Professor, University Medicine Foundation

Nicholas Ward, M.D., Associate Professor, Rhode Island Hospital, University Medicine Foundation

Patrick Weyer, M.D., Clinical Assistant Professor, Memorial Hospital

*Joint Appointment with Hematology/Oncology

**Joint Appointment in Infectious Disease

VOLUNTARY FACULTY

William Corrao, M.D., Clinical Professor, Rhode Island Hospital

R. William Corwin, M.D., Clinical Assistant Professor, Rhode Island Hospital

Walter Donat, M.D., Clinical Associate Professor, Rhode Island Hospital

David Etensohn, M.D., Clinical Associate Professor, Memorial Hospital

Ronald Gilman, M.D., Clinical Assistant Professor, Miriam Hospital

Peter Karczmar, M.D., Clinical Assistant Professor, Miriam Hospital

Naomi Kramer, M.D., Clinical Assistant Professor, Rhode Island Hospital

John Ladetto, M.D., Clinical Instructor, Memorial Hospital

Timothy Liesching, M.D., Clinical Assistant Professor, Memorial Hospital

James Myers, M.D., Clinical Associate Professor, Miriam Hospital

Mamoun Najjar, M.D., Clinical Assistant Professor, Miriam Hospital

Charles Sherman, M.D., MPH, Clinical Associate Professor, Miriam Hospital

Michael Stanchina, M.D., Clinical Assistant Professor, Rhode Island Hospital

Joel Weltman, M.D., Ph.D., Clinical Professor Emeritus, Rhode Island Hospital

Zwetchkenbaum, John, M.D., Clinical Instructor, Memorial Hospital

ADJUNCT FACULTY

Nicholas Hill, M.D., Adjunct Professor, Tufts New England Medical Center

Joseph Meharg, M.D., Adjunct Assistant Professor, Roger Williams Medical Center

Michael Passero, M.D., Adjunct Associate Professor, Roger Williams Medical Center

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION OF FACULTY

Jason Aliotta, M.D.

INVITED PRESENTATIONS:

- ▶ COBRE Research Seminar Series at the University of Vermont, November 2005, Burlington, VT: “Lung Injury and the Conversion of Hematopoietic Marrow Cells to Lung Cells”
- ▶ American Thoracic Society, 2006 conference. San Diego, CA: “Animal Models for the Treatment of Monocrotaline-Induced Pulmonary Hypertension with Stem Cells”

Sidney Braman, M.D.

- ▶ GlaxoSmithKline Distinguished Scholar in Respiratory Health Award presented by The American College of Chest Physicians and The CHEST Foundation, June 2007

INVITED PRESENTATIONS:

- ▶ Heart Lung Conference, ACCP West India Chapter, 2006 conference. Mumbai, India: “Goal of asthma therapy”, “Treatment of acute severe asthma”, and “COPD - New insights”
- ▶ Lung Diseases in the XXI Century, ACCP Polish Chapter/Polish Society of Pneumology, 2006 conference. Krakow, Poland: “Long-acting beta agonists—are they safe?”, “COPD—an inflammatory disease”, and “COPD—the acute exacerbation”

Vera DePalo, M.D.

- ▶ Chairperson-Elect, ACCP, Council of Governors
- ▶ Chairperson, ATS, Council of Chapter Representatives, RI Representative
- ▶ Invited Presentations:
- ▶ American Thoracic Society, 2006 conference. San Diego, CA: “Great Cases: Clinical, Radiologic and Pathologic Correlations by Master Physicians”. Session Chairperson

Kevin Dushay, M.D.

- ▶ New England Organ Bank Key Strategy Award for “Advanced Practice”

Elizabeth Harrington, Ph.D.

- ▶ Associate Editor, Lung, 2003–present

- ▶ Elected Member, Assembly on Pulmonary Circulation, Nomination Committee, American Thoracic Society, 2006–2007

INVITED PRESENTATIONS:

- ▶ American Thoracic Society, 2007 conference. San Francisco, CA: Mini-symposium on Pulmonary Edema, Acute Lung Injury and Endothelial Barrier Function: “RhoA GTPase Protects against Modulation of the Unfolded Protein Response (UPR) Protein GRP94 in Pulmonary Endothelium”

James R. Klinger, M.D.

- ▶ Associate Editor, Lung

INVITED PRESENTATIONS:

- ▶ American Thoracic Society, 2007 conference. San Francisco, CA: 1) “Increased morbidity and mortality associated with elevated pulmonary arterial pressure in patients with COPD”, 2) Organizer and Co-Chair “Pulmonary hypertension in COPD”, 3) Co-Chair “Circulating stem cells for the lung: therapeutic implications for chronic lung diseases:”
- ▶ American Thoracic Society, 2006 conference. San Diego, CA: Symposia Chair, Organizer and Co-Chair: “Regenerating the lung circulation in pulmonary arterial hypertension: more than a pipe dream”

Mitchell Levy, M.D.

SCCM Executive Committee, Secretary

Co-Chair, IHI ICU IMPACT Series

Lead Investigator, Phase 3, Surviving Sepsis Campaign

Qing Lu, Ph.D.

INVITED PRESENTATIONS:

- ▶ American Thoracic Society, 2006 conference. San Diego, CA: “Transcriptional regulation of transforming growth factor (TGF)- β 1-increased endothelial permeability.”
- ▶ American Thoracic Society, 2007 conference, San Francisco, CA: “RhoA GTPase protects against modulation of the unfolded protein response (UPR) protein GRP94 upon inhibition of isoprenylcysteine-O-carboxylmethyltransferase (ICMT).”
- ▶ American Thoracic Society, 2007 conference, San Francisco, CA: “The distinct effects of transforming growth factor- β 1 on pulmonary vascular endothelial cell apoptosis”

F. Dennis McCool, M.D.

- ▶ Editor-in-Chief, Lung
- ▶ Leader, People to People Pulmonary Critical Care Delegation to China and Mongolia, April, 2006

- ▶ First American Cough Conference, 2007. New York, NY: “Emerging Concepts in Clinical Cough” (Moderator)

Richard Millman, M.D.

INVITED PRESENTATIONS:

- ▶ Visiting Professor, Sleep Symposium, Wellesley College, February 1, 2006
- ▶ Co-Chair, 20th Annual Northeast Sleep Society Meeting, Warwick, RI, March 17–18, 2006

INVITED PRESENTATION:

- ▶ American College of Chest Physicians, 2006 conference. Salt Lake City, UT: “Adolescents are neither small adults or large children”

Linda Nici, M.D.

- ▶ Board of Directors, American Association of Cardiovascular and Pulmonary Rehabilitation; 2005–2006
- ▶ Editorial Board, Chronic Respiratory Disease; 2005–present
- ▶ Co-Chair, Joint American Thoracic Society/European Respiratory Society Statement on Pulmonary Rehabilitation; 2005–2006

Sharon Rounds, M.D.

- ▶ Immediate Past President, American Thoracic Society, 2005–2006

INVITED PRESENTATIONS:

- ▶ Japanese Respiratory Society, 2006 conference. Tokyo, Japan: “Pulmonary hypertension, new insights and new hopes” and “Stem cells and lung diseases”, English-Speaking Symposium Chair
- ▶ University of Hawaii, March, 2007. Medical Grand Rounds, Queens Medical Center, “New Concepts in the Pathogenesis of COPD”; Medical Grand Rounds, Kuakini Medical Center, “New Concepts in Pathogenesis of Pulmonary Hypertension”; Medical Staff Conference, Kaiser-Permanente Medical Center, “Co-Morbidities of COPD”; Medical Staff Conference, Honolulu VAMC, “Cardiovascular Consequences of Obstructive Sleep Apnea”; Medical Staff Conference, Tripler Medical Center, “Cardiovascular Consequences of Obstructive Sleep Apnea”; Cell Biology Research Conference, “ Post-Translational Processing of Small GTPases and Endothelial Cell Function”

Eleanor Summerhill, M.D.

- ▶ Member, Critical Care Network Steering Committee Education and Simulation Working Groups. American College of Chest Physicians

- ▶ Project Chair and Primary Investigator, Disaster Response Network, American College of Chest Physicians. “Physician Response in the Event of Disaster: A Survey of the ACCP Membership”

INVITED PRESENTATION:

- ▶ American Thoracic Society, 2006 conference. San Diego, CA: “Biotoxins”. Postgraduate Course: “Disaster Medicine: The Medical Response to Terrorism, Natural, and Industrial Catastrophes”

Sean Townsend, M.D.

INVITED PRESENTATIONS:

- ▶ Symposium on Infections in the Critically Ill Patient, 2007 conference, Amsterdam, Netherlands: “Biomarkers in Sepsis: Current Clinical Utility”
- ▶ International Sepsis Symposium, 2007 conference, Sao Paulo, Brazil: “Preliminary analysis of the SSC global data”
- ▶ Critical Care Congress, Society of Critical Care Medicine, Orlando, FL: “Data Collection and Measurement for Sepsis Quality Improvement”

Nicholas S. Ward, M.D.

- ▶ 2006 Presidential Citation for outstanding contributions to the Society of Critical Care Medicine
- ▶ Society of Critical Care Medicine International Program Committee 2006–2009
- ▶ Invited Presentations:
 - ▶ American Thoracic Society, 2006 conference, San Diego, CA: Mini-Symposium: “Rationing in American ICU’s: Results of a national survey” and Poster Discussion “The role of nurse managers in ICU resource allocation”

RESEARCH AND OTHER SCHOLARLY ACTIVITIES

Jason Aliotta, M.D.

- ▶ The Rhode Island ICU Collaborative Committee, ICU Physician Representative. Roger Williams Medical Center. September 2005–November 2006

Sidney Braman, M.D.

- ▶ American College of Chest Physicians, International Nominations Subcommittee (Nov. 2006–Nov. 2007) and Government Relations Committee (2007)
- ▶ American Thoracic Society, Awards Committee (2005–2006)
- ▶ United Nations Environment Programme (UNEP) Medical Technical Options Committee (MTOC) (Appointed 4/1/05–present)

Vera DePalo, M.D.

- ▶ Medical Curriculum Committee and Chairperson, Preclinical Curriculum Committee, The Warren Alpert Medical School of Brown University
- ▶ Editorial Board, Chest Physician, American College of Chest Physicians
- ▶ Workforce Committee, Congressional Action Committee, American Thoracic Society

Elizabeth Harrington, Ph.D.

- ▶ Panel Member, American Heart Association, Northeast 5B Research Program, 2002–2005.
- ▶ Reviewer, COBRE Center for Cancer Research Development Internal Competitive Renewal, Rhode Island Hospital, The Warren Alpert Medical School of Brown University, November 2005
- ▶ Panel Member, American Heart Association, National Research Program, Peer Review Committee, Lung, Resuscitation and Respiration, 4/2006 and 10/2006
- ▶ Ad hoc Member, Merit Review Subcommittee for Respiration, Department of Veterans Affairs, 6/2006 and 6/2007
- ▶ Ad hoc Reviewer, The U.S. Civilian Research & Development Foundation (CRDF), 10/2006
- ▶ Ad hoc Reviewer, Research Career Development Subcommittee for Respiration, Department of Veterans Affairs, 2/2007
- ▶ Ad hoc Reviewer, Heart, Lung, and Blood Program Project Review Committee, NIH, NHLBI, 5/2007

James Klinger, M.D.

- ▶ Study Sections
 - ▶ Cardiovascular Medical Research and Education Fund Peer Review Meeting, Chicago, IL, October 12–13, 2005
 - ▶ National Heart, Lung, and Blood Institute, Special Emphasis Panel, (RFP-NIH-NHLBI-HB-06-06. “Phase II/III trial of Sildenafil for Sickle Cell Disease–Associated Pulmonary Hypertension- Clinical Sites “ ZHL1-CCT-D-C2, March 7–8, 2006
- ▶ Program Committees Assembly on Pulmonary Circulation (2005–2007)

Mitchell Levy, M.D.

- ▶ Senior Editor, Journal of Critical Care

Qing Lu, Ph.D.

- ▶ American Heart Association Northeast Consortium 1B Peer Review Committee, April 2007

- Research & Development Committee, Providence VAMC, 2005–present
- Institutional Animal Care and Use Committee (IACUC), Providence VAMC, 2005–present
- Graduate student, Zhi-Zhan Gu's Ph.D. Thesis Committee, 2005–present

F. Dennis McCool, M.D.

- Member, Promotions Committee, The Warren Alpert Medical School of Brown University
- Board of Directors, RI Lung Association

Linda Nici, M.D.

- Co-chair, Pulmonary Rehabilitation Section of the American Thoracic Society; 2006–2008
- International Advisory Board, CIRO (Centre for Rehabilitation for Patients with Chronic Organ Failure); 2006–present

Sharon Rounds, M.D.

- NIH Member, Data Safety Monitoring Board of Pulmonary Fibrosis Network, NHLBI, 2005–present
- Member, NHLBI Strategic Planning Working Group on Integrative Approaches to Pathogenetic Research, June, 2006
- Member, Special Emphasis Panel on Training Grants (T32), NHLBI, November, 2006
- Member, NHLBI Institutional Training Mechanism Review Committee, January, 2007
- Member, Data Safety Monitoring Board of Specialized Centers for Clinically Oriented Research (SCCOR), NHLBI, 2007–present
- Ad Hoc Reviewer T35 grants, NHLBI, 2007
- Other
- Ad hoc reviewer, Scientific Advisory Board for Parker B. Francis Foundation Fellowships, 2007
- Site Visit Team, Liaison Committee on Medical Education, Michigan State University College of Human Medicine, October 15–19, 2006
- Ad Hoc Reviewer. Tobacco-Related Disease Research Program, University of California, 2007

Eleanor Summerhill, M.D.

- Steering Committee, American Thoracic Assembly of Occupational and Environmental Health, Section on Terrorism and Inhalation Disasters
- Critical Care Network Steering Committee Simulation Working Group, American College of Chest Physicians
- Disaster Response Network, American College of Chest Physicians

Sean Townsend, M.D.

- Innovation Community: Institute for Healthcare Improvement, Improving Outcomes for High-Risk and Critically Ill Patients
- Medical Advisor/Faculty Lead: Institute for Healthcare Improvement, 5 Million Lives Campaign Decreasing Central Line and Ventilator Associated Pneumonia
- Executive Committee, Surviving Sepsis Campaign (joint with the Society of Critical Care Medicine, European Society for Intensive Care Medicine, International Sepsis Forum and the Institute for Healthcare Improvement)

TEACHING ACTIVITIES

Education Honors and Awards

Muhanned Abu-Hijleh, M.D.

- Teacher of the Year Award, Presented by the Brown Pulmonary and Critical Care Medicine Fellows, 2006

Jason Aliotta, M.D.

- Dean's Teaching Excellence Award, Pulmonary Pathophysiology Small Group, The Warren Alpert Medical School of Brown University, Fall 2007

Alice Bonitati, M.D.

- Dean's Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2005

Vera DePalo, M.D.

- Dean's Teaching Excellence Award, The Warren Alpert Medical School of Brown University, Biomed 350: Integrated Pathophysiology and Pharmacology

Kevin Dushay, M.D.

- Dean's Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2006 & 2007

James Klinger, M.D.

- Beckwith Family Award for Outstanding Teaching -2006

Sharon Rounds, M.D.

- Outstanding Mentor Award, Brown University/Women and Infants Hospital, Center of Excellence in Women's Health, February 2006
- Dean's Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2005 & 2006

Eleanor Summerhill, M.D.

- The Warren Alpert Medical School of Brown University Family Residency Program and the American Academy of Family Physicians Teaching Recognition Award

- ▶ Dean's Teaching Excellence Award, The Warren Alpert Medical School of Brown University, Biomed 281: Pulmonary Pathophysiology

Nicholas Ward, M.D.

- ▶ Dean's Teaching Excellence Award, The Warren Alpert Medical School of Brown University
 - ▶ 2007 - 350 Pulmonary Pathophysiology small group and 390 Clerkship in Medicine
 - ▶ 2006 - 350 Pulmonary Pathophysiology small group and 390Clerkship in Medicine

MAJOR TEACHING RESPONSIBILITIES

Alice Bonitati, M.D.

- ▶ Course Director, Rhode Island Thoracic Society Annual Clinical Forum, Providence, RI, April 7, 2006

Sidney Braman, M.D.

- ▶ Program Director, Pulmonary & Critical Care Medicine Fellowship

Gerardo Carino, M.D., Ph.D.

- ▶ Site Director, Critical Care Medicine Fellowship Program, Miriam Hospital

Vera DePalo, M.D.

- ▶ Course Director, Biomed 350: Integrated Pathophysiology/Pharmacology, Section 1, The Warren Alpert Medical School of Brown University

- ▶ Course Director, Biomed 350A: Integrative Pathophysiology, The Warren Alpert Medical School of Brown University

Kevin Dushay, M.D.

- ▶ Co-course director, Biomed 350 Pulmonary Pathophysiology, 2005–present

Richard Millman, M.D.

- ▶ Co-chair, 20th Annual Northeast Sleep Society Meeting, Warwick, RI, March 17–18, 2006
- ▶ Program Director, Sleep Medicine Fellowship. Approved May, 2007 by the ACGME

Sharon Rounds, M.D.

- ▶ Site Director, VA Medical Center for the Brown Pulmonary & Critical Care Medicine Fellowship Program

Eleanor Summerhill, M.D.

- ▶ Director, The Warren Alpert Medical School of Brown University Internal Medicine Residency Program, Memorial Hospital of RI

Nicholas Ward, M.D.

- ▶ Program Director, Pulmonary & Critical Care Medicine Fellowship (Appointed 6/07)
- ▶ Co-course director, Biomed 350 Pulmonary Pathophysiology, 2005–present

GRADUATE PULMONARY/CRITICAL CARE MEDICINE FELLOWS

Name	Medical School	Residency	Postgraduate Plans
Yaser Abu El-Sameed, M.D.	University of Jordan	The Cleveland Clinic Foundation	Affiliated with Rhode Island Hospital
Chee Chan, M.D.	Albany Medical College	UM.D.NJ University Hospital	Academic position at Washington Hospital Center, Georgetown, Medical School, Washington, DC
Matthew Jankowich, M.D.	Ohio State University	Beth Israel Deaconess Medical Center	Affiliated with VA Medical Center, Providence, RI
Patrick Keaney, M.D.	Medical College of Virginia	Beth Israel Deaconess Medical Center	Private practice, Brunswick, ME
Melissa Lee, M.D.	SUNY Buffalo	Brown Medical School, Internal Medicine (RIH)	Private practice, Seattle, WA
Kevin Martin, M.D.	University of Rochester	Beth Israel Deaconess Medical Center	Private practice, Worcester, MA
Michael Polsky, M.D.	University of Florida	Brown Medical School, Internal Medicine (RIH)	Private practice, Richmond, VA
Andrew Stone, M.D., M.P.H.	University of Vermont	Brown Medical School, Internal Medicine (RIH)	Post-fellowship took faculty position at VA Medical Center, Providence, RI

CURRENT PULMONARY/CRITICAL CARE MEDICINE FELLOWS

Name	Medical School	Residency
Frankie Alvarado, M.D.	Universidad Autonoma de Guadalajara	San Juan VA Medical Center
Michael Blundin, M.D.	PA State University College of Medicine	Brown Medical School Internal Medicine (RIH)
Brian Casserly, M.D.	University College Dublin	Tufts New England Medical Center
Sam Faradyan, M.D.	George Washington University	St. Elizabeth Medical Center
Vadim Fayngersh, M.D.	Ben Gurion University	Brown Medical School Internal Medicine (RIH)
Theresa Glidden, M.D.	University of Massachusetts	University of Massachusetts
Sam Hamade, M.D.	Universidad Iberoamericana	SUNY Upstate Medical University
Brian Horner, D.O.	UM.D.NJ/School of Osteopathic Medicine	Temple University Hospital
Wee Lee, M.D.	University of Calgary	St. Vincent's Hospital
Douglas Martin, M.D.	University of Rochester	Brown Medical School Internal Medicine (RIH)
Jeffrey Mazer, M.D.	Tufts University	Brown Medical School Internal Medicine (RIH)
Richard Read, M.D.	McGill University	McGill University

SELECTED PUBLICATIONS

Muhanned Abu-Hijleh, M.D.

- Stanchina ML, Abu-Hijleh M, Chaudhry BK, Carlisle CC, Millman RP. The influence of white noise on sleep in subjects exposed to ICU noise. *Sleep Med* 2005; 6(5):423–428.

Jason Aliotta, M.D.

- Puente N, Aliotta JM, Passero MA. Update on idiopathic pulmonary fibrosis: the role of gamma interferon and cytokines. *Med Health RI* 2007; 90(2):43–45.
- Quesenberry PJ, Colvin G, Dooner G, Dooner M, Aliotta JM, Johnson K. The Stem Cell Continuum: Cell Cycle, Injury, and Phenotype Lability. *Ann NY Acad Sci* 2007; Mar 14 [Epub ahead of print].
- Aliotta JM, Keaney P, Passero M, Dooner MS, Pimentel J, Greer D, Demers D, Foster B, Peterson A, Dooner G, Theise ND, Adedi M, Colvin GA, Quesenberry PJ. Bone marrow production of lung cells: the impact of G-CSE, cardiotoxin, graded doses

of irradiation and subpopulation phenotype. *Exp Hematol* 2006; 34(2):230–41.

- Aliotta JM, Passero MA, Meharg J, Klinger J, Dooner MS, Pimentel J, Quesenberry PJ. Stem cells and pulmonary metamorphosis: new concepts in repair and regeneration. *J Cell Physiology* 2005; 204(3):725–41.

Sidney Braman, M.D.

- Braman SS. Asthma in older adults. *Geriatrics Aging* 2005; 8(6):50–52.
- Braman SS. Postinfectious cough: ACCP evidence-based clinical practice guidelines. *Chest* 2006; 129(1 Suppl):138S–146S.
- Braman SS. Chronic cough due to chronic bronchitis: ACCP evidence-based clinical practice guidelines. *Chest* 2006; 129(1 Suppl):104S–115S.
- Braman SS. Chronic cough due to acute bronchitis: ACCP evidence-based clinical practice guidelines. *Chest* 2006; 129(1 Suppl):95S–103S.
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Gerardo Carino, M.D., Ph.D.

- ▶ Klinger JR, Warburton R, Carino GP, Murray J, Murphy C, Napier M, Harrington EO. Natriuretic peptides differentially attenuate thrombin-induced barrier dysfunction in pulmonary microvascular endothelial cells. *Exp Cell Res* 2006; 312:401–410.

Vera DePalo, M.D.

- ▶ DePalo VA, Mailer K, Yoburn D, Crausman RS. Lactic acidosis associated with Metformin Use for the treatment of type 2 diabetes mellitus. *Geriatrics* 2005; 60:36–41.
- ▶ DePalo VA. Catheter-related bloodstream infection: Can we make it safer for our patients? *Critical Connections* 2006; 5(2):1.
- ▶ Karanth NS, Crausman RS, DePalo VA. Deep venous thrombosis as a consequence of benign prostatic hypertrophy. *Med Health RI* 2005; 88(1):18–19.

Kevin Dushay, M.D.

- ▶ Dushay KM, Walker SD. The National Organ Transplantation Breakthrough Collaborative—A Rhode Island Hospital Perspective. *Med Health RI* 2007; 90:91–93.

Elizabeth Harrington, Ph.D.

- ▶ Harrington EO, Shannon CJ, Morin N, Rowlett H, Murphy C, Lu Q. PKC δ regulates endothelial basal barrier function through modulation of RhoA GTPase Activity. *Exp Cell Res* 2005; 308:407–421.
- ▶ Klinger JR, Warburton RR, Carino GP, Murray J, Murphy C, Napier M, Harrington EO. Natriuretic peptides differentially attenuate thrombin-induced barrier dysfunction in pulmonary microvascular endothelial cells. *Exp Cell Res* 2006; 312:401–10.
- ▶ Harrington EO, Stefanac T, Newton J, Rounds S. Apoptosis causes soluble E-selectin release from activated endothelial cells. *Lung* 2006; 184:259–266.
- ▶ Lu Q, Harrington EO, Jackson H, Morin N, Shannon CJ, Rounds S. TGF- β 1-induced endothelial barrier dysfunction involves SMAD2-dependent p38 activation and subsequent RhoA activation. *J Appl Physiol* 2006; 101:375–384.

James Klinger, M.D.

- ▶ Preston IR, Klinger JR, Houtches J, Nelson D, Farber HW, Hill NS. Acute and chronic effects of sildenafil in patients with pulmonary arterial hypertension. *Respir Med* 2005; 99:1501–10.
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- ▶ Klinger JR, Thaker S, Houtchens J, Preston IR, Hill NS, Farber HW. Pulmonary hemodynamic responses to brain natriuretic peptide and sildenafil in patients with pulmonary arterial hypertension. *Chest* 2006; 129:417–25.
- ▶ Steiner MK, Preston IR, Klinger JR, Criner GJ, Waxman AB, Farber HW, Hill NS. Conversion to bosentan from prostacyclin infusion therapy in pulmonary arterial hypertension: a pilot study. *Chest* 2006; Nov;130(5):1471–80.

Mitchell Levy, M.D.

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- ▶ Lee M.D., Friedenber AS, Mukpo DH, Conray K, Palmisciano A, Levy MM. Visiting hour's policies in New England intensive care units: Strategies for improvement. *Crit Care Med* 2007; 35:497–501.
- ▶ Levy MM. A view from the other side. *Crit Care Med* 2007; 35:603–604.
- ▶ Antonelli M, Levy M, Andrews PJD, Chastre J, Hudson LD, Manthous C, Meduri GU, Moreno RP, Putensen C, Stewart T, Torres A. Hemodynamic monitoring in shock and implications for management—International Consensus Conference, Paris, France, 27–28 April 2006. *Int Care Med* 2007; 33:575–590.

Qing Lu, Ph.D.

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- ▶ Harrington EO, Shannon CJ, Morin N, Rowlett H, Murphy C., Lu Q. PKC δ regulates endothelial basal barrier function through modulation of RhoA GTPase activity. *Exper Cell Res* 2005; 308: 407–421.
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F. Dennis McCool, M.D.

- ▶ Tzelepis GE, Pavleas I, Altarifi A, Omran Q, McCool FD. Expiratory effort enhancement and peak expiratory flow in humans. *Eur J Appl Physiol* 2005; 94: 11–16.

- McCool, FD. Global physiology and pathophysiology of cough. ACCP evidence-based clinical practice guidelines. *Chest* 2006; 129:48S–53S.
- McCool FD, Rosen MJ. Nonpharmacologic airway clearance therapies. ACCP evidence-based clinical practice guidelines. *Chest* 2006; 129:250S–259S.

Richard Millman, M.D.

- Stanchina ML, Abu-Hijleh M, Chaudhry BK, Carlisle CC, Millman RP. The influence of white noise on sleep in subjects exposed to ICU noise. *Sleep Medicine* 2005; 6: 423–428.
- Aloia MS, Arnedt JT, Stanchina M, Millman RP. Early establishment of adherence to PAP in obstructive sleep apnea: Revisiting night-to-night variability. *Behav Sleep Med* 2007; 4: 89–104.

Linda Nici, M.D.

- Nici L, Donner C, Wouters E, ZuWallack R, et al. American Thoracic Society/ European Respiratory Society Statement on Pulmonary Rehabilitation. *Am J Respir Crit Care Med* 2006; 173: 1390–1413.

Sharon Rounds, M.D.

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- Martin K, Rounds S. Pulmonary hypertension. New insights and new hopes. *Respirology* 2006; 11:6–17.
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Eleanor Summerhill, M.D.

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Sean Townsend, M.D.

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Nicholas Ward, M.D.

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- Ward NS. Rationing critical care medicine: recent studies and current trends. *Curr Opin Crit Care* 2005; 11(6):629–632.
- Halpern SD, Sophia A, Hussen SA, Metkus TS, Ward NS, Luce JM, Curtis JR. Development of an e-mail database of US intensive care physicians. *J Crit Care* 2007; 22; 28.



RESEARCH

		Direct	Indirect	Total
TOTAL BASIC RESEARCH EXPENSES FOR PULMONARY	Academic Year 2005	\$529,439	\$0	\$529,439
	Academic Year 2006	\$633,050	\$0	\$633,050
TOTAL CLINICAL RESEARCH EXPENSES FOR PULMONARY	Academic Year 2005	\$685,250	\$182,551	\$867,801
	Academic Year 2006	\$753,217	\$153,878	\$907,095

BASIC RESEARCH

Jason Aliotta, M.D.

- The New Stem Cell Biology Project 4. Roger Williams Medical Center/NCRR

Elizabeth Harrington, Ph.D.

- Endothelium Barrier Function Modulation by PKCdelta. National Institutes of Health
- p190RhoGAP & PKC: Investigating the Role of Endothelial Function. American Heart Association Pre-doctoral Fellowship

- ▶ Signaling Mechanisms Regulating Hypoxic Pulmonary Microvascular Endothelium - Project 0005. Department of Veterans Affairs - Merit Review

James Klinger, M.D.

- ▶ Natriuretic Peptides in Pulmonary Endothelial Barrier Function. NIH/National Heart, Lung, and Blood Institute

Qing Lu, PhD

- ▶ The Mechanism of Transforming Growth Factor for Regulation of Endothelial Monolayer Permeability. ALA
- ▶ Transforming Growth Factor- β 1 and Endothelial Monolayer Permeability. Francis Family Foundation
- ▶ Transcriptional Regulation of TGF- β 1- Induced Endothelial Barrier Dysfunction

Sharon Rounds, M.D.

- ▶ Rho and Ras GTPase and Lung Endothelial Apoptosis. NHLB
- ▶ Small GTPases and Lung Endothelial Apoptosis VA Merit Review
- ▶ Short Term Training Program to Increase Diversity in Health-Related Research (R25). NHLB

CLINICAL RESEARCH

Muhanned Abu-Hijleh, M.D.

- ▶ A Prospective, Randomized, Controlled Multicenter Clinical Trial to Evaluate the Safety and Effectiveness of the IBVtm Valve System for the Treatment of severe Emphysema. Spiration, Incorporated

Sidney Braman, M.D.

- ▶ A Multicenter 3 Year Longitudinal Prospective Study to Identify Novel Endpoints and Compare These with Forced Expiratory Volume in 1 second (fev1) For Their Ability to measure and Predict COPD Severity and its Progression Over Time. GlaxosmithKline
- ▶ A Randomized Double Blind Placebo Controlled Parallel Group Trial Assessing Rate of Decline of Lung Function with Tiotropium 18 Mcg Capsule Once Daily in Patients with Chronic Obstructive Pulmonary Disease (COPD). Boehringer Ingelheim

Allan Erickson, M.D.

- ▶ Isolated Low DLCO as an Early Indicator of Parenchymal Lung Disease

James Klinger, M.D.

- ▶ The Role of Natriuretic Peptide in Right Ventricular Hypertrophy AHA
- ▶ Effects of Combination of Bosentan and Sildenafil Versus Sildenafil Monotherapy on Morbidity and Mortality in Symptomatic Patients with pulmonary Arterial Hypertension- A Multicenter, Double-blind, randomized, Placebo-controlled, parallel group, prospective, event driven Phase IV. Actelion, Incorporated
- ▶ Registry to Evaluate Early and Long-term PAH Disease Management (REVEAL REGISTRY). Coherix
- ▶ An International, Multicenter, randomized, Double-blind, double-dummy, parallel group, a study of 3 month or 6 month treatment with SSR126517E (3.0mg s.c. once weekly) versus oral INR-adjusted warfarin in the treatment of patients with symptomatic pulmonary embolism, with or without symptomatic deep venous thrombosis. Gilead Colorado, Incorporated
- ▶ AMB-323: A Phase 3, Long-term, Open-label, Multicenter Safety and Efficacy Study of Ambrisentan in Subjects with Pulmonary Hypertension. Coherix
- ▶ A Randomized, Double-blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of the Addition of Inhaled Iloprost in Patients with Pulmonary Arterial Hypertension Receiving Oral Sildenafil. Gilead Colorado, Incorporated
- ▶ A Phase 2, Open-label, Multicenter Study evaluating Ambrisentan Subjects with Pulmonary Arterial Hypertension Who Have Previously Discontinued Endothelin Receptor Antagonist Therapy Due to Serum Aminotransferase Abnormalities. Gilead Colorado, Incorporated
- ▶ A Multi-Center, Multinational, Long-Term, Open-Label Extension Study, to Assess the Safety of Subject Optimised Treatment Regimens of Oral Sildenafil when Used in Combination with Intravenous Prostacyclin (epoprostenol), for Pulmonary Arterial Hypertension in Subjects who have Completed Study A1481141. Pfizer, Incorporated
- ▶ Pulmonary Arterial Hypertension Quality Enhancement research Initiative (QuERI). Actelion, Incorporated
- ▶ A Randomized, Double-blind, Placebo-Controlled Phase 3 Study of the Phosphodiesterase Type 5 (PDE5) Inhibitor Tadalafil in the treatment of Patients with Pulmonary Arterial Hypertension (LVGY); and an Open-Label Extension study (LVGX). Lilly ICOS LLC
- ▶ Prospective Study of the Transition from Intravenous Epoprostenol to Subcutaneous Treprostinil. New England Medical Center/ United Therapeutic

- ▶ A Long - term Study of Ambrisentan in Pulmonary Arterial Hypertension Subjects having completed AMB-320 or AMB-321. Myogen, Inc.
- ▶ Acute pulmonary hemodynamic effects of sildenafil and nesiritide versus sildenafil alone in adult patients with pulmonary arterial hypertension. Scios Nova, Inc
- ▶ Pulmonary Hemodynamic Effects of B-Type Natriuretic Peptide Infusion in Patients with Pulmonary Arterial Hypertension. Scios Nova, Inc
- ▶ Development of a Hospital-Based Program for the use of Nitric Oxide for Inhalation in the Chronic Management of Severe Cardiopulmonary Diseases. INO Therapeutics, Inc.
- ▶ A Phase III, Randomized, Double-Blind, Placebo-Controlled, Multicenter, Efficacy Study of Ambrisentan in Subjects with Pulmonary Arterial Hypertension. Myogen, Inc.
- ▶ A Multi-Center, Open Label, 8 Week Evaluation of Topical/Systemic Anti-Inflammatory Pre-Treated or Catheter Pre-Placement on the Infusion Site Reaction Associated with Subcutaneous Remodulin Administration. United Therapeutics

Mitchell Levy, M.D.

- ▶ An Evaluation of Vasopressor Requirement, Hemodynamic Response and Measures of Tissue Perfusion with the Administration of Drotrecogin Alfa (activated) as Part of Physician-Directed therapy in Patients with Septic Shock. Eli Lilly and Company
- ▶ ProBac- Use of Procalcitonin level as part of a decision tree to discontinue antibiotics when started empirically in the ICU in hemodynamically stable patients with no site of infection identified. Brahms Aktiengesellschaft
- ▶ A Phase 3, Multicenter, Randomized, Placebo-Controlled, Double-Blind, Three-Arm Study to Evaluate the Safety and Efficacy of Tifacogen (Recombinant Tissue Factor Pathway Inhibitor) Administration in Subjects with Severe Community-Acquired Pneumonia. Chiron Corporation
- ▶ Evaluation of Efficacy and safety of Epoetin Alfa in Critically Ill Subjects. Johnson & Johnson Inverventional Systems
- ▶ Evaluation of PEEP Titration in Acute Lung Injury. Siemens-Elementa AB
- ▶ Early Goal Directed Therapy - Collaborative ED/ICU Protocol Study. Edwards Lifesciences

- ▶ A Double Blind, Placebo Controlled, Study of E5665, a Lipid Antagonist, Administered by Twice Daily Intravenous Infusions in Patients with Severe Sepsis. Eisai, Incorporated
- ▶ Clinical Coordinating Center for A Phase 3, Multicenter, Randomized, Placebo-Controlled, Double-Blind, Three-Arm Study to Evaluate the Safety and Efficacy of Tifacogen (Recombinant Tissue Factor Pathway Inhibitor) Administration in Subjects with Severe Community Acquired Pneumonia. Chiron Corporation
- ▶ ICU Peer Group for End-of-Life Care. Robert Wood Johnson Foundation
- ▶ Measuring the Quality of End-of-Life Care in the Intensive Care Unit. Robert Wood Johnson Foundation

Richard Millman, M.D.

- ▶ Motivating Adherence to CPAP in Obstructive Sleep Apnea Brown University
- ▶ The Effects of Weight Loss on Sleep Apnea in Patients with Type II Diabetes. Temple University
- ▶ Sleep Apnea in Show Participants. University of Pennsylvania/nhlbi

Linda Nici, M.D.

- ▶ A Multicenter Study to Evaluate the Utility of Pedometer Activity Measurement for Pulmonary Rehabilitation . Boehringer Ingelheim
- ▶ A Randomized, Double-Blind, Double-Dummy, Parallel Group Trial Comparing 12 Weeks Treatment with Tiotropium Once Daily to Combivent QID in COPD Patients Currently Prescribed Combivent

Michael Stanchina, M.D.

- ▶ Cardiac Pacing and Sleep Disorder Breathing. St. Jude Medical

Nicholas Ward, M.D.

- ▶ The Role of Activated Protein C in the Compensatory Anti-inflammatory Response. Eli Lilly and Company

RHEUMATOLOGY

OVERVIEW

In March 2005, Dr. Edward Lally was appointed as the Director of the Division of Rheumatology at Rhode Island Hospital, the Miriam Hospital, and The Warren Alpert School of Medicine at Brown University. Since assuming the role as Division Director, Dr. Lally has focused on Division growth and the implementation of new programs. The primary goals of the Division of Rheumatology are to provide excellent comprehensive patient care as well as to advance an academic mission. The Division has been committed to providing Fellowship Training in Rheumatology, teaching of medical students and residents as well as involvement in clinical research. Furthermore, with the full support of Dr. Edward Wing, the Division is embarking on a program of basic science research, the groundwork for which has been laid over the past two years.

In June 2006, the Division of Rheumatology occupied new space in suite 370 of the Medical Office Center at 2 Dudley Street. The space encompasses patient care and other clinical activities as well as providing facilities for teaching and instruction. Included in the new Division space, are administrative offices for the Administrative Assistant and Fellowship Program Coordinator, Kathy Poland, as well as a conference room, a Fellows office and a Division of Rheumatology Library. There are currently plans to expand the clinical activities to include an Infusion Center for the provision of high quality, contemporary rheumatologic care as well as to lay the ground work for a possible clinical trials center. The new Rheumatology space is located contiguous to new clinical and administrative office space of the Department of Orthopedic Surgery. This arrangement in Suite 370 will allow for closer collaboration between the Division of Rheumatology and the Department of Orthopedic Surgery, both in terms of clinical care as well as teaching and research.

When Dr. Lally began his tenure as the Division Director, he submitted an application for a new accredited Rheumatology Fellowship Training Program based at Rhode Island Hospital and affiliated with the Brown Medical School. This application was submitted in 2006. In January 2007, the Division received notification that the application for Rheumatology Fellowship Training was approved as an accredited program through the ACGME. Dr. Lally is pleased to announce that the first Brown Fellow in this new program will begin on July 1, 2007. The program will ultimately have two Fellows, one in each year.

The Division of Rheumatology has also identified space in the CORO Building to initiate a Rheumatology Research Laboratory. This space will be adjacent to the existing



Edward V. Lally, M.D., Associate Professor of Medicine, Division Director, Rheumatology

Orthopedic Research Laboratory located on the fourth floor of CORO West. As this project is developed, Dr. Lally will be recruiting basic scientists to work in this laboratory space and to potentially collaborate with other investigators including those in the Department of Orthopedic Surgery. It is the expectation of Dr. Lally that the Division of Rheumatology will blossom into a mature academic division with expertise in patient care, Fellowship Training, medical student and resident teaching, clinical research and basic science research. It is also anticipated that the Rheumatology framework will encompass collaborations with other Divisions within the Department of Medicine as well as other Departments including the Department of Orthopedic Surgery.

FACULTY MEMBERS

FULL TIME FACULTY (Hospital or Foundation Based)

Edward V. Lally, M.D., Director, Division of Rheumatology, Associate Professor of Medicine, Brown Medical School, University Medicine Foundation

Stuart Schwartz, M.D., Clinical Assistant Professor, Rhode Island Hospital, University Medicine Foundation.

VOLUNTEER FACULTY

Yousaf Ali, M.D., Clinical Instructor, Rhode Island Hospital

John Conte, M.D., Clinical Assistant Professor, Rhode Island Hospital

Harold Horwitz, M.D., Clinical Assistant Professor, Miriam Hospital

Iulia Grillo, M.D., Clinical Assistant Professor of Medicine, Memorial Hospital of Rhode Island

ADJUNCT FACULTY

- Bernard Zimmermann, M.D.**, Adjunct Associate Professor, Roger Williams Medical Center
- Nuha Said, M.D.**, Roger Williams Medical Center
- Harold A. Hall, M.D.**, Roger Williams Medical Center
- Ali Yalcindag, M.D.**, Director, Pediatric Rheumatology, Hasbro Children's Hospital
- Clinton O. Chichester, Ph.D.**, Professor and Chairman, Department of Biomedical & Pharmaceutical Sciences, University of Rhode Island

RESEARCH AND OTHER SCHOLARLY ACTIVITIES

The Division of Rheumatology is an active participant in the Scleroderma Clinical Trials Consortium, a multi-center international therapeutics group, investigating newer treatments for scleroderma. Dr. Lally is currently the Chairman of the Publication/Web Sub-Committee of the SCTC. The Division is actively collaborating with Dr. James Klinger in the Division of Pulmonary Medicine to study pulmonary hypertension in the connective tissue diseases especially in scleroderma. It is anticipated that the Division of Rheumatology will be actively involved in future trials that are administered through the Scleroderma Clinical Trials Consortium of which Rhode Island Hospital and Brown University is a charter member.

Dr. Lally, in addition, has ongoing clinical trials with Dr. Vincent Falanga from the Department of Dermatology at Roger Williams Medical Center investigating the role of topical stem cell administration to treat severe digital ulcers.

TEACHING ACTIVITIES

The Division of Rheumatology is directly involved in teaching the Supporting Structures course at Brown Medical School. This is a second year pathophysiology course consisting of Rheumatology, Orthopedic Surgery and Dermatology. Dr. Schwartz has been the course director for this course and has received outstanding evaluations by the students in the second year of medical school. In addition, Dr. Schwartz has

received the Brown Medical School Dean's Teaching Excellence Award in recognition of exemplary teaching in BioMed 351 Pathophysiology/Supporting Structures for both 2005–2006 and 2006–2007. In addition to medical student teaching, Dr. Schwartz and Dr. Lally both have provided mentoring opportunities for medical students and residents. Dr. Schwartz has maintained a second site office-based rotation for a medical resident for the past several years. Dr. Lally will embark on a similar second site experience for a medical resident beginning July 1, 2007. Dr. Lally and Dr. Schwartz provide teaching of house staff in the setting of the noon conference series throughout the year.

At The Miriam Hospital, housestaff teaching is provided by Drs. Horwitz, Conte and Ali, who also provide teaching to the Rheumatology Fellows in the context of Rheumatology Grand Rounds. Dr. Iulia Grillo has recently joined the Division of Rheumatology and is based at The Memorial Hospital of Rhode Island. She provides teaching opportunities for the medical residents at the Memorial Hospital both in the clinic setting and as well as providing house staff conferences.

The Faculty of the Division of Rheumatology not only attend on the medical service but provide teaching at board review courses, Morbidity & Mortality conferences and Medical Grand Rounds across the entire Brown system.

CLINICAL RESEARCH

Stuart Schwartz, M.D.

- ▶ Cardiovascular safety of non-steroidal anti-inflammatory medications in rheumatoid arthritis and osteoarthritis (PRECISION Trial) Sponsor: INC Research.
- ▶ Rheumatoid Arthritis DMARD Intervention and Utilization Study. Sponsor: Immunex Corporation

Edward Lally, M.D.

- ▶ Autologous stem-cell application for digital ulcers in scleroderma patients.
- ▶ Evaluation of therapeutic protocols for pulmonary hypertension and intestinal pulmonary fibrosis in the setting of scleroderma

RHEUMATOLOGY FELLOWSHIP PROGRAM

Departing Fellows

Name	Medical School	Residency	Postgraduate Plans
Michelle Costa, DO	University of North Texas Health Science Center, Texas College of Osteopathic Medicine	Brown University, Memorial Hospital of Rhode Island	Faculty Falmouth Hospital

New Fellow

Jill McClory, M.D.	American University of the Caribbean, St. Maarten, NA, Doctor of Medicine	Boston University, Roger Williams Medical Center
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PROVIDENCE VA MEDICAL CENTER

OVERVIEW

The Department of Medicine of The Warren Alpert Medical School of Brown University has two components at the Providence VA Medical Center—the Medical Service and the Primary Care Service. Sharon Rounds, M.D., is Chief of the Medical Service, Thomas O’Toole, M.D., is Chief of the Primary Care Service Line, and Satish Sharma, M.D., is Chief of the Medical Subspecialty and Acute Care Service Line for both the Providence VAMC and for the New England region (VISN 1).

The Medical Service and Primary Care faculty in Internal Medicine include physicians with both full-time and part-time VA staff appointments. Some services also use volunteer and contract physician staff with Brown faculty appointments in the Department of Medicine. VA-based faculty are highly integrated within all divisions of the Brown Department of Medicine. The Department of Medicine at the VA includes 12 faculty with academic (“full-time”) faculty appointments and 21 clinical voluntary faculty, plus 2 adjunct faculty. At the VA, the Medical Service is also responsible for Neurology and Dermatology services, with physician staff with Brown faculty appointments in Clinical Neuroscience and Dermatology.

The Medical Service at the PVAMC is responsible for all inpatient care and for medical subspecialty clinics. There are 4 Teaching Teams, manned by house-staff from the Rhode Island/Miriam/VA program and by house-staff from the Memorial Hospital of Rhode Island. Each teaching team works with a hospitalist attending. The non-teaching team consists of a physician, a nurse practitioner and a physician’s assistant. In 2007–08 there were 2028 admissions to the Medical Service and 31,982 visits to medical subspecialty clinics (plus Dermatology and Neurology).

The Medical Service at the Providence VAMC is also responsible for all medical subspecialty, dermatology, and neurology outpatient clinics. An important initiative recently has been “Advanced Clinic Access”, a management tool whereby clinics meet the VA goal of New Patient and Established Patient appointments within 30 days of

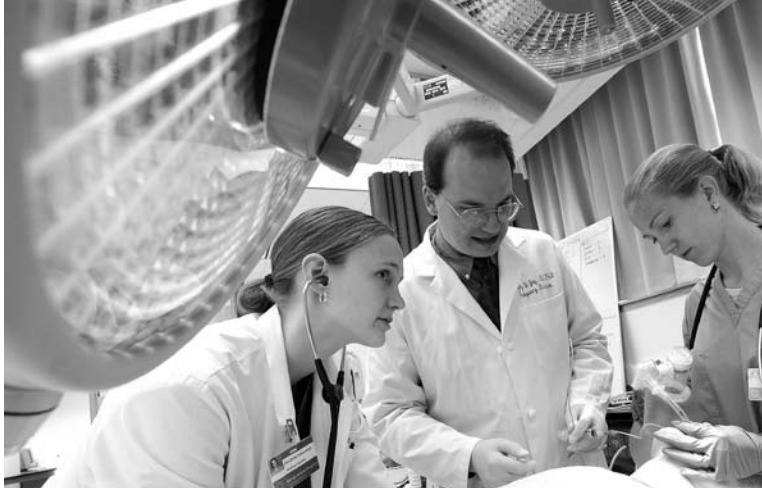


Sharon Rounds, M.D., Professor of Medicine and Chief of the Medical Service, VA Medical Center

the requested date. Great strides have been made in achieving these goals in most medical subspecialty and in all primary care clinics.

The Primary Care service at the Providence VA Medical Center provides primary care to 30,000 veterans at the Providence VA site and in three community-based clinics in Middleton, RI, New Bedford, MA and Hyannis, MA. Each site incorporates multidisciplinary care teams that include physicians, nurse practitioners, nurses, social workers, pharmacists, dietitians and health techs that address chronic disease management, tele-health and remote health care needs, along with case and care coordination. In Providence there are 18 general internists of whom 16 have faculty appointments at Brown. Primary care serves as a clerkship training site for MSIII students doing their medicine ambulatory care rotation and is also a site for several ongoing clinical studies, including the ATHENA hypertension study and the returning veterans re-integration study. New initiatives in primary care at PVAMC include development of a comprehensive homeless clinic for veterans which opened in November, 2006.

In 2006–07 the Medical and Primary Care Services at the VA instituted a very popular Continuing Medical Education program entitled “Update in Internal Medicine”. This conference series has featured outstanding speakers from both within and outside the Department of Medicine who have provided clinical updates on a variety of topics important to internists.



Another educational innovation the 2006–07 academic year has been “Health Policy Rounds”, a weekly seminar for house-staff, students, and attendings on health policy issues, led by Dr. Amal Trivedi, Assistant Professor of Community Health and Medicine at Brown. This seminar series has been very highly rated by all attendees.

In the area of research, the VA Department of Medicine faculty members excel in basic science research with an outstanding Vascular Research Laboratory with about \$1 million per year in direct costs for research from a variety of sources, including NHLBI, VA, and private foundations. The Vascular Research Laboratory investigators are Sharon Rounds, Beth Harrington, Jim Klinger, Qing Lu, and Guarav Choudhary. Another important area of research excellence is health services research, led by the VA Targeted Research Enhancement Program (TREP) grant investigators. Peter Friedmann, Wen-Chih (“Hank”) Wu, Paul Pirraglia, and colleagues in Psychiatry and Behavioral Medicine and Community Health have done an outstanding job building a health services research program. Another key area of research is Gastroenterology, in conjunction with Lifespan colleagues. Clinical trials research is outstanding with Dermatology and Pulmonary Rehabilitation research leading the way. We anticipate further enhancements of clinical research at the PVAMC as we welcome outstanding neurologists who are funded experts in neurology rehabilitation research.

FACULTY MEMBER LISTING

Gaurav Choudhary, M.D., Assistant Professor of Medicine
Melissa Gaitanis, M.D., Assistant Professor of Medicine
Harald Hall, M.D., Adjunct Assistant Professor of Medicine

Elizabeth O. Harrington, PhD, Associate Professor of Medicine

Matthew Jankowich, M.D., Instructor in Medicine

Qing Lu, PhD, Assistant Professor of Medicine

Thomas P. O’Toole, M.D., Associate Professor of Medicine

Paul A. Pirraglia, M.D., Assistant Professor of Medicine

Kittichai Promrat, M.D., Assistant Professor of Medicine

Sharon Rounds, M.D., Professor of Medicine and of Pathology and Laboratory Medicine

Satish Sharma, M.D., Professor of Medicine

Victor Shin, M.D., Assistant Professor of Medicine

Amal Trivedi, M.D., Assistant Professor of Community Health and Medicine

Martin A. Weinstock, M.D., Professor of Dermatology

Wen-Chih (“Hank”) Wu, M.D., Assistant Professor of Medicine

Bernard Zimmermann, M.D., Adjunct Associate Professor of Medicine

VOLUNTEER FACULTY

Khaja Ahmed, M.D., Clinical Assistant Professor of Medicine

Tanya Ali, M.D., Clinical Assistant Professor of Medicine

Jeffrey Austerlitz, M.D., Clinical assistant professor

Dawna Blake, M.D., Clinical Assistant Professor of Medicine

Nancy Burnside, M.D., Clinical Assistant Professor of Dermatology

Amos Charles, M.D., Clinical Assistant Professor of Medicine

Patricia Cristofaro, M.D., Clinical Assistant Professor of Medicine

David Fortunato, M.D., Clinical Associate Professor of Medicine

Nancy Freeman, M.D., Clinical Associate Professor of Medicine

Peter Friedmann, M.D., MPH - Associate professor of medicine

Thomas Jamieson, M.D., Clinical Assistant Professor of Medicine

Thomas Jean, M.D., Clinical instructor

Guang Hu, M.D., Clinical assistant professor

Brian Kimble, M.D., Clinical Assistant Professor of Medicine

Thomas Long, M.D., Clinical Associate Professor of Dermatology

Steven Mernoff, M.D., Clinical Assistant Professor of Clinical Neuroscience

Paul Murphy, M.D., Clinical assistant professor

Linda Nici, M.D., Clinical Associate Professor of Medicine

Jessica Outwater, M.D., Clinical Assistant Professor of Medicine

Lorna Russell, M.D., Clinical instructor

Parviz Shavandy, M.D., Clinical instructor

Barbara Weil, M.D., Clinical Assistant Professor of Medicine

Karen Woolfall-Quinn, M.D., Clinical instructor

NATIONAL AND INTERNATIONAL HONORS AND RECOGNITION OF FACULTY

Elizabeth O. Harrington, PhD

- ▶ Elected member, Nominations Committee, Pulmonary Circulation Section, American Thoracic Society
- ▶ Featured Abstract, Pulmonary Circulation Section, American Thoracic Society International Conference

Thomas Long, M.D.

- ▶ Member, Editorial Board, Journal of the American Academy of Dermatology

Linda, Nici, M.D.

- ▶ Board of Directors, American Association of Cardiovascular and Pulmonary Rehabilitation
- ▶ Editorial Board, Chronic Respiratory Disease
- ▶ Co-Chair, Joint American Thoracic Society/European Respiratory Society Statement on Pulmonary Rehabilitation

Thomas P. O'Toole, M.D.

- ▶ Gold Humanism Honor Society, Biennial meeting, Workshop presentation: "Developing leaders as advocates for change"
- ▶ AOA Visiting Professorship, University of Puerto Rico School of Medicine

Sharon Rounds, M.D.

- ▶ Invited Speaker, Japanese Respiratory Society
- ▶ Visiting Professor, Department of Medicine, University of Hawai'i John Burns School of Medicine
- ▶ Dr. Thomas A. Neff Lecturer, University of Colorado School of Medicine

Amal Trivedi, M.D.

- ▶ Pfizer Health Policy Scholar
- ▶ Milton Hamolsky Faculty Award, Awarded for highest rated scientific abstract by junior faculty at the 2007 Society of General Internal Medicine Annual Meeting
- ▶ Nominee, AcademyHealth Article of the Year Award
- ▶ Most Outstanding Abstract, Academy Health Annual Research Meeting

Barbara Weil, M.D.

- ▶ Providence Veterans of Foreign Wars Healthcare Employee Award
- ▶ Disabled American Veterans (DAV) Physician's Award

Martin A. Weinstock, M.D.

- ▶ President-elect, Medical Dermatology Society
- ▶ American Academy of Dermatology Astellas Award (for contributions to public health in dermatology through scientific research)

RESEARCH AND OTHER SCHOLARLY ACTIVITIES

Gaurav Choudhary, M.D.

- ▶ Assistant Professor of Medicine
- ▶ Member, American Heart Association New England Affiliate Peer Review Committee

Elizabeth O. Harrington, PhD

- ▶ Panel Member, American Heart Association, National Research Program, Peer Review Committee, Lung, Resuscitation and Respiration
- ▶ Member, Merit Review Subcommittee for Respiration, Department of Veterans Affairs
- ▶ Ad hoc Reviewer, The U.S. Civilian Research & Development Foundation (CRDF)
- ▶ Ad hoc Reviewer, Research Career Development Subcommittee for Respiration, Department of Veterans Affairs
- ▶ Ad hoc Reviewer, Heart, Lung, and Blood Program Project Review Committee, NIH, NHLBI

Qing Lu, PhD

- ▶ Member, American Heart Association Northeast Consortium 1B Peer Review Committee

Linda, Nici, M.D.

- ▶ Co-chair, Pulmonary Rehabilitation Section of the American Thoracic Society

- Member, International Advisory Board, Centre for Rehabilitation for Patients with Chronic Organ Failure

Paul A. Pirraglia, M.D.

- Co-Chair, Scientific Abstract Review Committee, SGIM NE Regional Meeting
- Moderator, Scientific Abstract Oral Presentations, SGIM NE Regional Meeting
- Abstract Reviewer, SGIM National and NE Regional Meetings

Kittichai Promrat, M.D.

- Member, Review Panel Committee: The Dr. George A. Bray Research Scholars Award Fund
- Member, NIDDK Safety Monitoring Committee, 1-R01-DK-068598-01A1
- GI clinical champion, National VA Colorectal Cancer Care Collaborative

Sharon Rounds, M.D.

- Member, Data Safety Monitoring Board of Pulmonary Fibrosis Network, NHLBI
- Member, NHLBI Institutional Training Mechanism Review Committee
- Member, Data Safety Monitoring Board of Specialized Centers for Clinically Oriented Research (SCCOR), NHLBI
- Ad Hoc Reviewer T35 grants, NHLBI
- Ad hoc reviewer, Scientific Advisory Board for Parker B. Francis Foundation Fellowships
- Site Visit Team, Liaison Committee on Medical Education, Michigan State University College of Human Medicine
- Reviewer, Tobacco-Related Disease Research Program, University of California

Martin A. Weinstock, M.D.

- Chairman, Dermatology Field Advisory Committee, Department of Veterans Affairs, Washington, DC
- Ad hoc reviewer, Health Services Organization and Delivery (HSOD) study section
- Reviewer, Arthritis, Connective Tissue and Skin (ACTS) study section

TEACHING ACTIVITIES

EDUCATION HONORS/TEACHING RESPONSIBILITIES

- The Providence VA Medical and Primary Care Services train residents in internal medicine and

dermatology (The Rhode Island Hospital/Miriam/VA program and The Memorial Hospital of Rhode Island program) and fellows in cardiology, gastroenterology, infectious diseases, nephrology, pulmonary/critical care, and rheumatology.

Khaja Ahmed, M.D.

- Dean's Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2005

Amos Charles, M.D.

- Internal Medicine Residency Attending Teaching Award (2005, 2006), 2005–06
- Profiles in Competence Award (Medical Student Graduating Class), 2005, 2007
- Multiculturalism Award, 2007
- Outstanding Faculty Award, 2006
- Hooder for the M.D. Class of 2007, 2007
- Teaching Leadership:
 - Site Director, Clerkship in Internal Medicine, 2005–07
 - Site Director, Internal Medicine Residency, 2007

Gaurav Choudhary, M.D.

- Dean's Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2006

Brian Kimble, M.D.

- Teaching Recognition Award, 2007
- Dean's Teaching Excellence Awards, The Warren Alpert Medical School of Brown University, 2005–07

Thomas Long, M.D.

- TEACHING LEADERSHIP:
- Residency Program Director, Dermatology

Kittichai Promrat, M.D.

- Excellence in Teaching Award, Gastroenterology Fellowship Program, Brown Medical School, 2005

Sharon Rounds, M.D.

- Outstanding Mentor Award. Brown University/ Women and Infants Hospital, Center of Excellence in Women's Health, 2006
- Dean's Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2005–06, 2006–07

Barbara Weil, M.D.

- Teaching Recognition Award, The Warren Alpert Medical School of Brown University, 2006

Wen-Chih Wu, M.D.

- Dean's Teaching Excellence Award, The Warren Alpert Medical School of Brown University, 2001–2003
- Teacher of Year Award, Combined Program in Cardiovascular Diseases, Brown Medical School, 2002–2005
- Teaching Leadership:
- Course Co-leader Cardiac Pathophysiology, 2002–

SELECTED PUBLICATIONS**Gyorgy Baffy, M.D.**

- Baffy G. Uncoupling protein-2 and non-alcoholic fatty liver disease. *Front Biosci* 2005 ; 10: 2082–2096.
- Derdák Z, Fülöp P, Sabo E, Tavares R, Berthiaume EP, Resnick MB, Paragh G, Wands JR, Baffy G. Enhanced colon tumor induction in uncoupling protein-2 deficient mice is associated with NF- κ B activation and oxidative stress. *Carcinogenesis* 2006; 27:956–961.
- Hyatt P, Resnick MB, Habr F, Baffy G. Image of the month: Brunner's gland hamartoma. *Clin Gastroenterol Hepatol* 2006; 4: A26.
- *Fülöp P, *Derdák Z, Sheets A, Sabo E, Berthiaume E, Resnick M, Wands JR, Paragh G, Baffy G. (*Equal contribution) Lack of UCP2 reduces Fas-mediated liver injury in ob/ob mice and reveals importance of cell-specific UCP2 expression. *Hepatology* 2006; 44:592–601.

Gaurav Choudhary, M.D.

- Ohad Ziv and Gaurav Choudhary. Atrial Fibrillation. *Prim Care*. 2005 Dec;32(4):1083-107
- Wen-Chih Wu, M.D.; Satish C. Sharma, M.D., FACC; Gaurav Choudhary, M.D.; Linda Coulter, RN; Elizabeth Coccio, RN; and Charles B. Eaton, M.D., FAHA. Flow Mediated Vasodilation Predicts the Presence and Extent of Coronary Disease Assessed by Stress Thallium Imaging. *Journal of Nuclear Cardiology*. 2005 Sep–Oct; 12(5):538–44

Elizabeth O. Harrington, PhD

- Harrington, EO, Shannon, CJ, Morin, N, Rowlett, H, Murphy, C, Lu, Q. PKC δ regulates endothelial basal barrier function through modulation of RhoA GTPase Activity. *Experimental Cell Research* 2005. 308:407–421.
- Klinger, JR, Warburton, RR, Carino, GP, Murray, J, Murphy, C, Napier, M, Harrington, EO. Natriuretic peptides differentially attenuate thrombin-induced barrier dysfunction in pulmonary microvascular

endothelial cells. *Experimental Cell Research* 2006. 312:401–10.

- Harrington*, EO, Stefanac*, T, Newton, J, Rounds, S. Apoptosis causes soluble E-selectin release from activated endothelial cells. *Lung* 2006; 184:259–266.
- Lu, Q, Harrington, EO, Jackson, H, Morin, N, Shannon, CJ, Rounds, S. TGF- β 1-induced endothelial barrier dysfunction involves SMAD2-dependent p38 activation and subsequent RhoA activation *Journal of Applied Physiology* 2006; 101:375–384.
- Lu, Q, Harrington, EO, Newton, J, Jankowich, M, Rounds, S. Inhibition of CMT induces endothelial cell apoptosis through GRP94. *American Journal of Respiratory Cell and Molecular Biology* 2007; 37:20–20, 2007.

Qing Lu, DVM, PhD

- Lu Q, Harrington EO and Rounds S. Apoptosis and lung injury. *Keio Journal of Medicine*. 2005; 54 (4): 184–189.
- Harrington EO, Shannon CJ, Morin N, Rowlett H, Murphy C. and Lu Q. PKC δ regulates endothelial basal barrier function through modulation of RhoA GTPase activity. *Experimental Cell Research*, 2005; 308: 407–421.
- Lu Q, Harrington EO, Jackson H, Morin N, Shannon CJ, and Rounds S. Transforming growth factor- β 1-induced endothelial barrier dysfunction involves SMAD2-dependent p38 activation and subsequent RhoA activation. *Journal of Applied Physiology*, 2006; 101: 375–384.
- Lu Q, Harrington EO, Newton J, Jankowich M, and Rounds S. Inhibition of ICMT induces endothelial cell apoptosis through GRP94. *American Journal of Respiratory Cell and Molecular Biology*, 2007; 37:20–30.

Linda Nici, M.D.

- Nici, L, C Donner, E Wouters, R ZuWallack et al. American Thoracic Society / European Respiratory Society Statement on Pulmonary Rehabilitation. *Am J Respir Crit Care Med*. 2006; 173: 1390–1413.

Thomas P. O'Toole, M.D.

- Pollini RA, O'Toole TP, Ford D, Bigelow G. Does this patient really want treatment? Factors associated with baseline and evolving readiness for change among hospitalized substance using adults interested in treatment. *Addictive Behaviors* 2006 Oct;31(10):1904–18.
- O'Toole TP, Conde-Martel A, Young H, Cohen J, Bigelow G, Ford DE. Managing acutely ill substance

abusing patients in an integrated day hospital outpatient program: medical therapies, complications, and overall treatment outcomes. *J Gen Intern Medicine* 2006 Jun;21(6):570–6.

- O'Toole TP, Pollini RA, Ford D, Bigelow G. Physical health as a motivator for substance abuse treatment: is it enough to keep them in treatment? *J Subst Abuse Treat.* 2006 Sep;31(2):143–50

Paul A. Pirraglia, M.D.

- Stein M, Herman DS, Trisvan E, Pirraglia P, Engler P, Anderson BJ. Alcohol use and sexual risk behavior among human immunodeficiency virus-positive persons. *Alcoholism: Clinical & Experimental Research*, 2005; 29(5):837–843.
- Pirraglia PA, Bishop D, Herman D, Trisvan E, Lopez RA, Torgersen CS, Van Hof AM, Anderson BJ, Miller I, Stein M.D.. Caregiver burden and depression among informal caregivers of HIV-infected individuals. *Journal of General Internal Medicine*, 2005; 20(6):510–514.
- Pirraglia PA, Charbonneau A, Kader B, Berlowitz DR. Adequate initial antidepressant treatment among chronic obstructive pulmonary disease patients in a cohort of depressed veterans. *The Primary Care Companion to the Journal of Clinical Psychiatry* 2006; 8(2):71–76.
- Witt WP, Fortuna, L, Wu E, Kahn RS, Winickoff JP, Pirraglia PA, Ferris TG, Kuhlthau K. Children's use of motor vehicle restraints: maternal psychological distress, maternal motor vehicle restraint practices, and sociodemographics. *Ambulatory Pediatrics* 2006; 6(3): 145–151.
- Engler P, Anderson B, Herman D, Bishop D, Miller I, Pirraglia P, Hayaki J, Stein M. Coping and burden among informal HIV caregivers. *Psychosomatic Medicine* 2006; 68(6):985–92.

Kittichai Promrat, M.D.

- Lee PL, Promrat K, Mallette C, Flynn M, Beutler E. A Juvenile Hemochromatosis Patient Homozygous for a Novel Deletion of cDNA Nucleotide 81 of Hemojuvelin. *Acta Haematologica* 2006;115:123–27.
- Lutchman G, Promrat K, Kleiner, DE, Heller T, Ghany, M, Yanovski JA, Liang TJ, Hoofnagle JH. Changes in Serum Adipokine Levels During Pioglitazone Treatment for Nonalcoholic Steatohepatitis-Relationship to Histological Improvement. *Clinical Gastroenterology and Hepatology*, 2006;4(8):1048–52.

Uwaifo GI, Tjahjana M, Freedman RJ, Lutchman G, Promrat K, Acanthosis Nigricans (AN) is uncommon in Nonalcoholic Steatohepatitis (NASH). *Endocrine Practice*, 2006;12(4):371–9.

Sharon Rounds, M.D.

- Lu, Q, Harrington, EO, Rounds, S. Apoptosis in Acute Lung Injury. *Keio J Medicine*, 2005; 54:184–9.
- Martin, K, and Rounds, S. Pulmonary Hypertension. New Insights and new hopes. *Respirology*, 2006; 11:6–17.
- Lu, Q, Harrington, EO, Jackson, H, Morin, N, Shannon, C, and Rounds, S. Transforming Growth Factor- β_1 -induced barrier dysfunction involves Smad-dependent p38 activation and subsequent RhoA activation. *Journal of Applied Physiology*. 2006; 101:375–384.
- Harrington*, EO, Stefanac*, T, Newton, J, Rounds, S. Release of soluble E-selectin release from activated endothelial cells upon apoptosis. *Lung*. 2006; 184:259–266.
- Lu, Q, Harrington, EO, Newton, J, Jankowich, M, and S Rounds. Inhibition of ICMT induces endothelial cell apoptosis through GRP94. *Am J Resp Cell Mol Biol.*, 2007; 37:20–30.

Amal N. Trivedi, M.D., MPH

- Trivedi AN, Sequist TD, Ayanian JZ. Impact of Hospital Volume on Racial Disparities in Cardiovascular Procedure Mortality. *Journal of the American College of Cardiology*. 2006;47:417–24.
- Gibbs BK, Nsiah-Jefferson L, McHugh M, Trivedi AN, Prothrow-Stith D. Reducing Racial and Ethnic Health Disparities: An Outcome Oriented Research and Policy Agenda. *Journal of Health Politics, Policy and Law*. 2006;31:185–218.
- Trivedi AN, Ayanian JZ. Perceived Discrimination and Use of Preventive Health Services. *Journal of General Internal Medicine*. 2006;21:553–8.
- Trivedi AN, Zaslavsky AM, Schneider EC, Ayanian JZ. Relationship between Quality of Care and Racial Disparities within Medicare Health Plans. *Journal of the American Medical Association*. 2006; 296:1998–2004.

Wen-Chih Wu, M.D.

- Wu WC, Sharma SC, Choudhary G, Coulter L, Coccio E, Eaton CB. Flow Mediated Vasodilation Predicts the Presence and Extent of Coronary Disease Assessed by Stress Thallium Imaging. *J Nucl Cardiol* 2005; 12(5):538–44.

- ▶ Patel PM, Wu WC. The electrocardiogram in the primary care office. *Primary Care Clinics of North America* 2005; 32(4):901–30.
- ▶ Wu WC, Schiffner TL, Henderson WG, Eaton CB, Poses RM, Uttley G, Sharma SC, Vezeridis M, Khuri SF, Friedmann PD. Preoperative hematocrit levels and postoperative outcomes in older patients undergoing noncardiac surgery. *JAMA*. 297:2481–8, 2007.

Martin A. Weinstock, M.D., PhD

- ▶ Eide MJ, Weinstock MA, Dufresne RG, Neelagaru S, Risica P, Burkholder GJ, Upegui D, Phillips KA, Armstrong BA, Robinson-Bostom L. Relationship of treatment delay with surgical defect size from keratinocyte carcinoma (basal cell and squamous cell carcinoma of the skin). *J Invest Dermatol* 2005;124:308–314.
- ▶ Cokkinides V, Weinstock M, Glanz K, Albano J, Ward E, Thun M. Trends in sunburns, sun protection practices, and attitudes toward sun exposure protection and tanning among U.S. adolescents, 1998 to 2004. *Pediatrics* 2006;118:853–864.
- ▶ Mayer JA, Slymen DJ, Clapp EJ, Pichon LC, Eckhardt L, Eichenfield LF, Elder JP, Sallis JE, Weinstock MA, Achter A, Balderrama C, Galindo GR, Oh SS. Promoting the sun safety among US Postal Service letter carriers: Impact of a 2-year intervention. *Am J Public Health* 2007;97:559–565.

RESEARCH

Gyorgy Baffy, M.D.

- ▶ 2001–2006 NIH, NIDDK, DK-61890
“Uncoupling protein-2 in the pathogenesis of steatohepatitis”
PI: \$110,091/year (direct)
- ▶ 2002–2006 NIH, NCCR RR-17695
“Uncoupling protein-2 and colon carcinogenesis”
PI: \$83,790/year (direct)

Gaurav Choudhary, M.D.

BASIC:

- ▶ VA Career Development Award (VHA) 2007–10
Project: Role of C-type Natriuretic Peptide in Pulmonary Vascular Function.
\$150,000 Role: Principal Investigator
- ▶ RI-INBRE Pilot Award (NIH) 2006–07
Project: Role of C-type Natriuretic peptide in microvascular endothelial cell proliferation and apoptosis
\$10,000 Role: Principal Investigator
- ▶ Rhode Island Foundation: Medical Research Award, 2005–06
Project: Role of C-type Natriuretic Peptide in Pulmonary

Vascular Function

\$10,000 Role: Principal Investigator

Elizabeth O. Harrington, Ph.D

BASIC:

- ▶ HL67795 (Harrington)
“Endothelial Barrier Function Modulation by PKC δ ”
NIH/ NHLBI
Period of Support: 8/2001–1/2012
Principal Investigator
Total costs: \$2,955,750
- ▶ Merit Review (Harrington)
“Signaling in Hypoxic Pulmonary vs. Systemic Endothelium”
Department of Veterans Affairs
Period of Support: 7/2004–9/2007
Principal Investigator
Total costs: \$450,000
- ▶ HL64936 (Rounds)
“Small GTPases and Lung Endothelial Apoptosis”
NIH/ NHLBI
Period of Support: 4/2000–3/2010
Co-Investigator
Total costs: \$3,048,000
- ▶ Merit Review (Rounds)
“RhoA GTPase Methylation and Vascular Permeability”
Department of Veterans Affairs
Period of Support: 10/2004–9/2007
Co-Investigator
Total costs: \$408,300
- ▶ Predoctoral Award (Owusu-Sarfo)
“p190RhoGAP and PKC δ : Investigation of their role in endothelial barrier function”
American Heart Association, Northeast Affiliate
Period of Support: 7/2006–6/2008
Mentor
Total costs: \$42,000

Linda Nici, M.D.

CLINICAL:

- ▶ “A Randomized, Double-Blind, Double-Dummy, Parallel Group Trial Comparing 12 Weeks Treatment with Tiotropium Inhalation Capsules 18 mcg via the HandiHaler® Once Daily to Combivent® Inhalation Aerosol CFC M.D.I 2 Actuations Q.I.D. in COPD Patients Currently Prescribed Combivent® Inhalation Aerosol CFC M.D.I.”
Boehringer-Ingelheim, initiated 10-06.

Paul A. Pirraglia, M.D.

BASIC:

- ▶ PI: VA Health Services Research & Development

Career Development Award, \$462,206, 2005–2008
 PI: RI Foundation Grant, \$5,110, 2006

Kittichai Promrat, M.D.

BASIC:

- Weight management in Nonalcoholic Steatohepatitis (principal investigator), NIH/NIDDK
 Preventing Depression in MMT Patients on Interferon (co-investigator), NIH/NIDA

CLINICAL

- Randomized, multi-center, Double-Blinded, Phase IV study evaluating the efficacy (as measured by sustained virological response) and safety of 360ug induction dosing of Pegasys in combination with Higher Copegus doses in treatment –naïve patients with chronic Hepatitis C Genotype 1 virus infection of high viral titer and baseline body weight greater than or equal to 85kg (site principal investigator), Hoffman-La Roche.

Sharon Rounds, M.D.

BASIC:

- NHLBI RO1 64936-06
 “Small GTPases and Lung Endothelial Apoptosis”
 Principal Investigator: Sharon Rounds
 Effort: 20% of Brown University Effort
 Annual Direct Costs: \$200,000 per year
 Period of Support: 4/1/06–3/31/10
- NHLBI R25
 “Short-Term Training Program to Increase Diversity in Health-Related Research”
 Principal Investigator: Sharon Rounds
 Effort: 5% of Brown University Effort
 Annual Direct Costs: \$90,000 per year
 Period of Support: 4/1/07–3/31/12
- VA Merit Review
 “RhoA GTPase Methylation and Endothelial Cell Function”
 Principal Investigator: Sharon Rounds
 Effort: 20% VA effort
 Annual Direct Costs: \$140,000 per year
 Period of Support: 10/1/04–3/31/08

Amal N. Trivedi, M.D.

BASIC:

- Principal Investigator, Pfizer Health Policy Scholars Award, “Effect of Cost-Sharing on Preventive Care and Health Outcomes in Medicare Managed Care”, \$135,000. 2007–09

Martin A. Weinstock, M.D.

BASIC:

- V A Topical Tretinoin Chemoprevention (VATTC) Trial. Department of Veterans Affairs Cooperative Studies Program CSP # 402, 5/2/97–5/31/07, \$3,766,555 direct (investigators’ salary and fringe and most coordinating center costs were not included in V A direct costs), principal investigator.
- The Framingham School Nevus Study. National Institute of Arthritis, Musculoskeletal and Skin Disease R01AR49342, 9/1/03–8/31/08, \$92,497 for subcontract, principal investigator of subcontract.
- Efficacy of Web-based Training on Skin Cancer Triage. National Cancer Institute R01CA106592, 6/16/04–5/31/08, \$1,620,044 direct, principal investigator.
- Indoor Tanning Use, DNA Repair and Risk of Melanoma. National Cancer Institute R01CA106807, 9/30/04–8/31/09, \$62,013 direct for subcontract, principal investigator of subcontract.
- Planning Grant: V A Keratinocyte Carcinoma Chemoprevention Trial. Department of Veterans Affairs Cooperative Studies Program CSP # 562, 3/14/05–6/13/07 (end date approximate), this award provides resources but no direct budget, principal investigator.

Wen-Chih Wu, M.D.

BASIC:

- 2005–2007 VA HSR&D
 “Variability in Surgical Blood Transfusion Practices and Cardiovascular Outcome” Merit Review: W. Wu, PI. \$ 171,850 (25%)
- CLINICAL:
- 2003–2005 Merck, Inc.
 Effectiveness of different strategies in maintaining target of cardiovascular risk factors in patients discharged from cardiovascular risk reduction clinic. W. Wu, PI. \$35,000 (10% effort)
- 2005–2006 RI Foundation
 Multidisciplinary Behavioral and Pharmacological Intervention for Cardiac Risk Reduction in Diabetes. W. Wu, PI. \$9,952. (10% effort)
- 2006–2008 Daugherty Foundation
 “Multi-Targeted Cardiac Risk Intervention in Type 2 Diabetes” W. Wu, PI. \$ 50,000 (10%).

INTERNATIONAL HEALTH AT ALPERT MEDICAL SCHOOL OF BROWN UNIVERSITY

International Health is an integral part of the Department of Medicine at The Warren Alpert Medical School of Brown University, and its affiliated hospitals.

Collaborative programs in Kenya, India, the Dominican Republic, Cambodia, Ghana, the Philippines, Viet Nam, and Indonesia have dedicated faculty members who travel back and forth to each site and work closely with partner faculty from the host institution. The majority of these collaborations are bilateral. Residents, students, and junior faculty, particularly from Kenya and the Dominican Republic, visit and receive training at Brown and likewise medical students, residents, fellows, and faculty from Brown travel to these sites and teach and participate in collaborative clinical projects. These projects are supported both by the Department of Medicine and by the Medical School and through targeted NIH funded grants through the Fogarty AIDS International Training and Research Program and the Center for AIDS Research. Rotations at each of these sites are available to residents, medical students, and fellows but require considerable planning both in terms of effort and time. The first step is to learn more about these programs and to meet with the lead faculty members who have developed these collaborations. For individuals who have completed their residency and wish to focus two years in international clinical research there is an NIH funded training program which is available to provide support.

Eldoret, Kenya

Faculty at The Warren Alpert Medical School of Brown University began collaborating with faculty from Moi University School of Medicine (Eldoret, Kenya) over ten years ago as a medical exchange program to emphasize service and teaching in medicine. Out of this initial exchange program, in recognition of the devastating HIV epidemic sweeping across Africa, the Brown, Moi and Indiana University developed AMPATH (Academic Model for the Prevention and Treatment of HIV). AMPATH has spread across western Kenya and now involves 19 treatment sites, with a present enrollment of 50,000 PLWAs, and enrolling 2000 new patients per month. A model prevention strategy was initiated in August 2007 of door to door home based HIV testing and TB screening. This program is a model of comprehensive care (clinical care coupled with food equity and economic empowerment programs), has



Brown and Kenyan colleagues on the grounds of Moi Teaching and Referral Hospital

been sited by the WHO and UNAIDS, and was nominated for the 2007 Nobel Peace Prize. Funding for the project comes from both philanthropic donations, PEPFAR and USAID... Brown residents and medical students provide clinical care on the inpatient wards and may rotate through AMPATH services. In addition, residents are expected to act as junior attendings in terms of teaching roles with morning report and lectures... Brown faculty staff also rotates on the wards at MUSOM, extending the attending staff of MUSOM... International funding has been awarded to Brown faculty in the areas of TB diagnostics, improved community based HIV and TB care, evaluation of HIV resistance, and HIV related malignancy research (Kaposi's sarcoma and lymphoma, cervical cancer screening with visual inspection with acetic acid versus Pap smear). Brown medical students have participated in over twenty different projects working with Brown, Moi, and Indiana faculty in studies as diverse as the utility of dried blood spot analysis in HIV testing sites, Student awareness in HIV, a videotape to address HIV stigma, and Tb infection surveillance in medical students. The program is led by Dr. E. Jane Carter.

For information on this program contact:
Jane Carter (e_jane_carter@brown.edu)
Janet O'Connell (jvoconnell@lifespanspan.org).

Chennai, India

Brown faculty, under the leadership of Dr. Ken Mayer, Chuck Carpenter, Susan Cu-Uvin, and Tim Flanigan have collaborated with YRG Care in Chennai, India. YRG Care is a community based HIV organization which is the largest provider of HIV care in Southern India. They have piloted and evaluated a low cost antiretroviral (ART) programs for men, women, and families. They have been funded for HIV prevention projects within the slums of Chennai as well as projects which have specifically targeted infected drug users in Southern India. They have also been funded to assess the effects of various antiretroviral medications in babies exposed in utero. Opportunities to rotate on the inpatient HIV service, outpatient HIV clinics, and participate in clinical research projects are available.

This collaboration in Southern India also extends to the Christian Medical College (CMC). CMC is a premier academic medical center in Southern India which has great expertise in a myriad of infectious diseases from tetanus to leprosy to TB to HIV and AIDS. They are widely recognized as a leader in HIV medical education in Southeast Asia. Opportunities to rotate on the inpatient and outpatient at CMC are available.

Another excellent opportunity is at the Indian Council of Medical Research's TB Research Center in Chennai. Opportunities there include working with clinical researchers studying the optimal management of HIV and TB co-infection and HIV vaccine trials, as well as lab work in pharmacology, virology and immunology

For information on collaborative projects in Southern India please contact:

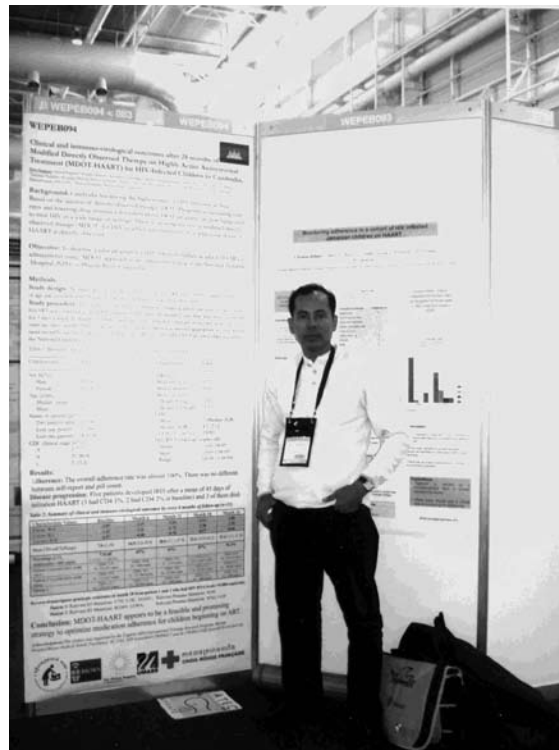
Ken Mayer (kenneth_mayer@brown.edu)
Eileen Caffrey (e_caffrey@lifespans.org)

Ghana

Dr. Awe Kwara has received NIH funding to pursue projects in HIV and TB care at Korlebu Hospital in Accra, Ghana. This collaboration has examined the pharmacokinetics of HIV therapy and combined TB therapy. New projects are being developed to examine long term suppression of HIV viral load, pharmacokinetics of HIV and TB therapy in children, the development of M.D.R and, XDR tuberculosis, and optimal treatment regiments. Medical students, residents, and fellows have rotated at Korlebu Hospital which is the major teaching hospital in Accra.



Ken Mayer and Fogarty trainees (left to right - Drs. M. Muniyandi TRC, Chennai, India, Ken Mayer, Anand Manoharan, CMC, Vellore, India, Nurlan Silitonga, Indonesia, Geetha Ramachandran, TB Research Center, Chennai, India



Dr. Sam Sophan, Fogarty trainee, National Pediatric Hospital, Cambodia, presenting at IAS, Sydney Australia, Aug 07

Interested individuals should contact:
Awe Kwara (awewara_kwara@brown.edu)

Cambodia

Brown medical school faculty have collaborated with the Center of Hope in Phnom Pen and the Angkor Hospital for Children in Siem Reap as well as other hospitals in Cambodia for more than seven years. The NIH Fogarty program has helped support this collaboration and brought over faculty from Cambodia to develop advanced expertise in HIV medicine. Collaborative projects are then developed with these faculty members at different sites in Cambodia. These projects include an HIV women's clinic, HIV/TB care, follow-up and management of HIV-exposed and infected children and nutritional complications related to HIV and AIDS in Cambodia.

Interested individuals should contact:

Herb Harwell (j_harwell@lifespan.org)

Ken Mayer (kenneth_mayer@brown.edu)

David Pugatch (D_Pugatch@lifespan.org)

Philippines

Collaborations in the Philippines are focused both on parasitology (schistosomiasis, polyparasitism) as well as HIV prevention and HIV therapy. Susan Cu-Uvin, Steve Opal, Jennifer Friedman and Jake Kurtis have all collaborated in the Philippines for over ten years. Collaborative projects exist "in the field" as well in Manila, in collaboration with the University of Philippines and with the Research Institute of Tropical Medicine (RITM) and the Department of Health. These collaborations largely focus on specific projects developed by faculty. Opportunities to rotate at the inpatient wards and outpatient clinics in the Philippine General Hospital (University of the Philippines) are available.

For more information contact:

Susan Cu Uvin (scu_vin@lifespan.org)

Steve Opal (steven_opal@brown.edu)

Jake Kurtis (jonathan_kurtis@brown.edu)

Jennifer Friedman (Jennifer_friedman@brown.edu)



Patients arriving at the clinic at A Mother's Wish.

Indonesia

The Fogarty AIDS program has supported faculty members from Indonesia where the HIV epidemic is still quite new and has not exploded as it has in many countries in Africa. Collaborative projects have been developed in Bali, in Yogyakarta and in Jakarta. Opportunities exist to participate in focused research projects with faculty at those institutions, ranging from prevention interventions for sex workers and IDUs in Bali, to training doctors in AIDS care in Jakarta.

Interested individuals should contact:

Ken Mayer (Kenneth_Mayer@brown.edu)

A number of faculty have developed internationally recognized expertise in international health and are happy to mentor medical students, residents, and fellows in this arena. These faculty welcome inquiries and are happy to provide support. They include:

Ed Wing (e_wing@lifespan.org)

Chuck Carpenter (ccjc@lifespan.org)

Ken Mayer (kenneth_mayer@brown.edu)

Tim Flanigan (t_flanigan@lifespan.org)

Susan Cu Uvin (scu_uvin@lifespan.org)

Joe Diaz (joseph_diaz@brown.edu)

Mike Stein (m_stein@lifespan.org)

Jake Kurtis (jonathan_kurtis@brown.edu)

Jane Carter (e_jane_carter@brown.edu)

Herb Harwell (j_harwell@lifespan.org)

The international health collaborations through the Department of Medicine provide an ideal opportunity to expand clinical skills as well as participate in international collaborative projects.

Department of Medicine Exchange Program in the Dominican Republic

During the academic year 2006–2007, the Brown Department of Medicine Program in the Dominican Republic continued its activities in the areas of education, patient care and research.

Teams of Brown medical students, internal medicine residents and Department of Medicine faculty traveled to Cabral y Baez Hospital in Santiago, DR during the months of October and February. A total of 9 medical students, 3 residents and 6 internal medicine faculty participated in the elective during these 2 months. While in Santiago, the teams participate in the teaching activities of the Department of Medicine at Cabral y Baez Hospital, including morning report, ward rounds, noon conference, outpatient clinics including HIV clinic, and emergency room rounds. The teams also work in a community-based primary care clinic outside of Santiago, run by a non-profit organization called A Mother's Wish. The clinical work at A Mother's Wish includes seeing scheduled adult primary care patients, conducting group patient education sessions and making home visits to elderly patients unable to get to the clinic.

Three Cabral y Baez internal medicine residents traveled to Brown to participate in the activities of our internal medicine residency program. They participated in our morning report, presenting cases from their hospital as “unknowns” for our residents. They went on ICU rounds, attended primary care, HIV and subspecialty clinics, and rounded with subspecialty consult teams. The residents from the Cabral program who have rotated through the Brown hospitals have been a tremendously helpful resource for our visitors working at Cabral.



A patient on a hospital ward in the Dominican Republic sleeps under mosquito netting to protect the other patients from mosquito-borne illnesses.

In the spring of 2007, the director of the internal medicine training program at Cabral y Baez, Dr. Francisco Mejia Ortiz visited the Brown internal medicine program to learn about the structure and educational methods of our program. In addition, the director of the Cabral HIV treatment program, Dra. Claudia Rodriguez, visited Brown's HIV programs.

With support from the Department of Medicine, the HIV treatment program at Cabral y Baez, Clinica De Enfermadades De Danos Inmunologicó (CEDI) has grown steadily, and currently 915 patients are being followed by CEDI. In April, 2007, CEDI expanded into newly renovated space in the hospital. With the assistance of Brown medical students Sophia Califano, Josh Spaete and Jocelyn Burke, CEDI has maintained an electronic database of all of its patients.

The plan for 2007–2008 is to continue sending Brown teams to Cabral for 2 months/year. Additional internal medicine faculty are being recruited and Dr. Joe Rabatin is planning to join the February 2008 group. Seven Cabral y Baez residents have been interviewed as candidates for traveling to Brown in the spring of 2008.



GRAND ROUNDS

“The Expanding Curricular Opportunities in Medical Education”

Presented at that the Sixth Annual Beckwith Family Awards Ceremony on Tuesday, May 1, 2007 by the Beckwith Visiting Professor, Kelly M. Skeff, M.D., PhD, FACP, George DeForest Barnett Professor of Medicine from Stanford University.



July, 2005–June, 2007

- July 12, 2005 Morbidity & Mortality Conference – Case 1: *“A 57-year-old woman with anterior mediastinal mass and progressive shortness of breath”*, Kevin Dushay, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; William Feng, M.D., Clinical Associate Professor of Surgery, The Warren Alpert Medical School of Brown University; Philip Stockwell, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University
- Case 2: *“A 58-year-old man with chest pain radiating to his back and new onset lower extremity weakness”*, Benjamin Sapers, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University; Steven LaRosa, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- July 19, 2005 Geriatrics Update – *“What the Practicing Internist Needs to Know About Alzheimer’s Disease”*, Richard W. Besdine, M.D., Professor of Medicine (primary) and of Medical Sciences (secondary, Community Health), David S. Greer Professor of Geriatric Medicine, The Warren Alpert Medical School of Brown University
- July 26, 2005 *“Ten Things Every Clinician Should Know About Pregnancy”*, Raymond O. Powrie, M.D., Associate Professor of Medicine and Obstetrics and Gynecology, The Warren Alpert Medical School of Brown University
- September 13, 2005 Morbidity & Mortality Conference – Case 1: *“A 24-year-old man with back pain and progressive lower extremity weakness”*, James Butera, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Mark Palumbo, M.D., Associate Professor of Orthopedics, The Warren Alpert Medical School of Brown University

Case 2: *“A 48-year-old man with chronic abdominal pain and anemia”*, Michael Maher, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University; Mary Anne Fenton, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University

- September 20, 2005 *“Tuberculosis in the 21st Century: Challenges and Opportunities”*, Jeffrey Glassroth, M.D., Vice Dean and Professor of Medicine, Tufts University School of Medicine
- September 27, 2005 The Galkin Lecture – *“HIV Prevention in Botswana: A Randomized, Controlled Clinical Trial of Daily Oral Tenofovir Chemoprophylaxis of HIV Infection in Healthy HIV-Negative Young Adults”*, Peter H. Kilmarx, M.D., FACP, FIDSA, Commander, Commissioned Corps of the U.S. Public Health Service
- October 4, 2005 *“The Impact of New Guidelines for Hypertension Prevention Management for Patients in Special Populations”*, Kenneth A. Jamerson, M.D., Professor of Internal Medicine, Division of Cardiovascular Medicine, University of Michigan Health System
- October 18, 2005 The Kameny Lecture – *“Mobility in the Older Adult: Clinical Value to Medical Generalists and Specialists”*, Stephanie A. Studenski, M.D., MPH, Professor of Medicine, Division of Geriatrics, Professor, Schools of Allied Health and Nursing (secondary appointments), University of Pittsburgh
- October 25, 2005 Morbidity & Mortality Conference – Case 1: *“A 40-year-old woman with syncope and respiratory distress form sudden cardiogenic shock”*, Kevin Dushay, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Leonard Mermel, D.O., Professor of Medicine, The Warren Alpert Medical School of Brown University; Philip Stockwell, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University
 Case 2: *“A 27-year-old male with fevers, right upper quadrant pain and fulminant hepatic failure”*, James Butera, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Kitticahi Promrat, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- November 1, 2005 *“Academia, Primary Care, and the Chronically Ill”*, Edward H. Wagner, M.D., MPH, FACP, Professor, University of Washington, School of Public Health and Community Medicine, Department of Health Services
- November 8, 2005 Endocrine Update – *“Challenges in Osteoporosis Prevention and Management”*, Geetha Gopalakrishnan, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
“Lizard Spit and Other Cool New Stuff for Diabetes”, Marc J. Laufgraben, M.D., FACE, FACP, Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- November 15, 2005 Morbidity & Mortality Conference – Case 1: *“A 27-year-old male with testicular cancer treated with Bleomycin, Cisplatin, and etoposide with hypoxic respiratory failure”*, Mitchell McClure, M.D., House Staff Officer, The Warren Alpert Medical School of Brown University; Nicholas Ward, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; James Butera, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
 Case 2: *“A 90-year-old man with a history of an aortic valve replacement presents with mental status change and an unexpected cause of death”*, Richard Turner, M.D.; Staci Fischer, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Frederic Christian, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Ronald DeLellis, M.D., Professor of Pathology and Laboratory Medicine, The Warren Alpert Medical School of Brown University

- November 22, 2005 Nephrology Update – *“The Controversial Treatment of Atherosclerotic Renovascular Disease”*, Lance D. Dworkin, M.D., FACP, FAHA, FASN, Professor of Medicine, The Warren Alpert Medical School of Brown University
- November 29, 2005 Health Policy Update and Ethical Issues Conference – *“Medicare Prescription Drug Plan: What Doctors Need to Know”*, John B. Murphy, M.D., Professor of Medicine and Family Medicine, The Warren Alpert Medical School of Brown University
“Managing the dying process after massive intracranial hemorrhage: Natural processes, moral agency and professional ethics”, Thomas Bledsoe, M.D., Clinical Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- December 6, 2005 Morbidity & Mortality Conference – Case 1: *“A 68-year-old man with recently diagnosed pauci-immune vasculitis presents with fevers and lethargy”*, Walter Donat, M.D., Clinical Associate Professor of Medicine, The Warren Alpert Medical School of Brown University; Melissa Gaitanis, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Christopher Cosgrove, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
Case 2: *“A 23-year-old woman with persistent fevers and cervical lymphadenopathy”*, Bismruta Misra, M.D.; Melissa Gaitanis, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Edward Lally, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- December 13, 2005 The 2nd Annual Paul Calabresi Memorial Lecture – *“Cancer Drug Discovery: What have we accomplished with targeted therapy?”*, Bruce A. Chabner, M.D., Professor of Medicine, Harvard Medical School
- December 20, 2005 Gastroenterology Update – *“Endoscopic Ultrasound (EUS): State of the art ...and the science”*, Sripathi R. Kethu, M.B.B.S., M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
“Photodynamic Therapy in the Treatment of Esophageal Diseases and Cholangiocarcinoma”, Fadlallah Habr, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- January 10, 2006 *“Wegener’s Granulomatosis and Microscopic Polyangiitis”*, Peter A. Merkel, M.D., MPH, Associate Professor of Medicine, Boston University School of Medicine
- January 17, 2006 Morbidity & Mortality Conference – Case 1: *“A 20-year-old male admitted with rapidly progressive renal failure and proteinuria”*, Meghan Eckstein, M.D., House Staff Officer, The Warren Alpert Medical School of Brown University; Susie Hu, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
Case 2: *“A 40-year-old female with history of glomerulonephritis now presenting with progressive blurry vision”*, Catherine Smitas, M.D., Clinical Instructor of Medicine, The Warren Alpert Medical School of Brown University; Marjorie Murphy, M.D., Clinical Associate Professor of Surgery, The Warren Alpert Medical School of Brown University; J. Donald Easton, M.D., Professor of Clinical Neuroscience, The Warren Alpert Medical School of Brown University
- January 24, 2006 Cardiology Update – *“RISDI: The Rhode Island Sudden Death Initiative – Towards Reducing the Problem of Sudden Cardiac Death in our State”*, Alfred E. Buxton, M.D., Professor of Medicine, The Warren Alpert Medical School of Brown University
- January 31, 2006 *“Bariatric Surgery”*, Moderator: David T. Harrington, M.D., FACS, Associate Professor of Surgery, The Warren Alpert Medical School of Brown University
“History and Outcomes” – Harry C. Sax, M.D., Professor of Surgery, The Warren Alpert Medical School of Brown University

– G. Dean Roye, M.D., Assistant Professor of Surgery, The Warren Alpert Medical School of Brown University

- February 7, 2006 Morbidity & Mortality Conference – Case 1: *“An 88-year-old man with CMML who presents with progressive weakness and fatigue”*, James Butera, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; J. Gary Abuelo, M.D., Associate Professor Medicine, The Warren Alpert Medical School of Brown University
- Case 2: *“A 54-year-old man presenting with malaise and cough”*, Herman Ayvazyan, M.D.; Leonard Mermel, D.O., Professor of Medicine, The Warren Alpert Medical School of Brown University; Muhanned Abu-Hijleh, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- February 14, 2006 Hematology/Oncology Update – *“Coagulation Update”*, Anita S. Kestin, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- “Molecular Targeting in Pancreatic Cancer”*, Howard Safran, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- February 28, 2006 *“Lipid Management in 2006: Update on Intensive LDL-Lowering, HDL-Raising, and Approaches to Closing the Lipid Treatment Gap”*, Karen E. Aspary, M.S., M.D., FACC, Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University
- March 7, 2006 Morbidity & Mortality Conference – Case 1: *“A 44-year-old man presenting with dyspnea, weakness, fatigue, and dark urine for 1 week”*, Nicholas Ward, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Chanika Phornphutkul, M.D., Assistant Professor of Pediatrics, The Warren Alpert Medical School of Brown University; Ali Nayer, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- Case 2: *“A 57-year-old woman presenting with dyspnea and a recurrent pleural effusion”*, Michael Johnson, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Muhanned Abu-Hijleh, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- March 14, 2006 General Internal Medicine Update – *“Buprenorphine: An Office-Based Pharmacological Option for Opioid Dependence”*, Background/Pharmacology – Peter D. Friedman, M.D., MPH, Associate Professor of Medicine and Community Health, The Warren Alpert Medical School of Brown University
- Our Local Experience – Michael D. Stein, M.D., Professor of Medicine and Community Health, The Warren Alpert Medical School of Brown University
- March 21, 2006 Cardiology Update II – *“Aspects of NHLBI-Sponsored Women’s Ischemia Syndrome Evaluation (WISE)”*, Barry L. Sharaf, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- “The Role of Biventricular Pacing Today”*, Kristin E. Ellison, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- March 28, 2006 *“Asthma and the Environment”*, Joan Reibman, M.D., Associate Professor of Medicine and Environmental Medicine, New York University Medical Center
- April 4, 2006 *“Acute Coronary Syndromes 2006”*, George R. McKendall, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- April 11, 2006 Morbidity & Mortality Conference – Case 1: *“A 23-year-old woman 6 weeks pregnant with fevers, rash and arthritis”*, Michael Johnson, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; John Lonks, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University

- Case 2: *“A 34-year-old man with shortness of breath and cough”*, Jack Schwartzwald, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University; Leonard Mermel, D.O., Professor of Medicine, The Warren Alpert Medical School of Brown University
- April 18, 2006 *“Lessons from the Flight Deck: What Aviation Can Teach Medicine About Team Building and Patient Safety”*, Harry C. Sax, M.D., Professor of Surgery, The Warren Alpert Medical School of Brown University
- April 25, 2006 Infectious Diseases Update – *“An Old World Arenavirus in 21st Century Rhode Island: Lymphocytic Choriomeningitis Virus Transmitted via Solid Organ Transplantation, 2005”*, Staci A. Fischer, M.D., FACP, Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- May 2, 2006 The Beckwith Visiting Professorship Lecture – *“Work Hours, Sleep and Safety: Ethical Implications”*, Charles A. Czeisler, Ph.D., M.D., Professor of Medicine, Baldino Professor of Sleep Medicine, Harvard Medical School
- May 9, 2006 *“Aldosterone as a determinant of cardiovascular and renal injury: Implications for Pathogenesis and Clinical Management”*, Murray Epstein, M.D., Professor of Medicine, University of Miami School of Medicine
- May 16, 2006 Morbidity & Mortality Conference – Case 1: *“An 80-year-old male presenting with hemoptysis and syncope”*, Daniel Selo, M.D., Assistant Instructor of Medicine, The Warren Alpert Medical School of Brown University; Charles Lee, M.D., Teaching Fellow, The Warren Alpert Medical School of Brown University
- Case 2: *“A 51-year-old with painless jaundice”*, Benjamin Sapers, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University; James Butera, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- May 23, 2006 *“Osteoarthritis: Pathophysiology and Management”*, Marc C. Hochberg, M.D., MPH, Professor of Medicine, and Epidemiology and Preventive Medicine, University of Maryland School of Medicine
- June 6, 2006 Morbidity & Mortality Conference – Case 1: *“A 32-year-old with hyperthermia and multi-system organ failure”*, Nicholas Ward, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- Case 2: *“A 29-year-old woman with fever, right upper quadrant pain, and headache”*, Mark Schleinitz, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- June 13, 2006 Pulmonary Update – *“Uses and abuses of bilevel pressure therapy in acute respiratory failure”*, Richard P. Millman, M.D., Professor of Medicine, The Warren Alpert Medical School of Brown University
- “Reducing Mortality in Sepsis: The Surviving Sepsis Campaign”*, Mitchell Levy, M.D., Professor of Medicine, The Warren Alpert Medical School of Brown University
- June 20, 2006 Rheumatology Update – *“Inherited Disorders of Connective Tissue”*, Edward V. Lally, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- “Musculoskeletal Manifestations of Sarcoidosis”*, Stuart T. Schwartz, M.D., Clinical Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- June 27, 2006 The Grace McLeod Rego Memorial Lecture – *“Decisions Near the End of Life: Problems with the Ethical Consensus”*, Mr. Bruce Jennings, Lecturer, Department of Epidemiology and Public Health, Yale University School of Medicine

- July 11, 2006 Morbidity & Mortality Conference – Case 1: *“A 57-year-old male with fever and jaundice following radiofrequency ablation”*, Howard Safran, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University; Staci Fischer, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Richard Haas, M.D., Associate Professor of Diagnostic Imaging (Clinical), The Warren Alpert Medical School of Brown University; Jack Wands, M.D., Professor of Medicine, The Warren Alpert Medical School of Brown University
- Case 2: *“A 40-year-old male presenting with three weeks of hematemesis”*, Douglas Martin, M.D., House Staff Officer, The Warren Alpert Medical School of Brown University; Howard Safran, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University; Joseph Sweeney, M.D., Professor of Pathology and Laboratory Medicine, The Warren Alpert Medical School of Brown University
- July 18, 2006 Geriatrics Update – *“Dementia as a Terminal Diagnosis”*, Joan M. Teno, M.D., M.S., Professor of Community Health and Medicine in Research Scholar Track, The Warren Alpert Medical School of Brown University
- July 25, 2006 *“Lessons Learned from Listeria: What Listeria can tell us about bacterial pathogenesis, cell motility and clinical disease”*, Frederick S. Southwick, M.D., Professor and Chief, Division of Infectious Disease, University of Florida College of Medicine
- September 12, 2006 Morbidity & Mortality Conference – Case 1: *“A 21-year-old male with sore throat”*, Mitchell Levy, M.D., Professor of Medicine, The Warren Alpert Medical School of Brown University; James Butera, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Leonard Mermel, D.O., Professor of Medicine, The Warren Alpert Medical School of Brown University
- Case 2: *“A 53-year-old female with right wrist pain”*, Susie Hu, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Joseph Sweeney, M.D., Professor of Pathology and Laboratory Medicine, The Warren Alpert Medical School of Brown University; Bernard Zimmermann III, M.D., Adjunct Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- September 19, 2006 *“Alcoholic Liver Disease”*, David A. Brenner, M.D., Samuel Bard Professor and Chairman, Department of Medicine, Columbia University Medical Center, College of Physicians and Surgeons
- September 26, 2006 Dermatology Update – *“Dermatology for the Practicing Internist”*, Thomas Long, M.D., Clinical Associate Professor, Department of Dermatology, The Warren Alpert Medical School of Brown University
- October 3, 2006 Morbidity & Mortality Conference – Case 1: *“An 18-year-old female with new seizure”*, Kevin Dushay, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Edward Lally, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University; John O’Bell, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- Case 2: *“A 41-year-old man with shortness of breath”*, Walter Donat, M.D., Clinical Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- October 17, 2006 The Kameny Lecture – *“Falls Prevention: The Essentials for the General Internist”*, Mary E. Tinetti, M.D., Professor of Medicine and Epidemiology, and Public Health, Yale University School of Medicine
- October 24, 2006 Endocrine Update – *“Thyroid Nodule Management Guidelines Update 2006”*, James V. Hennessey, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University

- “When Oral Agents Fail: Advanced Therapeutic Decision-Making in Type 2 Diabetes”*, Marc J. Laufgraben, M.D., FACE, FACP, Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- October 31, 2006 *“Changes in Clinical Practice for Internists in the Genomic Era”*, Mark W. Babyatsky, M.D., Drs. Richard and Mortimer Bader Professor of Medicine, Mt. Sinai School of Medicine
- November 7, 2006 Emergency Medicine Update – *“2006 Update in the Management of TIA and Acute Ischemic Stroke”*, Peter D. Panagos, M.D., Assistant Professor, Department of Emergency Medicine, The Warren Alpert Medical School of Brown University
- November 14, 2006 *“Clinical Utility of Physical Performance Measures in Older Adults: An Update for Internists”*, Matteo Cesari, M.D., Ph.D., Clinical Staff Fellow, Geriatric Acute Care Unit, Department of Gerontology, Geriatrics and Physiatry, Catholic University of Sacred Heart, Rome, Italy
- November 21, 2006 Morbidity & Mortality Conference – Case 1: *“A 75-year-old man with rapid cognitive decline”*, Jerome Larkin, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University; Chuang Kuo Wu, M.D., Assistant Professor of Clinical Neuroscience, The Warren Alpert Medical School of Brown University; Ravitharan Krishnadasan, M.D., Clinical Assistant Professor of Medicine (pending), The Warren Alpert Medical School of Brown University
- Case 2: *“A 77-year-old man with NSTEMI and abdominal pain”*, J. Dawn Abbott, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Beth Ryder, M.D., Clinical Assistant Professor of Surgery, The Warren Alpert Medical School of Brown University; Harlan Rich, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- November 28, 2006 Nephrology Update – *“2 Million Dialysis Patients by 2030? GFR Estimates and the Epidemic of Chronic Kidney Disease”*, John W. O’Bell, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- “Cardiovascular Disease (CVD) Risk in Chronic Kidney Disease (CKD): What Role for the Management of Dyslipidemia?”*, Andrew G. Bostom, M.D., M.S., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- December 5, 2006 Morbidity & Mortality Conference – Case 1: *“A 38-year-old 25 pound adult with chest pain”*, Walter Donat, M.D., Clinical Associate Professor of Medicine, The Warren Alpert Medical School of Brown University; Brian Abbott, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University; Lawrence Kaplan, M.D.; Shamlal Mangray, M.D., Assistant Professor of Pathology and Laboratory Medicine, The Warren Alpert Medical School of Brown University; Linda Snelling, M.D., Associate Professor of Pediatrics (Clinical), The Warren Alpert Medical School of Brown University
- Case 2: *“A 40-year-old male with abdominal pain and distension”*, Benjamin Sapers, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University; J. Donald Easton, M.D., Professor of Clinical Neuroscience, The Warren Alpert Medical School of Brown University; Staci Fischer, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Harlan Rich, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- December 12, 2006 *“Developments in antifungal therapy: More choices, new challenges”*, Eleftherios E. Mylonakis, M.D., Ph.D., Assistant Professor of Medicine, Harvard Medical School
- December 19, 2006 Gastroenterology Update – *“Effects of Alcohol on the Liver and Brain”*, Liver segment – Jack R. Wands, M.D., Jeffrey and Kimberly Greenberg-Artemis and Martha Joukowsky Professor in Gastroenterology and Professor of Medical Science, The Warren Alpert Medical School of Brown University

- Brain segment – Suzanne M. de la Monte, M.D., M.P.H., Professor (Res) Pathology and Laboratory Medicine and Clinical Neuroscience, The Warren Alpert Medical School of Brown University
- January 9, 2007 The Galkin Lecture – *“Altering International Pediatric HIV Epidemic: Work in Progress”*, Catherine M. Wilfert, M.D., Professor Emerita of Pediatrics and Microbiology, Duke University Medical Center
- January 16, 2007 Cardiology Imaging Update – *“Update in Cardiac Imaging: The Utility of Standard Imaging Techniques and the Promise of Newer Technologies”*, James A. Arrighi, M.D., FACC, FASNC, Associate Professor of Medicine and Diagnostic Imaging, The Warren Alpert Medical School of Brown University; Brian G. Abbott, M.D., FACC, FASNC, Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University; Michael K. Atalay, M.D., Assistant Professor of Diagnostic Imaging and Medicine, The Warren Alpert Medical School of Brown University
- January 23, 2007 Morbidity & Mortality Conference – Case 1: *“A 30-year-old woman with acute renal failure and transaminitis”*, Michael Maher, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University; Staci Fischer, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- Case 2: *“A 56-year-old man with fever and recent travel”*, Dominick Tammaro, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University; Erna M. Kojic, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Steven LaRosa, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- January 30, 2007 *“Amyloidosis: Shifting Impressions to Hopeful”*, Martha Skinner, M.D., Professor of Medicine, Boston University School of Medicine
- February 6, 2007 *“Disorders of Osmolality: From Basic Mechanisms to Clinical Care”*, Mark L. Zeidel, M.D., Herrman L. Blumgart Professor of Medicine, Harvard Medical School
- February 13, 2007 Morbidity & Mortality Conference – Case 1: *“A 22-year-old female with SLE presenting with fever and hematuria”*, Kevin Dushay, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Stuart Schwartz, M.D., Clinical Associate Professor of Medicine, The Warren Alpert Medical School of Brown University; James Klingler, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- Case 2: *“A 22-year-old female with SLE and recent hospitalization with acute mental status change”*, Kevin Dushay, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Joseph Sweeney, M.D., Professor of Pathology and Laboratory Medicine, The Warren Alpert Medical School of Brown University; J. Donald Easton, M.D., Professor of Clinical Neuroscience, The Warren Alpert Medical School of Brown University
- February 27, 2007 Hematology/Oncology Update – *“Myeloproliferative Disorders”*, Peter J. Quesenberry, M.D., Professor of Medicine, The Warren Alpert Medical School of Brown University and Boston University School of Medicine
- “Novel Advances in Stem Cell Transplant”*, Eric S. Winer, M.D., Assistant Professor of Medicine (pending), The Warren Alpert Medical School of Brown University
- “New Treatment Paradigms for Chronic Lymphocytic Leukemia”*, Gerald A. Colvin, D.O., Associate Professor of Medicine (pending), The Warren Alpert Medical School of Brown University
- March 6, 2007 *“Antiphospholipid Syndrome: Update on Diagnosis and Therapy”*, Lisa R. Sammaritano, M.D., Associate Professor of Clinical Medicine, Division of Rheumatology, Medical College of Cornell University / Hospital for Special Surgery

- March 13, 2007 Morbidity & Mortality Conference – *“A 73-year-old with hemoptysis”*, Mark Schleinitz, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Alice Bonitati, M.D., Associate Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University; Ravitharan Krishnadasan, M.D., Clinical Assistant Professor of Medicine (pending), The Warren Alpert Medical School of Brown University
- Case 2: *“A 66-year-old man with six weeks of increasing abdominal girth”*, Mark Fagan, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University; Steven LaRosa, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Sripathi Kethu, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- March 20, 2007 *“Prostate Cancer: Choosing a Treatment and Documenting the Consequences”*, James A. Talcott, M.D., S.M., Associate Professor of Medicine, Harvard Medical School
- March 27, 2007 General Internal Medicine Update – *“Perioperative Prevention of Venous Thromboembolism”*, Dominick Tammaro, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University
- “The Evolving Role of Medical Prophylaxis in Perioperative Cardiac Risk Assessment”*, Benjamin L. Sapers, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University
- April 3, 2007 *“Are All Diseases Infectious?”*, Bennett Lorber, M.D., DSc (Hon.), Thomas M. Durant Professor of Medicine, Professor of Microbiology and Immunology, Temple University School of Medicine
- April 10, 2007 Morbidity & Mortality Conference – Case 1: *“A 43-year-old man with left groin pain”*, Edward Wu, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University; Leonard Mermel, D.O., Professor of Medicine, The Warren Alpert Medical School of Brown University
- Case 2: *“A 52-year-old man with fevers and chills”*, Adam Niedelman, M.D., Teaching Fellow, The Warren Alpert Medical School of Brown University; Steven LaRosa, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
- April 17, 2007 Cardiology Update – *“Post-Genomic Approaches to Decipher the Mechanisms of Cardiac Arrhythmias”*, Alfred E. Buxton, M.D., Professor of Medicine, The Warren Alpert Medical School of Brown University; Gideon Koren, M.D., Professor of Medicine, The Warren Alpert Medical School of Brown University
- “Implications and Management of Stent Thrombosis”*, David O. Williams, M.D., Professor of Medicine, Division of Biological and Medical Sciences, The Warren Alpert Medical School of Brown University
- April 24, 2007 Infectious Diseases Update – *“Clostridium difficile: Another Emerging Public Health Threat”*, L. Clifford McDonald, M.D., Acting Chief, Prevention and Response Branch (Proposed), Division of Healthcare Quality Promotion, Centers for Disease Control and Prevention
- May 1, 2007 The Beckwith Visiting Professorship Lecture – *“The Expanding Curricular Opportunities in Medical Education”*, Kelley M. Skeff, M.D., Ph.D., FACP, George DeForest Barnett Professor of Medicine, Stanford University Medical Center
- May 8, 2007 Morbidity & Mortality Conference – Case 1: *“A 49-year-old woman with altered mental status”*, Dominick Tammaro, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University; Peter Quesenberry, M.D., Professor of Medicine, The Warren Alpert Medical School of Brown University
- Case 2: *“A 46-year-old woman with chest pain”*, Michael Maher, M.D., Assistant Professor of

Medicine (Clinical), The Warren Alpert Medical School of Brown University; Michael Gilson, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University

Case 3: *“A case of typhoid fever”*, Jerome Larkin, M.D., Assistant Professor of Medicine (Clinical), The Warren Alpert Medical School of Brown University

May 15, 2007 Fifteenth Annual Senior Residents Research Day - *“Successful Mitral Valve Repair is Associated with Preoperative Left Ventricular Function and Immediate Post Repair Anterior Leaflet Mobility”*, Sarah Tsiaras, M.D., House Staff Officer, The Warren Alpert Medical School of Brown University
“Rising Severity Scores in Severely Ill Patients: Predicting Futility”, Eric J. Gartman, M.D., House Staff Officer, The Warren Alpert Medical School of Brown University

“Accuracy of Door-to-Balloon Time as a Measure of Door-to-Reperfusion Time in ST Elevation Myocardial Infarction”, Lori L. Vales, M.D., House Staff Officer, The Warren Alpert Medical School of Brown University

May 22, 2007 Rheumatology Update – *“Scleroderma (Systemic Sclerosis): Is There Reason for Optimism in 2007?”*, Edward V. Lally, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University

June 5, 2007 Morbidity & Mortality Conference – Case 1: *“An 88-year-old woman with malaise, weakness and hip pain”*, Eric Berger, M.D., Clinical Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University; Andrew Bostom, M.D., Associate Professor of Medicine, The Warren Alpert Medical School of Brown University; Kristin E. Ellison, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University

Case 2: *“A 38-year-old man with arm swelling”*, Todd Wood, M.D., House Staff Officer, The Warren Alpert Medical School of Brown University; Ravi Krishnadasan, M.D., Clinical Assistant Professor of Medicine (pending), The Warren Alpert Medical School of Brown University

June 12, 2007 The Grace McLeod Rego Memorial Lecture – *“It’s Not Your Grandma’s Residency Anymore: The Past, Present, and Future of Internal Medicine Residency Education”*, Donald R. Bordley, M.D., William L. Morgan Professor of Medicine, University of Rochester Medical School

June 19, 2007 Pulmonary Update – *“Should We Ration Critical Care Services?”*, Nicholas S. Ward, M.D., FCCP, Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University
“Update on Smoking Cessation and Nicotine Addiction”, Kevin Dushay, M.D., Assistant Professor of Medicine, The Warren Alpert Medical School of Brown University

June 26, 2007 *“Hepatocellular Carcinoma 2007: An evidence based approach to management”*, Kevin P. Charpentier, M.D., Assistant Professor of Surgery, The Warren Alpert Medical School of Brown University



Resident Research Day Poster Competition—May 2007

CLINICAL ACTIVITY

Eight Year Period Including: FY 1999, FY 2000, FY 2001, FY 2002, FY 2003, FY 2004, FY 2005 and FY 2006

RHODE ISLAND HOSPITAL

	FY 99 10/98–9/99	FY 00 10/99–9/00	FY 01 10/00–9/01	FY 02 10/01–9/02	FY 03 10/02–9/03	FY 04 10/03–9/04	FY05 10/04–09/05	FY06 10/05–09/06
Inpatient Admissions/Discharges	12700	11647	11909	13477	12725	12983	14503	15205
Outpatient Volume	122296	126846	142861	132793	133302	145259	134078	149491

THE MIRIAM HOSPITAL

	FY 99 10/98–9/99	FY 00 10/99–9/00	FY 01 10/00–9/01	FY 02 10/01–9/02	FY 03 10/02–9/03	FY 04 10/03–9/04	FY05 10/04–9/05	FY06 10/05–09/06
Inpatient Admissions/Discharges	7604	7532	8219	8273	8383	9004	9566	9038
Outpatient Volume	42124	37009	43504	81775	95297	121184	134856	131960

MEMORIAL HOSPITAL OF RHODE ISLAND

	FY 99 10/98–9/99	FY 00 10/99–9/00	FY 01 10/00–9/01	FY 02 10/01–9/02	FY 03 10/02–9/03	FY 04 10/03–9/04	FY 05 07/05–06/06	FY 06 07/06–06/07
Inpatient Admissions/Discharges	7617	7896	7560	7698	7703	7888	7169	7510
Ambulatory Visits	22125	26277	26740	41197	40,314	42,633	34755	32250

PROVIDENCE VETERANS ADMINISTRATION MEDICAL CENTER

	FY 99 10/98–9/99	FY 00 10/99–9/00	FY 01 10/00–9/01	FY 02 10/01–9/02	FY 03 10/02–9/03	FY 04 10/03–9/04	FY05 10/04–9/05	FY06 10/05–09/06
Admissions	1836	1809	1642	1779	1988	2674	2184	2028
Discharges	1750	1718	1558	1698	1899	2650	2105	1921
Ambulatory Visits	77800	81532	85292	92681	93602	97653	101690	101785

RESEARCH OVERVIEW

Brown University has long been regarded as a leader in all aspects of health care and teaching, including research. In 1998, the recruitment of Dr. Edward Wing as the Chief of Medicine signaled an acceleration of an already growing and expansive commitment to basic and clinical research within the Brown University Academic Medical Center Department of Medicine. Research funding within the Department of Medicine at Rhode Island Hospital, Memorial Hospital of Rhode Island, Veterans Administration-Providence and The Miriam Hospital grew from \$9.9 million in 1997 to over \$37 million in 2006—greater than a 300% increase over that period. Over 75% of current funding comes from federal programs such as NIH, HRSA, CDC, and HHS.

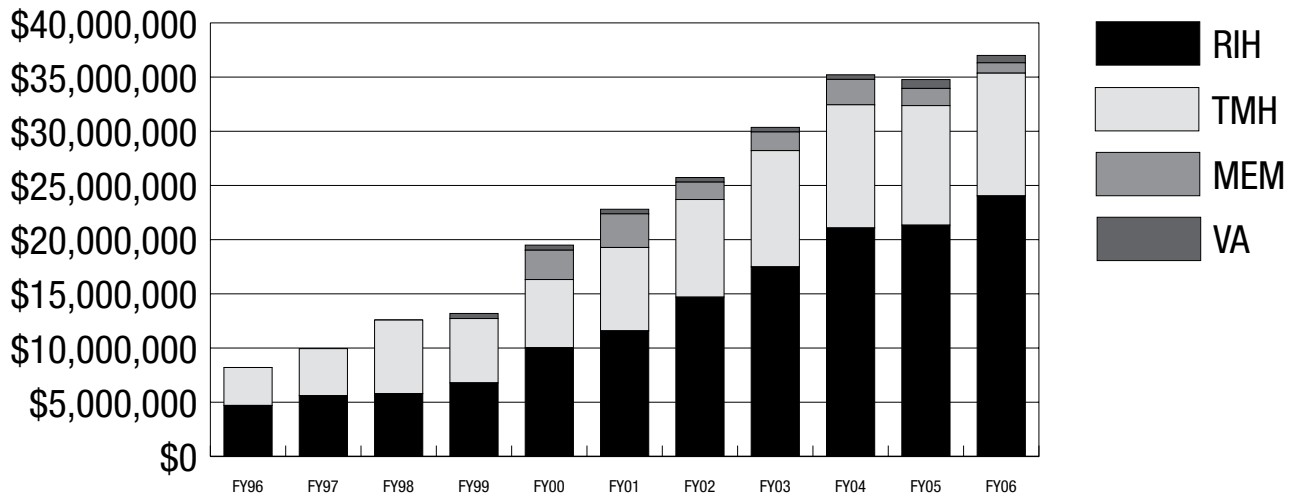
The major research laboratories, animal facilities and centers at Brown are located among all the affiliates with Rhode Island Hospital accounting for the majority (65% of overall Department of Medicine funding). These laboratories are highlighted by the Galletti Research Building, a 60,000+ square foot research facility, which houses the Liver Research Center, Diabetes Research Center, and Infectious Disease laboratories as well as the Coro research facility which houses the Hallett Center for Diabetes, Genomics and Proteomics Center, and Cardiovascular Research Center. Future plans for research in the Coro facility include a new 10,000 square foot Medical Oncology research laboratory and new Rheumatology research program.

Both basic and clinical research are well represented in the Department. For basic research, major strengths include the Liver Research Center (directed by Dr. Jack Wands), Diabetes and Endocrinology Research Center (directed by Dr. Robert Smith), and Medical Oncology and Stem Cell Research (directed by Dr. Peter Quesenberry), which among other research grants received a multi-million dollar COBRE grant from the National Institutes of Health that established a Genomics and Proteomics Core laboratory.

Clinical Research strengths include the Infectious Disease program under Dr. Timothy Flanigan, which has a major program in both domestic and international HIV/AIDS (including an NIH funded Center for AIDS Research program and T-32 Training grant from NIH, and Fogarty International program), General Internal Medicine Substance Abuse Research Unit, under Dr. Michael Stein, and the Cardiology research groups under Dr. David Williams (Interventional Cardiology) and Dr. Alfred Buxton (Electrophysiology).

With ongoing recruitments for both senior and junior faculty, increasing successes of our existing faculty, research for the Department of Medicine should continue to grow and become even stronger in the future.

RESEARCH GROWTH FY96–FY06





BROWN Alpert Medical School

When it comes to clinical experience, Alpert Medical School of Brown University offers an enviable experience. It is Rhode Island's only school of medicine and home to a community of scholars and physicians dedicated to the highest standards in education, research, and health care.

Since 1975, when it conferred its first medical degrees, the School has had two major goals for its graduates: that they be broadly and liberally educated men and women, and that they view medicine as a socially responsible human service profession.

The five Affiliated hospitals serve one and a half million people of diverse backgrounds and socioeconomic status, all within a fifteen-minute drive of the Brown campus on College Hill.

The road to becoming a physician or scientist at Alpert Medical School takes students to these hospitals as well as to countless other clinical sites, such as community practices throughout the state, inner city clinics, biotech companies and to our international health programs throughout the world. These sites provide a range of diverse training opportunities for medical students and residents.

The Medical School and its hospital partners are the anchors of Rhode Island's academic medical center.

AFFILIATED HOSPITALS



Rhode Island Hospital

Rhode Island Hospital, with 719 beds, is the state's largest hospital and the third largest hospital in New England. It is designated as the Level 1 Trauma Center for southeastern New England, providing expert staff and equipment in emergency situations 24 hours a day. Rhode Island Hospital is home to a Comprehensive Cancer Center. Its pediatric division, Hasbro Children's Hospital, opened in 1994 and cares for some 7,000 inpatients and 60,000 outpatients annually.



The Memorial Hospital of Rhode Island

The Memorial Hospital of Rhode Island is a 294-bed hospital that serves a community of more than 180,000 people in Pawtucket and the Blackstone Valley region of Rhode Island. Memorial's rehabilitation center focuses on services to patients afflicted by stroke, amputation, or neurological disability and includes comprehensive inpatient and outpatient services. The hospital offers cutting-edge cancer care and is the practice base for the Brown residency program in family medicine.

The Miriam Hospital

The Miriam Hospital is a 247-bed facility that provides a broad range of primary, secondary and tertiary medical and surgical services to adolescents and adults in 31 medical and surgical specialties and sub-specialties. Miriam Hospital is noted for its specialty services in AIDS at the Samuel and Esther Chester Immunology Center and in cardiac care. The Women's Cardiac Center at The Miriam Hospital offers complete diagnostic and clinical cardiology services, cardiovascular surgery and cardiac rehabilitation to women.



Women & Infants Hospital of Rhode Island

Women & Infants' Hospital of Rhode Island, which houses 137 single patient rooms and 120 infant bassinets, is one of the nation's leading specialty hospitals for women and newborns. The primary teaching affiliate of Brown Medical School for obstetrics, gynecology and newborn pediatrics, Women & Infants is the tenth largest obstetrical service in the country with more than 9,700 deliveries per year. In 2003, Brown University and Women & Infants were named a National Center of Excellence in Women's Health by the U.S. Department of Health and Human Services. The hospital offers specialty gynecological services as well, for treatment of infertility and cancer, including the Breast Health Center, a specialized center offering education, support, diagnosis and contemporary treatment for all breast health problems.



The VA Medical Center

The VA Medical Center is a 230-bed facility providing acute inpatient and ambulatory care in medicine, surgery, psychiatry and neurology. The hospital admits approximately 5,000 veterans annually and provides over 150,000 outpatient visits in 41 clinics. It is a regional center for treatment of post-traumatic stress disorder. The hospital also provides special medical services in the areas of dialysis, substance abuse treatment, rehabilitative medicine, and prosthetics.



Alpert Medical School of Brown University is also affiliated with The Emma Pendleton Bradley Hospital and Butler Hospital, its associated psychiatric facilities.