Patient Care, Teaching & Research

Rhode Island Hospital/Hasbro Children’s Hospital
The Miriam Hospital
Memorial Hospital of Rhode Island
Women & Infant’s Hospital
Veteran’s Administration Medical Center
January 2011 The Warren Alpert Medical School of Brown University

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Brown University, Providence, and New England

Brown University and Providence, Rhode Island together provide a pleasant and interesting setting for study, recreation, and daily life. From atop College Hill the University overlooks downtown Providence, the capital of Rhode Island and the second largest city in New England. The University was founded in 1764. Its architecturally diverse buildings and quadrangles center on the original College Green. In the surrounding residential area are houses that date back to colonial times, together with various historic sites, including the Old State House, where independence in America was first declared and the First Baptist Meeting House, the oldest Baptist Church in America.

Contemporary life in Providence complements the city's interesting history. One can walk from the campus to a variety of restaurants, to the nationally renowned Trinity Square Repertory or to a jazz club or dance performance. Attractions also include several art galleries, including the Rhode Island School of Design Museum of Art.

On the Brown campus are plays, concerts, movies, lectures, art exhibits, and many other sources of entertainment and intellectual stimulation throughout the year. A modern athletic complex within easy walking distance from the main campus offers swimming in a modern Olympic-sized pool, extensive exercise equipment, squash and tennis courts, and ice-skating, as well as playing fields and facilities for intramural and varsity team sports.

Rhode Island is especially known for recreational opportunities centered on the ocean and Narragansett Bay, including boating, fishing, sailing, and swimming. Newport, the site of some of the nation’s most magnificent mansions and for many years home of the America’s Cup sailing races, is less than an hour away. Providence is an hour by car, bus or train from Boston, an hour from Cape Cod, about three hours from major New Hampshire and Vermont ski areas, and three and a half hours from New York City. At the T.F. Green Airport, ten minutes from downtown Providence, several major airlines offer frequent service to all major points in the United States.
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- Pulmonary, Critical Care & Sleep Medicine
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GRAND ROUNDS

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BROWN, PROVIDENCE & NEW ENGLAND
The past two years have been a time of significant challenges, but also of tremendous opportunity and growth for the Department of Medicine of the Warren Alpert Medical School. Despite a difficult economic climate and a rapidly evolving health care system, the Department has continued to experience remarkable success in its clinical, educational and research missions. Notable has been the recruitment of over 70 new physicians and faculty into our ranks who have invigorated our academic and clinical programs. Our core residency and fellowship programs remain extremely strong, attracting outstanding physicians to train in our institutions each year. Many of these programs recently underwent a very positive external review, receiving high marks and long term renewals. The purpose of this report is to highlight some of the significant accomplishments of our faculty and trainees during the 2008 and 2009 academic years.

Developing new models for the delivery of primary care that improve patient outcomes while controlling costs has become a priority for the nation. The Department has devoted considerable attention to this issue and is helping to design and actively participating in novel health maintenance and disease management programs. Drs. Frank Basile and Tom Bledsoe have spearheaded the development of the patient centered medical home; an advanced primary care practice model where comprehensive care is provided by a physician led team and is personalized to the patient’s own, self-management goals. The team, which includes medical assistants, patient educators, nutrition, pharmacy, mental health professionals and other medical specialists, commits to population-based care using an electronic medical record and outcome tracking. Over the next year, we hope to extend this model to include many of the primary care practice sites within the Department. Coincident with this effort, an integrated electronic medical record is being implemented that will knit together the patient records and outpatient practices of many of the full-time faculty in the Department. This tool will greatly facilitate our ability to track patient outcomes and to improve the quality of medical care in the outpatient setting.

Within our hospitals, the Hospital Medicine Division has experienced explosive growth over the past two years. The expanding role of hospital physicians has been driven by recent trends in medical practice and medical education. The number of community based practitioners who elect to follow their patients during a hospital admission has been progressively declining. At the same time, limitations on housestaff work hours have reduced the number of patients that are admitted and followed by residents. Led by Sajeev Handa at Rhode Island Hospital and by Kwame Dapaah-Afriyie at The Miriam Hospital, the Division of Hospital Medicine has more than tripled in size and now includes over 50 physicians. This talented team of doctors provides high quality, integrated clinical care to majority of patients admitted to medicine at these institutions. In addition, our hospitalists are increasingly involved in resident and medical student education and play an important role in assessing and improving the quality of medical care for our patients.

This past year, the Alpert Medical School in collaboration with Women and Infant’s Hospital, established a new Division of Obstetrical Medicine, making us the first Department of Medicine in the United States with such a division. Led by Dr. Karen Rosene-Montella, the program in Obstetric Medicine at Women & Infants
Hospital has existed for more than sixteen years, during which time it has grown into a multidisciplinary division with an international reputation. Clinically, the obstetric medicine practice sees thousands of patients annually for medical problems in pregnancy and perinatal behavioral health. Academically, the new Division houses the only Obstetric Medicine Fellowship in the US and has developed the obstetric medicine curricula for internal medicine trainees both nationally and internationally. The Presidents of both the North American and International Societies of Obstetric Medicine are members of the Division. The division also includes active research programs examining a broad array of topics including thrombosis prevention, prediction of pre-eclampsia, detection and management of hyperthyroidism, and sleep disturbances in pregnancy. The new academic division will continue to serve as a major resource to physicians, patients and trainees learning and working in this important area.

Clinical and academic programs have also continued to grow at the VA, under the leadership of Dr. Sharon Rounds and at Memorial Hospital under the direction of Dr. Andrew Artenstein. This has included the addition of new faculty in many divisions, ongoing participation in our internal medicine resident and fellowship training programs, and continued success of the research programs at both hospitals, which attract significant extramural funding. One notable accomplishment was the funding of a new T32 training grant in cardiology, that is jointly led by the Director of the Cardiovascular Research Center at Rhode Island Hospital, Dr. Gideon Koren, and by Dr. Sharon Rounds at the VA, who also directs a multi-institutional vascular biology research program. The new Center for Biodefense and Emerging Pathogens at Memorial Hospital directed by Dr. Andy Artenstein has continued its successful role both within Brown and within Rhode Island. Dr. Artenstein, along with the Center’s Associate Director, Dr. Peggie Neill at Memorial Hospital, have provided community based education around biodefense to a variety of medical and public safety personnel. Center physicians provide round the clock consultative services for the RI Department of Health for bioterrorism concerns. Dr. Peggie Neill chairs the Bioterrorism Work Group for the Infectious Disease Society of America and has played a major role in educating infectious disease physicians on these issues since 9/11.

International health remains an important area of focus for the Medical School and for the Department. In 2009, Brown University launched the Global Health Initiative (GHI), a multidisciplinary university-wide program to address health inequalities among underserved populations worldwide. Susan Cu-Uvin, Professor of Obstetrics and Gynecology and Medicine is the Director of the GHI; many other Department faculty on its Executive Committee and/or participating in its programs. Department members are actively engaged in providing care, teaching, and conducting research in many countries including Kenya, Ghana, the Dominican Republic, Haiti, China, India, and Vietnam to name a few. Established by Dean Edward Wing when he was Chair of the Department, and by Dr. Jane Carter, the partnership with Moi University in Eldoret, Kenya has been thriving for more than 10 years and has expanded beyond HIV and infectious diseases to include collaborative programs in diabetes, oncology, and nephrology. These international programs allow faculty, students and trainees to experience medical practice outside our normal confines and also provide a wealth of opportunities for service, education and research.

Research in the Department has remained strong despite a challenging funding climate. Extramural support for research within the Department averages about $40 million dollars per year; the vast majority of grants are from federal sources. For example, in the past year, the Oncology program was awarded two separate COBRE grants that together will bring over $20 million dollars of direct support for cancer research to the Department over the next five years. Exciting work is ongoing and significant new funding has also been obtained by department faculty in cardiovascular medicine, liver and gastroenterology, kidney disease and hypertension, general internal medicine, infectious disease and immunology, diabetes and endocrinology, all of which have robust translational and basic research programs. In 2009, the Department launched a new developmental grant program designed to support young investigators and to position them to compete successfully for extramural funding. Important goals in the coming years are to continue to expand the research portfolio in the Department, as well as to develop more extensive collaborative programs and centers with investigators on the Brown campus and throughout our multi-hospital system that will cross traditional institutional barriers.

It has been my privilege and a great honor to serve as Interim Chair of the Department for the past two years. Most of all, I have enjoyed and benefited from the opportunity to work closely with the outstanding group of faculty, trainees, and staff that make up the Department. Our success is entirely the result of their remarkable intelligence, dedication, and hard work, of which I see evidence every day and in every activity. It is satisfying to know that, with such talented academicians and professionals in place, the future of the Department is bright.
# Department of Medicine Organization

## Office of the Chairman

**Lance D. Dworkin, M.D.**
Interim Chairman of Medicine  
Interim Physician-in-Chief, Rhode Island and The Miriam Hospitals  
Executive Physician-in-Chief, Memorial Hospital of Rhode Island, VA Medical Center, Women and Infants Hospital  
Professor of Medicine

**Fred J. Schiffman, M.D.**
Professor of Medicine  
Vice Chairman of Medicine  
Associate Director of Categorical and Preliminary Internal Medicine Residency Programs, The Miriam Hospital

**Dominick Tammaro, M.D.**
Associate Professor of Medicine  
Director of Internal Medicine Residency, Associate Chief for Clinical Affairs, Rhode Island Hospital

## Department Administration

**Peter Ceriani, MBA**  
Administrator, Rhode Island and The Miriam Hospitals  
CEO, University Medicine Foundation

**Dan Bryant**  
Research Administrator, Rhode Island and The Miriam Hospitals

**Denise Lavelly-O’Hara**  
Administrator, Internal Medicine Graduate Medical Education

**Tricia Meehan**  
Administrative Coordinator, Faculty Actions

**Mena Orabano**  
Administrative Secretary

## Division Organization

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*Interim
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### FACULTY BY DIVISION

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CHAIRMAN'S ASSOCIATES

As Vice Chairman of the Department of Medicine, Dr. Fred J. Schiffman assumes several roles. He works closely with Dr. Lance Dworkin 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. A new hematology/oncology inpatient team was instituted this past July (2009). 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 33% 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 three 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.

Many of the Department of Medicine's international programs have been spearheaded by Miriam Hospital physicians and students, residents, fellows and attending physicians benefit from these relationships. The Cardiology Division boasts about being a five 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

Dominick Tammaro was appointed as Associate Chief of Clinical Affairs in March 2006 and was recently appointed Residency Director for the Department of Medicine in July, 2008. As Residency Director, Dr. Tammaro provides oversight of the operations and development of educational programs, faculty recruitment, and the coordination of educational programs. 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. 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 and Neurology.

The residency programs continue to thrive and demonstrate strong performance in both objective and subjective quality measures. Resident recruitment has remained strong, with Categorical, Primary Care and Med/Peds all demonstrating best Match Day performances for the last 10 years. Applications to the Internal Medicine residencies are up 15% this year and for Med-Peds, an impressive 50% increase in applications was seen. ABIM Certification Exam pass rates and Fellowship Match performance remain strong as well. We are proud to see an increasing number of our graduates among the ranks of program directors and associate program directors at the annual Association of Program Directors in Internal Medicine meetings.

The leadership team for the Internal Medicine Residency programs has evolved and expanded. Dr. Kelly McGarry continues her excellent leadership as Program Director of the Primary Care Program, developing new initiatives in Professionalism education and Performance Improvement for residents. Dr. Fred Schiffman continues to contribute his years of experience in graduate medical education as Associate Residency Director at the Miriam Hospital. Dr. Jennifer Jeremiah serves as Associate Residency Director and is primarily responsible for the program’s Community Based Teaching Program, in which residents spend 1/2 day per week in community primary care and subspecialty offices over the course of their PGY-2 and PGY-3 years. She has also led our team in the development of new evaluation and faculty development initiatives. Finally, Dr. Ravi Gupta joins the residency leadership team as our newest Associate Residency Director after completing his chief resident year. Dr. Gupta directs the Preliminary Internal Medicine Program and is involved both in developing new evaluation tools as well as utilizing simulation as an educational tool.

The last two academic years have been marked by growth and development in several areas, 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 lead to further expansion of the hospitalist groups at both Rhode Island Hospital and the Miriam Hospital in an effort to keep pace with this expanding patient population, while maintain a strict ceiling on house staff admissions and census 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. The Division of Hospitalist Medicine is now the largest division within the Department of Medicine.

A new inpatient ward design at Rhode Island Hospital, begun in 2006, has enjoyed continued success and growth. Faculty and fellows in Hematology/Oncology and Nephrology have been working closely together and the resulting experience for medical housestaff has added diversity and depth to their experience. A new Primary Care Service has built upon a successful foundation of community-based internist educators who participate in both ambulatory primary care as well as inpatient hospitalist care. This blended model has resulted in a unique and valuable experience for medical residents. The success of the hematology/oncology inpatient service at Rhode Island Hospital has led to the creation of a similar team at Miriam, which has met with similar success, owing in large part to the commitment to this experience by faculty and fellows. The program continues to evolve and capitalize on strengths of the Department of medicine and core institutions.

The Physical Plants at both Rhode Island Hospital and the Miriam Hospital have undergone extensive renovation and modernization over the last two years. The new Baxt Building at Miriam provides patient-focused clinical care space with provision for family and provider amenities. State of the art conference facilities are also part of this new addition. The new Bridge Building at Rhode Island Hospital houses a spacious new CCU and Intermediate Cardiac Care Unit, as well as spacious modern general medical floors with ample computer and provider spaces. Finally, a large-scale renovation and modernization of the Jane Brown Building, where most of the Internal Medicine teaching service patients are located, is nearing completion as of this writing.

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. The residency programs will continue to incorporate competency-based education and evaluation techniques in order to assure that new physicians are trained in the same hands-on manner for which these programs have been recognized, while enhancing the focus on performance improvement, quality of care, and patient safety.
DIVISIONS
DIVISION OF CARDIOLOGY
OVERVIEW

The Cardiology Division has grown 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. Dr. J. Dawn Abbott holds a principal position in the NIH-funded Dynamic Registry of Interventional Catheterization. Dr. Abbott also played a major role in a new initiative to improve the care of patients with acute myocardial infarction. Working in collaboration with members of the Emergency Department, and coincident with the opening of a unique new cardiac catheterization laboratory in the Emergency Room at Rhode Island Hospital (RIH), this collaboration led to a dramatic reduction in the “door to balloon time” for acute interventions of patients with myocardial infarction. This effort resulted in a national award for excellence. Dr. Athena Poppas, Director of the Rhode Island Hospital Echocardiography Laboratory, Chaired the Women’s Cardiovascular Committee of the American College of Cardiology (ACC) and served as a member of the Women in Cardiology Committee of the American Heart Association (AHA). Dr. Poppas also serves on several committees of the American Society of Echocardiography. Dr. James Arrighi, Director of Nuclear Cardiology at RIH, Chaired the Integrated Imaging Spotlight Committee for the ACC 2008 Annual Scientific Meeting. He served on the Abstract Selection Committee of the AHA, and is Secretary of the Board of Directors of the American Society of Nuclear Cardiology. Dr. Brian Abbott Co-Chaired the Integrated Imaging Spotlight Committee for the ACC 2009 Annual Scientific Meeting. Dr. Abbott served on the Board of Directors of the American Society of Nuclear Cardiology. Dr. Peter Tilkemeier served on the Writing Committee to develop clinical data standards for cardiac imaging of the American College of Cardiology Foundation, and also served on the Program Committee of the American Society of Nuclear Cardiology Annual Meeting. Alfred Buxton chaired both the Joint American Heart Association (AHA)/ACC and Heart Rhythm Society (HRS) Committee on Electrophysiology Data Standards. Dr. Buxton served on the American Board of Internal Medicine Test Writing Committee on Electrophysiology and Interventional Cardiology.

The Cardiovascular Research Center (CVRC) made noteworthy progress and achievements from 2007–2009. Dr. Koren, Director of the CVRC, serves on an NIH study section. Dr. Ulrike Mende, faculty in the CVRC, has been recognized internationally for her research investigating mechanisms of intracellular signaling, utilizing G proteins. Dr. Mende served on several NIH Panels. CVRC research grant funding increased by over 50% for the 2008–2009 academic year with the funding of a new T32 Cardiopulmonary training grant, as well as a new ROI. Research exploring mechanisms of arrhythmias responsible for sudden cardiac death is a major focus of the CVRC, and a model of long QT syndrome utilized here is found nowhere else in the world at this time. Groundbreaking research exploring gender differences in risk for sudden death is being recognized for the CVRC. The CVRC submitted a grant to establish a Cell Imaging Core facility. In addition, the CVRC’s educational program continues to thrive, involving both Brown graduate and undergraduate students. In addition, the CVRC recruited the first group of four T32 fellows, a diverse and highly qualified group of trainees. Feedback from the students and trainees is that the experience is very fulfilling and the teaching is excellent.
The Cardiology Division of the Medical Service at the Providence Veterans Administration Medical Center is responsible for all inpatient cardiac care and for outpatient cardiology clinics. The inpatient team provides consultation service to the ICU, acute med-surg units as well as the emergency department. The division is also responsible for outpatient cardiology clinics, which consist of general cardiology clinics as well as subspecialty clinics including Pacemaker, CHF and cardiac risk reduction clinics. In addition, scheduled outpatient procedures such as cardioversions and TEE are performed in the ambulatory day treatment unit. Inpatient procedures are performed in the ICU and the PACU. Satish Sharma, M.D. is Chief of Cardiology as well as the Director of the Specialty and Acute Care service line for the VA New England Healthcare System (VISN 1). Wen-Chih Wu, M.D., serves as the site director for the fellowship program, and Gaurav Choudhary, M.D., is the director of outpatient cardiology.

The Cardiology at the Veterans Administration Medical Center (VAMC) division is an integral part of the Brown University program and provides two regular rotations for the general cardiology fellows, the inpatient consultation service and the non-invasive testing service. In addition, the division has been approved recently by the Brown University GME office for a 1-2 year fellowship in preventive cardiology. VA faculty members participate as lecturers in the core curriculum lecture series for the cardiology fellows. At the VAMC, a weekly EKG reading session for internal medicine residents as well as a one-month cardiology elective for medicine residents from the Brown University affiliated hospitals is provided. All faculty members participate as lecturers in the cardiology lecture series of the core curriculum of the medicine residents. The faculty members also provide a quarterly EKG course for the Brown University 3rd year Medical Students as part of their core curriculum in internal medicine. In addition, a one-month cardiology elective for medical students is offered. The VAMC faculty members are active participants in the second year Pathophysiology course at the Alpert Medical School of Brown University as small group leaders (Choudhary) and lecturers (Wu, Choudhary, Shin). As Section editor for Ferri’s Clinical Advisor, Dr. Wu in conjunction with Dr. Choudhary, has worked with fellows (cardiology, pulmonary, preventive cardiology) and internal medicine residents on book chapters in the current review of multiple specialized topics of interest (25 book chapters).

The clinical cardiology fellowship program continues to recruit outstanding candidates from major residency programs throughout the country. The core fellowship program includes six trainees per year for a minimum of three years. The first two 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. 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 two years, there have been several initiatives that have focused on improving education and/or patient care. Our program has been selected as one of three fellowships nationally to evaluate a new online “teaching portfolio” being developed by the American College of Cardiology. Also, we have acquired a new online teaching resource through the ACC, called Cardiosource, that provides fellows and faculty with a wealth of teaching materials, CME activities, and meetings demand. The fellows’ Cardiology Clinic in APC5 continues to thrive, delivering cardiology services to the underserved and needy population of Rhode Island. Finally, the interventional cardiology fellowship programs of Rhode Island and Miriam Hospitals have merged into one single program, under the leadership of Dr. J. Dawn Abbott. This will allow more robust program, and will facilitate educational and research interactions among faculty and trainees.

The nuclear cardiology laboratory at Rhode Island Hospital is directed by Dr. James Arrighi. The laboratory performs approximately 2000 SPECT studies per year, utilizing the most state-of-the-art techniques. The laboratory maintains a database, and is actively involved in clinical research. Likewise at The Miriam Hospital (TMH), the nuclear cardiology laboratory is directed by Dr. Peter Tilkemeier. Dr. Tilkemeier has been recognized nationally for his work enumerating standards for nuclear cardiology imaging facilities. Dr. Tilkemeier served as a member of the ACC Quality in Imaging Summit in addition to the ACC Writing Committee for cardiac imaging data standards.
Drs. Tilkemeier and Arrighi have collaborated to create a unified reporting system for nuclear cardiology imaging between Rhode Island and Miriam Hospitals. Cardiac positron emission tomography (PET) remains a small, but unique program, offering myocardial viability studies in patients with severe coronary disease and left ventricular dysfunction.

The nuclear laboratory also is involved in clinical research projects in several areas. We currently are conducting a pilot study that evaluates fluorodeoxyglucose uptake by PET in peripheral arteries, as a sign of worsening peripheral artery disease. Another study that investigated the utility of stress myocardial perfusion imaging prior to bariatric surgery was presented at a national cardiology meeting, and is in the final stages of submission of the paper. The lab continues to be a valuable resource for resident research. Ongoing resident projects include analysis of the appropriateness of myocardial perfusion studies performed in the Chest Pain Unit; the interaction of workload and gender on the incidence of ischemia in exercise stress testing; and the significance of severe ST depression with normal perfusion images.

The Cardiac Arrhythmia Program and Clinical Electrophysiology Laboratory continued to see growth in clinical activity. The atrial fibrillation ablation program has grown several fold, aided by acquisition of state-of-the-art 3 dimensional mapping systems that facilitate precise localization of foci of arrhythmia. An active collaboration with Dr. Michael Atalay (Diagnostic Imaging) has integrated cardiac magnetic resonance imaging (MRI) with electrophysiologic studies enhancing the performance of clinical ablation for ventricular tachycardia. In addition, an active research program utilizing cardiac MRI supported by a local seed grant has resulted in new understanding of structural requirements for development of ventricular arrhythmias and sudden death after myocardial infarction. Dr. Kristin Ellison initiated a new program extracting leads from implanted pacemakers and defibrillators. This type of high risk service requires extraordinary collaboration between cardiology and cardiothoracic surgery, and is only available in selected centers in the country.

The electrophysiology service opened a new clinical laboratory at The Miriam Hospital (TMH) in October 2008 that now permits implantation of sophisticated cardiac pacemakers and defibrillators. This has enhanced patient care, reducing hospital stays at TMH. The clinical database at TMH is fully integrated with the RIH database facilitating integrated patient care across the Lifespan system.

The cardiac catheterization laboratories at RIH and TMH provide state of the art diagnostic and interventional services for coronary as well as peripheral vascular disease. The response times for intervention in acute myocardial infarction lead national standards.

The echocardiography laboratory at RIH, under the direction of Dr Athena Poppas, continues to grow in breath 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 eight state of the art echocardiography carts, two dedicated stress echo rooms and one for transesophageal procedures; the lab is all 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 to perform intraoperative transesophageal studies.

The Rhode Island Heart Failure Program is one of the busiest in New England, and continues to increase clinical activity. Pre-transplant evaluations and post transplant care occupy significant resources, including performance of endomyocardial biopsies. The program actively provides sophisticated cardiopulmonary exercise testing.

The adult congenital heart disease clinic meets three times monthly and is staffed by 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 Michael Atalay, M.D. 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.


FACULTY MEMBERS

Full-Time Faculty
(Hospital and Foundation Based)

PROFESSORS
Alfred Buxton, M.D., Director
Gideon Koren, M.D.
Albert Most, M.D.
Satish Sharma, M.D.

ASSOCIATE PROFESSORS
James Arrighi, M.D.
Jonathan Elion, M.D.
Kenneth Korr, M.D.
George McKendall, M.D.
Ulrike Mende, M.D.
Athena Poppas, M.D.
Barry Sharaf, M.D.
Peter Tilkemeier, M.D.

ASSISTANT PROFESSORS
Jinette Dawn Abbott, M.D.
Michael Atalay, M.D., Ph.D.
Bum-Rak Choi, Ph.D.
Guarav Choudhary, M.D.
Kristin Ellison, M.D.
Malcolm Kirk, M.D.
Wen-Chih Wu, M.D.

INSTRUCTORS
Karim Roder, Ph.D.
Victor Shin, M.D.
Peng Zhang, M.D.

Clinical Faculty
(Hospital and Foundation Based)

ASSOCIATE PROFESSORS
Thomas Drew, M.D.

ASSISTANT PROFESSORS
Brian G. Abbott, M.D.
Karen E. Asprey, M.D.
Eric Berger, M.D.
Douglass Burtt, M.D.
Fredric Christian, M.D.
Thomas Crain, M.D.
David Fortunato, M.D.
Michael Gilson, M.D.
Paul Gordon, M.D.
Gary Katzman, M.D.
Edward Keating, M.B.
Daniel Levine, M.D.
Peem Lovidhaya, M.D.
Roger Raymond, M.D.
James Robertson, M.D.
Immad Sadiq, M.D.
Harry Schwartz, M.D.
Phillip Stockwell, M.D.
Marilyn J. Weigner, M.D
Joseph Yamine, M.D.

TEACHING ASSOCIATE
Susan Potter, RN

Volunteer Clinical Faculty

ASSOCIATE PROFESSORS
Lauralyn Cannistra, M.D.
Andrew Hordes, M.D.
David Kitzes, M.D.
William Levin, M.D.
Robert Meringolo, M.D.
Barbara Roberts, M.D.
Ara Sadanatz, M.D.

ASSISTANT PROFESSORS
Anthony Cannistra, M.D.
Robert Carnevale, M.D.
Steven Fera, M.D.
Joseph Gaeta, M.D.
Peter Gibson, M.D.
Ned Gutman, M.D.
Suhdong Hahn, M.D.
Jack Klie, M.D.
Jon Lambrecht, M.D.
Christopher Luttmann, M.D.
Safiq Mamdani, M.D.
John F. Murphy, M.D.
Thomas E. Noonan, M.D.
Gisele I. Saliba, M.D.
Jay Schachne, M.D.
Robert Schwengel, M.D.
Mitchel A. Sklar, M.D.
Joseph Terlato, M.D.
Edward Thomas, M.D.

INSTRUCTORS
Christopher Abadi, M.D.
John Cava, M.D.
Irving Gilson, M.D.
Michael Hyder, M.D.
Richard Regnante, M.D.
Hani Sabbour, M.D.
Franklin Schneider, M.D.
Joseph Spinale, D.O.
SELECTED HONORS AND SCHOLARLY WORK

Brian Abbott, M.D.

HONORS AND AWARDS

◆ Program Chair, American Society of Nuclear Cardiology (ASNC) 12th Annual Scientific Session, September 2007
◆ Member, Board of Directors, American Society of Nuclear Cardiology
◆ Member, American Society of Nuclear Cardiology, Education Committee
◆ Member, American Society of Nuclear Cardiology Scientific Session Program Committee
◆ Member, American Society of Nuclear Cardiology Annual Meeting Organizing Committee
◆ Member, American Society of Nuclear Cardiology Leadership Development Committee
◆ Co-Chair, Annual Scientific Session “Imaging Spotlight” Planning Committee

INVITED PRESENTATIONS


J. Dawn Abbott, M.D.

HONORS AND AWARDS

◆ Associate Editor, Circulation: Cardiovascular Interventions 2008
◆ Recipient, Cardiovascular Research Technologies Young Leadership Award 2009
◆ Member, Peripheral Vascular Disease Committee, American College of Cardiology 2008

INVITED PRESENTATIONS

◆ Washington Hospital Center Cardiac Catheterization Conference, “Unrestricted use of drug-eluting stents compared to bare-metal stents in North America”, November 28, 2007

SCHOLARLY ACTIVITIES

◆ Grant Study Section, American Heart Association, REGION I, Cardiac Biology 1 Study Group 2008, 2009
◆ NIH RO1 – Co-Investigator Dynamic Evaluation of Coronary Intervention Renewal: Drug-Eluting Stents. The goal of this project is evaluate the safety and effectiveness of drug-eluting stent (DES) in the practice of percutaneous coronary intervention (PCI), (12/1/07–11/30/12)

James A. Arrighi, M.D.

HONORS AND AWARDS

◆ Member, Internal Medicine Residency Review Committee, Accreditation Council for Graduate Medical Education
◆ Vice President, Certification Board of Nuclear Cardiology
◆ Secretary, Board of Directors, American Society of Nuclear Cardiology
◆ Chairman, Education Committee; Member, Research Grants Committee and Abstract Selection Committee, American Society of Nuclear Cardiology
◆ Chairman, Integrated Imaging Spotlight Committee (2008), American College of Cardiology
◆ Abstract Selection Committee, Annual Scientific Sessions, American Heart Association

INVITED PRESENTATIONS

◆ “Update in Cardiac SPECT.” American Roentgen Ray Society Annual Meeting, May 2009
◆ “Physician Certification and Training in Nuclear Cardiology.” International Conference of Nuclear Cardiology, Prague, Czech Republic, May 2007
◆ “Mental Stress and Coronary Artery Disease,” Cardiology Grand Rounds, Montefiore Medical Center, Albert Einstein School of Medicine, October 2007

Michael K. Atalay, M.D., Ph.D.

HONORS AND AWARDS

◆ Expert Panel, American College of Radiology, appropriateness criteria for cardiovascular imaging
◆ Chairperson, Cardiopulmonary Imaging section, American Roentgen Ray Society, Annual Scientific Meeting 2009
◆ External Reviewer for the Appropriate Use Criteria for Cardiac Computed Tomography through the American College of Cardiology (ACC), on behalf of the Society of Cardiovascular MR

INVITED PRESENTATIONS

◆ Cardiac CT: Keynote address (Cardiac/Chest CT Session). Faculty American Roentgen Ray Society (ARRS), Annual Meeting, Washington, DC, April 2008.

Instructional Course: Getting the correct slice position. Faculty Society of Cardiovascular Magnetic Resonance (SCMR), Annual Meeting, Orlando, FL, February 2009.

Cardiac MRI: The Basics. Faculty American Roentgen Ray Society (ARRS), Annual Meeting, Boston, MA, April 2009.

Alfred E. Buxton, M.D.

HONORS AND AWARDS

- Member, American Board of Internal Medicine, Test Writing Committee on Clinical Cardiac Electrophysiology
- Chairman, Data and Safety Monitoring Board for NHLBI – CABANA Trial (Catheter Ablation Versus Anti-arrhythmic Drug Therapy for Atrial Fibrillation)
- Chairman, ACC/AHA/HRS Committee on Electrophysiology Data Standards
- Castle-Connolly “America’s Top Doctors” 2007, 2008

INVITED PRESENTATIONS

- Cardiostim. “Sudden Cardiac Death and Depressed EF – the Regulatory Agencies Point of View” Nice, FR June 17, 2008
- American Society of Nuclear Cardiology Annual Scientific Session – Advanced Track – “Overview of Mechanisms of Cardiac Arrhythmias” Boston, MA September 12, 2008

SCHOLARLY ACTIVITIES

- Co-Investigator, NIH R21 (5%FTE) – Effects of Exercise on Autonomic Nervous System Tone in Patients with Implanted Defibrillators (Eva Serber, Ph.D., PI) 2008–2010

Bum Rak Choi, Ph.D.

INVITED PRESENTATIONS

- “Breaking waves in the heart”, Northeastern University, 2008
- “Rabbit model of Long QT Syndrome” at Gordon Conference of cardiac arrhythmia mechanisms. Italy, 2009
- “Discordant alternans in transgenic rabbit model of long QT syndrome”, Korea University, 2008

Gaurav Choudhary, M.D.

HONORS AND AWARDS

- Northwestern University Young Investigators’ Forum- Finalist, 2009
- Northwestern University Young Investigators’ Forum- Third Prize, 2008
- Actelion Pharmaceuticals Young Investigator Award, 2008
- Member: AHA Peer Review Committee (Region I), 2009
- Member: AHA Peer Review Committee (Region I), 2008
- Member: AHA NE Affiliate Peer Review Committee, 2007
- Actelion Pharmaceuticals Young Investigator Award, “Role of Endothelin-Induced PKC delta Activation in Right Ventricular Hypertrophy”. 2008

INVITED PRESENTATIONS

- “The Female Heart” HRS Meeting, San Francisco, June 2008

Kristin E. Ellison, M.D.

SCHOLARLY ACTIVITIES

- Co-Investigator, NIH R21 (5%FTE) – Effects of Exercise on Autonomic Nervous System Tone in Patients with Implanted Defibrillators (Eva Serber, Ph.D., PI) 2008–2010
**Scholarly Activities**

- Principle Investigator, NIH RO1, Trafficking and subcellular distribution of cardiac potassium channels (2004–2010)
- Principle Investigator, NIH RO1, Gender Related Arrhythmias in LQT2 Rabbits (2008–2013)

Gongxin Liu, M.D., Ph.D.

**Scholarly Activities**

- Characterization of Potassium currents expressed in transgenic rabbit with dominant negative HERG or KvLQT1 mutations over expressed in the heart.
- Study single channel properties of Kv1.5 and Kv2.1
- Study interactions between HERG and KvLQT1.
- Characterization of mutations in Kir2.1
- Study cation channel in native mouse myocytes

George R. McKendall, M.D.

**Honors and Awards**

- Member, Credentialing and Membership Committee, American College of Cardiology, 2006–Present

Ulrike Mende, M.D.

**Honors and Awards**

- Co-Chair, Region 1 - Cardiac Biology 1, American Heart Association (April 2008, April 2009)
- Reviewer, Program Project Grant Review Panel, National Institutes of Health (May 2008)
- Reviewer, Cardiac Contractility, Hypertrophy and Failure Study Section, National Institutes of Health (Oct 2008)
- Member, American Heart Association Founders Affiliate Research Committee, (2008–2012)

**Invited Presentations**

- “Regulators of G protein Signaling (RGS) in the Heart”, invited lecture at the Foundation Jagiellonian Medical Research Center as guest of the Polish Academy of Arts and Sciences, Krakow, Poland (November 2008)
- “G-protein Signaling and Calcium Cycling”, invited lecture at the annual meeting of the International Society of Heart Research (ISHR), Baltimore, M.D. (May 2009)

**Scholarly Activities**

- Principle Investigator, NIH RO1: “RGS Regulation of Cardiac Signaling and Hypertrophy (2006–2011)
- Principle Investigator, AHA Established Investigator Award “G protein-mediated Signaling and its Regulation by RGS Proteins in Cardiac Fibroblasts” (2007–2011)
- Faculty Mentor, NIH P20 “COBRE for Perinatal Biology” (2008–2013)

Athena Poppas, M.D.

**Honors and Awards**

- Chair, Women in Cardiology Committee, American College of Cardiology, (2005–2009)
- Member, Digital Programming Editorial Board, American College of Cardiology (2006–2008)

**Invited Presentations**

- Pregnancy and Heart Disease. Session moderator and speaker, American Society of Echocardiography. Toronto ON, June 2008.
- Endocarditis and Right Heart Catheters. American Society of Echocardiography. Toronto, ON, June 2008

Karim Roder, Ph.D.

**Scholarly Activities**

- Co-Investigator, NIH RO1, Hemodynamic and Cognitive 2007- Function in Cardiovascular Disease.

Peter Tilkemeier, M.D.

**Honors and Awards**


**Scholarly Activities**

- Member, Quality in Imaging Summit, American College of Cardiology Foundation, 2007
- Member, Program Committee, American Society of Nuclear Cardiology Annual Meeting, Core Track, 2008
Member, Writing Committee to develop clinical data standards for cardiac imaging, American College of Cardiology Foundation, 2009

INVITED PRESENTATIONS

SCHOLARLY ACTIVITIES
- Co-Investigator, NIH RO1 “Tailored Exercise Support for Cardiac Patients” (2004–2008)
- Co-Investigator, NIH RO1 “Maintenance of Exercise in Cardiac Rehabilitation” (2004–2008)

Wen-Chih Wu, M.D.

HONORS AND AWARDS
- Member, NIH Special Emphasis Panel/Scientific Review Group 2009/10 ZRG1 HDM-P (38) R
- Faculty, NHLBI 1R25HL088992-01, Short-Term Training Program to Increase Diversity in Health-Related Research (2007–present)

INVITED PRESENTATIONS
- Wu WC. “Anemia and Acute Myocardial Infarction”, Quality Scholars Conference Presenter, Dept. of Veterans Affairs, Louis Stokes Cleveland VA Medical Center. May 21st, 2009; Cleveland, Ohio
- Wu, WC. “Dyslipidemia in the Elderly, is it too late to help?”, presenter at 2009 Senior Symposium by the Connecticut Chapter of the American Society of Consultant Pharmacists, Ledyard, CT.
- Wu WC, Kirsh S, Edelman D. Workshop Presenter in "Inter-professional Diabetes Care: Research and Operational Issues of Group Appointments", 2008 VA HSR&D QUERI National Meeting, December 10–12, 2008; Phoenix, AZ.

SCHOLARLY ACTIVITIES
- Section Editor, Ferri’s Clinical Advisor, Ferri, FF [ed], Elsevier, St. Louis. (2008–present)
- Co-Investigator, VA Patient Care Services VISN-1 Patient Safety Center of Inquiry, “PROVIDENCE VAMC CHF Clinic” substudy, 2007–2009

SELECTED PUBLICATIONS

J. Dawn Abbott, M.D.

James A. Arrighi, M.D.

Michael K. Atalay, M.D., Ph.D.

Alfred E. Buxton, M.D.
# Cardiology Fellowship Programs July 1, 2007 – June 30, 2009

## General Cardiology

**James Arrighi, M.D., Director**  
**Peter Tilkemeier, M.D., Associate Director**

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School</th>
<th>Residency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kamel Addo, M.D.</td>
<td>Brown-Dartmouth Medical Program</td>
<td>Rhode Island &amp; The Miriam Hospitals</td>
</tr>
<tr>
<td>Adam Chodosh, M.D.</td>
<td>Albert Einstein School of Medicine</td>
<td>University of Vermont – Fletcher Allen</td>
</tr>
<tr>
<td>Wing Kim Fung, M.D.</td>
<td>Tufts University School of Medicine</td>
<td>Tufts University/New England Medical Center</td>
</tr>
<tr>
<td>David Glassman, M.D.</td>
<td>Indiana University</td>
<td>University of Iowa</td>
</tr>
<tr>
<td>Rahool Karnik, M.D.</td>
<td>Tufts University School of Medicine</td>
<td>University of California/Davis Medical Center</td>
</tr>
<tr>
<td>Robert Kirchner, M.D.</td>
<td>MCP/Hahnemann School of Medicine</td>
<td>David Grant USAF Medical Center</td>
</tr>
<tr>
<td>Craig McMackin, M.D.</td>
<td>Temple University Medical Center</td>
<td>Boston Medical Center</td>
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<tr>
<td>Brad Mikaelian, M.D.</td>
<td>Loyola University</td>
<td>Boston Medical Center</td>
</tr>
<tr>
<td>Stephan Muhlebach, M.D.</td>
<td>University of Connecticut-Farmington</td>
<td>Rhode Island &amp; The Miriam Hospitals</td>
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<tr>
<td>Richard Regnante, M.D.</td>
<td>MCP/Hahnemann School of Medicine</td>
<td>Rhode Island &amp; The Miriam Hospitals</td>
</tr>
<tr>
<td>Aaron Weisbord, M.D.</td>
<td>University of California – Los Angeles</td>
<td>Beth Israel/Deaconess</td>
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<tr>
<td>Ryan Zuzek, M.D.</td>
<td>National University of Galway, Ireland</td>
<td>Cleveland Clinic</td>
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## Electrophysiology

**Alfred Buxton, M.D., Director**

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School</th>
<th>Residency</th>
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<tbody>
<tr>
<td>Soufian Almahameed, M.D.</td>
<td>Damascus University</td>
<td>Cleveland Clinic</td>
</tr>
<tr>
<td>David Glassman, M.D.</td>
<td>Indiana University</td>
<td>University of Iowa</td>
</tr>
<tr>
<td>Brad Mikaelian, M.D.</td>
<td>Loyola University</td>
<td>Boston Medical Center</td>
</tr>
<tr>
<td>Ovad Ziv, M.D.</td>
<td>University of Pittsburgh School of Medicine</td>
<td>Columbia Presbyterian Hospital</td>
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## Interventional Cardiology - Rhode Island Hospital

**J. Dawn Abbott, M.D., Director**

<table>
<thead>
<tr>
<th>Name</th>
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<th>Residency</th>
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<tbody>
<tr>
<td>Drew Baldwin, M.D.</td>
<td>Tulane Medical School</td>
<td>NYU School of Medicine/Bellevue Hospital</td>
</tr>
<tr>
<td>Timothy Moore, M.D.</td>
<td>Texas Tech University School of Medicine</td>
<td>Yale/New Haven Hospital</td>
</tr>
<tr>
<td>Kedar Vaidya, M.D.</td>
<td>Armed Forces Medical College, India</td>
<td>Montefiore Medical Center</td>
</tr>
<tr>
<td>Anant Vayas, M.D.</td>
<td>Pramukhsawmi Medical Center, India</td>
<td>Rochester General Hospital</td>
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## Interventional Cardiology - The Miriam Hospital

**Paul Gordon, M.D., Director**

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School</th>
<th>Residency</th>
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<tbody>
<tr>
<td>Mohamad T. Alahdab, M.D.</td>
<td>Damascus University, Syria</td>
<td>St. Louis University Hospital &amp; VAMC</td>
</tr>
<tr>
<td>Russell Linsky, M.D.</td>
<td>University of Arkansas for Medical Sciences</td>
<td>University of Arkansas for Medical Science</td>
</tr>
<tr>
<td>Richard Regnante, M.D.</td>
<td>MCP/Hahnemann School of Medicine</td>
<td>Rhode Island &amp; The Miriam Hospitals</td>
</tr>
<tr>
<td>Steven Weinsier, M.D.</td>
<td>University of Alabama, Birmingham</td>
<td>University of Maryland Medical Center</td>
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POST GRADUATE PLANS

GENERAL CARDIOLOGY

<table>
<thead>
<tr>
<th>Name</th>
<th>Year Graduated</th>
<th>Post Graduate Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kamel Addo, M.D.</td>
<td>2009</td>
<td>Electrophysiology Fellowship - RIH</td>
</tr>
<tr>
<td>Adam Chodosh, M.D.</td>
<td>2009</td>
<td>Electrophysiology Fellowship - RIH</td>
</tr>
<tr>
<td>Wing Kin Fung, M.D.</td>
<td>2008</td>
<td>Private Practice in Massachusetts</td>
</tr>
<tr>
<td>David Glassman, M.D.</td>
<td>2008</td>
<td>Electrophysiology Fellowship - RIH</td>
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<tr>
<td>Rahool Karnick, M.D.</td>
<td>2009</td>
<td>Private Practice in Arizona</td>
</tr>
<tr>
<td>Robert Kirchner, M.D.</td>
<td>2009</td>
<td>Interventional Cardiology Fellowship – RIH/TMH</td>
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<tr>
<td>Craig McMackin, M.D.</td>
<td>2008</td>
<td>Private Practice in New Jersey</td>
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<tr>
<td>Brad Mikaelian, M.D.</td>
<td>2008</td>
<td>Electrophysiology Fellowship - RIH</td>
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<tr>
<td>Stephan Muhlebach, M.D.</td>
<td>2009</td>
<td>Private Practice in Massachusetts</td>
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<tr>
<td>Richard Regnante, M.D.</td>
<td>2008</td>
<td>Interventional Cardiology Fellowship - TMH</td>
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<tr>
<td>Aaron Weisbord, M.D.</td>
<td>2008</td>
<td>Private Practice in Rhode Island</td>
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<tr>
<td>Ryan Zuzek, M.D.</td>
<td>2009</td>
<td>Interventional Cardiology Fellowship – RIH/TMH</td>
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ELECTROPHYSIOLOGY

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<tr>
<th>Name</th>
<th>Year Graduated</th>
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<tbody>
<tr>
<td>Soufian Almahameed, M.D.</td>
<td>2009</td>
<td>Academic Electrophysiology – Virginia Tech</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Carilion School of Medicine and ResearchInstitute</td>
</tr>
<tr>
<td>David Glassman, M.D.</td>
<td>2009</td>
<td>Private Practice in Kentucky</td>
</tr>
<tr>
<td>Brad Mikaelian, M.D.</td>
<td>2009</td>
<td>Private Practice in Colorado</td>
</tr>
<tr>
<td>Ohad Ziv, M.D.</td>
<td>2008</td>
<td>Research Fellow in Electrophysiology – Brown University</td>
</tr>
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INTERVENTIONAL CARDIOLOGY – Rhode Island Hospital

<table>
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<th>Name</th>
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<tbody>
<tr>
<td>Drew Baldwin, M.D.</td>
<td>2008</td>
<td>Academic Interventional Cardiology – Tulane Medical Center</td>
</tr>
<tr>
<td>Timothy Moore, M.D.</td>
<td>2009</td>
<td>Private Practice in California</td>
</tr>
<tr>
<td>Kedar Vaidya, M.D.</td>
<td>2008</td>
<td>Interventional Cardiology – Tomball Regional Medical Center</td>
</tr>
<tr>
<td>Anant Vayas, M.D.</td>
<td>2009</td>
<td>Private Practice in California</td>
</tr>
</tbody>
</table>

INTERVENTIONAL CARDIOLOGY – The Miriam Hospital

<table>
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<th>Name</th>
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<tbody>
<tr>
<td>Mohamad T. Alahdab, M.D.</td>
<td>2009</td>
<td>Private Practice in Illinois</td>
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<tr>
<td>Russell Linsky, M.D.</td>
<td>2008</td>
<td>Private Practice in Colorado</td>
</tr>
<tr>
<td>Richard Regnante, M.D.</td>
<td>2009</td>
<td>Private Practice in Rhode Island</td>
</tr>
<tr>
<td>Steven Weinsier, M.D.</td>
<td>2008</td>
<td>Private Practice in Massachusetts</td>
</tr>
</tbody>
</table>

SELECTED PUBLICATIONS CONTINUED

Gaurav Choudhary, M.D.

Kristin Ellison, M.D.


Gideon Koren, M.D.


Gongxin Liu, M.D., Ph.D


Ulrike Mende, M.D.


Athena Poppas, M.D.


Karim Roder, Ph.D.


Peter Tikemeier, M.D.


Wen-Chih Wu, M.D.

### Selected Basic Research

**Guarav Choudhary, M.D.**
- Role of C-Type Natriuretic Peptide in Pulmonary Vascular Function, Rhode Island Foundation
- Role of C-Type Natriuretic Peptide in Microvascular Endothelial Cell Proliferation and Apoptosis, Rhode Island – INBRE
- Role of C-Type Natriuretic Peptide in Pulmonary Endothelial Function, ATS
- Endothelial BKCa Channels and Hypoxic Pulmonary Endothelial Dysfunction, Veterans Administration

**Bum-Rak Choi, M.D.**
- The Role of Dynamic Changes in Repolarization and Calcium Transients in Long QT Rabbits, National Heart Lung & Blood Institute

**Gideon Koren, M.D.**
- Brown Cardiopulmonary Research Training Program (T-32), National Heart Lung & Blood Institute
- Sex Hormones in Cardiac Arrhythmia in Transgenic LQT Rabbits, National Heart Lung & Blood Institute
- Assembly and Trafficking of Cardiac K+ Channels, National Heart Lung & Blood Institute
- Heart and Muscle K+ Channels: Assembly and Regulation, 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, National Heart Lung & Blood Institute

**Katja Odening, M.D.**
- Estrogen Arrhythmia Fellowship, American Heart Association

**Ohad Ziv, M.D.**
- VF in Different Subs Fellowship, American Heart Association

### Selected Clinical Research

**J. Dawn Abbott, M.D.**
- Determination of Non-Responsiveness to Anti-Platelet Therapy in Patients Undergoing Percutaneous Coronary Intervention using a Point-of-care Device, Rhode Island Foundation

**Alfred E. Buxton, M.D.**
- Structure Function Relations Underlying Ventricular Tachycardia as Revealed by Cardiac MRI, Rhode Island Medical Imaging

**Daniel Levine, M.D.**
- Delay in Heart Failure (Subcontract), University of Massachusetts/NHLBI

**Barry Sharaf, M.D.**
- E-WISE (subcontract), University of Florida, Gainesville/NHLBI
- Freedom (subcontract), Mount Sinai/NHLBI

**Satish Sharma, M.D.**
- The Home INR Study (THINRS), Veterans Administration

**Wen-Chih Wu, M.D.**
- Combined Behavioral & Pharmacological Intervention for Cardiac Risk Reduction in Diabetic Patients, Rhode Island Foundation
- Multi-Targeted Cardiac Risk Intervention in Type 2 Diabetes, Dougherty Foundation
- Group Intervention for DM Guideline Implementation, Veterans Administration

---

### Research

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The Division of Endocrinology at the Warren Alpert Medical School of Brown University includes the Hallett Center for Diabetes and Endocrinology, 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 and manages a Bone Density Unit with state-of-the-art diagnostic and osteoporosis management capabilities 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 a comprehensive, academic diabetes and endocrinology program. 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 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. Quality of care measures at the Hallett Center markedly exceed national performance levels and standards. 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 state of Rhode Island.

Laboratory research programs in the Division of Endocrinology include the programs of four groups. Dr. Robert J. 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 A. Nillni, Ph.D. is studying the prohormone processing and molecular physiology of hypothalamic neuropeptides related to energy balance. Haiyan Xu, M.D., Ph.D., 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. Robert J. Smith, M.D. and Geetha Gopalakrishnan, M.D., jointly coordinate 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 graduate and postgraduate level trainees, plus undergraduate independent study students. The educational program includes a nationally recognized, highly selective ACGME-certified clinical fellowship in Endocrinology, Diabetes, and Metabolism.
FACULTY MEMBERS

Full-Time Faculty
(Hospital and Foundation Based)

PROFESSORS
Robert J. Smith, M.D., Director
Leslie J. DeGroot, M.D.
Eduardo A. Nillni, Ph.D.

ASSOCIATE PROFESSORS
Paul Levinson, M.D.

ASSISTANT PROFESSORS
Geetha Gopalakrishnan, M.D.
Ivana Lukacova-Zib, M.D.
Haiyan Xu, M.D., Ph.D.

Clinical Faculty
(Hospital and Foundation Based)

ASSOCIATE PROFESSORS
Marc J. Lauflgraben, M.D.

ASSISTANT PROFESSORS
Dominic Corrigan, M.D.

Volunteer Clinical Faculty

ASSOCIATE PROFESSORS
Charles Eil, M.D., Ph.D.

ASSISTANT PROFESSORS
Robert Dobrzynski, M.D.
Roberto Ortiz, M.D.
Valerie Thomas, M.D.

SELECTED HONORS AND SCHOLARLY WORK

Geetha Gopalakrishnan, M.D.

HONORS AND AWAARDS

+ Best Doctor, Better Living Magazine, 2008
+ Chairman, National Osteoporosis Foundation Advocacy
+ Certificate of Recognition for Exemplary Teaching, Warren Alpert Medical School of Brown University, 2009

Marc J. Lauflgraben, M.D.

HONORS AND AWAARDS

+ Socioeconomic and Member Advocacy Committee, American Association of Clinical Endocrinologists
+ Beckwith Family Award for Outstanding Teaching, Alpert Medical School of Brown University, 2009

INVITED PRESENTATIONS

+ “New Options for Treating Diabetes”, PharmEd Continuing Education Programs for Pharmacists. Hyannis, MA
+ “The Evolving Role of Incretin-Based Therapy in Managing Type 2 Diabetes”, PharmEd Continuing Education Programs for Pharmacists. Rocky Hill, CT

Eduardo A. Nillni, Ph.D.

HONORS AND AWAARDS

+ Member, Integrative Physiology of Obesity and Diabetes Study Section, Center for Scientific Review, NIH
+ Managing Editor of Frontiers in Bioscience special issue on Energy Balance Regulation

INVITED PRESENTATIONS

+ “TRH Biology and Energy Balance”, University of Pennsylvania, PA
+ “Diet Induce Obesity and the Thyroid Axis”, University of Cambridge, United Kingdom
+ “Hypothalamic Endoplasmic Reticulum Stress Alters POMC Processing and Contributes to Leptin Resistance”, Tel Aviv, Israel

Robert J. Smith, M.D.

HONORS AND AWAARDS

+ Taft Honorary Lectureship of the Endocrine Society of Australia
+ Honorary Professor, Luzhou Medical University, Luzhou, China
+ Honorary President of The Affiliated Hospital of Luzhou Medical, University, Luzhou, China

INVITED PRESENTATIONS

+ Invited Speaker, GeNeSIS Investigators Meeting, Paris, France
+ Plenary Lecturer, Joint Endocrine Society of Australia and New Zealand Society of Endocrinology Clinical Weekend, Christchurch, New Zealand
+ Honorary Taft Plenary Lecturer, Endocrine Society of Australia and Endocrine Society of New Zealand Annual Scientific Meeting, Christchurch, New Zealand
+ Invited Symposium Lecturer, Endocrine Society of Australia and Endocrine Society of New Zealand Annual Scientific Meeting, Christchurch, New Zealand
+ Chair and Speaker, International Symposium on Progress in Diabetes, The Affiliated Hospital of Luzhou Medical University, Luzhou, China
+ Invited Seminar Speaker, Chongqing Medical University, Chongqing, China
+ Invited Seminar Speaker, Beijing Medical University, Beijing, China
Haiyan Xu, M.D., Ph.D.

INVITED PRESENTATIONS
- “Obesity and Adipose Inflammation: Role of Infiltrated Macrophages”, Chongqing Medical University, Chongqing, China
- “Obesity and Adipose Inflammation: Role of Infiltrated Macrophages”, Peking University, Health Science Center, Beijing, China
- “Adipose Inflammation and Obesity” AGA Institute at Digestive Disease Week 2008, San Diego, CA

SELECTED PUBLICATIONS
Geetha Gopalakrishnan, M.D.

Marc J. Laufraben, M.D.

Robert J. Smith, M.D.

Eduardo A. Nillni, Ph.D.

Haiyan Xu, M.D., Ph.D.
SELECTED BASIC RESEARCH

Leslie J. DeGroot, M.D.
- Pathogenesis and Therapy of Autoimmune Thyroid Disease, National Institute of Diabetes and Digestive Diseases

Eduardo A. Nillni, Ph.D.
- ProTRH gene transcription and biosynthesis by leptin, National Institute of Diabetes and Digestive Diseases
- ProTRH Gene Transcription and Biosynthesis by Leptin, National Institutes of Health/Yale University

Haiyan Xu, M.D., Ph.D.
- Mechanism and consequence of obesity-related adipose macrophage infiltration, American Heart Association Scientist Development Grant
- MAP kinase phosphatase 3 and obesity-related gluconeogenesis, National Institute of Diabetes and Digestive Diseases
- MAP Kinase Phosphatase 3 (MKP3) and Obesity Related Gluconeogenesis (ARRA Supplement), National Institute of Diabetes and Digestive Diseases
- The mechanism of MAP kinase phosphatase 3 (MKP-3) induced gluconeogenesis in obesity and diabetes, Charles H. Hood Foundation

SELECTED CLINICAL RESEARCH

Robert J. Smith, M.D.
- Immune System Modulation to Treat and Prevent Type 1 Diabetes, Epivax, Inc/Juvenile Diabetes Association

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<td>Academic Year 2009</td>
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DIVISION OF GASTROENTEROLOGY AND HEPATOLOGY

The Division of Gastroenterology and Hepatology 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 and Hepatology 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

**Full-Time Faculty**
(Hospital and Foundation Based)

**PROFESSORS**
Jack R. Wands, M.D., *Director - Tenured*
Jose Behar, M.D.
Piero Biancani, Ph.D.
Suzanne de la Monte, M.D., M.P.H.
Steven F. Moss, M.D., *Program Director*

**ASSOCIATE PROFESSORS**
Ji-Su Li, M.D., Ph.D.
Harlan Rich, M.D.
Shuping Tong, M.D., Ph.D.

**ASSISTANT PROFESSORS**
Weibiao Cao, M.D.
Fadlallah Habr, M.D.
Karen Harnett, Ph.D.
Miran Kim, Ph.D.
Kittichai Promrat, M.D.
Clinical Faculty
(Hospital and Foundation Based)

ASSOCIATE PROFESSORS
Silvia Degli-Esposti, M.D.

ASSISTANT PROFESSORS
Thomas D. DeNucci, M.D.
Hatem Shoukeir, M.D.

INSTRUCTORS
Jeanette Smith, M.D.

Volunteer Clinical Faculty

ASSOCIATE PROFESSORS
Nicholas Califano, M.D.
Neil Greenspan, M.D.
Daniel M. Quirk, M.D., M.Ph.
Thomas Sepe, M.D.
Samir A. Shah, M.D.

ASSISTANT PROFESSORS
Alyn Adrain, M.D.
Paul Akerman, M.D.
Bret Ankowitz, M.D.
Christy L. Dibble, D.O.
Brett Kalmonwitz, M.D.
Sheldon Lidofsky, M.D.
Peter Margolis, M.D.
Jay Sorgman, M.D.
Jeremy Spector, M.D.
Joel S. Spellun, M.D.
Paul vanZuiden, M.D.

INSTRUCTORS
Leslie Cashel, M.D.
David Schreiber, M.D.

SELECTED HONORS AND SCHOLARLY WORK

Jose Behar, M.D.

HONORS AND AWARDS
◆ Fellow, American Gastroenterological Association 2009

INVITED PRESENTATIONS
◆ Guest Lecturer- 9th World Congress Meeting: Gastro-esophageal reflux disease from reflux to inflammation to adenocarcinoma, April 2008, Monaco, France.

Piero Biancani, Ph.D

HONORS AND AWARDS
◆ Member, International Organization for the Study of Esophageal Diseases, 1994–present

◆ Member, NIH NIDDK Special Emphasis Panel for Neuromuscular GI Projects, 2008

INVITED PRESENTATIONS
◆ International Symposium on O.E.S.O., Monaco, France, 2008
◆ Chair: GERD: from reflux to mucosal inflammation
◆ Organ Smooth Muscle: development, physiology and pathology symposium - Bethesda, M.D. 2009
◆ Speaker: Inflammation and signaling in the development of esophagitis

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

HONORS AND AWARDS
◆ Editorial Board, Cellular and Molecular Life Sciences
◆ Senior Associate Editor, Journal Alzheimer’s Disease
◆ IACUC Committee Member, Lifespan

INVITED PRESENTATIONS
◆ Speaker: Role of peripheral and brain insulin resistance in neurodegeneration, 22nd Biennial Meeting, International Society of Neurochemistry, Busan, So Korea 2009
◆ Speaker: Insulin resistance, cognitive impairment and neurodegeneration, CSCN-CSS Conference, Quebec City, Canada 2009
◆ Speaker: Insulin resistance and neurodegeneration: type 2 vs type 3 diabetes mellitus, Academy of Sciences, NY, NY 2009

Scholarly Activities
◆ NAL NIH Study Section Member 2007

Fadlallah Habr, M.D.

INVITED PRESENTATIONS
◆ Participant, Boston International Live Therapeutic Endoscopy Course, Oct 07 and Oct 08
◆ Guest Lecturer, Use of narrow band imaging during cryotherapy performed for ablation of Barrett's esophagus with high-grade dysplasia, National web-based seminar on cryotherapy in the palliation of esophageal cancer, September 08

Karen Harnett, Ph.D

INVITED PRESENTATIONS
◆ Presenter: Neural and non-neural receptors present in the esophageal mucosa, OESO 9th World Congress, Monaco 2008
Visiting Professor Lectureship: Interpreting pharmacokinetic studies and designing dosage regimens and dose interpreting pharmacokinetic studies and designing dosage regimens, Boston University School of Medicine 2007, 2008, 2009.

**Miran Kim, Ph.D.**

**INVITED PRESENTATIONS**

- Lecturer: *Activation of the beta-catenin pathway in human HCC mediated by Wnt5 and FD7 receptor interaction*, International Meeting of the Wnt Signaling in Development and Disease, Germany 2007

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

**HONORS AND AWARDS**

- Editorial Board, Laboratory Investigation
- Editorial Board, Journal of Infectious Diseases
- Editorial Board, Journal of Virological Methods

**INVITED PRESENTATIONS**

- Presenter: *Cleavage of duck hepatitis B virus envelope protein by furin/PC7 like-convertases promotes viral cccDNA formation in non-susceptible LMH cells*, International Meeting of the Molecular Biology of HBV Viruses, San Diego, CA

**Steven F. Moss, M.D.**

**HONORS AND AWARDS**

- American Gastroenterology Fellow
- Editorial Board, American J Gastroenterol

**INVITED PRESENTATIONS**

- Invited Member: World Health Organization-International Agency for Cancer Research-Monograph 100 “Evaluation of Carcinogenic Risks to Humans of Biological Agents.” Lyon, France
- Invited Speaker: *H. Pylori treatment and diagnosis: focused clinical update*, American Gastroenterology Association

**Kittichai Promrat, M.D.**

**INVITED PRESENTATION**

- Randomized controlled trial testing the effects of weight loss on nonalcoholic steatohepatitis. American Association for the Study of Liver Disease, San Francisco, CA 2008

**Hatem Shoukeir, M.D.**

**INVITED PRESENTATIONS**

- A case of gastric outlet obstruction after migration and fracture of an esophageal stent. American College of Gastroenterology, San Diego, CA 2009
- A case report of concomitant acute autoimmune pancreatitis and fulminant autoimmune hepatitis in a young male. American College of Gastroenterology, San Diego, CA 2009

**Shuping Tong, M.D.**

**HONORS AND AWARDS**

- Editorial Board, Journal of Hepatology, 2009
- Editorial Board, Hepatology
- Editorial Board, Gastroenterology

**INVITED PRESENTATIONS**

- Speaker: *Drug resistant and immune escape hepatitis B virus mutants*. Centers for Disease Control Symposium, Atlanta, Georgia 2009

**SCHOLARLY ACTIVITIES**

- NIH Study Section: NCI PO1 - Jun 08
- NIH Study Section: NCI PO1 - Jan 09
- NIH Study Section: NIDDK Challenge grants – Jun 09
Jack R. Wands, M.D.

Honors and Awards
- Editorial Board, International Journal of Oncology
- Editorial Board, Cancer Therapy
- Editorial Board, J Hepatology
- Honorary Professor, Hospital 3021 and the Medical and Graduate Schools of the PLA, Beijing, China 2007
- Fellow, American Gastroenterological Association - 2008

Invited Presentations
- Moderator: Postgrad course on Liver Cancer and Stem Cells, American Association for the Study of Liver Disease, San Francisco, CA, Oct 2008
- Second Ditan International Symposium on Infectious Diseases – China, Nov 2008
- Speaker: ‘Alcohol Induced Liver Disease’ Eighth Hepatobiliary and GI Research Retreat - Vulpera, Switzerland, Jan 2009

Scholarly Activities
- Member, NIH/NIAAA Center Grant Review, Jun 2007
- Moderator, NIH/NCI - PO1 Clinical Studies Special Emphasis Panel, Feb 2008
- Member, NIH, Special Emphasis Panel, Bethesda, M.D., Jul 2008
- Member, NIH/NCI Intramural Program, Bethesda, M.D., Sep 2008

Gastroenterology Fellowship Program

Steven F. Moss, M.D., Program Director

Graduate Fellows

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Sumona Saha, M.D.</td>
<td>2008</td>
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<tr>
<td>Deepak Agrawal, M.D.</td>
<td>2008</td>
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<td>Randall Pellish, M.D.</td>
<td>2008</td>
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<td>Mark Branda, M.D.</td>
<td>2007</td>
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<td>Chad Morse, M.D.</td>
<td>2007</td>
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<tr>
<td>Kenneth Shieh, M.D.</td>
<td>2007</td>
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<td>Bret Ancowitz, M.D.</td>
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Present Fellows

<table>
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<tr>
<td>Joshua Beirne, M.D.</td>
<td>PGY4</td>
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<tr>
<td>Adam Harris, M.D.</td>
<td>PGY4</td>
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<tr>
<td>Mitul Patel, M.D.</td>
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<tr>
<td>Amanda Pressman, M.D.</td>
<td>PGY4</td>
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<tr>
<td>Julie Foom, M.D.</td>
<td>PGY5</td>
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<tr>
<td>David Kerstetter, M.D.</td>
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<tr>
<td>Nnenna Okpara, M.D.</td>
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<tr>
<td>Jeffrey Zaidman, M.D.</td>
<td>PGY6</td>
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Medical School

- PGY4 SW Med Sch/U Tx
- PGY4 Albert Einstein
- PGY4 RW Johnson Med Sch
- PGY4 Case Western Reserve
- PGY5 NYU School Medicine
- PGY5 Boston U
- PGY6 Columbia
- PGY6 U Virginia

Residency

- UCSF
- Columbia U Med Ctr
- Mnt Sinai, NY
- Beth Israel Deaconess
- NYU IM Program in Medicine
- Brigham & Womens Hospital/
- Harvard Med School
- Columbia U Med Ctr
- U Penn

Selected Publications

Jose Behar, M.D.

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

Karen Harnett, Ph.D.

Miran Kim, Ph.D.

JiSu Li, M.D., Ph.D.

Steven Moss, M.D.

Kittichai Promrat, M.D.

Shuping Tong, M.D.

Jack R. Wands, M.D.
SELECTED BASIC RESEARCH

Jose Behar, M.D.
- Role of Progesterone in Colonic Muscle Dysfunction, National Institute of Diabetes Digestive and Kidney Disease

Piero Biancani, Ph.D.
- Inflammation and Signal Transduction in Esophagitis, National Institute of Diabetes Digestive and Kidney Disease

Weibiao Cao, M.D.
- NADPH Oxidase-Associated Transition from Barrett’s Esophagus to Adenocarcinoma, National Institute of Diabetes Digestive and Kidney Disease
- COBRE RIH Theme B: Pathogenesis of GI Tumors, GERD, Esophagitis, National Center for Research Resources

Suzanne De la Monte, M.D.
- Midcareer Investigator Award in Alcohol Related Human Disease Research, National Institute on Alcohol Abuse and Alcoholism
- Effects of Ethanol on Insulin Signaling on the Brain, National Institute on Alcohol Abuse and Alcoholism
- Effects of Ethanol on Insulin Signaling on the Brain (ARRA Supplement), National Center for Research
- Placenta and FAS, Women and Infants

Ji-Su Li, M.D., Ph.D.
- Molecular Targets for Interruption of HBV Infection, National Cancer Institute

Steven Moss, M.D.
- P27 and Apoptosis Resistance in Gastric Cancer, National Cancer Institute
- Gastric Cancer Induced by H. Pylori in P27 Deficient Mice, National Cancer Institute
- COBRE RIH Theme B: H. Pylori in Gastric Carcinogenesis, National Center for Research Resources

SELECTED CLINICAL RESEARCH

Shuping Tong, M.D., Ph.D.
- Variant HBV Genomes, American Cancer Society
- Biomarker for Hepatocellular Carcinoma, National Cancer Institute

Jack Wands, M.D.
- Biomarker for Hepatocellular Carcinoma, National Cancer Institute
- Pathogenesis, Immunodiagnosis, and Therapy of HCC, 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
- Research Training Program in Gastroenterology, National Institute of Diabetes Digestive and Kidney Diseases
- Biomarker for Hepatocellular Carcinoma, National Cancer Institute

Samir Shah, M.D.
- OSCAR, Mass General Hospital/ National Institute of Health
- Epidemiology of IBV, Mass General Hospital/ National Institute of Health/Centers for Disease Control and Prevention
The 2007 and 2008 academic years have seen continued growth, achievement and change for the Division of General Internal Medicine (DGIM). After 28 years of outstanding leadership of the division, Michele G. Cyr M.D. accepted a full-time position in the Dean’s Office, and now serves as Associate Dean for Academic Affairs. Mark J. Fagan M.D., Professor of Medicine and DGIM member since 1992, was appointed Interim Director in June, 2009. The division continues to sponsor a wide variety of educational, clinical and research activities. Due to space constraints, this report will highlight but a few.

The DGIM faculty includes 25 Full Time Faculty and 138 Clinical Faculty. Our faculty maintain thriving clinical practices and serve as administrators, dedicated educators, and successful researchers at 5 of Brown University’s Alpert Medical School’s affiliated hospitals – Rhode Island Hospital, Memorial Hospital of Rhode Island, The Miriam Hospital, the Providence Veterans Affairs Medical Center and Women & Infants’ Hospital.

Medical education, a chief focus of the Division’s mission, is conducted at the Brown affiliated hospitals and involves the training of more than 200 residents as well as medical students from the Alpert Medical School of Brown University. DGIM faculty continues important leadership roles for the residency programs. Dr. Dominic Tammaro was promoted to Program Director for the Categorical Internal Medicine Residency and continues as Program Director for the Preliminary Internship. Dr. Kelly McGarry continues as Program Director for the Brown General Internal Medicine Residency and Dr. Jennifer Jeremiah continues as Associate Program Director for the Internal Medicine residencies sponsored by Rhode Island Hospital. Dr. Joseph Rabatin is Associate Program Director for the Internal Medicine Residency at Memorial Hospital of Rhode Island. 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.

Internal Medicine-Pediatrics experienced significant growth and change in the 2008 and 2009 academic years. Suzanne McLaughlin, M.D., FACP, FAAP, joined the faculty as the first dually-trained IM/Peds Combined Residency Program Director and Section Chief. Sybil Cineas, M.D., FACP, FAAP, was promoted to Associate Program Director and Jennifer Gartman, M.D. has joined the faculty and established a clinical practice at the Medicine/Pediatrics Primary Care Center. In this expansion, the Section of Medicine/Pediatrics has been established within the Department of Pediatrics, but maintains strong ties across the residency programs and faculty teaching responsibilities within the Department of Medicine. Medical education, patient care and advocacy, and clinical and educational research are priorities within the section; some recent achievements are highlighted below:

Dr. Cineas was recognized with a Warren Alpert Medical School of Brown University 2008 Excellence in Teaching Award. Dr. Toll is a 2009 recipient of a Department of Medicine Beckwith Family Teaching Award.

All faculty precept residents and medical students at the Medicine Pediatrics Primary Care Clinic at Rhode Island Hospital. Drs. Kristin Anderson and Kimberly Babb contribute additional clinical and precepting sessions. The MPPCC is piloting a refugee clinic to
provide intake services and on-going care for newly resettled refugee adults and families. Clinical care responsibilities extend beyond the clinic to additional sites: Dr. Gartman has added clinical responsibilities at the Rhode Island Training School, providing primary care for incarcerated youths, and Dr. Cineas served as a peer-elected member of the Rhode Island Free Clinic Medical Advisory Committee, 2007–2008.

Dr. McLaughlin is a 2009 recipient of a grant from the Picker Institute/Gold Foundation to develop resident curriculum for health care transition. Dr. Toll continues as the Senior Team Leader for the MPPCC site’s on-going participation in the statewide quality improvement initiative: Rhode Island Chronic Care Collaborative for Diabetes.

Taking advantage of the Division’s strength in Women’s Health, Drs. Kelly McGarry, Christine Duffy and Iris Tong have developed a Women’s Health Track for residents. The goals of the women’s health track are to enable residents to: 1) understand how medical illness affects women differently than men from a medical and psychosocial perspective; 2) acquire competency and expertise in women’s health beyond that of a general internist; 3) participate in scholarly work (research project, curriculum development) related to women’s health; and 4) develop a mentoring relationship with a women’s health expert. There are currently four residents in the Women’s Health Track.

DGIM faculty serve as the attending physicians for the inpatient general medicine service and medicine consultation service. In addition, they serve as preceptors for the residents’ ambulatory clinics. In these settings, they provide clinical care, bedside teaching, lectures, feedback, and evaluation for residents and medical students. Furthermore, nearly 60 General Internal Medicine Community Physician Faculty and 30 Subspecialty Faculty served during these years as preceptors in our Community-Based Teaching Program, providing a second continuity ambulatory experience for 2nd and 3rd year residents.

DGIM faculty play a major role in teaching Brown medical students across the four years of medical school. During this period Dr. Iris Tong was appointed Course Director for first year Doctoring Course. A number of DGIM faculty serve as small group leaders and clinical mentors for students in the first and second year Doctoring Courses. For third year students, Mark J. Fagan, M.D. continues as Clerkship Director for the Core Clerkship in Medicine, and Joseph Rabatin, M.D. is Site Director for the clerkship at Memorial Hospital of RI. DGIM faculty play a critical role in the core clerkship, serving as inpatient attendings, outpatient preceptors, small group leaders, curriculum developers, evaluators and career advisors. For fourth year students, Kelly McGarry M.D. serves as Subinternship Director at Rhode Island Hospital, and Mary Hohenhaus is Sub-internship Director at Miriam Hospital. Many students work with DGIM faculty on research projects, clinical electives, longitudinal clerkships or in community-based practices. Several of our faculty serve as Dean’s Letter writers and career advisors for fourth year students.

The Division continues its exchange program with Cabral y Baez Hospital in Santiago, Dominican Republic. This elective, under the direction of Drs. Mark Fagan and Joseph Diaz, is available to internal medicine residents as well as Brown medical students. Over the past 5 years, more than 50 medical students, residents, and Division faculty have participated in the exchange. The program also has also hosted one month rotations for 24 Dominican internal medicine residents at Brown. Cabral y Baez is a large, public teaching hospital in Santiago, the second largest city in the Dominican Republic. The hospital has a four-year internal medicine residency program, and the goal of the exchange is to integrate into clinical activities as much as possible. In the elective, residents and students work with inpatient teams of Cabral residents and faculty, attend teaching conferences, and participate in the hospital’s outpatient clinics. 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 1000 HIV patients followed at Cabral.

At the Governor Street Primary Care Center, Drs. Francis Basile, Michael Johnson, Tom Bledsoe, Jeanne Oliva and Tony Wu have embarked on a project to create a patient-centered medical home. The Chronic
Care Sustainability Initiative, now in its second year, establishes enhanced standards for patient access and communication, charting tools for organizing clinical information, support for patient self-management, and systematic tools for tracking lab tests and referrals. The initiative focuses on the care of patients with three chronic conditions: type 2 diabetes, coronary artery disease and depression. At the conclusion of the initiative, which is funded by all of Rhode Island’s commercial insurers, researchers will measure changes in practice patterns, clinical outcomes, and both patient and physician satisfaction.

Three new faculty members have joined the DGIM during the past 2 academic years:

Rebekah Gardner, M.D. obtained her undergraduate degree from the University of Virginia, attended medical school at New York University School of Medicine, and completed her internal medicine residency and General Internal Medicine fellowship at the University of California, San Francisco. Dr. Gardner divides her time between DGIM and Quality Partners of Rhode Island, where she is a Senior Medical Scientist with the Safe Transitions Project. In the DGIM, she attends on the inpatient teaching service and precepts in the Medical Primary Care Unit.

Susan Oliverio, M.D., M.P.H. is a graduate of Framingham State College where she obtained a B.S. in Food and Nutrition. She attended medical school at Boston University School of Medicine, completed her residency training in general internal medicine at Brown, and obtained a Masters of Public Health from Boston University. In addition to precepting in the Medical Primary Care Unit, Dr. Oliverio works at the South End Community Health Center in Boston. Her interests include women’s health, nutrition, and patient education with a focus on developing materials for populations with low literacy. She also has expertise in using multimedia approaches to medical education.

Sarita Warrier, M.D. completed her undergraduate degree and medical school at the University of Michigan, followed by a general internal medicine residency at Brown. She attends on the inpatient teaching service, precepts in the Medical Primary Care Unit, and coordinates the Objective Structured Clinical Examination for third year medical students. She is Chair of the Young Physicians Council of the Rhode Island Chapter of the American College of Physicians. Her academic interests include medical education, the humanities and medicine, and health care for refugees.

The DGIM Research Section, directed by Peter Friedmann, M.D., M.P.H. received a number of NIH grants to fund exciting new research projects and career development. Dr. Friedmann secured funding from NIDA for two R01 awards: “Stabilize Addiction/Affect, Begin Inmates’ Interferon for HCV of Liver” and “Treatment Study Using Depot Naltrexone.” He also received a 5-year renewal of the NIDA U01 for the Criminal Justice Drug Abuse Treatment Studies (CJ-DATS2) Rhode Island Research Center. Susan Ramsey, Ph.D. was awarded a new R01 from NIAAA for a project entitled “Brief Alcohol Intervention to Reduce At-Risk Drinking Among Type 2 Diabetes.” Christine Duffy, M.D. received a K07 career development award entitled “Measuring Preferences for Fertility in Breast Cancer for a Decision Aid” from the NCI. Susan Kiene, Ph.D. also initiated a career development (K01) award from the NIMH entitled “Client-Centered Counseling During Routine/Opt-Out Testing in Uganda.”

Magdalena Harrington, a doctoral candidate in the Psychology Behavioral Science Program at the University of Rhode Island, joined the group in December 2008 to support the group’s needs for statistical programming. Traci Craig Green, a Ph.D.-level epidemiologist has been recruited from the Yale School of Public Health to provide further methodological expertise and develop her research interests in HIV/AIDS, pain medicine, health services research, correctional health and substance abuse. Continued growth of the research section is planned for the coming year.

At Memorial Hospital of Rhode Island, Division of General Internal Medicine researcher Dr. Jennifer Clarke continues her work with incarcerated populations and recently received a grant from NIH/NIDA to support her project “Sustaining Tobacco Abstinence after Incarceration.” Dr. Joseph Diaz continues his work on decision aids for colorectal cancer screening, and Dr. 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.

Michael Stein, M.D., Professor of Medicine & Community Health, has established a General Medicine research outpost at Butler Hospital. He continues to
do behavioral intervention studies, focused on substance using populations and persons at risk for HIV. His current projects include: An Alcohol Intervention for Incarcerated Women, Insomnia and Drug Relapse Risk, Antidepressant Use During Office-Based Buprenorphine, Varenicline vs. Nicotine Replacement for Methadone-Maintained Smokers, Efficacy of CBT for Adherence and Depression in HIV Care Settings, Linkage of Hospitalized Opioid Users to Buprenorphine, Reduction of Medical Complications Associated With Injection Drug Use, A Brief Marijuana Intervention for Adolescent Women.

Dr. Stein maintains a primary care practice at 111 Plain Street. He is also involved in the Dominican Republic exchange program, assisting with HIV clinical care in Santiago.

The Division of General Internal Medicine, the largest division in the Department of Medicine, is pleased and 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 and Foundation Based)

PROFESSORS
Mark J. Fagan, M.D. Interim Director
Michele Cyr, M.D.
Peter Friedman, M.D. MPH
Karen Rosene-Montella, M.D.
Michael Stein, M.D.

ASSOCIATE PROFESSORS
Robert Crausman, M.D.
Joseph Diaz, M.D.
Lucia Larson, M.D.
Kelly McGarry, M.D.
Anne W. Moulton, M.D.
Thomas O’Toole, M.D.
Raymond Powrie, M.D.
Dominick Tammaro, M.D.

ASSISTANT PROFESSORS
Ghada Bourjeily, M.D.
Jennifer Clarke, M.D.
Christine Duffy, M.D., MPH,
Rebekah Gardner, M.D.
Susan Kiene, Ph.D.
Suzanne McLaughlin, M.D., M.S.*
Margaret Miller, M.D.
Paul A. Pirraglia, M.D.
Mary Reich Cooper, M.D.
Mark Schleinitz, M.D.

INVESTIGATORS
Patricia Engler, Ph.D.

Clinical Faculty (Hospital and Foundation Based)

PROFESSORS
Carol Landau, Ph.D.

ASSOCIATE PROFESSORS
Khaja Ahmend, M.D.
Thomas Bleesoe, M.D.
Amos Charles, M.D.
Yul Ejnes, M.D.
Jennifer Jeremiah, M.D.
Michael Macko, M.D.
Russell Settipane, M.D.

ASSISTANT PROFESSORS
Ali Akhtar, M.D.
Jeffrey Austerlitz, M.D.
Francis X. Basile, M.D.
Dawna Blake, M.D.
Pual Breiding, M.D.
Stefano Cazzaniga, M.D.
Pradeep Chopra, M.D.
Sybil Cineas, M.D.*
Bradley Collins, M.D.
Shiavax Cowasji, M.D.
Wilfred A. Curioso, M.D.
Ghassan Elkadi, M.D.
Michael Felder, D.O..
Jennifer Gartman, M.D.*
Amy S. Gottlieb, M.D.
Nicholas Grumbach, M.D.,
Meghan Hayes, M.D.
David Herec, M.D.
Debra S. Herman, M.D.
Michael Johnson, M.D.
Warren Licht, M.D.
Michael Maher, M.D.
Steven Mallozzi, M.D.
Donnah Mathews, M.D.
Niharika Mehra, M.D.
Laura Ofstead, M.D.
Jeanne Oliva, M.D.
Susan Oliverio, M.D.
Joseph Rabatin, M.D.
Mark Ryan, M.D.
Benjamin Sapers, M.D.
Kurush Setna, M.D.
Michael S. Siclari, M.D.
Michelle A. Stozek Anvar, M.D.
Edward Stulik, M.D.
James Sullivan, M.D.
Iris Tong, M.D.
Elizabeth Toll, M.D.,
SaritaWarrier, M.D.
BarbaraWeil, M.D.
Karen L. Woolfall-Quinn, M.D.
Tony Wu, M.D.
Najam Zaidi, M.D.

INSTRUCTORS
KristinAnderson, M.D.
Joyce Chang, M.D.
Mary Hohenhaus, M.D.
Thomas Jean, M.D.
Jennifer L. Maude, M.D.
Louis Moran, M.D.
Lorna Russell, M.D.
Parviz Shavady, M.D.

VolunteerClinicalFaculty
ASSOCIATEPROFESSORS
ReidColeman, M.D.
FrederickCrisafulli, M.D.
TariqMalik, M.D.
EdwardMartin, M.D.

ASSISTANTPROFESSORS
AhmadAl-Raqqad, M.D.
KimAmin, M.D.
RexAppenfeller, M.D.
StevenBrin, M.D.
FrankCapizzo, M.D.
JoyceCoppola, M.D.
AnneCushing-Brescia, M.D.
AllenDennisin, M.D.
Peter M. Eller, M.D.
DavidFried, M.D.
NicholasGrumbach, M.D.
GeoffreyHamilton, M.D.
PamelaHarrop, M.D.
ChristineHerbert, M.D.
Guang Hu, M.D.
SadiaIfikihar, M.D.
MarkJacobs, M.D.
StevenKempner, M.D.
RazibKhaund, M.D.
Nancy T. Littell, M.D.
RosarioManalo, M.D.
FadiMansourati, M.D.
DavidA. Marcoux, M.D.
StevenG.McCloy, M.D.
JohnMiskovsky, M.D.
VincentPera, M.D.
JosePolanco, M.D.
RoyPoses, M.D.
Richard J. Ruggieri, M.D.
LarrySchoenfeld, M.D.
HowardSchulman, M.D.
RonaldSchwartz, M.D.
StephenScott, M.D.
JohnStoukides, M.D.
CarolineTroise, M.D.
EdwardWheeler, M.D.

INSTRUCTORS
DanielAsiedu, M.D., Ph.D.
Kimberly S. Babb, M.D.
GeoffreyBerg, M.D.
DouglasBlecker, M.D.
PraveenBondalapati, M.D.
HectorDerreza, M.D.
JeffreyDrogin, M.D.
Elaine B. Fain, M.D.
Bruce E. Fischer, M.D.
LevisGuzman, M.D.
S. IfikiharHussain, M.D.
VitoLongobardi, M.D.
VincentMarcaccio, M.D.
Michael O’ConnellJr., M.D.
Anthony R. Ricci, M.D.
MarinaRodriguez, M.D.
JeanSmith, M.D.
W. TylerSmith Jr. M.D.
ArumugamThanumalaya, M.D.
SreekalaVasudevan, M.D.
ToddViccione, M.D.
JiayingWen, M.D.

TEACHING ASSOCIATES
KatherineCareyBaker, M.D.

*Faculty is part of the MedicinePediatrics Combined Residency Program
SELECTED HONORS AND SCHOLARLY WORK

Joseph A. Diaz, M.D.

HONORS AND AWARDS
◆ Clinician Educator Award, Society of General Internal Medicine New England Region, March 2008

Patricia A. Engler, Ph.D.

INVITED PRESENTATIONS

Mark J. Fagan, M.D.

INVITED PRESENTATIONS
◆ Student Interest in Internal Medicine. Medical Grand Rounds, University of California, Davis School of Medicine, May 2008
◆ Developing a Career as a Medical Educator (Panel). Clerkship Directors in Internal Medicine National Meeting, Orlando, Florida, October 2008

Peter Friedmann, M.D., MPH

HONORS AND AWARDS
◆ President, Association for Medical Education and Research in Substance Abuse (AMERSA). 2007–09.

INVITED PRESENTATIONS

Suzanne McLaughlin, M.D., FACP, FAAP

HONORS AND AWARDS
◆ Member, UCLA/RIT Resident Obesity Training National Advisory Board, 2008–present
◆ Member, Transition Committee, National Medicine/Pediatrics Program Directors’ Association, 2007–present

SCHOLARLY ACTIVITIES

Carol Landau, Ph.D.

INVITED PRESENTATIONS

SCHOLARLY ACTIVITIES
◆ Women’s Health Advisor on Menopause, National Women’s Health Report
◆ Health Content Advisor – National Women’s Health Resource Center

Kelly McGarry, M.D., FACP

HONORS AND AWARDS
◆ Listed in Best Doctors in America – a database representing the top 5% of doctors in over 400 subspecialties of medicine, 2007.
◆ Listed in Best Doctors in America – a database representing the top 5% of doctors in over 400 subspecialties of medicine, 2008.

INVITED PRESENTATIONS

◆ Education Director for the National Center of Excellence in Women’s Health, Brown University and Women & Infants Hospital, Providence, RI, 2005–2008.
◆ Member, Advisory Board for 5 Minute Clinical Consult, Philadelphia, PA, Lippincott Williams & Wilkins
◆Reviewer for American College of Physicians, National Abstract Review Board
◆Reviewer for American Family Physician

Suzanne McLaughlin, M.D., FACP, FAAP

HONORS AND AWARDS
◆ Member, UCLA/RIT Resident Obesity Training National Advisory Board, 2008–present
◆ Member, Transition Committee, National Medicine/Pediatrics Program Directors’ Association, 2007–present

SCHOLARLY ACTIVITIES

Paul A. Pirraglia, M.D.

HONORS AND AWARDS
◆ President, New England Region, Society of General Internal Medicine
Roy Poses, M.D.

Honors and Awards
- Chair, Professionalism Sub-Committee, Clinical Practice Committee, Society for General Internal Medicine, 2007–present.

Invited Presentations
- Seminar leader, seminar on understanding and addressing external threats to ethical and evidence-based practice, 12th National Undergraduate Bioethics Conference, Cambridge, MA, 2009.
- Coordinator and faculty, special session on health care governance, leadership and ethics, Annual Research Meeting, AcademyHealth, Chicago, IL, 2009.
- Visiting Professor, Division of General Internal Medicine, Department of Internal Medicine, University of Iowa, Iowa City, IA, 2009.

Scholarly Activities
- External reviewer, Sheikh HaM.D.an Bin Rashid Al Maktoun Award for the Best Medical College/Institute in the Arab World, 2008.

Joseph Rabatin, M.D.

Invited Presentations
- Workshop Harvard SGIM regional meeting teaching residents communication skills March 2009.

Scholarly Activities
- Advisor to Reynolds grant for clerkships.

Susan Ramsey, Ph.D.

Honors and Awards
- Member, Editorial Board, Substance Abuse: Research and Treatment, 2007–present.

Invited Presentations

Scholarly Activities
- Member, Challenge Grants Panel 1, National Institutes of Health.

Dominic Tammaro, M.D.

Invited Presentations
- Mastering the Match, ACP American College of Physicians, Annual Sessions, Philadelphia, PA, Co-Presenter, April 2009.
- Morning Report: Fourteen Simultaneous Sessions, Association of Program Directors in Internal Medicine, Annual Sessions, Dallas, TX, Overall Workshop Director/Small Group Facilitator, April 2009.

Elizabeth Toll, M.D.

Honors and Awards
- Department of Medicine Beckwith Family Teaching Award, 2009.

Invited Presentations
- A Practical Approach to Mental Health Care Treatment in the Pediatric Primary Care Setting, Co-presenter at the Pediatric Academic Societies National Meeting, Baltimore, M.D., May 2009.

Scholarly Activities
- Senior Team Leader, Medicine Pediatrics Primary Care Center site for Rhode Island Chronic Care Collaborative for Diabetes, 2003–present.

Sarita Warrier, M.D.

Honors and Awards
- Harvey P. Lesselbaum Award - Brown Internal Medicine Residency Program/June 2008.
SELECTED PUBLICATIONS

Joseph A. Diaz, M.D.


Mark J. Fagan, M.D.

Peter Friedmann, M.D.

Amy S. Gottlieb, M.D.

Susan Kiene, M.D.

Carol Landau, Ph.D.

Kelly A. McGarry, M.D.

Paul A. Pirraglia, M.D.


Roy Poses, M.D.


Joseph Rabatin, M.D.


Susan Ramsey, Ph.D.


**RESEARCH**

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**SELECTED CLINICAL RESEARCH**

Dawna Blake, M.D.

VISN Collaborative for Improving Hypertension Management with ATHENA-HTN, Veterans Affairs

Jennifer Clarke, M.D.

MI: Empowering Women to Make Contraceptive Choices While Incarcerated, National Institute of Child Health and Human Development

Sustaining Tobacco Abstinence After Incarceration, National Institute on Drug Abuse

Continuum of Care for Drug-Involved Offenders, Rhode Island Hospital/NIDA

Prevalence of Obesity and Weight Change Among Incarcerated Women in Rhode Island, The Rhode Island Foundation

Joseph A. Diaz, M.D.

Colorectal Cancer Decisions Aids in Primary Care, National Cancer Institute

Colorectal Cancer Decisions Aids in Primary Care (ARRA Supplement), National Cancer Institute

Christine Duffy, M.D., MPH

Measuring Preferences for Fertility in Breast Cancer for a Decision Aid, National Cancer Institute

Measuring Preferences for Fertility in Breast Cancer for a Decision Aid (ARRA Supplement), National Cancer Institute

Peter Friedmann, M.D., MPH

Stabilize Addiction/Affect, Begin Inmates’ Interferon for HCV of Liver, National Institute on Drug Abuse

Treatment Study Using Depot Naltrexone (2/6) Rhode Island Protocol Treatment Site, National Institute on Drug Abuse

Continuum of Care for Drug-Involved Offenders, National Institute on Drug Abuse

Sustaining Tobacco Abstinence after Incarceration, Memorial Hospital of Rhode Island/NIH

Integrating Buprenorphine Opioid Treatment with HIV Primary Care, The Miriam Hospital/HRSA
Opiate Replacement Therapy at Release from Incarceration, The Miriam Hospital/NIDA
Program to Integrate Psychosocial and Health Services in Chronic Disease and Disability, Veterans Affairs
Center on Systems, Outcomes & Quality in Chronic Disease & Rehabilitation (SOQCR), Veterans Affairs
National Criminal Justice Survey (Analysis of an Existing Criminal Justice Drug and Treatment Services – CJDATS Data Set), National Institute on Drug Abuse
Drug Abuse Treatment Survey, National Institute on Drug Abuse

Susan Kiene, Ph.D.
Client-Centered Counseling During Routine/Opt-Out HIV-Testing in Uganda, National Institute of Mental Health
Dynamics of Risky and Safer Sexual Behavior Among Couples in Rural Uganda, The Rhode Island Foundation
Involving Male Partners in Antenatal Services to Increase HIV-Testing and Family Planning Usage in Rural Uganda, Women & Infants Hospital of RI

Paul A. Pirraglia, M.D.
Depression and Anxiety, The Rhode Island Foundation
Partners in Dementia Care, Veterans Affairs

Susan Ramsey, Ph.D.
Brief Alcohol Intervention to Reduce At-Risk Drinking Among Type 2 Diabetes, National Institute on Alcohol Abuse and Alcoholism
Naltrexone for At-Risk and Problem Drinking in Smoking Cessation, Brown University/NIAAA
Preventing Depression in MMT Patients on Interferon, National Institute on Drug Abuse
Brief Intervention to Reduce Drinking Among Batterers, Butler Hospital/NIAAA
Brief Alcohol Intervention with Depressed Patients, National Institute on Alcohol Abuse and Alcoholism
Reducing HIV Risk Among Pregnant Women in Drug Treatment, National Institute on Drug Abuse

Cynthia Rosengard, Ph.D., MPH
Partner-Specific HIV Risk Reduction for Drug Using Incarcerated Adolescents, National Institute on Drug Abuse
Partner Specific Factors in Adolescent Sexual Behavior, National Institute of Mental Health

Mark Schleinitz, M.D., M.S.
Impact of State Medicaid Policy Changes on Nursing Home Hospitalization, Brown University/RWJPR
State Policies and Health Systems Factors Associated with Multiple Transitions, Brown University/NIH
Screening Breast Ultrasound in High-Risk Women, American College of Radiology/NCI
ACRIN 6666 Decision and Cost Effectiveness Project, American College of Radiology/Avon Foundation

Michael Stein, M.D.
Antidepressants During Office-Based Buprenorphine, National Institute on Drug Abuse
A Brief Marijuana Intervention for Adolescent Women, National Institute on Drug Abuse
A Brief Alcohol Intervention for Incarcerated Women, National Institute on Alcohol Abuse and Alcoholism
Insomnia and Drug Relapse Risk, National Institute on Drug Abuse
Mid-Career Investigator Award in Substance Abuse Research, National Institute on Drug Abuse
Varenicline Versus Nicotine Replacement for Methadone-Maintained Smokers, National Cancer Institute
Efficacy of CBT for Adherence and Depression in HIV Care Settings, Mass General Hospital/NIMH
Linkage of Hospital Opioid Users to Buprenorphine, National Institute on Drug Abuse
Reduction of Medical Complications Associated with Injection Drug Use (ARRA Supplement), University of Northern Colorado/NIDA
## INTERNAL MEDICINE RESIDENCY PROGRAM AT MEMORIAL HOSPITAL OF RHODE ISLAND

### Current Residents 2008–2009

#### Chief Resident

Rami S. Eltibi, M.D., *University of Jordan, Jordan*

#### PGY 1

- Pavan Kumar Annamaraju, M.D. - Kasturba Medical College, India
- Anas Al-Sadi, M.D. - King Edward Medical College, Pakistan
- Mosaab Bagegni, M.D. - University of Al Fateh, Libya
- Zeeshan Chauhan, M.D. - Kind Edward Medical College, Pakistan
- Haitham Dababneh, M.D. - University of Jordan
- Sankalp Gokhale, M.D. - Seth G.S. Medical College, India
- Navin Kaini, M.D. - B.P. Koirala Institute of Health Sciences, Nepal
- Feras Karadsheh, M.D. - Jordan University of Science & Technology
- Sajid Saraf, M.D. - Army Medical College, Pakistan
- Aravind Sekhar, M.D. - Bangalore Medical College, India

#### PGY 2

- Rami Abumasmah, M.D. – Al Arab Medical College, Libya
- AbdulRahman AbdulBaki, M.D. - University of Damascus, Syria
- Wesam Ahmed, M.D. - Menoufia University, Egypt
- Ali Al-Alwan, M.D. - University of Jordan, Jordan
- Joseph Bautista, M.D. - University of the East, Philippines
- Indira Konanur, D.O. - University of North Texas Health Science Center-Texas College of Osteopathic Medicine, Texas
- Syed Naqvi, M.D. - King Edward Medical College, Pakistan
- Aravind Sanjeevaiah, M.D. - Bangalore Medical College, India
- Syeda Sayeed, M.D. - Dow Medical College, Pakistan
- Omar Zmeili, M.D. - University of Jordan, Jordan

#### PGY 3

- Saba Asad, M.D. - Fatima Jinnah Medical College for Women, Pakistan
- Jaspreet Dhillon, M.D. - Government Medical College Patiala, India
- Ahmad Ismail, M.D. - Jordan University of Science & Technology, Jordan
- Jagan Kothapally, M.D. - Gandhi Medical College, India
- Ashish Mital, M.D. - St. John's Medical College, India
- Priya Mittal, M.D. - Maulana Azad Medical College, India
- Saed Nemer, M.D. - Al-Quds University Faculty of Medicine, Jerusalem
- Anna Ocasiones, M.D. - University of Santo Tomas, Philippines
- Tarek Rashid, M.D. - Al-Fateh University School of Medicine, Libya
- Ayesha Sheikh, M.D. - Allama Iqbal Medical College, Pakistan
### RHODE ISLAND HOSPITAL / THE MIRIAM HOSPITAL

**Current Residents 2009–2010**

#### CHIEF RESIDENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School/University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bevin Kenney, M.D.</td>
<td>University of Massachusetts</td>
</tr>
<tr>
<td>Priscilla Merriam, M.D.</td>
<td>Jefferson Medical College</td>
</tr>
<tr>
<td>Kate Mavrich, M.D.</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>John Reagan, M.D.</td>
<td>Jefferson Medical College</td>
</tr>
<tr>
<td>Christopher McGowan, M.D.</td>
<td>SUNY–Medical College</td>
</tr>
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#### GENERAL INTERNAL MEDICINE/PRIMARY CARE

**PGY-1**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Matthew Brumbaugh, M.D.</td>
<td>Alpert Medical School</td>
</tr>
<tr>
<td>Heather Cassidy, M.D.</td>
<td>University of Colorado</td>
</tr>
<tr>
<td>Julia Jacobs, M.D.</td>
<td>University of Louisville</td>
</tr>
<tr>
<td>Amanda Livingston, M.D.</td>
<td>Chicago Medical School</td>
</tr>
<tr>
<td>Jamie Marquart, M.D.</td>
<td>University of Missouri</td>
</tr>
<tr>
<td>Jenny Melli, M.D.</td>
<td>UM.D.NJ – RW Johnson</td>
</tr>
<tr>
<td>Rachel Rackow, M.D.</td>
<td>Alpert Medical School</td>
</tr>
<tr>
<td>Lauren Schlanger, M.D.</td>
<td>SUNY Syracuse</td>
</tr>
<tr>
<td>Emily LeVeen, M.D.</td>
<td>University of Pennsylvania</td>
</tr>
<tr>
<td>Katherine Moore, M.D.</td>
<td>University of Kansas</td>
</tr>
<tr>
<td>Maria Robies, M.D.</td>
<td>Indiana University</td>
</tr>
<tr>
<td>Helen Walsh, M.D.</td>
<td>University of South FL.</td>
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**PGY-2**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Christina Beyer, M.D.</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>Aruna Chandrasekhar, M.D.</td>
<td>University of Texas</td>
</tr>
<tr>
<td>Katherine Fox, M.D.</td>
<td>UM.D.NJ – RW Johnson</td>
</tr>
<tr>
<td>Brian Hollenbeck, M.D.</td>
<td>University of Kansas</td>
</tr>
<tr>
<td>Jamie Marquart, M.D.</td>
<td>University of Rochester</td>
</tr>
<tr>
<td>Shivani Reddy, M.D.</td>
<td>New York University</td>
</tr>
<tr>
<td>Trong Trinh, M.D.</td>
<td>Drexel University</td>
</tr>
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#### CATEGORICAL INTERNAL MEDICINE

**PGY-1**

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Joanna Bradley, M.D.</td>
<td>UM.D.NJ – RW Johnson</td>
</tr>
<tr>
<td>Nicholas Csikesz, M.D.</td>
<td>Univ. of Massachusetts</td>
</tr>
<tr>
<td>Cheston Cunha, M.D.</td>
<td>Penn. State University</td>
</tr>
<tr>
<td>Ignacio Echenique, M.D.</td>
<td>Jefferson Medical College</td>
</tr>
<tr>
<td>Katie Fillion, M.D.</td>
<td>University of Vermont</td>
</tr>
<tr>
<td>Sophia Fircanis, M.D.</td>
<td>New York Med. College</td>
</tr>
<tr>
<td>Jennifer Fung, M.D.</td>
<td>SUNY Downstate</td>
</tr>
<tr>
<td>Geetika Gupta, M.D.</td>
<td>University of Rochester</td>
</tr>
<tr>
<td>William Hahn, M.D.</td>
<td>SUNY Syracuse</td>
</tr>
<tr>
<td>Laura Heise, M.D.</td>
<td>University of New Mexico</td>
</tr>
<tr>
<td>Mark Hepokoski, M.D.</td>
<td>University of Minnesota</td>
</tr>
<tr>
<td>Darren Hirsch, M.D.</td>
<td>Jefferson Medical College</td>
</tr>
<tr>
<td>Robert Kuhn, M.D.</td>
<td>SUNY Downstate</td>
</tr>
<tr>
<td>Aida Morse, M.D.</td>
<td>University of Pennsylvania</td>
</tr>
<tr>
<td>Dennis Oyieng'o, M.D.</td>
<td>Moi University</td>
</tr>
<tr>
<td>Tina Park, M.D.</td>
<td>UM.D.NJ/RW Johnson</td>
</tr>
<tr>
<td>Anthony Pham, M.D.</td>
<td>Univ. of Texas Medical</td>
</tr>
<tr>
<td>Lee Rabinowitz, M.D.</td>
<td>Jefferson Medical College</td>
</tr>
<tr>
<td>Bharath Sathy, M.D.</td>
<td>UM.D.NJ Medical School</td>
</tr>
<tr>
<td>Robert Scaffidi, M.D.</td>
<td>Tufts University</td>
</tr>
<tr>
<td>Sameer Shah, M.D.</td>
<td>Tufts University</td>
</tr>
<tr>
<td>Peter Shorter, M.D.</td>
<td>Univ. of South Carolina</td>
</tr>
<tr>
<td>Helen Shum, M.D.</td>
<td>Drexel University</td>
</tr>
<tr>
<td>Linsley Sikorski, M.D.</td>
<td>New York University</td>
</tr>
<tr>
<td>Jesse Soodalter, M.D.</td>
<td>Alpert Medical School</td>
</tr>
<tr>
<td>Nathan Spence, M.D.</td>
<td>University of New Mexico</td>
</tr>
<tr>
<td>Joanne Szczyyjel, M.D.</td>
<td>Albany Medical College</td>
</tr>
<tr>
<td>Kiley Toder, M.D.</td>
<td>Albany Medical College</td>
</tr>
<tr>
<td>Bridget Tracy, M.D.</td>
<td>SUNY Downstate</td>
</tr>
<tr>
<td>Irene Yang, M.D.</td>
<td>Jefferson Medical College</td>
</tr>
<tr>
<td>Franklin Yates, M.D.</td>
<td>Temple University</td>
</tr>
</tbody>
</table>

**PGY-2**

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School/University</th>
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<tbody>
<tr>
<td>Matthew Baker, M.D.</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>Brian Barr, M.D.</td>
<td>Stony Brook Univ. Health</td>
</tr>
<tr>
<td>Kenneth Bishop, M.D.</td>
<td>Univ. of Massachusetts</td>
</tr>
<tr>
<td>Nida Chaudhary, M.D.</td>
<td>Drexel University</td>
</tr>
<tr>
<td>Philip Choi, M.D.</td>
<td>Mt. Sinai School of Med</td>
</tr>
<tr>
<td>Jennifer Colvin, M.D.</td>
<td>Loyola University</td>
</tr>
<tr>
<td>Richard DeSouza, M.D.</td>
<td>Univ. of Massachusetts</td>
</tr>
<tr>
<td>Lauren Dudley, M.D.</td>
<td>University of Connecticut</td>
</tr>
<tr>
<td>Mahim Kapoor, M.D.</td>
<td>UM.D.NJ–RW Johnson</td>
</tr>
<tr>
<td>Richard LaRue, M.D.</td>
<td>University of Tennessee</td>
</tr>
<tr>
<td>Syed Latif, M.D.</td>
<td>Alpert Medical School</td>
</tr>
<tr>
<td>Evan Mariash, M.D.</td>
<td>Chicago Medical School</td>
</tr>
<tr>
<td>Joanna Mecca, M.D.</td>
<td>UM.D.NJ–RW Johnson</td>
</tr>
<tr>
<td>Nikhil Mull, M.D.</td>
<td>Drexel University</td>
</tr>
<tr>
<td>Melissa Pabalanc, M.D.</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>Lakshmi Ravindran, M.D.</td>
<td>University of Missouri</td>
</tr>
</tbody>
</table>
RHODE ISLAND HOSPITAL / THE MIRIAM HOSPITAL

Current Residents 2009–2010

CATEGORICAL INTERNAL MEDICINE continued

PGY-2
Samuel Evans, M.D.
Arkadiy Finn, M.D.
Kristen Hagar, M.D.
Christine Ho, M.D.
Alina Huang, M.D.
Matthew Hudson, M.D.
Jennifer Hwang, M.D.
Omar Hyder, M.D.
Fahmeedah Jamaluddin, M.D.
SUNY Downstate
Tufts University
University of Miami
A. Einstein College of Med
University of Pittsburgh
Chicago Medical School
Albert Medical School
University of Missouri-KC
Katharine Robertson, M.D.
Larry Siu, M.D.
Rebecca Soinski, M.D.
Sharmila Subaran, M.D.
Jeremy Thaden, M.D.
Paul Trowbridge, M.D.
Chia-Ching Wang, M.D.
Lauren Welicky, M.D.
New York Med. College
SUNY Downstate
Jefferson Medical College
University of Connecticut
Mt Sinai School of Med
Wayne State University
SUNY Stony Brook
Stony Brook Univ. Health

PGY-3
Stephanie Ajudua, M.D.
Megan Baumgart, M.D.
Man Chin Chang, M.D.
Nathan Connell, M.D.
Samir Dalia, M.D.
Sarah DeNucci, M.D.
Kathleen Eldridge, M.D.
Meghana Gadgil, M.D.
Matthew Griffin, M.D.
Aarti Gupta, M.D.
Ajita Kundaikar, M.D.
Jianqing Li, M.D.
Zeina Wajdi Maani, M.D.
Joseph Manlolo, M.D.
Daniel Markley, M.D.
Bryna McConarty, M.D.
Alpert Medical School
Albany Medical College
University of Connecticut
University of Miami
Alpert Medical School
Alpert Medical College
Jefferson Medical College
St. Christopher Col. of Med
SUNY Buffalo
Drexel University
Jordan University
Med. College of Wisconsin
UM.D.NJ- R. W. Johnson
John Mills, M.D.
Mary Ellen O’Brien, M.D.
Benjamin O’Donnell, M.D.
Kathryn O’Donnell, M.D.
Melissa Piech, M.D.
William Robinson, M.D.
Aaron Samuels, M.D.
Bashar Sattieh, M.D.
Elizabeth Stevenson, M.D.
Gniewomira Swaldek, M.D.
Nofar Syed, M.D.
Hao Tran, M.D.
Jill Tremblay, M.D.
Marisa VanPoznak, M.D.*
UM.D.NJ - R. W. Johnson
UM.D.NJ - R. W. Johnson
Med. University of Ohio
Temple University
University of Connecticut
Albany Medical College
University of Maryland
Creighton University
University of Kansas
Drexel University
Poznan Univ. of Medicine
Case Western Reserve
Drexel University
Georgetown University
Dartmouth Medical School

PRELIMINARY INTERNAL MEDICINE

PGY-1
Brett Blake, M.D.
Erik Cantrell, M.D.
Sandy Chira, M.D.
Allison Cohen, M.D.
Salma Faghri, M.D.
Emily Goldenberg, M.D.
University of South Florida
Texas Tech University
Alpert Medical School
NY Medical College
Alpert Medical School
Virginia Comm. University
Andrew Hawkins, M.D.
Serggio Lanata, M.D.
Jeffrey Liu, M.D.
Rajiv Magge, M.D.
Michael Seidler, M.D.
Univ. of North Carolina
Univ. of South Florida
Alpert Medical School
University of Pittsburgh
McGill University

MEDECINE/PEDIATRICS

PGY-1
Melinda Biernacki, M.D.
Rachel Epstein, M.D.
University of Connecticut
Jefferson Medical College
Anne Gaboney, M.D.
Stephanie Tecum, M.D.
University of Indiana
Alpert Medical School

PGY-2
Sarah Bagley, M.D.
Alexander Diaz de VillaVilla, M.D.
Georgetown University
Yale University
Pooja Rao, M.D.
Natthapol Songdej, M.D.
University of Rochester
University of Rochester

PGY-3
Justin Eldridge, M.D.
Sylvia LaCourse, M.D.
Jefferson Medical College
University of Louisville
Raina Phillips, M.D.
Natasha Rybak, M.D.
University of Illinois
Alpert Medical School

PGY-4
Jacqueline Firth, M.D.
Charlene Flash, M.D.
Tulane University
Robert Wood Johnson Medical School
Susanna Winston, M.D.
University of Minnesota
### RHODE ISLAND HOSPITAL/THE MIRIAM HOSPITAL

#### Post Graduate Plans: Categorical Internal Medicine (2008–2009)

| CHIEF RESIDENCY | 2009 | Internal Medicine Residency, Alpert Medical School, Providence, RI  
|                 |      | Internal Medicine Residency, Alpert Medical School, Providence, RI  
|                 |      | Internal Medicine Residency, Alpert Medical School, Providence, RI  
|                 |      | Internal Medicine Residency, Alpert Medical School, Providence, RI  
|                 |      | Internal Medicine Residency, Alpert Medical School, Providence, RI  
| 2008 | Internal Medicine Residency, Alpert Medical School, Providence, RI  
|      | Internal Medicine Residency, Alpert Medical School, Providence, RI  
|      | Internal Medicine Residency, Alpert Medical School, Providence, RI  
|      | Internal Medicine Residency, Alpert Medical School, Providence, RI  
|      | Internal Medicine Residency, Alpert Medical School, Providence, RI  

#### FELLOWSHIP PLACEMENT

##### Cardiovascular

| 2010 | Alpert Medical School of Brown University, Providence, RI  
|      | Jefferson Medical College  
| 2009 | Alpert Medical School of Brown University, Providence, RI  
|      | Alpert Medical School of Brown University, Providence, RI (2010)  
| 2008 | Alpert Medical School of Brown University, Providence, RI  
|      | Washington University, St. Louis, MO  
|      | Washington Hospital Center, Washington, DC  
|      | University of Medicine and Dentistry of New Jersey - Robert Wood Johnson Medical School,  

##### Endocrinology

| 2010 | George Washington University, Washington, DC  
|      | Alpert Medical School of Brown University, Providence, RI  
|      | Lahey Clinic, Burlington, MA  
| 2009 | Stanford University, Stanford, CA (2010)  
|      | Alpert Medical School of Brown University, Providence, RI  

##### Gastroenterology

| 2010 | Ohio State University, Columbus, OH  
|      | State University of New York Stonybrook, Stonybrook, NY  
| 2009 | SUNY - Buffalo, Buffalo, NY  
|      | Albert Einstein, New York, NY  
|      | Lahey Clinic, Burlington, MA  
|      | University of North Carolina at Chapel Hill, Chapel Hill, NC (2010)  
| 2008 | Ohio State University, Columbus, OH  
|      | Oschner Clinic, New Orleans, LA  
|      | University of New Mexico (2009)  
|      | University of Florida, Gainesville, FL  

##### Hematology-Oncology

| 2009 | Mt. Sinai Medical Center, New York, NY (2010)  
|      | Duke University, Durham, NC (2010)  
|      | Yale University, New Haven, CT  
|      | Alpert Medical School of Brown University, Providence, RI (2010)  
|      | Alpert Medical School of Brown University, Providence, RI (2010)  
| 2008 | UCLA Medical Center, Los Angeles, CA  
|      | Tufts-NEMC, Boston, MA  
|      | Alpert Medical School of Brown University, Providence, RI  
|      | Alpert Medical School of Brown University, Providence, RI  


<table>
<thead>
<tr>
<th>Post Graduate Plans: Categorical Internal Medicine (2008–2009) continued</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Infectious Disease</strong></td>
</tr>
</tbody>
</table>
| 2008 | University of North Carolina, Chapel Hill, NC  
Northwestern, Chicago, IL (2009) |
| **Nephrology** |
| 2009 | University of California San Francisco, San Francisco, CA  
Alpert Medical School of Brown University, Providence, RI  
Albert Einstein College of Medicine, New York, NY |
| 2008 | Cornell University, Ithaca, NY  
Cornell University, Ithaca, NY  
University of Virginia, Charlottesville, VA  
Alpert Medical School of Brown University, Providence, RI  
Alpert Medical School of Brown University, Providence, RI |
| **Palliative Care** |
| 2009 | Harvard University, Cambridge, MA |
| **Pulmonary Diseases & Critical Care Medicine** |
| 2009 | University of Kansas, Kansas City, KS (2010)  
Alpert Medical School of Brown University, Providence, RI  
University of Virginia, Charlottesville, VA  
New York University, New York, NY (2010) |
| **Rheumatology** |
| 2009 | Duke University, Durham, NC (2010)  
Duke University, Durham, NC (2010) |
| 2008 | Roger Williams Medical Center, Providence, RI  
Albert Einstein College of Medicine, NYC, NY |
| **Medical Practice** |
| 2009 | The Frist Clinic, Centennial Medical Center, Nashville, TN |
| 2008 | South Shore Medical Center, Norwell, MA  
Private Practice, Chicopee, MA  
Depage Internal Medicine, Carol Stream, IL  
Internal Medicine Practice, Washington, DC |
| **Academic Medical Practice** |
| 2009 | Attending, Division of General Internal Medicine, RI Hospital |
| **Hospitalist** |
| 2009 | Salmon Creek Hospital, Legacy Health System, Vancouver, WA (assignment through Locums) |
| 2009 | Milford Regional Medical Center, Milford, MA |
| 2009 | The Miriam Hospital, Providence, RI |
| 2008 | Rex Hospital, UNC, Chapel Hill, NC  
Mayo Clinic, Rochester, NY  
Wayne Memorial Hospital, Honesdale, PA |
| **Research** |
| 2010 | Investigator/Researcher, Centers for Disease Control, Atlanta, GA |
## RHODE ISLAND HOSPITAL/THE MIRIAM HOSPITAL

### Post Graduate Plans: Primary Care (2008–2009)

#### CHIEF RESIDENCY

<table>
<thead>
<tr>
<th>Year</th>
<th>Location and Details</th>
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<tbody>
<tr>
<td>2009</td>
<td>Alpert Medical School Internal Medicine Residency, Providence, RI</td>
</tr>
<tr>
<td>2008</td>
<td>Alpert Medical School Internal Medicine Residency, Providence, RI</td>
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#### FELLOWSHIP PLACEMENT

##### Endocrinology

<table>
<thead>
<tr>
<th>Year</th>
<th>Institution and Details</th>
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<tbody>
<tr>
<td>2009</td>
<td>Duke University, Durham, NC (2010)</td>
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<td>2008</td>
<td>University of Vermont, Burlington, VT</td>
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##### Geriatrics

<table>
<thead>
<tr>
<th>Year</th>
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<tbody>
<tr>
<td>2008</td>
<td>Alpert Medical School of Brown University, Providence, RI</td>
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##### Geriatrics Palliative Care

<table>
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<th>Year</th>
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##### Infectious Diseases

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<td>2009</td>
<td>Alpert Medical School of Brown University, Providence, RI</td>
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</table>

##### Pulmonary Diseases & Critical Care Medicine

<table>
<thead>
<tr>
<th>Year</th>
<th>Institution and Details</th>
</tr>
</thead>
</table>
| 2009 | Hospice and Palliative Care, Massachusetts General Hospital, Dana Farber Cancer Institute and Brigham and Women’s Hospital, Boston, MA  
Pulmonary/Critical Care Fellowship, New York University |

##### Rheumatology

<table>
<thead>
<tr>
<th>Year</th>
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<tbody>
<tr>
<td>2009</td>
<td>Scripps Clinic, San Diego, CA</td>
</tr>
</tbody>
</table>

##### Medical Practice

<table>
<thead>
<tr>
<th>Year</th>
<th>Institution and Details</th>
</tr>
</thead>
</table>
| 2009 | University Health Services, Penn State University, State College, PA  
Lahey Clinic Medical Center, Burlington, MA  
NYU / Murray Hill Medical Group, New York, NY  
University Internal Medicine, Pawtucket, RI  
Silver Healthcare, Silver City, NM |
| 2008 | Tufts Medical Center, Boston, MA |

##### Academic Medical Practice

<table>
<thead>
<tr>
<th>Year</th>
<th>Institution and Details</th>
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<tbody>
<tr>
<td>2009</td>
<td>Consultant/Instructor, Botswana-UPenn Partnership, Department of Infectious</td>
</tr>
<tr>
<td>2008</td>
<td>Attending, Division of General Internal Medicine, RI Hospital</td>
</tr>
</tbody>
</table>

##### Hospitlist

<table>
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<tr>
<th>Year</th>
<th>Institution and Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>The Miriam Hospital, Providence, RI</td>
</tr>
</tbody>
</table>
| 2008 | Mt. Sinai Hospital, NY, NY  
South Shore Hospital, Weymouth, MA  
Northwestern, Chicago, IL |
### RHODE ISLAND HOSPITAL

Post Graduate Plans: Medicine / Pediatrics

#### CHIEF RESIDENCY

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
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<tbody>
<tr>
<td>2009</td>
<td>Pediatric Chief Resident</td>
<td>Habro Children’s Hospital, Providence, RI</td>
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<tr>
<td>2008</td>
<td>Internal Medicine Residency</td>
<td>Alpert Medical School, Providence, RI</td>
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#### FELLOWSHIP PLACEMENT

<table>
<thead>
<tr>
<th>Area</th>
<th>Year</th>
<th>Institution</th>
</tr>
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<tbody>
<tr>
<td>Hematology/Oncology</td>
<td>2008</td>
<td>St. Jude’s Children’s Research Hospital, Memphis, TN</td>
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<tr>
<td>Infectious Disease</td>
<td>2010</td>
<td>Harvard Medical School, Beth Israel Deaconess Medical Center, Boston</td>
</tr>
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<td></td>
<td>2009</td>
<td>Stanford University, Stanford, CA (2010)</td>
</tr>
<tr>
<td>Pulmonary-Critical Care</td>
<td>2009</td>
<td>Pulmonary/Critical Care Fellowship, Alpert Medical School (2009)</td>
</tr>
<tr>
<td>Medical Practice</td>
<td>2009</td>
<td>University of Utah Community Clinics, Salt Lake City, UT</td>
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<td>Academic Medical</td>
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<td>Faculty, Medicine/Pediatrics Clinic, University of Massachusetts, Westborough, MA</td>
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<td>Pediatric Faculty, Moi University Hospital, Kenya</td>
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<td>2008</td>
<td>Attending, Medicine/Pediatrics Primary Care Center</td>
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Resident Research Day Poster Competition
# MEMORIAL HOSPITAL

## Post Graduate Plans

### CHIEF RESIDENCY

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<th>Year</th>
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<tr>
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<td>Internal Medicine Residency, Memorial Hospital of Rhode Island, Warren Alpert School of Medicine of Brown University</td>
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### FELLOWSHIP PLACEMENT

#### Cardiovascular

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#### Geriatrics

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#### Nephrology

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<tr>
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#### Hematology-Oncology

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<td>2008</td>
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#### Nuclear Cardiology

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#### Pulmonary Diseases & Critical Care Medicine

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<td>2008</td>
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#### Medical Practice

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<th>Year</th>
<th>Program Details</th>
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| 2009 | Coastal Medical Center, East Providence, RI  
St. Elizabeth’s Medical Center, Tufts University School of Medicine, Worcester, MA  
The Miriam Hospital, Providence, RI  
The Miriam Hospital, Providence, RI  
Memorial Hospital of Rhode Island, Warren Alpert School of Medicine of Brown University, Pawtucket, RI  
Rhode Island Hospital, Warren Alpert School of Medicine of Brown University, Providence, RI  
Rhode Island Hospital, Warren Alpert School of Medicine of Brown University, Providence, RI  
The Miriam Hospital, Providence, RI |
| 2008 | Dartmouth-Hitchcock Clinic, Manchester, NH  
Nardone Medical Associates, Inc., Pawtucket, RI  
St. Elizabeth’s Hospital, Boston, MA  
St. Vincents Hospital, Worcester, MA  
Rhode Island Hospital, Warren Alpert School of Medicine of Brown University, Providence, RI |

#### Hospitalist

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<td>2009</td>
<td>Milford Regional Medical Center, Milford, MA</td>
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The past two academic years have seen dynamic change for the Division. Despite faculty turnover, programs in clinical care, education and research have continued to expand and mature. The Division has been awarded a John A. Hartford Foundation Center of Excellence in Geriatric Medicine and Training, in support of career development for academic faculty geriatricians (July, 2008 – June, 2011, $450,000) – a major objective for our Division. Five faculty members and two advanced fellows receive support. The Donald W. Reynolds project has completed 3 years of work (4 years, $2 million) on establishing comprehensive programs to strengthen physician education and training in geriatrics. These two grants place the Division and Brown among only 14 geriatrics programs nationally winning both awards. All junior faculty members in the Division are funded on one or the other of these grants, and 6 are on both. Three Division faculty members applied for the Federal Geriatric Academic Career Award in 2007 (Drs. McMackin, McNicoll, and Tuya), and all three received this 3-year career development grant. Rhode Island Hospital has funded the Division of Geriatrics to develop and implement a comprehensive Palliative Medicine Program for the hospital, in collaboration with Home and Hospice Care of RI (HHCRI) – the largest not-for-profit hospice in the State, and already an important partner of the Division in clinical care, education and research related to end-of-life care. A fellowship in Palliative Medicine is also under development. With accreditation of the fellowship, the Division name will change to Geriatrics and Palliative Medicine, in recognition of strong congruent programs. A comprehensive clinical, educational and research program in Geriatrics has been launched in collaboration with the Providence VA Medical Center. New clinical relationships have been established with another excellent nursing home (Tockwotton Home, Dr. Gravenstein is medical director), joining our existing programs with the Steere House, Epoch on Blackstone and Oak Hill facilities.

Stefan Gravenstein, M.D., MPH, was recruited as Associate Division Director in 2007. He previously was the John Franklin Chair of Geriatrics, Professor of Medicine, Director of the Division of Geriatrics and its Geriatrics Fellowship program, and Director of the Glennan Center on Aging, all at Eastern Virginia Medical School. He is an eminent scientist, teacher and clinician. His primary roles include quality improvement work with Quality Partners of RI, research and research mentoring, as well as participation in the cross-setting clinical (RIH inpatient, assisted living and nursing home) and educational programs of the Division. In 2009, Noel Javier, M.D., MPH, was recruited as Assistant Professor (clinician educator) from U Michigan, where he trained in IM, Geriatrics and Palliative Medicine. He will work in both Geriatrics and in the division’s growing focus on palliative medicine, the latter in collaboration with HHCRI. John Murphy, M.D., has been appointed Vice President for Medical Affairs at RIH; he continues an active geriatrics practice and mentoring fellows. Ana Tuya Fulton, M.D. (teacher scholar track), recruited from the fellowship to the faculty in 2006, was appointed Director of Medical Services at Butler Hospital in 2007. She remains a member of the Division, and continues her career development as a teacher scholar. Ramona Rhodes, M.D., MPH (research scholar track), Assistant Professor, also recruited from the fellowship to the faculty in 2006, received a career development award from the National Palliative Care Research Center (7/09–6/11). David Dosa, M.D., MPH (research scholar track), is co-PI on an NIH R01 award (2008) with Vince Mor, Ph.D., to study emergency preparedness in nursing homes. Joan Teno, M.D., MS, an internationally respected senior scientist, studies end-of-life care and is Associate Medical Director for HHCRI; she is part time.
in the Division. Naomi McMackin, M.D., recruited in 2005 as lead geriatrician at Memorial Hospital of RI, left our faculty in 2007 because of maternity and family relocation. The Division mourns the tragic death of long-time senior faculty member Tom Wachtel (6/09).

ACCOMPLISHMENTS

The prestigious Reynolds Foundation award has been productive, both in geriatrics-related curriculum innovation for the medical school and for multiple residencies, as well as in faculty development. Taking advantage of concurrence with the major curriculum redesign in the medical school that began in 2006, this project has generated aging-related content for every relevant course in every year for every student, and supplied examination questions on the material. More than 80 hours of new aging-related content has been integrated into the pre-clerkship curriculum of the first two years. Clinical experiential goals in geriatrics have been established for 6 of 7 mandatory clinical clerkships, and themes across the clerkships are being developed (end-of-life care already deployed; transitions in care being discussed). Multiple residencies have been enriched, especially Internal Medicine. A website is housed within the Medical School's curriculum site (Educational Resources on Aging [ERA]), with more than 125 separate learning objects related to aging, including slide sets, curriculum content outlines, examination questions, videos and articles to support learners throughout the community. 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, and aging served as the prototype. Also supported by Reynolds is a specifically tailored faculty development program for geriatricians, created in collaboration with the Brown University Sheridan Center for Teaching and Learning. Advanced fellows and junior faculty (including nurse practitioners) in the teacher scholar track enrolled in the Center’s year 1 program in 2007, and worked with Sheridan staff to design a follow on geriatrics work group that has continued and enrolled additional trainees. Multiple posters, abstracts and 2 scholarly papers have resulted from the work, and the Sheridan Center is expanding its programs for faculty in clinical departments on the model of the geriatrics initiative. Eleven fellows and faculty have participated in the Sheridan Geriatrics Project.

The Hartford Center of Excellence award recognizes and augments the Division's fine record of recruiting and training excellent fellows, who have ascended to academic faculty positions here (Drs. Rhodes, Tuya Fulton), and at other institutions (Drs. Farrell, Blanchard). Junior faculty members have gratifyingly gotten funding and moved into leadership positions (Dr. Tuya Fulton at Butler Hospital, Dr. Dosa at the VA). The ones who leave and continue to prove their excellence also build the Brown/RIH/UMF reputation.

The geriatric medicine fellowship program, accredited in 2002, graduated its 12th, 13th and 14th fellows in 2009. Ten of the graduates since inception have gone on to academic faculty careers in Geriatrics, and four have pursued careers focused on clinical practice. Three fellows committed to academic faculty careers entered the program 7/09, and two current 1st years will do a 2nd year of academic training. Other elite programs have been able to recruit few or no fellows recently. A goal that emerged during the 2008–09 academic year has been to expand and enhance geriatrics programs at TMH. Using the asset of the Fellowship Program, The Miriam Hospital has developed and implemented a new program in geriatrics - a formal clinical and educational program in Geriatrics Hospitalist Medicine. Continuing the tradition of hospital-wide excellence in care of older patients (GENESIS, below), Kwame Dapaah Afriyie, M.D., FACP, Chief of the Hospital Medicine Program at TMH, and a formal lecturer in the Fellowship on hospital care of older patients, joined his own expertise in Geriatrics with that of the newly recruited former geriatrics fellow, Dr. Deepak Thiagarajan to create a formal rotation that brings all Geriatric Medicine Fellows to TMH for education in hospital care of elders. Residents and medical students also have experience with the team.

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. The Division Director serves on TMH's Clinical Quality Council and rounds twice monthly in the Professors Rounds series for the residents.
The Geriatrics Program at the Providence VAMC provides ambulatory primary care and interdisciplinary assessment for a panel of hundreds of elder veterans. Clinical outcomes for this population are improving substantially, compared with previous care. Geriatrics fellows and internal medicine residents learn geriatrics in this setting. In addition, a health services research program and junior faculty career development program are underway. Faculty positions in education, clinical care and research are being supported, as well as geriatrics fellows.

Research productivity of the Division has been concentrated at the Center for Gerontology and Healthcare Research on the Brown campus; the Division Director is also Center Director. One of 10 centers comprising the research arm of the Program in Public Health, the Gerontology Center is internationally respected for its studies on health and healthcare of older persons. Research activities of Drs. Besdine, Dosa, Gravenstein, Rhodes and Teno occur primarily in the setting of the Center; productivity has increased substantially over the past two years in spite of no new faculty additions. The Center’s 19 faculty hold more than 40 active grants, including a $10 million program project on nursing home quality and policies to enhance the quality of that care (Vince Mor, PI). Of 51 proposals submitted in the past academic year (including 8 proposals for Recovery Act funding), 18 have been funded, 20 are still under review, and 13 were not funded. Two stimulus grants totaling > $2 million have been awarded. Important to the Center’s research success is the ability to train and launch the careers of the next generation of health services research scientists. The T32 post-doctoral training grant in Health Services Research is in its 24th year, (AHRQ), and is available, along with the Brown MPH Program, to geriatrics fellows pursuing research careers. This grant has trained 58 post-doctoral fellows to date; 61% have received at least 1 NIH (R01, R03, K07) or Foundation grant. Almost all (>80%) conduct health services or policy research. Eleven have academic leadership roles. Three geriatrics fellows have graduated from this program. A new development in the past two years has been the emergence of education-related research as an outgrowth of the Reynolds Grant. Drs. McNicoll and Nanda, and several advanced fellows have presented and published abstracts and papers from the work.

The Gerontology Center and Division of Geriatrics have played major roles in the development of health services research at the VA. Susan Allen, Deputy Director of the Center, is Co-Director (Peter Friedmann, M.D., Director) for the Center for Integrating Psychosocial and Health Services, funded by a Targeted Research Enhancement Program (TREP) Award; she will continue in this role for the Research Enhancement Award Program (REAP), the next step up in core funding for further development of the VA Program. Vince Mor has chaired the Steering Committee for the TREP, and Fox Welle chairs the Steering Committee for the REAP – both senior faculty in the Gerontology Center. Through the TREP, Center faculty members have been independently funded by the VA (Amal Trivedi, M.D., MPH – Career Development Award; Linda Resnik, Ph.D. – Merit Award; Orna Intrator, Ph.D. – co-PI on a Merit Award; David Dosa, M.D., MPH – CDA under review).

FACULTY MEMBERS

Full-Time Faculty
(Hospital and Foundation Based)

PROFESSORS
Richard W. Besdine, M.D.
Stefan Gravenstein, M.D., MPH,
John B. Murphy, M.D.
Joan Teno, M.D.
Tom J. Wachtel, M.D.

ASSOCIATE PROFESSORS
Robert Crausman, M.D.
David Gifford, M.D., MPH

ASSISTANT PROFESSORS
David M. Dosa, M.D., MPH
Sam Maghuyop, M.D., RN
Edward Martin, M.D.
Lynn McNicoll, M.D.
Aman Nanda, M.D.,
Ana Tuya, M.D.
Ramona Rhodes, M.D., MPH

Clinical Faculty
(Hospital and Foundation Based)

ASSISTANT PROFESSORS
Deepak Thiagarajan, M.D.
Noel Javier, M.D.

Faculty Transitions

DEPARTED FACULTY
Naomi McMackin, M.D.

NEW FACULTY
Stefan Gravenstein, M.D., MPH, CM.D., Professor of Medicine (2007)
Samuel Maghuyop, RN, M.D., Clinical Assistant Professor (2008)
GERIATRIC MEDICINE FELLOWSHIP PROGRAM • FELLOWS ENROLLED 7/1/07–6/30/09

<table>
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<tr>
<th>Fellows</th>
<th>Medical School</th>
<th>Residency</th>
<th>Years Trained</th>
<th>Enrolled</th>
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<th>Present Employment</th>
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<tr>
<td>Gary Blanchard</td>
<td>Tufts Boston MA</td>
<td>St. Vincent Hospital Worcester, MA</td>
<td>1</td>
<td>7/08–6/09</td>
<td>Eligible</td>
<td>Staff Physician, St. Vincent's Hospital, Worcester MA Clinical Asst. Prof (geriatrics, EC)</td>
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<tr>
<td>Timothy Farrell</td>
<td>U Mass Worcester MA</td>
<td>Brown Family Medicine</td>
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<td>7/07–6/09</td>
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<td>Assistant Professor of Division of Geriatrics University of Utah (EC)</td>
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<td>Porpon Rotjanapan</td>
<td>Mahidol University Thailand</td>
<td>Metro West Med Center Natick MA IM (Categorical)</td>
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<td>First Year Infectious Disease Fellow, University of Iowa Hospitals &amp; Clinics (EC)</td>
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<td>Rebecca Starr</td>
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<td>Staff Physician, Elder Service Plan, Cambridge Healthie Alliance, MA (CP-m)</td>
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<tr>
<td>Mia Tomas</td>
<td>U Philippine s U CT IM (Primary Care)</td>
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<td>1</td>
<td>7/08–present</td>
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<td>2nd Year fellow (EC)</td>
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EC = Educator Clinician faculty career
CP-m = Clinical Practice with mentoring of students, residents or practicing physicians

SELECTED HONORS AND SCHOLARLY WORK

Richard W. Besdine, M.D.

HONORS AND AWARDS

- Visiting Professor, National Council for Research (CNR) and University of Padova; Padova, Italy (2009)
- Best Doctors in America (Geriatrics, all editions)
- Scientific Delegate of American Geriatrics Society to Italian Geriatrics Society (2009)

INVITED PRESENTATIONS

- Jack Merritt Visiting Professor, Yale Medical School and St. Rafael’s Hospital 2008
- Medical Grand Rounds, Umass Medical School 2009
- Medical Grand Rounds, Massachusetts General Hospital 2009

SCHOLARLY ACTIVITIES

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

David M. Dosa, M.D., MPH

HONORS AND AWARDS

- Research Enhancement Award Program (REAP) Scholar
- Hartford Foundation Scholar

INVITED PRESENTATIONS

- “Should I Stay or Should I Go: The Question of Nursing Home Evacuation?” Invited Symposium Presentation at 2009 Gerontological Society of America Conference: Atlanta GA.

SCHOLARLY ACTIVITIES

- Reviewer, J American Geriatrics Society, J American Medical Director’s Association, Aging Clinical and Experimental Research
- Reviewer, Geriatric Medicine, American Board of Internal Medicine
- Study Section: HRSA Geriatrics Academic Career Award, August 2007
Ana Tuya Fulton, M.D.

Honors and Awards
- Geriatric Academic Career Award (GACA) from HRSA awarded 9/07.
- Assistant Director to the Reynolds Foundation Grant, July 06-July 08 (PI Besdine)

Stefan Gravenstein, M.D., MPH

Honors and Awards
- Clinical Practice Guideline committees (three different committees) for Infectious Disease Society of America (influenza in long-term care, fever, chemoprophylaxis)
- Chair, Results Workgroup, national Advancing Excellence Campaign, 2007-2009; and, since 2006, Member, Advancing Excellence in America's Nursing Homes Campaign Steering Committee
- Best Doctors in America (Geriatrics)

Invited Presentations
- Boston University, Boston, MA at Gerontology Center on Biology of Aging and Influenza, 2008
- Advancing Excellence Campaign, Washington, DC on Campaign Results to Medicare QIO leadership 2009

Scholarly Activities

Lynn McNicoll, M.D., FRCPC

Honors and Awards

Invited Presentations

Scholarly Activities
- Reviewer, J American Geriatrics Society
- Guest Editor – Health and Medicine RI, August 2009 Issue
- Director, Scholarly Concentration in Aging
- Director of Education, Division of Geriatrics
- Leadership Member, RI ICU Collaborative

John Murphy, M.D.

Honors and Awards
- President-elect American Geriatrics Society, 2007
- President of American Geriatrics Society 5/08–5/09
- Chairman of the Board, American Geriatrics Society 5/09–10

Scholarly Activities
- Reviewer, Family Medicine, J American Board of Family Medicine

Aman Nanda, M.D.

Honors and Awards
- Joint Organizing Secretary, International Congress on Gerontology and Geriatric Medicine. India Institute of Medical Sciences (AIIMS), New Delhi, India, 2009

Invited Presentations
- Nanda A. “Using Narrative Journals to Evaluate Integration of Geriatrics into the Medical School Curriculum,” Paper presentation, AGS 2009 Annual Meeting
- Nanda A. 3 presentations, International Congress on Gerontology and Geriatric Medicine. India Institute of Medical Sciences, 2009, New Delhi, India.

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

Tom Wachtel, M.D.

Scholarly Activities
- Reviewer - A J Medicine, Annals of Internal Medicine, J General Internal Medicine, J the American Geriatrics Society, JAMA, New England Journal of Medicine
SELECTED PUBLICATIONS

Richard W. Besdine, M.D.

David M. Dosa, M.D., MPH

Ana Tuya Fulton, M.D.

Stefan Gravenstein, M.D., MPH

Lynn McNicoll, M.D.

John Murphy, M.D.
- Murphy JB, Hollman P. Response Letter to Dr. Stefanacci et al. JAGS, 2009;57:1118.

Aman Nanda, M.D.
- Nanda A, Bourbonniere M, Wetle T, Teno J. Home care in the last year of life: Family member perceptions of unmet need associated with last place of care. JAMA, 2009, in press.

Ramona Rhodes, M.D., MPH

Joan Teno, M.D., MS
- Teno JM, Connor SR. Referring a patient and family to high-quality palliative care at the close of life: “We met a new personality… with this level of compassion and empathy”. JAMA. 2009 Feb 11;301(6):651–9.
RESEARCH

Richard Besdine, M.D.
- Reynolds Foundation, Mandatory Geriatrics Education for Brown Medical School: Comprehensive Curriculum Redesign
- Hartford Foundation, Center of Excellence in Geriatric Medicine and Training At Brown

David Dosa, M.D.
- Veterans Administration, Medication Use as a Quality Indicator in VA Nursing Home Care Units
- California Healthcare Foundation, Evaluation of the “Reducing Potentially Preventable Transfers at End of Life” Project

Lynn McNicoll, M.D.
- Rhode Island Foundation, ICU Utilization Among Nursing Home Residents
- Department of Health and Human Services/Health Resources and Services Administration/Bureau of Health Professions, Geriatric Academic Career Award

Ramona Rhodes, M.D.
- Brown University and National Institute of Health, Use of Feeding Tubes Among Person with Advanced Dementia

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DIVISION OF HEMATOLOGY/Oncology
OVERVIEW

The combined Hematology/Oncology group at Rhode Island Hospital and Miriam, and the Warren Alpert Medical School at Brown University has progressed in its quest for excellence in clinical care, education, and basic and clinical research. We have welcomed three new M.D. faculty members: Drs. David Berz, Jorge Castillo, and Angela Plette, and Dr. Ravi Krishnadasan departed for Arizona.

Dr. Howard Safran has assumed leadership of BrUOG and the clinical research group, and exciting new protocols have been initiated with increasing accrual rates.

A clinical Translational Research Program around cancer microvesicles and their ability to change the phenotype of normal cells has been initiated and resulted in a number of abstracts on breast, prostate, and lung cancer, and one small grant to Dr. Renzulli. Manuscripts are now in preparation.

The Division now has a total of 7 Nurse Practitioners or Physician Assistants supporting the clinical operation. They have had an impressive impact.

Educational activities have continued to be emphasized with Dr. Mary Anne Fenton leading the Curriculum Committee and the efforts to establish a full set of SOPs for Hematology/Oncology.

The Fellowship Program under Dr. Anthony Mega continues to provide excellent clinical teaching and has been expanding as to the research venues offered.

We have continued to work towards the establishment of a stem cell transplant unit. Negotiations with Roger Williams have led to agreements to establish a combined transplant operation with an independent but cooperative unit at both Rhode Island Hospital and Hasbro.

Clinical activity has continued to grow with an estimated 15% increase at both institutions.

Dr. James Butera continues to establish his Hematological Malignancies Section, and the Wednesday meetings have been a success.

Dr. Tony Mega has led the establishment of a Multidisciplinary Urology Clinic between Miriam and RIH.

A new inpatient service has begun at Miriam with Fellow and Nurse Practitioner involvement and an emphasis on teaching. It has proved to be a real success.

We have been awarded two COBRE grants. Doug Hixson is PI on one, and Peter Quesenberry is PI on the other. This provides infrastructure and research funding, and amounts to over 20 million total dollars over the next 5 years.

Plans are now proceeding for renovations of our research space in Coro, which will be carried out in a 2 phase operation.

Plans for further recruitment are in development.
FACULTY MEMBERS

Full-Time Faculty
(Hospital and Foundation Based)

PROFESSORS
Douglas Hixson, Ph.D.
Djuro Josic, Ph.D.
Peter J. Quesenberry, M.D.
Fred Schiffman, M.D.

ASSOCIATE PROFESSORS
Loren Fast, Ph.D.
Edward Filardo, Ph.D.
Howard Safran, M.D.
Edward Wittels, M.D.

ASSISTANT PROFESSORS
Jason Aliotta, M.D.
David Berz, M.D.
Jorge Castillo, M.D.
Devasis Chatterjee, Ph.D.
Humera Khurshid, M.D.
David Mills, Ph.D.
Angela Plette, M.D.
Eric Winer, M.D.

Clinical Faculty
(Hospital and Foundation Based)

ASSOCIATE PROFESSORS
Anthony Mega, M.D.

ASSISTANT PROFESSORS
Ariel Birnbaum, M.D.
James Butera, M.D.
Maria Constantinou, M.D.
Mary Anne Fenton, M.D.
Iole Ribizzi-Akhtar, M.D.
William Sikov, M.D.
Rochelle Srenger, M.D.
Anthony Thomas, D.O.
Sabrina Witherby, M.D.

Volunteer Clinical Faculty

ASSOCIATE PROFESSORS
Nancy Freeman, M.D.

ASSISTANT PROFESSORS
Linda Hassan, M.D.
Plakyl Joseph, M.D.
Ahmed Nadeem, M.D.
Sundaresan Sambandam, M.D.

INSTRUCTORS
Anthony Testa, M.D.

SELECTED HONORS
AND SCHOLARLY WORK:

Jason Aliotta, M.D.

HONORS AND AWARDS
◆ Elected Fellow of the American College of Chest Physicians (FCCP) 2008.

INVITED PRESENTATIONS
◆ “Tissue specific gene expression of marrow cells co-cultured with various murine organs” at the American Society of Hematology (ASH) 2008 Annual Meeting in San Francisco, CA.
◆ “The lung and bone marrow: Microvesicles and their role in cellular communication” at the Experimental Biology conference 2009 in New Orleans, LA.

RESEARCH & SCHOLARLY ACTIVITIES
◆ The Warren Alpert Medical School of Brown University Pulmonary Research, Seminar Series Co-Chair, 7/05–present.

James Butera, M.D.

HONORS AND AWARDS

SCHOLARLY ACTIVITIES
◆ Journal Reviewer for Experimental Hematology
◆ University of Medicine Foundation, Board of Trustees, 2008–2009
◆ RIH Translational Research Committee, 2008–09
◆ RIH Residents Meeting Group Committee, 2008, 2009
◆ RIH Hematology/Oncology Curriculum Committee, 2008, 2009
◆ RIH Chief, Hematology Malignancy Section/Conference Director, weekly conference, 2008, 2009
◆ Tumor Board Director, Rhode Island Hospital weekly conference, 2008, 2009

Jorge Castillo, M.D.

INVITED PRESENTATIONS
◆ Non-Hodgkin’s Lymphoma, Metro West Medical Center, 2008.
◆ Hematopoietic Stem Cell Transplantation Professor Rounds, Metro West Medical Center, 2008.

SCHOLARLY ACTIVITIES
◆ Principal Investigator, Phase II trial of Ofatumumab and Bortezomib for patients with low grade B-cell lymphoproliferative disorders that relapse after Rituximab, BrUOG 2009.
Mary Ann Fenton, M.D.

**INVITED PRESENTATIONS**
- “HIV related malignancies”, Moi University Hospital, Kenya, July 2008.

Edward Filardo, Ph.D.

**INVITED PRESENTATIONS**
- Invited Speaker: “Cell biological actions promoted by the membrane estrogen receptor GPR30”, Michigan State University, Department of Physiology, East Lansing, MI, January 30, 2008.

**SCHOLARLY ACTIVITIES**
- Ad hoc reviewer for Breast Cancer Research and Treatment Cancer Research Endocrinology
- Ad hoc reviewer for J Neurochemistry
- Ad hoc reviewer for Journal of Neuroscience
- Ad hoc reviewer for Journal of Steroid Biochemistry & Molecular Biology
- Ad hoc reviewer for Nature /Cell Signaling
- Study Section for National Science Foundation.

Douglas Hixson, Ph.D.

**INVITED PRESENTATIONS**

**SCHOLARLY ACTIVITIES**
- 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.
- RIH Member, Search Committee, Cancer Center Director.
♦ RIH Interview for Search Committee, Chief of Hematology/Oncology.
♦ RIH Medical Faculty Executive Chairman.
♦ Symposium Cancer Research: The Lighthouse of Hope, 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 University affiliated Hospitals, Brown University 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.

INVITED PRESENTATION
♦ "Identification of medium and low abundant proteins in human plasma after chromatographic and electrophoretic fractionation. Monolith Summer School & Symposium, Portoroz, Slovenia, 2008.
♦ "Investigation of secretomics from human prostate cell line." The University of Texas, M.D. Anderson Cancer Center, Department of Molecular Pathology Lecture Series, Houston, TX, 2008.

SCHOLARLY ACTIVITIES
♦ Head of the Proteomics Core, COBRE Center for Cancer Research Development grant, NIH/NCRR.

Anthony Mega, M.D.

HONORS AND AWARDS
♦ The Riesman Family Excellence in Teaching Award, 2008.

INVITED PRESENTATIONS
♦ "Managing men with castrate resistant prostate cancer, Grand Rounds, Jordan Hospital, Plymouth, MA, 2008.

David Mills, Ph.D.

SCHOLARLY ACTIVITIES
♦ Member of the Lifespan Recombinant DNA Committee.

Peter J. Quesenberry, M.D.

HONORS AND AWARDS
♦ Lifetime Achievement Award from Leukemia/Lymphoma Society of America.

INVITED PRESENTATIONS
♦ "New stem cell models and transplant approaches. Eighth International Symposium, Munich, Germany.
♦ "Stem cell models: lability of stem cell and niche phenotypes. Goldsmiths College, University of London, UK.

SCHOLARLY ACTIVITIES
♦ The Leukemia/Lymphoma Society, Translational Research Program, New York City, NY.
♦ 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.

Howard Safran, M.D.

INVITED PRESENTATIONS
♦ "Targeted therapy in esophageal cancer. Plenary presentation at ASCO GI.

SCHOLARLY ACTIVITIES
♦ NCI GI Cancer Steering Committee and Esophageal and Pancreatic Task Forces.
♦ RTOG Medical Oncology GI Chair.
♦ GI Oncology Editor of Up-to-Date.
♦ Medical Oncology Chair of Phase III Adjuvant Pancreatic Cancer Trial.

Fred Schiffman, M.D.

HONORS AND AWARDS
♦ Community Partnership Award presented by The Rhode Island Department of Health (HEALTH) for providing expert consultation and assistance to the Board of Medical Licensure and Discipline in caring and referring oncology patients displaced by a physician, 2008.
♦ Appointed faculty advisor of the Gold Humanism Honor Society Chapter at The Warren Alpert Medical School of Brown University, 2008.
Selected by the Warren Alpert Medical School of Brown University Class of 2009 to deliver the Faculty Commencement address, 2009.

**INVITED PRESENTATIONS**

- “Advancing your academic agenda as a chief resident association of program directors of internal medicine” New Orleans, LA, 2008.
- Workshop leader, “Morning report”, Association of Program Directors of Internal Medicine, Dallas, TX 2009.

**SCHOLARLY ACTIVITIES**

- Visiting Professorship Baylor University, Dallas, TX. Delivered Grand Rounds and other lectures. March 2009.

**William Sikov, M.D.**

**HONORS AND AWARDS**

- Reviewer for Susan G. Komen for the Cure Foundation Promise Grants, 2008.

**INVITED PRESENTATIONS**

- Current treatment options for advanced breast cancer, Medical University of South Carolina, Hollings Cancer Center Medical Grand Rounds, Charleston, SC 2007.

**Rochelle Strenger, M.D.**

**HONORS AND AWARDS**

- First annual Adele R. Decof Rose Award for patient centered excellence.
- Co-Director of ACOS recognized, Miriam Hospital Breast Center.

**Edward Wittels, M.D.**

**HONORS AND AWARDS**

- Dean’s Teaching Excellence Award, BIOL 3570 Integrative Medical Sciences IV Hematology, Warren Alpert Medical School, Brown University, 2008.
- Dean’s teaching Excellence Award (BIOL 3672) Integrative Medical Sciences IV Hematology, Warren Alpert Medical School 2009.
- The Seventh Annual Department of Medicine Beckwith Family Award for Outstanding Teaching, Warren Alpert Medical School of Brown University, 2008.

**SCHOLARLY ACTIVITIES**

- Secretary, Board of Directors, The Miriam Independent Physicians Association.
- Finance Committee, University Medicine Foundation.
- Investment Committee, University Medicine Foundation.
- Clinical Operations Strategic Committee, University Medicine Foundation.
- Chairman, Cancer Control Committee.
- Department of Medicine Teaching Incentive Committee.
- Search Committee, Physician, Division of Hematology/Oncology, The Miriam Hospital.

**SELECTED PUBLICATIONS**

**Jason Aliotta, M.D.**

HEMATOLOGY/ONCOLOGY FELLOWSHIP PROGRAMS

Anthony Mega, M.D., Director
Angela Plette, M.D., Associate Director

Graduates 2007:

<table>
<thead>
<tr>
<th>Fellow</th>
<th>Medical School</th>
<th>Residency Program</th>
<th>Post-Fellowship Position</th>
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</thead>
<tbody>
<tr>
<td>David Benton, M.D.</td>
<td>University of CT Farmington, CT</td>
<td>Brown University/ Rhode Island Hospital Providence, RI</td>
<td>Maine Center for Cancer Medicine New Brunswick, ME</td>
</tr>
<tr>
<td>Devon Evans, M.D.</td>
<td>Jefferson Medical College Philadelphia, PA</td>
<td>Beth Israel Deaconess Medical Center Boston, MA</td>
<td>Maine Center for Cancer Medicine New Brunswick, ME</td>
</tr>
<tr>
<td>Tirrell Johnson, M.D.</td>
<td>University of Florida College Gainesville, FL</td>
<td>Orlando Regional Medical Center Orlando, FL</td>
<td>Orlando Regional Health System Orlando, FL</td>
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<tr>
<td>Neil Zakai, M.D.</td>
<td>University of Virginia Charlottesville, VA</td>
<td>University of Vermont Burlington, VT</td>
<td>University of Vermont Burlington, VT</td>
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Graduates 2008:

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</thead>
<tbody>
<tr>
<td>David Berz, M.D., Ph.D., MPH</td>
<td>Humboldt University Frankfurt, Germany</td>
<td>Yale University New Haven CT</td>
<td>Rhode Island Hospital Providence, RI</td>
</tr>
<tr>
<td>Jorge Castillo, M.D.</td>
<td>Universidad Autonoma Metropolitana Mexico City, Mexico</td>
<td>Metro West Medical Center Framingham, MA</td>
<td>The Miriam Hospital Providence, RI</td>
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<tr>
<td>Ellen Chirichella, M.D.</td>
<td>Jefferson Medical College Philadelphia, PA</td>
<td>Brown University/Rhode Island Hospital</td>
<td>The Doctors Clinic Bremerton, WA</td>
</tr>
<tr>
<td>Hannah Hebert, D.O.</td>
<td>University of New England College of Osteopathic Biddeford, ME</td>
<td>Roger Williams Medical Center Providence, RI</td>
<td>UMASS Memorial Medical Center Worcester, MA</td>
</tr>
<tr>
<td>Michael McKenna, M.D.</td>
<td>UM.D.NJ – New Jersey Medical School Newark, NJ</td>
<td>Brown University/Rhode Island Hospital Providence, RI</td>
<td>Pennisula Cancer Institute Riverside Regional Medical Center Newport News, VA</td>
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Graduates 2009:

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<th>Post-Fellowship Position</th>
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</thead>
<tbody>
<tr>
<td>Meredith Faggen, M.D.</td>
<td>Tulane University New Orleans, LA</td>
<td>Yale University New Haven, CT</td>
<td>Harbor Medical Associates South Weymouth, MA</td>
</tr>
<tr>
<td>Brendan McNulty, M.D.</td>
<td>University of Massachusetts Worcester, MA</td>
<td>Beth Israel Deaconess Medical Center Boston, MA</td>
<td>Milford Regional Medical Center Milford, MA</td>
</tr>
<tr>
<td>Angela Plette, M.D.</td>
<td>University of Massachusetts Worcester, MA</td>
<td>Brown University/Rhode Island Hospital Providence, RI</td>
<td>Brown University/Rhode Island Hospital Providence, RI</td>
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<tr>
<td>Elliott J. Anderson, M.D.</td>
<td>Albany Medical College Albany, NY</td>
<td>Brown University/Rhode Island Hospital Providence, RI</td>
<td>Hawthorne Medical Associates Dartmouth, MA</td>
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<tr>
<td>Lisa Manera, M.D.</td>
<td>Tufts University Boston, MA</td>
<td>Caritas St. Elizabeth’s Medical Center Boston, MA</td>
<td>Harbor Medical Associates South Weymouth, MA</td>
</tr>
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</table>
James Butera, M.D.

Jorge Castillo, M.D.

Devasis Chatterjee, Ph.D.

Gerald Colvin, D.O.

Maria Constantinou, M.D.

Loren D. Fast, Ph.D.

Edward J. Filardo, Ph.D.

Anthony Mega, M.D.

David R. Mills, Ph.D.

Peter J. Quesenberry, M.D.
**HEMATOLOGY / ONCOLOGY**

**Howard Safran, M.D.**

**William M. Sikov, M.D.**

<table>
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<tr>
<th>RESEARCH</th>
<th>Direct</th>
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<td><strong>CLINICAL RESEARCH</strong></td>
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<td>Academic Year 2008</td>
<td>$1,216,932</td>
<td>$151,119</td>
<td>$1,368,051</td>
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<td>Academic Year 2009</td>
<td>$918,530</td>
<td>$73,013</td>
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</table>

**SELECTED BASIC RESEARCH**

**Jason Aliotta, M.D.**
- Injured Lung and its Influence on Bone Marrow Cell Phenotype, National Heart, Lung, and Blood Institute

**Devasis Chatterjee, Ph.D.**
- Inhibition of STAT3 Signaling by RKIP in Breast Cancer, Department of Defense
- Evaluation of RKIP as an anti-Oncogene in Breast Cancer, Department of Defense
- Characterization of RKIP Expression in Human Cancers, National Center for Research Resources

**Gerald Colvin, D.O.**
- Stem/Progenitor Cell Inversions With Cell Cycle Transit, National Institute for Diabetes and Digestive and Kidney Diseases

**Edward Filardo, Ph.D.**
- Study of GRP30: A Novel Estrogen Receptor Linked to Breast Cancer, National Cancer Institute
- Assessment of GPR30, A Seven-Transmembrane-Spanning Estrogen Receptor, as an Oncogene, Department of Defense

**Douglas Hixon, Ph.D.**
- COBRE Center for Cancer Research Development, National Center for Research Resources
- Cellular Origins of Liver Cancer, National Cancer Institute

**SELECTED CLINICAL RESEARCH**

**Howard Safran, M.D.**
- Radiation Therapy Oncology Group

**William Sikov, M.D.**
- Cancer and Leukemia Group B (CALGB), University of Chicago/CALGB Foundation

**Howard Safran, M.D.**

**William M. Sikov, M.D.**
HOSPITALIST PROGRAM
RHODE ISLAND HOSPITAL
OVERVIEW

Rhode Island’s first inpatient group inaugurated on August 7, 1996. This was a groundbreaking 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 discharges. In September 2003 another milestone was achieved and the Division of Hospital 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. In 2008 the IMIS unit was moved to the new Bridge Building and a second unit was added to help with geographic localization of the inpatients. 2009 saw further changes to the program resulting in an increase in staffing to 25 M.D.s with a plan in 2010 to increase to 30 M.D.s.

The Division of Hospital 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 Unassigned Admitting Service – responsible for triaging appropriate unassigned and clinic patients to the Teaching Service.

The Division of Hospital Medicine currently employs the equivalent of twenty-seven full-time University Medicine Foundation physicians as well as four nurse practitioners.
practitioners. Physicians are expected to 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

Clinical Faculty
(Hospital and Foundation Based)

INSTRUCTORS
Sajeev Handa, M.D., SFHM, Director
Kim A. Basu, M.D.
Vikram Behera, M.D.
Adriana Hosu, M.D.
Jaqueline Michaud, D.O.
Lina R. Nemchenok, M.D.
Joel T. Park, M.D.
Ewa Piszczek, M.D.
Fadi Samaan, M.D.

SELECTED HONORS
AND SCHOLARLY WORK

Kim A. Basu M.D.
♦ Member, Society of Hospital Medicine
♦ Member, Massachusetts Medical Society

Sajeev Handa, M.D., SFHM
♦ Charter Member, Society of Hospital Medicine
♦ Senior Fellow in Hospital Medicine
♦ Member, Infectious Diseases Society of America
♦ Reviewer, Journal of Acquired Immune Deficiency Syndrome
♦ Reviewer, Journal of Hospital Medicine

Jacqueline Michaud, D.O.
♦ 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

Joel T. Park, M.D.
♦ Member, American College of Physicians
♦ Member, American College of Pediatricians

Ewa Piszczek, 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.
The hospitalist program at The Miriam Hospital (TMH) was started in August, 1997. The initial goals were to assume the care of cardiac patients with a myriad of medical problems, and to train Nurse Practitioners to assist cardiologists with the care of their patients.

A significant transition occurred in 1999, as many PCPs voluntarily relinquished their hospital admitting privileges in order for them to concentrate on outpatient medicine.

The increasing reports about the efficient and quality care hospitalists provide served as an impetus for the exponential growth of the program as many PCPs turned over inpatient care of their patients to hospitalists.

The increasing role of hospitalists in medical education resulted in another milestone for the program at TMH in 2007 when a reorganization of schedules was made to enable TMH hospitalists to function as ward attending physicians for all the resident teams.

The group presently comprises 16 M.D.s and 4 Allied Healthcare Providers (3 Nurse Practitioners and a Physician Assistant). All the Allied healthcare providers work under the direct supervision of the Division Director and other physicians in the group.

MISSION STATEMENT

To provide the highest quality of Inpatient service to all patients and utilizing prompt, and appropriate consultative and support services.

Core values: Quality, Integrity, Team Work, Compassion, and Professional Competence.

The basic tenets of the TMH hospitalist group are:

1. Patient care/safety
2. Quality of Medical care
3. Cost savings / revenue generation.
4. Academic mission (resident education and research).

The academic mission of hospitals and academic medical centers cannot be met if operational expenses can not be met. We therefore emphasize operational efficiency to maintain our academic mission.

1. Teaching service
2. Non-teaching service
3. Consult service
4. Night Physician program

1. The teaching service is the bedrock of the academic focus of the group. The assigned attending physicians’ call schedules match those of their resident teams for the specified period. Attending physicians provide didactic sessions, admit and lead their teams in the management of their patients. Patient care as with the aviation industry has 2 major error-prone areas: Admissions (take-off) and discharges (landing).
The supervisory role of hospitalists assigned to the teaching teams places great emphasis on these error-prone areas.

Additional academic activities the group is involved with include the preceptorship program and case book discussions for medical students of the Warren Alpert Medical School of Brown University.

2. Non-teaching service M.D.s assigned to this service review the orders on the overnight non-teaching patients, round and develop daily care plans on their assigned patients. They also admit patients to the non-teaching service between the hours of 7AM and 9PM. The M.D.s assigned to receive pages regarding admissions are responsible for making decisions regarding which patients end up on the teaching service.

In 2009 a Geriatric fellows' rotation in Hospital medicine at TMH was started. The duration of this rotation has been extended from 2 to 4 weeks at the request of the fellows. This program serves the dual purpose of enriching the hospitalist non-teaching service and also provides inpatient geriatric education for the fellows.

3. The consult service provides an opportunity for the co-management of patients with medical urgencies or emergencies who are on the service of subspecialists. The guidelines for this service have been well received especially by the Orthopedists and General and Colo-rectal surgeons.

4. The Night Attending Physicians admit all Non-Teaching Medical patients between the hours of 8PM and 8AM. The hospitalists provide a courtesy service to all the physicians with admitting privileges during these hours by admitting and caring for their patients and providing coverage for all in-house patient care issues.

Lifespan’s adoption of the results of a quality and patient safety project by members of a team in the first cohort of Lifespan/Bryant MBA students has led to a new modality for tracking CT radiation exposure in Lifelinks. This is the second major quality initiative by TMH hospitalists which has received wide acclamation. The first one received the RI BCBS quality award in 2005.

The excellent teaching skills of TMH hospitalists have been recognized by the medical residents. Drs GentileSCO and Dapaah-Afriyie were given Department of Medicine Teaching Attending awards in 2008 and 2009 respectively.

The Allied Health Providers continue to perform very well in the midst of increasing complexity of inpatient medicine. The Coordinator of these providers, Carol Pearson-Riel was named TMH Employee for the month of November in 2009.

Due to the ACGME –mandated changes in resident work hours, the increasing acuity of hospitalized patients and new CMS initiatives, additional hospitalists are being hired in order to maintain the academic focus of the group without sacrificing efficiency.

The general guidelines for the hospitalist group.

Ext. 1.

i. H & Ps should be dictated and signed with copies to PCPs within 48 hours of admission.

ii. COC forms should reflect correct diagnosis, medications, pertinent test results and names of consultants for follow-up care. These have to be faxed to PCPs on the day of discharge.

iii. Discharge summaries should be dictated on the day of discharge with copies to PCPs and signed as per current medical staff by-laws.

iv. Lab data reviews: Printed laboratory data should be reviewed at least weekly. The pertinent ones should be given to the administrative secretaries to be faxed to the PCPs of the patients.

v. Calls from the lab about results on patients who already have been discharged should be forwarded to the M.D. who discharged the patient, Medical Director or the Associate for the appropriate follow-up calls to be made.

FACULTY MEMBERS

Clinical Faculty
(Hospital and Foundation Based)

ASSISTANT PROFESSORS
Shadaba Asad, M.D.
Papa Badoc, M.D.
Bradley Collins, M.D.
Kwame Dapaah-Afriyie, M.D., MBA
Bethany GentileSCO, M.D.
David Katz, M.D.
Deepak Thiagarajan, M.D.
SELECTED HONORS AND SCHOLARLY WORK

Shadaba Asad, M.D.
- Member, American College of Physicians.

Bradley Collins, M.D.
- Member, American College of Physicians
- Member, American Medical Association

Kwame Dapaah-Afriyie, M.D.
- Fellow of American College of Physicians
- Fellow of Society of Hospital Medicine
- Member of BetaGamma Sigma Society

Bethany Gentilesco, M.D.
- Member, American College of Physicians
- Member, Society of Hospital Medicine

David Katz, M.D.
- Member, American Medical Association
- Member, Infectious Disease Society of America
- Member, American Medical Association

Deepak Thiagarajan, M.D.
- Member, American Medical Association
- Member, American College of Physicians
- Member, American Geriatric Society

SELECTED PUBLICATIONS

Shadaba Asad, M.D.
- Asad S, Neill M, Opal S; Cytomegalovirus Pneumonitis in a patient with Advanced AIDS; Online publication Cohen and Powderly, Text Book of Infectious Diseases; November 2004.

Kwame Dapaah-Afriyie, M.D.

Bethany Gentilesco, M.D.

David Katz, M.D.
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, based at The Miriam Hospital under 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 AIDS International Training and Research 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, under the leadership of Dr. Karen Tashima, 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. Under the leadership of Dr. Susan Cu-Uvin and Dr. Erna Milunka Kojic, 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 Island. The Center also established reproductive health services for HIV infected serodiscordant couples in collaboration with Women and Infants Hospital. The HIV/Hepatitis C co-infection program directed by Dr. Lynn Taylor has piloted innovative methods to treat co-infection among substance users.

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. Josiah 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. He has been recently funded through the NIH to evaluate improved substance abuse treatment and opiate replacement therapies in prison. Dr. Curt Beckwith has spearheaded rapid HIV testing
and improved prevention in jail. A NIH funded T32 training grant supports faculty and fellows who focus on infectious diseases among communities that suffer disproportionately from addiction. Dr. Michelle Lally has been funded through the Department of Defense and the NIH to further her vaccine research and better understand the genetics of HIV susceptibility.

The Center for Biodefense and Emerging Pathogens at Memorial Hospital directed by Dr. Andrew 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 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 D.O.H for bioterrorism concerns. Dr. Marguerite Neill chairs the Bioterrorism Work Group 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 website 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. Dr. Azewura Kwara has received NIH funding to evaluate the pharmacokinetics of TB treatment combined with HIV treatment both in the US and Ghana.

Members of the Division of Infectious Diseases have had national prominence in the field of hospital epidemiology and infection control. Dr. Leonard Mermel was elected 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’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 Department of Epidemiology & Infection Control. Dr. John Lonks, whose research focus is on resistant pneumococcus, directs the Department of Epidemiology and Infection Control at The 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 Dr. Staci A. Fischer. 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, has established the Ocean State Clinical Coordinating Center (OSCCC) at Rhode Island Hospital. Dr. Steven P. LaRosa serves as the Director of the OSCCC and Dr. Steven Opal, 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 Mayer has recently received multiple awards for his outstanding work in the area of HIV prevention. He was honored by the American Foundation for AIDS Research to receive its yearly award for leadership in the area of HIV clinical research. 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. 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 of 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/NAID, 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 Kenya (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. Dr. Joseph I. Harwell, 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. Dr. Susan Cu-Uvin has been asked to lead the emerging program in Global Health at Brown University. A new faculty member, Dr. Rami Kantor, has been recruited to investigate HIV resistance among non-clade B virus in Asia and Africa.

Dr. Susan Cu-Uvin has recently been appointed as the Director of the Brown Initiative in Global Health. This initiative coordinates global health activities across the campus and hospitals.
**Volunteer Clinical Faculty**

**ASSOCIATE PROFESSORS**
Scott A. Allen, M.D.
Glenn Fort, M.D.

**ASSISTANT PROFESSORS**
Jeffrey Bratberg, Pharm.D.

**INSTRUCTORS**
Rinchen-Tzo Emgushov, M.D.
Husam Issa, M.D.
Eleni Patrozou, M.D.

**SELECTED HONORS AND SCHOLARLY WORK**

**Tanya Ali, M.D.**

**INVITED PRESENTATIONS**
- Community Acquired Pneumonia - Department of Microbiology and Pediatrics, BSM Medical University, Dhaka, Bangladesh, November 2006.

**Scott A. Allen, M.D.**

**INVITED PRESENTATIONS**
- "U.S. Health Professionals and Torture." Presentation at the Institute of Medicine Annual meeting, October, 2009.

**SCHOLARLY ACTIVITIES**

**Andrew W. Artenstein, M.D.**

**HONORS AND AWARDS**
- Editorial Advisory Board, Journal of Infectious Diseases.

**SCHOLARLY ACTIVITIES**
- 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, 2003–present.
- Chairman, Data Safety Monitoring Board, Juvaris BioTherapeutics Inc, H-100-001 – "Randomized, double blind, controlled Phase 1 trial of the safety, tolerability and immunogenicity of JVRS-100 adjuvant at ascending dose levels administered with Fluzone" inactivated trivalent influenza virus vaccine", Pleasanton, CA, 2007
- Special Emphasis Panel, National Institute of Allergy & Infectious Diseases, National Institutes of Health, RFA-08-001 – “Cooperative Research Partnerships for Biodefense and Emerging Infectious Diseases (U01)”, Bethesda, M.D., 2008

**Curt G. Beckwith, M.D.**

**HONORS AND AWARDS**

**INVITED PRESENTATIONS**

Scholarly Activities
- Review Committee member, National Institute on Drug Abuse, RFA DA08-021 Screening, Brief Intervention and Referral to Treatment (SBIRT) for Drug Abuse in General Medical Settings (RO1); July, 2008.
- Review Committee member, Special Emphasis Panel of the Centers for Disease Control and Prevention, National Center for HIV, STD, and TB Prevention; RFA PS09-004 Screening Targeted Populations to Interrupt On-going Chains of Transmission with Enhanced Partner notification-The STOP Study; and RFA PS09-005 Demonstration Project of Elective Adult Male Circumcision Conducted in Sexually Transmitted Diseases Clinics in the United States; April, 2009.

Jeffrey Bratberg, Pharm.D.
Honors and Awards
- ACCP New Educator Award (National), April 2009.

Invited Presentations

Scholarly Activities
- Pharmacy Leadership Society (PLS), Feb 2008–present.

Charles C.J. Carpenter, M.D.
Honors and Awards
- Robert H. Williams, M.D., Distinguished Chair of Medicine Award, Association of Professors of Medicine, 2007.

Invited Presentations
- James Marsh Professor-at-Large, University of Vermont, 2007–2008.

Scholarly Activities
- Member, DHHS, NIH, Office of AIDS Research, Microbicides Research Working Group (MRWG), 2008–2009
- Chairman, Treatment Subcommittee, Committee for the Evaluation of the President’s Emergency Fund for AIDS Relief (PEPFAR), 2005–2008

E. Jane Carter, M.D.
Honors and Awards

Scholarly Activities
- Liaison Member, Advisory Committee for the Elimination of Tuberculosis, CDC, 2006–2007
- Board Member, World Lung Foundation, 2005–present.
- Advisory Committee Member (Tuberculosis) - Millennium Village Project, 2006–present.
Susan Cu-Uvin, M.D.

HONORS AND AWARDS
- Member, Institute of Medicine, National Academy of Sciences, Committee on Women’s Health Research, 2008.

SCHOLARLY ACTIVITIES
- Chair, NIH Advisory Committee: HIV-Related Research in Women and Girls, 2008.

Staci A. Fischer, M.D.

HONORS AND AWARDS
- Finalist, 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, 2007.

INVITED PRESENTATIONS

SCHOLARLY ACTIVITIES
- Member, American Federation for Clinical Research, 2007–present.
- Member, American Clinical and Climatological Society, 2007–present.

Glenn Fort, M.D.

INVITED PRESENTATIONS

SCHOLARLY ACTIVITIES
- Relevance reviewer for the Subspecialty Board in Infectious Diseases of the American Board of Internal Medicine 2001–Present.

Melissa M. Gaitanis, M.D.

SCHOLARLY ACTIVITIES
- Member, American Medical Association
- Member, Infectious Diseases Society of America
- Member, HIVMA
Fizza S. Gillani, Ph.D.

Honors and Awards

- Doctoral Thesis External Examiner to evaluate Ph.D. dissertations completed by the Ph.D. students of Pakistan Institute of Development Economics, Islamabad, Pakistan. 2007–present

Scholarly Activities


Stephen H. Gregory, Ph.D.

Invited Presentations

- Kupffer cells regulate inflammation and host defenses to systemic bacterial infections. Division of GI/Liver Diseases, Mount Sinai School of Medicine, New York, NY Jan. 29, 2008.

Scholarly Activities

- Panel Member, NIH Vaccine study Section ZRG1 IMM-G 12B
- Panel Member, NIH Special Emphasis Panel ZRG1 Imm F02 M
- NIAID Special Study Section – Unsolicited PO3 application “Tularemia Immunology
- Ad Hoc Reviewer – Journal of Immunology, Cellular Immunology, Infection and Immunity, Journal of Leukocyte Biology, Immunity, Journal of Infectious Diseases and Hepatology

Joseph I. Harwell, M.D.

Honors and Awards

- Elected to Fellowship, Infectious Diseases Society of America, 2007.

Invited Presentations

- “HIV and Hepatitis Co-Infection.” Annual Continuing Medical Education Symposium. Sihanouk Hospital Center of HOPE, Phnom Penh, Cambodia, October 6–10, 2008.
- Semi-annual pediatric HIV care providers’ network meeting, National Pediatric Hospital, Phnom Penh, Cambodia, March 23–27, 2009.
- “Plasma (PVL) and genital tract (GTVL) viral load changes in Cambodian women during 18 months of ART” at International Congress on AIDS in Asia and the Pacific, Bali, Indonesia, August 12, 2009.

Hussam Issa, M.D.

Scholarly Activities

- Member – Scientific Advisory Board, China National Center for AIDS.
- Member – Faculty Executive Committee, Brown/Tufts Fogarty AIDS International Training and Research Program.

Rami Kantor, M.D.

Invited Presentations

- Session Chair and Presenter: Epidemiology and principles of HIV drug resistance. Chennai HIV antiretroviral treatment symposium (CART 2009); January 9–10, 2009; Chennai, India.

Erna Milunka Kojic, M.D.

Invited Presentations

Women with HIV infection. Presented at Oak Tree Clinic, British Columbia Women’s Hospital, Vancouver, British Columbia. December 3, 2007.


HP and HIV. Presented at the 5th Annual Women and HIV International Clinical Conference (WHICC), Dallas, Texas. April 29, 2008.

Scholarly Activities

- Protocol Chair: ACTG 5240 A Phase II Study to Evaluate the Immunogenicity and Safety of a Quadrivalent Human Papilloma Virus in HIV Infected Females, 2007–present.
- Co-Chair SUN Committee, 2007–present.

Awewura Kwara, M.D.

Scholarly Activities

- Reviewer for Canadian Institutes of Health Research, Canada, 2007–present.
- Peer Reviewer for Center for Scientific Review (NIH) - Special Emphasis Panel for AITRP and ICOHRTA AIDS/TB programs, 2008.

Michelle A. Lally, M.D.

Invited Presentations


Steven P. Larosa, M.D.

Invited Presentation

- “Purpura Fulminans,” Grand Rounds: Cleveland Clinic Foundation, Division of Infectious Diseases/ Vascular Medicine, Cleveland, OH, April 11, 2007.

John R. Lonks, M.D.

Scholarly Activities

- 3M Healthcare grant: Quantitation of methicillin-resistant Staphylococcus aureus (MRSA) colony forming units (CFU’s) in subjects testing positive for MRSA, 2007.

Kenneth H. Mayer, M.D.

Honors and Awards

- Fellow, Infectious Diseases Society of America, 2007.
- HIV Medicine Association Citation, 2007.

Invited Presentations

Leonard A. Mermel, D.O.

INVITED PRESENTATIONS
- Course Co-Director Society for Healthcare Epidemiology of America/Infectious Diseases Society of America, Annual Infection Control Fellow’s Course, Baltimore, M.D., 2009.

Maria D. Mileno, M.D.

HONORS AND AWARDS
- Appointed Global Health Advisor for Americare Corporation, June 2007–present.

Jennifer A. Mitty, M.D.

INVITED PRESENTATION

Michael C. Newstein, M.D., Ph.D.

INVITED PRESENTATION
- “HIV Update 2009” at Milford Regional Medical Center, Universality of Massachusetts Medical School Milford MA

Amy Nunn, Sc.D.

INVITED PRESENTATIONS
- Guest Lecturer, The Politics, History and Cost of AIDS Treatment in Brazil. University of Toronto Leslie Dan Faculty of Pharmacy, September 19, 2008.

Steven M. Opal, M.D.

INVITED PRESENTATION

SCHOLARLY ACTIVITIES
- Reviewer for Public Library of Science Medicine, 2008–present.
- Reviewer for Public Library of Science ONE, 2008–present.
- Reviewer for AIDS Care, 2007–present.


Eleni Patrozou, M.D.

**HONORS AND AWARDS**

- Member, European Society of Clinical Microbiology and Infectious Diseases, 2008–present.
- Member, Infectious Diseases Society of America, 2006–present.

**INVITED PRESENTATIONS**


**SCHOLARLY ACTIVITIES**

- Principal Investigator, European funded program "PROMOVAX: promote vaccinations among migrant populations in Europe"October 2009–October 2012, 10 different EU countries, WHO and Brown are collaborating in this project.

Aurora Pop-Vicas, M.D.

**SCHOLARLY ACTIVITIES**

- Rhode Island Medical Foundation Grant # 20080311 Role: principal investigator Project: The clinical and molecular epidemiology of *Clostridium difficile* in a long-term care facility. Period of funding: 2/15/08–2/15/09. Support for period of funding: $10,000.

Bharat Ramratnam, M.D.

**INVITED PRESENTATIONS**


**SCHOLARLY ACTIVITIES**

- NIH ADDT study section, 2007.

Josiah D. Rich, M.D.

**HONORS AND AWARDS**

- Delegate, Massachusetts Medical Society (MMS), House of Delegates (HOD), 2009–2010.

**INVITED PRESENTATIONS**


**SCHOLARLY ACTIVITIES**

- National Institutes of Health, AIDS Fellowship Reviewer, Center for Scientific Review, 2007
- NIH Peer Reviewer, AIDS Fellowship Meeting, 2008.
- Editorial Board Member, Virulence Journal, 2009.
- NIDA (X02) Application Reviewer, NIDA Director’s Avant-Garde Award, 2009.

Karen T. Tashima, M.D.

**INVITED PRESENTATIONS**

- “HIV Update” 2008 CME Lecture at Saint Anne’s Hospital, Fall River, MA May 21, 2008.
“Positive Paths: A Motivational Intervention for Smoking Cessation Among HIV Smokers” Oral Presentation Conference on Retroviruses and Opportunistic Infections (CROI), Montreal, Canada February 8–11, 2009.

Scholarly Activities
- Reviewer for the Brown University/Women & Infants Hospital National Center of Excellence in Women’s Health (CoE) Innovations in Women’s Health Research Seed Grant Program, 2007.

Invited Presentations

Scholarly Activities
- Manuscript Reviewer, Clinical Infectious Diseases, 2008.
- Manuscript Reviewer, Center for Substance Abuse Treatment (CSAT) Knowledge Application Program, Treatment Improvement Protocol (TIP): Addressing Viral Hepatitis in People with Substance Use Disorders, 2009.
- Electronic Grant Reviewer, National Institute on Drug Abuse “Cutting Edge Basic Research Award Program” (CEBRA), 2007.

Selected Publications

Scott Allen, M.D.

Andrew W. Artenstein, M.D.

Curt G. Beckwith, M.D.

Jeffrey Bratberg, Pharm.D.

Charles C.J. Carpenter, M.D.

E. Jane Carter, M.D.


Susan Cu-Uvin, M.D.


Staci A. Fischer, M.D.

Fischer SA. Emerging viruses in transplantation: There is more to infection after transplant than CMV and EBV. *Transplantation* 2008; 86:1327–39.


Timothy P. Flanigan


Fizza S. Gillani, M.D.


Zaller N, Gillani FS, Rich JD. A model of integrated primary care for HIV positive patients with underlying substance use and mental illness, CAIC. *AIDS Care* 2007; 19(9), 1128–33.

Stephen Gregory, M.D.


Joseph I. Harwell, M.D.


Rami Kantor, M.D.


# INFECTIOUS DISEASES FELLOWS AND RESIDENTS

Karen T. Tashima, M.D., Program Director  
Curt G. Beckwith, M.D., Associate Program Director

## Departing Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School</th>
<th>Residency</th>
<th>Career Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omega Edwards, M.D.</td>
<td>SUNY Downstate College of Medicine</td>
<td>Norwalk Medical Center</td>
<td>ID Attending Norwalk Medical</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Center, Oxnard, CA</td>
</tr>
<tr>
<td>Eleni Patrozou, M.D.</td>
<td>University of Athens</td>
<td>Brown Medical School</td>
<td>Clinical Instructor, Miriam Hospital</td>
</tr>
</tbody>
</table>

## Departing NIH T32 Sponsored Research Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School</th>
<th>Residency</th>
<th>Career Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nanetta Payne, M.D., Ph.D.</td>
<td>Jackson State University</td>
<td>Brown University</td>
<td>Assistant Professor, JSU</td>
</tr>
<tr>
<td>ChiaChing Jackie Wang, M.D.</td>
<td>SUNY School of Medicine</td>
<td>Women and Infants</td>
<td>Internal Medicine Residency, RIH</td>
</tr>
<tr>
<td>Kimberly Zeller, M.D.</td>
<td>University of Texas Southwestern Medical School</td>
<td>Natividad Medical Center</td>
<td>Assistant Professor, Brown (Memorial Hospital of RI)</td>
</tr>
</tbody>
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## Current Fellows:

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School</th>
<th>Residency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nicole Alexander, M.D.</td>
<td>Upstate Medical University at Stonybrook</td>
<td>Harvard Medical School</td>
</tr>
<tr>
<td>Eirini Christaki, M.D.</td>
<td>University of Thessaloniki</td>
<td>Albert Einstein College of Medicine</td>
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<tr>
<td>Omega Edwards, M.D.</td>
<td>SUNY Downstate College of Medicine</td>
<td>Norwalk Medical Center</td>
</tr>
<tr>
<td>Eleni Patrozou, M.D.</td>
<td>University of Athens</td>
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## Current NIH T32 Sponsored Research Fellows

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<thead>
<tr>
<th>Name</th>
<th>Medical School</th>
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</tr>
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<tbody>
<tr>
<td>Carolina Abuelo, M.D.</td>
<td>Duke University School of Medicine</td>
<td>Harvard Medical School</td>
</tr>
<tr>
<td>Brian Montague, D.O.</td>
<td>University of North Texas</td>
<td>Yale University</td>
</tr>
<tr>
<td>Ank Nijhawan, M.D.</td>
<td>University of Texas Southwestern Medical School</td>
<td>University of Texas Southwestern Medical School</td>
</tr>
<tr>
<td>Amy Nunn, MSc</td>
<td>Harvard School of Public Health</td>
<td>NA</td>
</tr>
<tr>
<td>Megan Pinkston, Ph.D.</td>
<td>University of Missouri</td>
<td>N/A</td>
</tr>
<tr>
<td>Aadia Rana, M.D.</td>
<td>University of Alabama Medical School</td>
<td>Case Western Reserve University</td>
</tr>
</tbody>
</table>
Erna Milunka Kojic, M.D.

Awewura Kwara, M.D.

Michelle A. Lally, M.D.

Jerome M. Larkin, M.D.

Steven P. Larosa, M.D.

Kenneth H. Mayer, M.D.

Leonard A. Mermel, D.O.

Maria D. Mileno, M.D.

Jennifer A. Mitty, M.D.
Marguerite A. Neill, M.D.


Amy Nunn, ScD.


Steven M. Opal, M.D.


Eleni Patrozou, M.D.


Aurora Pop-Vicas, M.D.


Josiah D. Rich, M.D.


Lynn E. Taylor, M.D.


Nickolas Zaller, M.D.

SELECTED BASIC RESEARCH

Stephen H. Gregory, Ph.D.
- Neutrophil-macrophage interactions govern liver immunity, National Institute of Diabetes and Digestive and Kidney Diseases
- Francisella Tularensis: Innate resistance to inhalation, National Institute of Allergy and Infectious Diseases
- Tulerimia Vaccine, Epivax/National Institute of Allergy and Infectious Diseases
- Anti Core Vaccine for Tulerimia, Harvard/National Institute of Allergy and Infectious Diseases
- Dendritic cell-based vaccination against Hepatitis C, URI/National Institute of Allergy and Infectious Diseases
- Multi-intracellular pathogen epitope based vaccine, URI/National Institute of Allergy and Infectious Diseases

Bharat Ramratnam, M.D.
- COBRE: New Stem Cell Biology, Roger Williams Hospital/National Center for Research Resources
- Creation and testing of the advanced system for lentivector medicated transduction of hematopoietic stem cells and expression of ant HIV-1 shRNAs, US Civilian Research and Development Foundation
- Transient gene therapy for inflammatory bowel disease, Eli and Edythe Broad Foundation
- Novel HIV-1 microbicides, National Institute of Allergy and Infectious Diseases
- Lab secreting CVn as a microbicide, University of Pittsburgh/National Institute of Allergy and Infectious Diseases
- Overcoming HIV-1 resistance to RNA interference, National Institute of Allergy and Infectious Diseases

SELECTED CLINICAL RESEARCH

Andrew W. Artenstein, M.D.
- Center for Biodefense and Emerging Pathogens, Centers for Disease Control and Prevention

Curt G. Beckwith, M.D.
- Comprehensive HIV testing strategies for jails, National Institute of Drug Abuse
- Lifespan/Tufts/Brown Center for AIDS Research (CFAR) Developmental grant, National Institute of Allergy and Infectious Diseases
- MAP’s Targeted HIV Outreach Program: Project Faith and Sara’s Light, MAP Alcohol/Drug Rehab Services/Centers for Disease Control

Charles C.J. Carpenter, M.D.
- The Study to Understand the Natural History of HIV/AIDS in the Era of Effective Antiretroviral Therapy (SUN), Centers for Disease Control and Prevention

E. Jane Carter, M.D.
- Presidential Expansion Project for AIDS Relief, Indiana University/US Agency for International Development
- HIV/AIDS Prevention, Kericho Kenya, Henry Jackson Foundation

Susan Cu-Uvin, M.D.
- Antiviral Therapy and HIV in the Genital Tract of Women (ROI), National Institute of Allergy and Infectious Diseases
- Antiviral Therapy and HIV in the Genital tract of Women (ROIs), Minority supplement, National Institute of Allergy and Infectious Diseases

<table>
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<tr>
<th>RESEARCH</th>
<th>Academic Year 2008</th>
<th>Direct</th>
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<td>BASIC RESEARCH</td>
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<td>Academic Year 2009</td>
<td>$1,967,673</td>
<td>$413,061</td>
<td>$2,380,734</td>
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<td>CLINICAL RESEARCH</td>
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<td>$9,056,053</td>
<td>$1,376,627</td>
<td>$10,432,680</td>
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<td></td>
<td>Academic Year 2009</td>
<td>$8,820,045</td>
<td>$1,343,647</td>
<td>$10,163,692</td>
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</table>
Antiviral Therapy and HIV in the Genital Tract of Women (RO1), K24, National Institute of Allergy and Infectious Diseases
Lifespan/Tufts/Brown Center for AIDS Research (CFAR), HIV and Women's Core, National Institute of Allergy and Infectious Diseases.
Interdisciplinary Framework in Global Health at Brown University, Fogarty International Center

Timothy P. Flanigan, M.D.
Directly observed therapy (D.O.T) for TB and HIV in Kenya, Fogarty International Center
Neurocognitive Consequences of HIV/AIDS in south India, National Institute of Mental Health
HIV and Other Infectious Consequences of Substance Abuse, National Institute on Drug Abuse
HIV and Other Infectious Consequences of Substance Abuse – Correctional Supplement, National Institute on Drug Abuse
The Brown Initiative in HIV and AIDS Clinical Research for Minority Communities, National Institute of Mental Health
Center for Drug Abuse and AIDS Research, Drug User Resources Core, Tufts/ National Institute on Drug Abuse
Cognitive Performance and Diffusivity in HIV Patients, Brigham and Women's Hospital/ National Institute of Mental Health
Services for HIV+ Rhode Islanders, Thundermist Health Clinic/Health Resources and Services Administration
An Evaluation of Innovative Methods for Integrating Buprenorphine Opioid Abuse Treatment in HIV Primary Care Settings, Health Resources and Services Administration – Special Project of National Significance
Enhancing Linkage to HIV Primary Care and Services in Jail Settings, Health Resources and Services Administration – Special Project of National Significance
Enhancing Linkage to HIV Primary Care and Services in Jail Settings - Supplemental Funding, Health Resources and Services Administration, Special Project of National Significance
Planning Grant for the Brown Institute for Clinical and Translational Science, National Center for Research Resources

Joseph I. Harwell, M.D.
Genital Tract HIV Shedding in Cambodian Women, Fogarty International Center

Leah Holmes, LICSW
Outreach and Medical Care for HIV+ Offenders, Health Resources and Services Administration – Special Project of National Significance
Outreach and Intensive Care Management for HIV+ Ex-offenders, RI Department of Health/ Health Resources and Services Administration

Rami Kantor, M.D.
HIV Diversity and Drug Resistance in Western Kenya, Rhode Island Foundation
Lifespan/Tufts/Brown Center for AIDS Research (CFAR) – Developmental Grant, National Institute of Allergy and Infectious Diseases
HIV-1 Drug Resistance in Different Subtypes, National Institute of Allergy and Infectious Diseases
Kantor, Rami, HIV in Kenya Crisis, Friendship Foundation

Awewura Kwara, M.D.
Concurrent HAART and Tuberculosis Treatment: Drug To Drug Interactions, National Institute of Allergy and Infectious Diseases
Lifespan/Tufts/Brown Center for AIDS Research (CFAR) – Developmental Grant, National Institute of Allergy and Infectious Diseases
Epidemiological Aspects of Tuberculosis in Rhode Island, Rhode Island Foundation

Michelle A. Lally, M.D.
Vaccine Trials Network, Harvard/National Institute of Allergy and Infectious Diseases
Nucleic Acid Assays for Diagnosis of HIV Infection Anticipation of an HIV Vaccine, Henry Jackson Foundation
Leadership Group for a Global HIV Vaccine Clinical Trials Network, Fred Hutchinson Cancer Research Center/ National Institute of Allergy and Infectious Diseases
Adolescent Trials Network Coordinating Center, University of Alabama/National Institute of Child Health and Human Development

Kenneth H. Mayer, M.D.
Optimizing HIV Care In Less Developed Countries, National Institute of Allergy and Infectious Diseases

Mary M. Flynn, Ph.D., R.D., L.D.N.
The Study of Diet and its Relation to Breast Cancer, Komen Breast Cancer Foundation
Scholars Program at YRG Care and Moi Medical School, Fogarty International Center
Lifespan/Tufts/Brown Center for AIDS Research (CFAR) – Prevention Core, National Institute of Allergy and Infectious Diseases
Lifespan/Tufts/Brown Center for AIDS Research (CFAR) – International Supplemental Funding, National Institute of Allergy and Infectious Diseases
New England AIDS Education and Training Center, UMass/Health Resources and Services Administration
STD/HIV Prevention Training Center, MA D.O.H/Centers for Disease Control
AIDS International Training and Research Program, Fogarty International Center
Cancer training and Resource Development in Western Kenya, Fogarty International Center
Program for Enhanced HIV Prevention Training of ICMR Researchers, Fogarty International Center
T Vaginalis host Interactions in Relevance to Inflammatory Sequelae, Brigham and Women’s Hospital/National Institute of Allergy and Infectious Diseases
Cervical Cancer Screening for HIV+ Women in Kenya, Fogarty International Center

Jennifer A. Mitty, M.D.
D.O.T and Prevention for HIV+ Persons Leaving Prison, National Institute on Drug Abuse

Steven M. Opal, M.D.
Role of Inter-alpha Inhibitors in Anthrax Intoxication, National Institute of Allergy and Infectious Diseases
Microfluidic Platform for Rapid Influenza Subtyping (ARRA Subcontract), National Institute of Allergy and Infectious Diseases

Aurora Pop-Vicas, M.D.
Clinical and Molecular Epidemiology of Clostridium difficile-Associated Disease in Long-Term Care Facility Residents, The Rhode Island Foundation

Bharat Ramratnam, M.D.
Lifespan/Tufts/Brown Center for AIDS Research (CFAR) – Virology Core, National Institute of Allergy and Infectious Diseases

Josiah D. Rich, M.D.
Opiate Replacement Therapy at Release from Incarceration, National Institute on Drug Abuse
Opiate Replacement Therapy at Release from Incarceration - Supplement, National Institute on Drug Abuse

Midcareer Investigator Award in Patient Oriented Research, National Institute on Drug Abuse
Ryan White Part C: Capacity Development, Health Resources and Services Administration
Ryan White Part C, Health Resources and Services Administration
Ryan White Part C: Capacity Building to Develop Standard Electronic Client Information Data Systems, Health Resources and Services Administration
The Rhode Island Re-Entry Partnership, Drug and Alcohol Treatment Assoc. of RI/Substance Abuse and Mental Health Services Administration
A Randomized Trial of Continued Methadone Treatment Maintenance vs. Detoxification in Jail, National Institute on Drug Abuse
Brief Intervention for Prescription and Other Drugs, Rhode Island Hospital/ National Institute on Drug Abuse
Substance Abuse Treatment and HIV/ AIDS Services, Substance Abuse and Mental Health Services Administration

Karen T. Tashima, M.D.
AIDS Clinical Trials Group – Clinical Research Site, Massachusetts General Hospital/ National Institute of Allergy and Infectious Diseases

Lynn E. Taylor, M.D.
Buprenorphine as a bridge to HCV treatment for HIV/HCV Co-infected opioid users, National Institute on Drug Abuse
Stabilize Addiction/Affect, Begin Inmates Interferon for HCV of Liver (STAABIHL), National Institute on Drug Abuse
Center for Drug Abuse and AIDS Research – Liver Function Core, National Institute on Drug Abuse
Lifespan/Tufts/Brown Center for AIDS Research (CFAR) – Developmental Grant, National Institute of Allergy and Infectious Diseases
Identifying Acute Hepatitis C Virus among at risk hard to reach HIV+ populations, Rhode Island Foundation

Nickolas Zaller, M.D.
Lifespan/Tufts/Brown Center for AIDS Research (CFAR) – Developmental Grant, National Institute of Allergy and Infectious Diseases
Clinical, basic research, clinical research and educational programs in the Division of Kidney Disease and Hypertension continue to evolve and expand.

Clinically, the Division provides consultative services to inpatients with kidney disease or hypertension at Rhode Island Hospital, The Miriam Hospital and the Providence Veterans Affairs Hospital, to outpatients in our offices or clinics at all three hospitals, at the Hallett Diabetes Center and at the University Medicine Foundation satellite offices on Governor Street in Providence, on East Avenue in Pawtucket, and on Centerville Road in Warwick. At Rhode Island Hospital, the 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 the inpatient dialysis units at the Rhode Island Hospital, the Miriam Hospital, and the Veterans Affairs Hospital, and four outpatient dialysis units in the Providence metropolitan area. The inpatient dialysis units at Rhode Island Hospital and The Miriam Hospital are particularly busy and perform approximately 8,000 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 therapeutic plasma exchange treatment 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 250 patients with end stage renal disease (ESRD) treated with hemodialysis and peritoneal 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 Veterans Affairs Hospital and at two privately owned outpatient dialysis units in North Providence and in Warwick respectively. The Division provides medical leadership for a newly built, state of the art dialysis unit owned by Rhode Island Hospital near the hospital complex; this unit will focus on home dialysis therapies. 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 Dr. Douglas Shemin that is ongoing. In this technique, patients receive a long, 7.5-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, and is associated with better control of metabolic and physiologic markers of disease. This 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 in patients with chronic kidney disease are 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 was 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. With 4000 participants drawn from 20 major North American, Canadian, and South American renal transplant centers, FAVORIT was the largest study of CVD prevention ever undertaken in the chronic renal disease; it recently ended, but the data bank is expected to be used extensively in the coming years to examine clinical and other variables in the transplant population and their link to cardiovascular morbidity and mortality.

Dr. 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 300 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 in chronic kidney disease, dialysis adequacy and outcomes in acute and chronic renal failure (Dr. Douglas Shemin) accurate determination of glomerular filtration rate and the association between mild to moderate renal function and cardiovascular disease (Dr. Susie Hu), hypertension, chronic renal disease and cardiovascular disease (Dr. Lance Dworkin), diabetic nephropathy (Dr. John O’Bell and Dr. George Bayliss), the effect of protocol driven care in determination of outcomes in chronic kidney disease (Dr. Andrew Cohen) and transplantation medicine by (Dr. Reginald Gohh and Dr. Angelito Yango).

The laboratory research program is directed by Dr. Shougang Zhuang, assisted by Dr. Rujun Gong. Dr. Zhuang’s 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. Dr. Gong’s laboratory focuses on 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. 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. Dr. Gong was also recently funded by Questcor to evaluate the effect on adrenocorticotropic hormone (ACTH) on an animal model of focal and segmental glomerulosclerosis; this research has important clinical implications as well. He also has recruited a postdoctoral research fellow and his lab serves as a site for fellow, resident, and student instruction.

The Division also works closely with the Division of Pediatric Kidney Disease in the area of education. Fellows in the Division learn and work under the supervision of Drs. Mohammed Faizan and Sharon Su of the Brown pediatric faculty during rotations in pediatric nephrology. The pediatric nephrologists also actively participate in the renal physiology and pathophysiology courses, directed by the Division, for undergraduate medical students at Brown. In addition to the Department of Pediatrics, the Kidney Division also has a very collaborative working relationship with our three renal and pancreas transplant surgeons, Dr. Anthony Monaco, Dr. Paul Morrissey, and Dr. Kevin Charpentier, who round frequently with fellows rotating on the transplant service, provide lectures and attend conferences in the division. Three members of the Department of Pathology also have extensive interactions with our program. Dr. Alfredo Esparza is an expert renal pathologist. He and Dr. Li Wang review native and transplant renal biopsies for the division, and provide 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, especially IgA nephropathy, and an integral member of the basic laboratory research team. Finally, Dr. Staci Fischer is a member of the Division of Infectious Disease in the Department of Medicine, but also our dialysis and 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.

The affiliation remains strong 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. For the past 5 years, 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 in 2008 by Professor Zhi-Hong Liu and Professor Lei-shi Li, the directors of the Research Institute of Nephrology, and 3 month observership of our clinical and training programs in nephrology at Brown earlier this year by Dr. Honglang Xie, who is the director of intensive care nephrology at the Institute in Nanjing. In 2008 Drs. Lance Dworkin and Reginald Gohh traveled to Nanjing to teach and lecture at the Institute, and Drs. Lance Dworkin, Douglas Shemin, and Andrew Cohen spoke at international symposia sponsored by the Institute in 2009. 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 2000 inpatient beds, as well as a brand new outpatient facility. 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 erythematosis and IgA nephropathy, and diabetic nephropathy. One goal of the Sister Center program is to provide opportunities for nephrology fellows to visit China and observe nephrology practice and research in an international setting. In addition, in 2009, the Division’s application to join a second Sister Center program, this time with the Department of Kidney Diseases at Moi University in Eldoret, Kenya, was approved by the International Society of Nephrology; and we expect that this relationship will also develop and involve visits back and forth between the two institutions, with opportunities for joint research and educational programs.

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 Drs. Andrew Cohen and Susie Hu and receives highly favorable reviews each year. Members of the faculty serve as attending physicians on the inpatient dialysis, renal consultation, and renal transplant service at the Rhode Island Hospital, the Miriam Hospital, and the Veterans Affairs Hospital, rounding with fellows, residents and students daily for 12 months per year. The nephrology fellowship began at Rhode Island Hospital in 1966 and has been in existence for over 40 years. Ably directed by Dr. 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 to four training slots per year. 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. Graduates of the program are currently working in academic and clinical nephrology positions in 23 states and 4 countries. 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. Past post-doctoral fellows have gone on to faculty positions in the United States and internationally including, Dr. Rujun Gong in our Division.
TRANSLATION

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 800 kidney transplant procedures have been performed at Rhode Island Hospital, averaging between 50–80 transplants per year. 46% of the transplants are from live donors; one of the highest percentages in the United States. It is also among only five centers in New England that currently offers pediatric kidney transplantation. The center follows a cadre of over 1000 transplant recipients, which accounts for over 3000 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 team is Dr. Reginald Gohh, the medical director of the program and an Associate Professor of Medicine at Brown University Medical School, assisted by Drs. Angelito Yango, Terri Montague, and Christopher Cosgrove (transplant nephrology), Dr. Staci Fischer (transplant infectious diseases) Dr. Jodi Underwood (transplant psychiatry), and Dr. James Beaulieu (transplant pharmacology).

TRANSPANT 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 recently instituted protocols for reducing alloantibody levels in highly sensitized patients using intravenous immunoglobulins, plasmapheresis and anti-CD20 antibodies. Residents and fellows are actively involved in several basic and clinical researches in the division. Dr. Reginald Gohh has been involved in investigating the role of preemptive plasmapheresis 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. Angelito Yango has 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.

FACULTY MEMBERS

Full-Time Faculty
(Hospital and Foundation Based)

PROFESSORS
Lance D. Dworkin, M.D., Chair of Medicine (Interim)
Andrew Cohen, M.D

ASSOCIATE PROFESSORS
Douglas Shemin, M.D., Director
J. Gary Abuelo, M.D.
Andrew G. Bostom, M.D., M.S.
Reginald Gohh, M.D.
Shougang Zhuang, M.D., Ph.D.

ASSISTANT PROFESSORS
George Bayliss, M.D.
Rujun Gong, Ph.D.
Susie Lee Hu, M.D.
Terri L. Montague, M.D.
John O’Bell, M.D.
Angelito Yango, Jr., M.D.

Volunteer Clinical Faculty

ASSISTANT PROFESSORS
Jeffrey Clement, M.D.
Christopher Cosgrove, M.D.
Eikin O. Estrada, M.D.
Thomas Krahn, M.D.
SELECTED HONORS AND SCHOLARLY WORK

Andrew Cohen, M.D.

HONORS AND AWARDS
◆ Dean’s Excellence in Teaching Award, Alpert Medical School of Brown University, 2009

Lance D. Dworkin, M.D.

HONORS AND AWARDS
◆ Honorary Professor, Jinling Hospital, Nanjing University School of Clinical Medicine, Nanjing, China, 2007–2010

INVITED PRESENTATIONS
◆ Cardiovascular Research Technologies 2009. We Really Have Enough Information Now to Stent Renal Arteries? Washington, DC, March 6, 2009
◆ University of Hawaii East Continuing Medical Education Conference. Visiting Professor. Honolulu, HI, March 23–27, 2009

SCHOLARLY ACTIVITIES
◆ Chair, American Society of Nephrology, Abstract Review Section on Clinical Hypertension, 2008
◆ Section Editor, Suki & Massry’s Therapy of Renal Diseases and Related Disorders, 4th Edition, 2008

Reginald Gohh, M.D.

INVITED PRESENTATIONS
◆ “Update in recurrent Focal and Segmental Glomerulosclerosis in the Renal Transplant Recipient”, Jinling Hospital, Nanjing, China, August 2008

John W. O’Bell, M.D.

HONORS AND AWARDS
◆ Dean’s Excellence in Teaching Award, Alpert Medical School of Brown University, 2008
◆ Beckwith Family Award for Outstanding Teaching, 2009

Douglas Shemin, M.D.

HONORS AND AWARDS
◆ Chairman of the Board of Directors, End Stage Renal Disease Network of New England, 2006–2009
◆ Beckwith Family Award for Outstanding Teaching, Alpert Medical School of Brown University, 2009
◆ Dean’s Excellence in Teaching Award, Alpert Medical School of Brown University, 2009

INVITED PRESENTATIONS

Angelito Yango, M.D.

HONORS AND AWARDS
◆ Dean’s Excellence in Teaching Award, Alpert Medical School of Brown University, 2008

Shougang Zhuang, M.D., Ph.D.

INVITED PRESENTATIONS
◆ “Psychosocial Aspects of the Dialysis Patient”, Central South University Xiangya Medical School, Haikou, China, 2008
SELECTED PUBLICATIONS

J. Gary Abuelo, M.D.

George Bayliss, M.D.

Andrew Bostom, M.D.

Andrew Cohen, M.D.

Lance D. Dworkin, M.D.

Reginald Gohh, M.D.

Rujun Gong, M.D., Ph.D.

Susie L. Hu, M.D.

John W. O’Bell, M.D.
Douglas Shemin, M.D.

Angelito Yango, M.D.

Shougang Zhuang, M.D., Ph.D.
◆ Zhuang S, Gilbert Rk, an Y et al. ERK activation mediates mitochondria dysfunction and necrosis induced by hydrogen peroxide in renal proximal tubular cells. J Pharmacol Exp Ther 2008; 325:732–740

Nephrology Fellowship Program

J. Gary Abuelo, M.D., Program Director
John W. O’Bell, M.D., Associate Program Director

Departing Clinical Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School</th>
<th>Residency</th>
<th>Career Plans</th>
</tr>
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<tbody>
<tr>
<td>Ritche Chiu, M.D.</td>
<td>University of the Philippines</td>
<td>Eastern Virginia Medical School</td>
<td>Clinical Practice, Ohio</td>
</tr>
<tr>
<td>Subil Go, M.D.</td>
<td>University of the Philippines</td>
<td>Cleveland Clinic Foundation, OH</td>
<td>Clinical Practice, California</td>
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<tr>
<td>Premal Joshi, M.D.</td>
<td>University of Baroda, India</td>
<td>Wright State University, OH</td>
<td>Clinical Practice, Texas</td>
</tr>
<tr>
<td>Katherine Richman, M.D.</td>
<td>Brown Medical School, RI</td>
<td>Brown Medical School, RI</td>
<td>Assistant Professor, Division of Kidney Disease and Hypertension, Brown University</td>
</tr>
<tr>
<td>Abha Saxena, M.D.</td>
<td>University of Alabama School of Medicine, Birmingham, AL</td>
<td>Robert Wood Johnson University, NJ</td>
<td>Clinical Practice, Iowa</td>
</tr>
<tr>
<td>Charles Stuart, M.D.</td>
<td>Albany Medical College</td>
<td>University of Minnesota</td>
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Current Clinical Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School</th>
<th>Residency</th>
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<tbody>
<tr>
<td>Marilena Caldarusa, M.D.</td>
<td>Dartmouth Medical College</td>
<td>Alpert Medical School of Brown University</td>
</tr>
<tr>
<td>Wirasat Hasnain, M.D.</td>
<td>Dow Medical College, Pakistan</td>
<td>State University of New York, Buffalo</td>
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<tr>
<td>Fuad Said, M.D.</td>
<td>University of Jordan</td>
<td>Alpert Medical School of Brown University</td>
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<tr>
<td>Saeed Shaffi, M.D.</td>
<td>Rawalpindi Medical College, Pakistan</td>
<td>Creighton University</td>
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Current Research Fellows

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Maoyin Pang, M.D., Ph.D.</td>
<td>Shanghai Medical School, Peoples Republic of China</td>
</tr>
<tr>
<td>Murugavel Ponnusamy, Ph.D.</td>
<td>Annamala University, India</td>
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</table>
Selected Basic Research

Rojun Gong, Ph.D.
- Renoprotective Effect of ACTH: Identification of the Therapeutic Targets of ACTH in Human Kidney, Questcor Pharmaceuticals
- ACTH: A Novel Therapy to Slow or Prevent Progressive Kidney Disease, Questcor Pharmaceuticals
- Role of Glycogen Synthase Kinase 3β in Pathogenesis of Inflammatory Kidney Disease, Rhode Island Foundation

Zhuang Zhu
- Role of Heparin Binding Epidermal Growth Factor in Renal Cell Proliferation, Brown University

Shougang Zhaung, M.D.
- Dedifferentiation Following Renal Cell Injury, National Institute of Diabetes and Digestive and Kidney Diseases

Selected Clinical Research

Andrew Bostom, M.D.
- Folic Acid for Vascular Outcome Reduction in Transplantation (FAVORIT) Trial, National Institute of Diabetes and Digestive and Kidney Diseases
- A Randomized Controlled Trial for Homocysteine, National Institute of Diabetes and Digestive and Kidney Diseases

Lance D. Dworkin, M.D.
- Cardiovascular Outcomes in Renal Artherosclerotic Lesions (CORAL), National Institute of Health

Susie Hu, M.D.
- Impact of Subclinical Chronic Kidney Disease and Progression on Cardiovascular Disease Outcomes, Rhode Island Foundation
- Validation of Accurate Kidney Function Measurement Using Iodixanol Elimination During Routine Angiography for Assessment of Cardiovascular Disease Risk Due to Subclinical Chronic Kidney Disease, Brown University

Research

<table>
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<td>Basic Research</td>
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<td>Academic Year 2009</td>
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<td>$252,898</td>
<td>$3,378,803</td>
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</table>
OBSTETRIC & 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 support community based ob gyn practices to improve access and quality of care provided to all women;

To educate medical students, internal medicine and OB/GYN residents, and Obstetric 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. Furthermore, the Department is pleased to announce the new Academic Division of Obstetric Medicine, making Brown University the first in the United States with such a Division. This places our department at the forefront of this field just as evidence is emerging about the link between pregnancy outcomes and risk for cardiovascular disease, diabetes and renal disease. Obstetric Medicine has been a Division in the Department of Medicine at Women and Infants Hospital for 16 years. During that time it has grown into a multidisciplinary division with an international reputation that is thriving in all aspects of academic medicine.

The Center for Obstetric Medicine now offers a multidisciplinary, tumor-board style program specifically for pregnant patients with medical problems. SCIPP – or Specialty Care in Pregnancy Program is the only program of its kind in the U.S., which features a weekly conference that allows for on-site collaboration from a team that includes obstetricians, obstetric internists, maternal-fetal medicine specialists, obstetric anesthesiologists, labor/delivery/recovery nurses with critical care expertise, as well as medical specialists with an interest in caring for women in pregnancy. Each week, the SCIPP conference will focus on a different medical specialty with input from gastroenterologists, rheumatologists, cardiologists, pulmonologists, hematologists, endocrinologists, and radiologists.

A new Bone Health Program with a Bone Density Unit has opened at the Center for Women’s Medicine, under the direction of Dr. Geetha Gopalakrishan, who shares her time between WIH and the Hallett Center.

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 American College of Chest Physicians, the International Society of Obstetric Medicine, the International Society for the Study of Hypertension in Pregnancy, Society of Maternal-Fetal Medicine, the Society of Obstetric Anesthesiologists and Perinatologists (SOAP), the North American Society of Obstetric Medicine (NASOM), the North American Society for Psychosocial Obstetrics and Gynecology (NASPOG), the XIXth World Congress of the World Association for
Social Psychiatry (Prague, Czech Republic), the American Association for the Study of Liver Diseases, Digestive Disease Week, Crohn's & Colitis Foundation of America, the Women's Issues in Gastroenterology and Hepatology, the American College of Gastroenterology, the Radiologic Society of North America and the American Thoracic Society Meeting. We are pleased to announce that Dr. Ghada Bourjeily has been selected the recipient of the 2009 Women's Health Award from the American College of Physicians (ACCP) on June 24, 2009.

We are proud to announce that Lucia Larson, M.D. was elected President and Margaret Miller, M.D. elected Secretary/Treasurer of the North American Society of Obstetric Medicine (NASOM) at the NASOM Annual Meeting in Washington, DC; May 1–3, 2009.

Courtney Bilodeau, M.D. was the finalist for the Clinical Abstract Poster Competition titled, “Labor and Delivery in Hermansky-Pudlak Syndrome,” American College of Physicians Annual Meeting; May 16, 2008. Dr. Bilodeau also received the 2009 Peter Garner Prize/Young Investigator Award at the North American Society of Obstetric Medicine Annual Meeting, Renaissance Marriott, Washington, DC, May 2–3, 2009. Her award-winning presentation was entitled, “Asthma Severity and Obesity in Pregnancy.”

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. 2007–2009 was not any different. We are excited to announce that our seventeenth fellow graduate of June 2008, Meghan Hayes, M.D., and Courtney Clark Bilodeau, M.D., our eighteenth fellow graduate of June 2009, have both accepted a position in the Dept. of Medicine at Women & Infants Hospital as obstetric medicine attendings. Kenneth Chen, M.D., our nineteenth OB Med. Fellow joined the Department of Medicine as of July 1, 2008, as a first-year Obstetric Medicine fellow. Dr. Chen was an advanced endocrinology trainee at The Canberra Hospital in Australia, and most recently worked in the Department of Obstetric Medicine at the Royal Hospital for Women in Sydney, Australia. On July 1, 2009, Simonette Soler, M.D. and Srilakshmi Mitta, M.D. joined the Dept. of Medicine as the twentieth and twenty-first obstetric medicine fellows.

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 completed her three-year fellowship on June 30, 2008. She received her M.D. degree from Brown University Medical School and completed her residency in Internal Medicine from Beth Israel Deaconess Medical Center. She became a new member of the Crohn’s and Colitis Foundation of America, in November 2007, and chaired the Inaugural Meeting of Crohn’s & Colitis Support Group for Women on January 9, 2008. She participated in the CDC/CCFA site visit for Ocean State Crohn’s and Colitis Area Registry on February 1, 2008. She completed an Advanced Inflammatory Bowel Disease rotation at the Mayo Clinic Rochester, Minnesota, sponsored by the Crohn’s & Colitis Foundation of America in May, 2008. She has accepted a position as Assistant Professor of Medicine at the University of Wisconsin-Madison Hospital in Madison, Wisconsin. Dr. Saha will continue to collaborate with the Women & Infants’ GI Division on inflammatory bowel disease in pregnancy projects. She returned to Rhode Island in April, 2009, to present at the CDC/CCFA site visit for the Ocean State Crohn’s and Colitis Area Registry.

Amanda Pressman, M.D., joined the Department of Medicine on July 1, 2008 as a first-year Gastroenterology fellow. She received her M.D. degree from Case Western Reserve University School of Medicine (CWRU), Cleveland, Ohio, and completed her residency in Internal Medicine from Beth Israel Deaconess Medical Center, Boston Massachusetts. Dr. Pressman recently worked as a staff physician at the Hebrew Rehabilitation Center since July 2006.

Karen Rosene-Montella, M.D., Chief of Medicine, is pleased to announce the addition of numerous new faculty members.

Lilia Romero-Bosch, M.D., joined the Department of Medicine as an attending psychiatrist in the Division of Behavioral Health on July 7, 2008. Dr. Bosch received her medical degree from the University of Medicine and Dentistry of New Jersey, New Jersey Medical School and completed her residency in General Pediatrics/
Meghan Hayes, M.D., completed her Obstetric Medicine Fellowship with the Department of Medicine at Women & Infants Hospital on June 30, 2008, and joins us as of July 1, 2008, as an Obstetric Medicine attending and Medical Director of Emergency Preparedness. She received her M.D. degree from the State University of New York Health Science Center at Syracuse College of Medicine and completed her residency from the David Grant USAF Medical Center affiliated with the University of California at Davis.

Courtney Clark Bilodeau, M.D., completed her Obstetric Medicine Fellowship with the Department of Medicine at Women & Infants Hospital on June 30, 2009, and joins us as of July 1, 2009, as an Obstetric Medicine attending physician. Dr. Bilodeau received a bachelor's degree cum laude in English from the University of Rochester in Rochester, NY, and her medical degree from the Chicago Medical School at Rosalind Franklin University of Chicago, IL. She completed a residency in internal medicine and a fellowship in obstetric medicine at The Alpert Medical School of Brown University.

Nnenna Okpara, M.D. has joined the staff in the Division of Women’s Digestive Disorders at Women & Infants Hospital on July 1, 2009. Dr. Okpara received a bachelor’s degree summa cum laude in biology from the University of Houston in Houston, TX, and her medical degree from the Columbia University College of Physicians and Surgeons in New York. She completed her residency in internal medicine at New York Presbyterian Hospital/Columbia University Medical Center and a fellowship in gastroenterology at The Alpert Medical School of Brown University.

Mariam Fayek, M.D., has joined the staff in the Division of Women’s Digestive Disorders at Women & Infants Hospital and will begin seeing patients in August 2009 at the Center for Women’s Gastrointestinal Services, part of Women & Infants Center for Women’s Medicine. She received a bachelor’s degree cum laude in biochemistry from New York University, and graduated Alpha Omega Alpha, the medical honor society, from the Howard University College of Medicine in Washington, DC.

Marisa VanPoznak, M.D., has joined the staff in the Center for Women’s Primary Care, part of the Center for Women’s Medicine at Women & Infants Hospital. Dr. VanPoznak graduated from Cornell University, where she was a member of the Dean’s List and also received the Frederick G. Marcham Prize. She earned her medical degree from Dartmouth Medical School in Hanover, NH and completed her internal medicine residency at The Alpert Medical School of Brown University.

Sara Wriston, NP, joined the Center for Women’s Gastrointestinal Services in June 2008. She is a board certified family nurse practitioner who received her graduate degree from the University of Pennsylvania. She has extensive experience in the fields of internal medicine, obstetrics and gynecology, and oncology. Her interests include liver disease, particularly hepatitis, and gastrointestinal problems in pregnancy. She started a pregnant/post partum, hepatitis patient database, tracking the patients treated at the Center.

In addition to the new members of our team, I am very pleased to announce that Lucia Larson, M.D. has been promoted to Director of the Division of Obstetric and Consultative Medicine in the Department of Medicine at Women & Infants Hospital as of June 1, 2009. Meghan Hayes, M.D., one of our newest attendings, has been appointed to the Brown faculty as Assistant Professor of Medicine (Clinical) as of May 1, 2009.

We are very proud to say that several of our doctors were named “2009 Top Docs for Women by Rhode Island Monthly” and they include Christy Dibble, D.O., Silvia Degli Esposti, M.D. and Carmen Monzon, M.D..

Silvia Degli Esposti, M.D., Director of the Center for Women’s Gastrointestinal Disorders, is very pleased to announce that The Rhode Island Perinatal Hepatitis Prevention Program, a collaborative effort of Women & Infants Hospital (Center for Women’s Gastrointestinal Services), Hasbro Children’s Hospital, the VNA of Care New England, and the Rhode Island Department of Health, was recently recognized by the Centers for Disease Control and Prevention. Rhode Island has the highest immunization rate in the country – 95% for three doses in the first eight months of life – of infants born to women with hepatitis B, March, 2009.

The Center for Women’s Gastrointestinal Services at Women & Infants started the first Ambulatory Patient and Family Centered Care group in 2008. The Center for Women’s Gastrointestinal Services took part in the “Take Steps Walk for Crohn’s & Colitis”, Colt State Park, Bristol, RI, on Saturday, June 13, 2009. The Center’s team raised over $2,500.00 that will be used for future research.
Numerous physicians were interviewed by local and national media and include:

Karen Rosene-Montella, M.D. was interviewed by Dr. Lisa Mazzullo, M.D., of Reach M.D. Radio regarding the textbook Medical Care of the Pregnant Patient, 2nd edition; July 10, 2008, and was interviewed by Barbara Morse from Channel 10 regarding Thyroid in Pregnancy, which aired on Channel 10 News; April 6, 2009.

Colleen Kelly, M.D. was interviewed by Dr. Lauren Streicher for an XM radio show on “reachM.D.”, a channel on XM Radio that has news/educational activities for physicians. Dr. Streicher hosts a show devoted to women’s health issues and interviewed Dr. Kelly about medical issues that pregnant women who have had bariatric surgery face; October 24, 2008. She was also interviewed again by XM radio broadcast for the show “Advances in Women’s Health.” Hosted by Lauren Streicher, M.D., the topic of discussion was “Bariatric Surgery and a Baby on Board”; January 2009.

Margaret Miller, M.D. participated in an interview with Kim Frankenthal, XM Radio. The topic of discussion was Biomarkers for Preeclampsia; February 2009.

Lucia Larson, M.D. was interviewed by Marion Davis, Contributing Healthcare Writer, for the Providence Business News on May 21, 2009. Dr. Larson answered questions about her clinic work, her research, and efforts to expand the pool of doctors with expertise in obstetric medicine. The interview/article was entitled “Five Questions With: Dr. Lucia Larson”.

Silvia Degli-Esposti, M.D. was interviewed by Advance for Nurses Magazine. The article “Keeping a Watchful Eye,” which discusses the Perinatal Hepatitis Prevention Program earned the front cover. She was also interviewed by R.I. Monthly for the “Best Doctors for Women” issue; March 9, 2009.

Christy Dibble, D.O. interviewed with Barbara Morse from Channel 10 regarding Women’s Gastrointestinal Disorders and Management at Women & Infants Hospital; June 2009.

Margaret Howard, Ph.D. interviewed with Kate Rope for Cookie Magazine regarding “Postpartum Anxiety Disorders;” May 15, 2009 and with Bonnie Rochman for Parenting Magazine regarding “Mother-Baby Units for Postpartum Depression: A Comparison of 2 Models of Care;” May 27, 2009. Dr. Howard was also interviewed by Marisa Cohen of Baby Talk Magazine regarding “Postpartum Depression: Signs and Symptoms”; March 23, 2009.

The First Annual 5K Run and 2-Mile Walk “Stepping Out of the Darkness” was held at Slater Memorial Park, Pawtucket, RI. Proceeds benefited the Women & Infants Hospital Day Program for the treatment of Postpartum Depression; May 10, 2008.

Christy Dibble, D.O. received a Certificate of Appreciation from the Rhode Island Cancer Council acknowledging her contribution of time and effort to enhance and improve cancer awareness, control and education in Rhode Island, September 2007. Dr. Dibble participated in the Colorectal Cancer Education and Awareness Program in conjunction with the American Cancer Society as an educator in March, 2008. She chaired the Community Colorectal Cancer Education and Awareness Effort with the American Cancer Society recognizing March as National Colorectal Cancer Awareness Month. She was also the Chairperson of the Rhode Island Colorectal Cancer Detection and Screening Work Group, Rhode Island Department of Health, American Cancer Society; March 2008. In conjunction with The Partnership to Reduce Cancer in Rhode Island, Christy Dibble, D.O. developed and presented Colorectal Cancer Education and Awareness programs for Rhode Island and Connecticut corporations and Senior Centers as part of Colorectal Cancer Month, March 2009.

Lucia Larson, M.D. & Niharika Mehta, M.D. facilitated a workshop entitled “Medical Care of the Pregnant Woman for the Primary Care Provider,” at the Harvard School of Public Health Primary Care Internal Medicine: Principles and Practice course, Cambridge, MA; October 21, 2008.

The Department of Medicine had many prestigious visitors and they include:

- Marc Rodger, M.D., FRCP, MSc (Epidemiology), Head, Thrombosis Program, Deputy Director, Senior Scientist, Clinical Epidemiology Program, Ottawa Health Research Institute, Ottawa Hospital visited with the Dept. of Medicine, March 4–March 6, 2008. Dr. Rodger’s presented at WIH Grand Rounds entitled “Thrombophilia in Pregnancy: Exploding Myths in Causality and Prevention.”
- Colleagues from the University of Calgary met with several doctors in the Department of Medicine to discuss their plan to build a free-standing women’s hospital; March 11, 2008.
Many of our faculty contributed chapters to the following textbooks:

- Karen Rosene-Montella, M.D., was named Editor-in-Chief of *Obstetric Medicine: The Medicine of Pregnancy*. The first issue of the journal was published in September, 2008.
- Christy Dibble, DO, authored *Smart Brief*, an E-News brief for primary care practitioners distributed by the Rhode Island Department of Health on “Tips for Ensuring Patient Compliance with Colorectal Cancer Screening Recommendations;” October 2008.
- *De Swiet's Medical Disorders in Obstetric Practice*, 5th Edition, is scheduled for publication by the end of 2009. Raymond O. Powrie, M.D. is one of the editors of the book.

**FELLOWS**

- Courtney Clark Bilodeau, M.D.,
  Teaching Fellow in Medicine (Obstetric Medicine)
- Kenneth Chen, M.D.,
  Teaching Fellow in Medicine (Obstetric Medicine)
- Amanda Pressman, M.D.,
  Teaching Fellow in Medicine (Gastroenterology)
- Sumona Saha, M.D.,
  Teaching Fellow in Medicine (Gastroenterology)
FACULTY MEMBERS

Full-Time Faculty

Professors
Karen Rosene-Montella, M.D.
Caron Zlotnick, Ph.D.

Associate Professors
Lucia Larson, M.D.
Teri Pearlstein, M.D.
Raymond Powrie, M.D.

Assistant Professors
Ghada Bourjeily, M.D.
Margaret Miller, M.D.,

Clinical Faculty

Associate Professors
Silvia Degli Esposti, M.D.
Margaret Howard, Ph.D.

Assistant Professors
G. Thamara Davis, M.D.
Christy Dibble, D.O.
Ellen Flynn, M.D.
Meghan Hayes, M.D.
Neeta Jain, M.D.
Niharika Mehta, M.D.
Carmen Monzon, M.D.
Rossana Moura, M.D.
Iris Tong, M.D.

SELECTED HONORS AND SCHOLARLY WORK

Courtney Bilodeau, M.D. (Ob Med Fellow)

Scholarly Activities
- Presented abstract titled, “Labor and Delivery in Hermansky-Pudlak Syndrome” has been selected by the Abstract Review Board for presentation as a poster finalist and will be judged on-site at Internal Medicine 2008 in Washington, DC. The Clinical Vignette Poster Competition will take place on Friday, May 16, 2008 in the Walter E. Washington Convention Center; February 2008.

Ghada Bourjeily, M.D.

Honors and Awards
- Selected to serve as an executive member of the North American Society of Obstetric Medicine, April, 2009.
- Received the Women’s Health Clinical Research Award from the American College of Chest Physicians (ACCP), June 2009.
- Selected to serve on the American College of Physicians Women’s Health Network Steering Committee, June, 2009.

Invited Presentations

Scholarly Activities
- Abstract entitled “Effect of In-Utero Exposure to Iodinated Contrast Media on Neonatal Thyroid Function” at the Lawson Wilkins Pediatric Endocrine Society/European Society for Pediatric Endocrinology meeting held in New York, NY, June, 2009.
- Abstract entitled “Epworth Sleepiness Scale Scores in Pregnancy” has been accepted for presentation at the 2008 American Thoracic Society International Conference in Toronto, Ontario, Canada; January 2008.


Grants received from the Perkins Charitable Foundation for the study of “Sleep disordered breathing in pregnancy”. $84,500 in September 2008 and $66,000 in September 2007.

Silvia Degli-Esposti, M.D.

HONORS AND AWARDS

Member, American College of Gastroenterology (ACG), June 2007.

Member, Crohn’s and Colitis Foundation of America (CCFA), November, 2007.

SCHOLARLY ACTIVITIES


Presented a poster entitled “GI Consultations in Pregnancy” Poster Presentation Session: Outcomes Research, Epidemiology, and Quality of Life at Digestive Disease Week (DDW) along with Sumona Saha, M.D., Joseph Manlolo, M.D., Christopher McGowan, M.D., Steven Reinert, MS, Chicago, IL; June 3, 2009.

Christy Dibble, D.O.

INVITED PRESENTATIONS

Appointed to the education project co-sponsored by the American Cancer Society and CDC (as part of the RI Comprehensive Cancer Control Plan) for primary care providers regarding CRC screening, detection and treatment. Dr. Dibble will give a series of 2 hour lectures, August 2008.

SCHOLARLY ACTIVITIES

Collaborating with the Rhode Island State Comprehensive Cancer Partnership on a 6-month project to design a plan to implement Cancer Prevention and Treatment Programs statewide under a federal grant. November 2007.

Meghan Hayes, M.D.

SCHOLARLY ACTIVITIES


Margaret Howard, Ph.D.

HONORS AND AWARDS

Reviewer, Archives of Women’s Mental Health, March 2009.

INVITED PRESENTATIONS


SCHOLARLY ACTIVITIES

Participant: IPT/Sertraline Grant Research Conference Calls and Meetings with the University of Iowa; September 2007.

Co-Investigator: “Placebo-Controlled Trial of Sertraline and Interpersonal Psychotherapy for Postpartum Depression.”

Study Number: R01 MH074919

IRB Project Number: 07-0047


David Kerstetter, M.D. (GI Fellow)


Lucia Larson, M.D.

Honors and Awards


Scholarly Activities


Niharika Mehta, M.D.

Invited Presentations

- Workshop facilitator: “Medical Care of the Pregnant Woman for the Primary Care Provider”, Harvard School of Public Health Primary Care Internal Medicine: Principles and Practice course, Cambridge, MA; October 21, 2008.

Margaret Miller, M.D.

Honors and Awards


Invited Presentations


SCHOLARLY ACTIVITIES

- - Prevalence of chronic health problems in mothers of very low birthweight infants.
- - Pivotal PE Procurement – A multi-site international trial that will attempt to identify Serum biomarkers that may be predictive of preeclampsia. Protocol No: PE-2-08-D. Beckman Coulter, Inc., $475,000, October 1, 2008–October 1, 2010. Co-Principal Investigator.

Rossana Moura, M.D.

SCHOLARLY ACTIVITIES


Teri Pearlstein, M.D.

Honors and Awards


Invited Presentations

- Faculty presenter at Psychiatry Grand Rounds. “Premenstrual Dysphoric Disorder,” Mount Sinai School of Medicine, New York, NY; October 28, 2008.
- Presented “Effects of Depression, Anxiety and Treatment on the Perinatal Woman,” Symposium Chair and Faculty Presenter, 3rd International Congress on Women’s Mental Health, Melbourne Australia; March 18, 2008.
- Keynote Presentation: “Premenstrual Dysphoric Disorder: Diagnosis and Treatment Options,” 3rd International Congress on Women’s Mental Health, Melbourne Australia; March 20, 2008.
Presented “Non-Medical and Psychological Interventions,” at the Inaugural Meeting of the International Society for the Study of Premenstrual Disorders, satellite course at the 7th Royal College of Obstetrics and Gynecology International Scientific Meeting, Montreal, Quebec, Canada; September 16–17, 2008.

Scholarly Activities

- Participant: IPT/Sertraline Grant Research Conference Calls and Meetings with the University of Iowa; September 2007.
  - Grant award received 9/14/07: R01 MH074919-01A2
  - Date of project: 9/14/07–5/31/12
  - NIMH, Annual Direct Cost $278,000

- Placebo-Controlled Trial of Sertraline and Interpersonal Psychotherapy for Postpartum Depression. The major goal of this two-site project is to compare sertraline and interpersonal psychotherapy to placebo in women with postpartum depression in terms of efficacy on depressive symptoms, anxiety and social functioning.
  - Principal Investigator: Caron Zlotnick, Ph.D.
  - Co-Principal Investigator: Teri Pearlstein, M.D.

Raymond Powrie, M.D.

Honors and Awards


Invited Presentations

- Invited presenter: “Pulmonary Edema in the Obsteric Patient,” Advances in Physiology and Pharmacology in Anesthesia and Critical Care, sponsored by the Department of Anesthesiology, Wake Forest University School of Medicine, Hilton Head, SC, October 30, 2007.

- Presented “Pulmonary Edema in Pregnancy: Ten Lessons I’ve Learned. Invited presentation Grand Rounds, Tulane University Health Sciences Center, School of Medicine, Department of Obstetrics and Gynecology, New Orleans, LA; May 9, 2008.

- Invited presentation entitled “Approach to Intrapartum Medical Emergencies” at Boston Medical Center, Grand Rounds, Department of Obstetrics and Gynecology, Boston, MA; January 21, 2009.

- Invited Presentation entitled “What’s New in Obstetric Medicine? Where is the Pendulum Swinging?” at Grand Rounds at the Department of Anesthesia, Brigham and Women’s Hospital, Boston, MA; February 18, 2009.


- Invited presentation: “Gastroenterology Disorders in Pregnancy Workshop” at the Medical Complications in Pregnancy Conference organized by the Imperial College of London at the Royal College of London, UK; November 12, 2008.

- Invited presentation: “Sepsis in pregnancy” at the SOMANZ/ADIPS Combined Annual Scientific Meeting, Adelaide, South Australia; November 1, 2008.

Karen Rosene-Montella, M.D.

Honors and Awards


- Steering Committee Member, Office of Research on Women’s Health and the National Institutes of Health, “Moving into the Future – New Dimensions and Strategies for Women’s Health Research for the NIH”; Brown University and Women & Infants’ Hospital is one of four sites nationally, March, 2009–present.

- Editor, Medical Care of the Pregnant Patient, 2nd Edition, American College of Physicians, 2006–2009


Invited Presentations

- Invited Speaker. Presented Grand Rounds, “Venous Thromboembolism and Thrombophilias in Pregnancy”, Prentice Women’s Hospital, Northwestern University, Feinberg School of Medicine, Chicago, IL, Friday, April 18, 2008


SCHOLARLY ACTIVITIES

Grant: Principal Investigator: James Haddow, M.D.; Co-investigator: Karen Rosene-Montella, M.D. awarded $1.3 million for a 3 year grant entitled “Maternal Hypothyroidism” from the CDC; September 2007.

Grant: Principal Investigator: Karen Rosene-Montella, M.D.
Co-Investigator: Margaret Miller, M.D.
Date of Project: October 1, 2008 – October 1, 2010
Funded By: Beckman Coulter, Inc.
Estimated Project Funding: $475,000
Name of Project: Pivotal PE Procurement Protocol #PE-2-08-D
Description of Project: This multi-site, international trial will attempt to identify serum biomarkers that may be predictive of pre eclampsia. A total of 1500 pregnant women, week 20-36 gestation will be identified and offered enrollment. These women will be followed prospectively and blood, clinical information, and delivery/birth outcome information collected. This is a 2 year funded study and W&I’s was chosen as the New England site.

Sumona Saha, M.D. (GI Fellow)

SCHOLARLY ACTIVITIES

Presented a poster at the Digestive Disease Week 2008 (DDW) meeting: McGowan C., Saha S., Chu G., Resnick M., Moss SF: “Intestinal Ischemia Due to Sodium Polystyrene Sulfonate (Kayexalate) in Sorbitol: Not Just in the Very Ill”, Digestive Disease Week 2008 (DDW); May 18, 2008.


Iris Tong, M.D.

HONORS AND AWARDS

Section Editor, Ferri’s Clinical Advisor Instant Diagnosis and Treatment: 5-Minute Consult Clinical Comparison to Women’s Health, Philadelphia, PA, Elsevier Moby; 2008 Edition; September, 2007.

Jeffrey Zaidman, M.D. (GI Fellow)

SCHOLARLY ACTIVITIES


Caron Zlotnick, Ph.D.

INVITED PRESENTATIONS

Invited Speaker. Grand Rounds, "Interventions with Pregnant Women with Partner Abuse,” University of Rochester, Department of Psychiatry; April 30, 2008.

SCHOLARLY ACTIVITIES

Participant: IPT/Sertraline Grant Research Conference Calls and Meetings with the University of Iowa; September 2007.

Grant Funded: Grant award received 9/14/07: R01 MH074919-01A2
Date of project: 9/14/07 – 5/31/12
NIMH, Annual Direct Cost $278,000
Placebo-Controlled Trial of Sertraline and Interpersonal Psychotherapy for Postpartum Depression. The major goal of this two-site project is to compare sertraline and interpersonal psychotherapy to placebo in women with postpartum depression in terms of efficacy on depressive symptoms, anxiety and social functioning. Principal Investigator: Caron Zlotnick, Ph.D.
Co-Principal Investigator: Teri Pearlstein, M.D.
### Obstetric and Consultative Medicine Fellowship Program

#### Departing Fellows

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<tr>
<th>Name</th>
<th>Medical School</th>
<th>Residency</th>
<th>Career Plans</th>
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<tr>
<td>Meghan Hayes, M.D.</td>
<td>State University New York Health Science Center at Syracuse College of Medicine</td>
<td>David Grant USAF Medical Center; Travis Air Force Base, California. In affiliation with University of California at Davis Medical School</td>
<td>June 2008 graduate. She accepted a position in the Dept. of Medicine at Women &amp; Infants Hospital as an OB Medicine attending.</td>
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#### Current Fellows

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<th>Name</th>
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<tr>
<td>Courtney Bilodeau, M.D.</td>
<td>Rosalind Franklin University Chicago Medical School Chicago, IL</td>
<td>Internal Medicine Residency Alpert School of Medicine of Brown University Providence, RI</td>
<td>June 2009 graduate. She will be joining the Dept. of Medicine at Women &amp; Infants Hospital as an OB Medicine attending as of July 1, 2009.</td>
</tr>
<tr>
<td>Kenneth Chen, M.D.</td>
<td>The University of Sydney Sydney, Australia</td>
<td>General Internal Medicine Westmead Hospital Sydney, New South Wales, Advanced Endocrinology Trainee, The Canberra Hospital, Canberra, ACT, Australia</td>
<td>June 2009 graduate.</td>
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#### Departed Fellows

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<tr>
<td>Sumona Saha, M.D.</td>
<td>Brown-Dartmouth Medical Program, Dartmouth Medical School, Hanover, NH Brown Medical School, Providence, RI</td>
<td>Beth Israel Deaconess Medical Center Boston, MA</td>
<td>June 2008 graduate. Currently working at the University of Wisconsin-Madison Hospital as an attending gastroenterologist.</td>
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#### Current Fellow

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<tr>
<td>Amanda Pressman, M.D.</td>
<td>Case Western Reserve University School of Medicine (CWRU) Cleveland, OH</td>
<td>Internal Medicine Beth Israel Deaconess Medical Center Boston, MA</td>
<td>June 2011 graduate.</td>
</tr>
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SELECTED PUBLICATIONS

PULMONARY, CRITICAL CARE & SLEEP MEDICINE

OVERVIEW

The Division has been expanding its activities in the following areas:

1. Vascular Physiology/Pulmonary Hypertension
2. Critical Care and Knowledge Transfer
3. Sleep Medicine
4. Interventional Pulmonology

Vascular Physiology/Pulmonary Hypertension:

Our Pulmonary Hypertension program continues to be recognized nationally, under the leadership of James Klinger M.D., Associate Professor of Medicine. Dr. Klinger has developed recognized expertise in taking and treating patients with secondary pulmonary hypertension, associated with collagen vascular diseases and chronic obstructive pulmonary disorders. The clinical service remains on the cutting edge of new treatment protocols for pulmonary hypertension and is involved, under the leadership of Dr. Klinger, in multiple clinical trials evaluating new agents for the treatment of pulmonary hypertension. These clinical activities in pulmonary hypertension complement the nationally-recognized regional activities of several Division members at the Veterans Administration Medical Center in the pulmonary vascular biology laboratories of several Division members. Several have NIH-funded research in this area, including Sharon Rounds M.D., 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.

Critical Care and Knowledge Transfer:

Critical care is a major function of the research division, along with training activities. Under the leadership of Mitchell Levy M.D., Professor of Medicine and Director of Critical Care at both Rhode Island Hospital and The Miriam Hospital, the program has continued to expand. In July 2006, the Division of Critical Care at The Miriam Hospital was merged with the Rhode Island Hospital Division. Since that time, our Division has welcomed three new faculty members from The Miriam Hospital into our Division. These include the following:

Gerardo Carino M.D., Director of The Miriam Hospital Intensive Care Unit, who completed his fellowship here at Brown University; Jeffrey Mazer M.D. who completed his fellowship here at Brown and then was asked to join the faculty; and Jigme Sethi M.D. who was recruited to Brown from the University of Pittsburgh where his major research interest was in studying the biology of exhaled oxides as biomarkers of pulmonary inflammation in asthma and lung transplantation.

Dr. Levy’s prominence in the field of critical care medicine continues to grow, both nationally and internationally. He served as President of the Society of Critical Care Medicine in 2009. The major focus of research for Dr. Levy and the MICU has been knowledge transfer and health services research in the fields of sepsis and end-of-life care. Dr. Levy recently completed and published the results of Phase III of the Surviving Sepsis Campaign, a study evaluating the use of performance matrix to change clinical practice and improve survival. The results of this study included 15,000 patients. Both the RIH Medical Intensive Care Unit and The Miriam Hospital Medical Intensive Care Units are leaders in the field of end-of-life care and will guide an upcoming statewide collaborative in palliative care and communication in the ICU. In addition, the MICU at Rhode Island Hospital provides direction and clinical support to the Respiratory Intermediate Care Unit and step-down ICUs at RIH, as well as the medical intensive care units at the Veterans Administration Medical Center,
The Miriam Hospital, and Memorial Hospital of Rhode Island. These units have been an outstanding clinical and research training site for the pulmonary critical care fellows, as well as internal medicine residents.

**Ongoing areas of research include:**

1. improving the quality of end-of-life care in the medical intensive care unit
2. knowledge translation and performance matrix in sepsis
3. biomarkers in sepsis
4. HF oscillation in ARDS
5. Evaluation of microcirculatory abnormalities in sepsis and trauma patients

We are a clinical coordinating center for multi-center, randomized, controlled trials for new agents in sepsis and currently have two Phase II and two Phase trials in process.

**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 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 Middletown 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. The sleep group is committed to promoting sleep research and education. 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. As part of the Sleep Program expansion and new areas of research, two new faculty members were added, Katherine Sharkey M.D., Ph.D. and Mariam Louis M.D., both of whom are working towards expanding the Sleep Center research commitment through NIH and other grant applications.

**Interventional Pulmonology**

The Department of Interventional Pulmonology has continued to flourish under the direction of Muhammed Abu-Hijleh M.D., Assistant Professor of Medicine. Assisted by Kevin Dushay M.D., this program serves as the major reference point for interventional pulmonology for southern New England, incorporating all the latest techniques in interventional pulmonology. Dr. Abu-Hijleh has continued his research efforts in multicenter clinical trials and is completing his work on a trial to evaluate the safety and effectiveness of endobronchial valves for the treatment of severe obstructive lung disease. Both Drs. Abu-Hijleh and Dr. Dushay continue their work with medical thoroscopy and advances in bronchoscopic techniques for lung cancer. They continue to collaborate with the Rhode Island Hospital Cancer Center in producing the most up-to-date, state-of-the-art treatment for patients from southern New England.

**Pulmonary Critical Care Fellowship**

Nicholas Ward M.D., Program Director for the Fellowship Program at RIH, continues with his highly-successful work in recruiting four fellows each year for the three-year training program. Our recent recruits, in addition to two Brown graduates, are from Beth Israel and St. Vincent’s. The fellows continue to present their research each year at a national meeting and have a successful track record of publications, by the end of their fellowship.

We have continued our collaboration with the Division of Hematology/Oncology through Dr. Peter Quesenberry and Dr. Jason Aliotta, Professors of Medicine. The Hematology/Oncology Division continues to work with a COBRA grant, The New Stem Cell Biology. Dr. Aliotta, a former pulmonary/critical care fellow, is now the holder of a K grant entitled, Injured Lung and its Influence on Bone Marrow Cell Phenotype, and he is working on submitting his RO1. Dr. Aliotta has become a highly-regarded and well-respected bench researcher. The main focus of his research is to examine the contribution of bone marrow-derived stem cells to the cellular component of the radiation-injured murine lung.

Sharon Rounds, M.D.: Dr. Sharon Rounds, Professor of Medicine, and Chief of the Medical Service at the Providence VA Medical Center, 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. Rounds has chaired the ATS Scientific Advisory Committee since 2008. She also received a Scientific Achievement Award from the American Thoracic Society in May, 2009.

Linda Nici, M.D.: Dr. Linda Nici, Clinical Professor of Medicine, continues her highly-successful pulmonary rehabilitation program at the VA 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. Dr. Nici is Associate Chief of the Pulmonary/Critical Care section at the Providence VA Medical Center. She is Medical Director of Respiratory Therapy at the VA.

Kevin Dushay, M.D.: Dr. Kevin Dushay, Assistant Professor of Medicine, continues his work with the New England Organ Bank and has now entered several clinical trials on interstitial pulmonary fibrosis.

Sidney Braman, M.D.: Dr. Sidney Braman, Professor of Medicine, continues as “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.
Volunteer Clinical Faculty

PROFESSORS
William Corrao, M.D.

ASSOCIATE PROFESSORS
Walter Donat, M.D.
David Ettenson, M.D.
James Myers, M.D.
Charles Sherman, M.D., MPH

ASSISTANT PROFESSORS
R. William Corwin, M.D.
Ronald Gilman, M.D.
Peter Karczmar, M.D.
Naomi Kramer, M.D.
John Ladetto, M.D.
Michael Pomerantz, M.D.
Michael Stanchina, M.D.

INSTRUCTORS
John Zwetchkenbaum, M.D.
Adjunct Faculty
Nicholas Hill, M.D.
Joseph Meharg, M.D.
Michael Passero, M.D.

SELECTED HONORS AND SCHOLARLY WORK

Muhammed Abu-Hijleh, M.D.

HONORS AND AWARDS
◆ Beckwith Family Award for Outstanding Teaching, Alpert Medical School, 2008

INVITED PRESENTATIONS
◆ “Bronchoscopy Update” at The Jordanian Respiratory Society, Amman, Jordan

Jason Aliotta, M.D.

HONORS AND AWARDS
◆ Elected Fellow of the American College of Chest Physicians (FCCP)
◆ Dean’s Teaching Excellence Award, Pulmonary Pathophysiology Small Group, Alpert Medical School, 2007, 2008, 2009

INVITED PRESENTATIONS
◆ “Tissue-Specific Gene Expression of Marrow Cells Co-Cultured with Various Murine Organs” at American Society of Hematology, San Francisco, CA
◆ “The Lung and Bone Marrow: Microvesicles and their role in cellular communication” at Experimental Biology, New Orleans, LA

Sidney Braman, M.D.

HONORS AND AWARDS
◆ GlaxoSmithKline Distinguished Scholar in Respiratory Health Award presented by the American College of Chest Physicians and The CHEST Foundation
◆ United Nations Environment Programme Medical Applications Technical Committee
◆ Options Committee

INVITED PRESENTATIONS
◆ “Clinical Manifestations of Asthma vs. COPD in the Elderly” at National Institute of Aging, Washington, DC
◆ American College of Chest Physicians International Board Review Course, Athens, Greece

SCHOLARLY ACTIVITIES
◆ Advisory Committee, National Institute of Aging

E. Jane Carter, M.D.

HONORS AND AWARDS
◆ President Elect, North American Region, International Union Against TB and Lung Disease

SCHOLARLY ACTIVITIES
◆ Liaison Member- Advisory Committee for the Elimination of Tuberculosis, CDC
◆ Board Member- World Lung Foundation
◆ Advisory Committee Member (Tuberculosis) - Millennium Village Project
◆ Technical Consultant in TB and TB/HIV, USAID PEPFAR AMPATH, Eldoret, Kenya
◆ Reviewer: American Journal of Respiratory and Critical Care Medicine, PLOS, The International Journal of Tuberculosis and Lung Disease

Kevin Dushay, M.D.

INVITED PRESENTATIONS
◆ The DCD Experience: Hospital and Donor Family Perspectives” at New England Organ Donation and Transplantation Breakthrough Collaborative Local Learning Congress, Westborough, MA
◆ “Creating Future Donation Champions”, Collaborating to Save Multiple Lives: The Vital Role of the Intensivist in Maximizing Organs at Transplant Conference, Baltimore, M.D.
◆ “Research Opportunities for the Intensivist”, Collaborating to Save Multiple Lives: The Vital Role of the Intensivist in Maximizing Organs at Transplant Conference, Baltimore, M.D.
◆ “Lung Recruitment Strategies” at National Association of Transplant Coordinators 2008 Annual Meeting, Boston, MA

Elizabeth Harrington, Ph.D.

HONORS AND AWARDS
◆ Associate Editor, Lung
◆ Member, Nomination Committee, Assembly on Pulmonary Circulation, American Thoracic Society
◆ Member, Program Committee, Assembly on Pulmonary Circulation, American Thoracic Society

INVITED PRESENTATIONS
◆ “The Role of PKC in Endothelial Cell Function” (Visiting Professor) for the Committee on Molecular Medicine at University of Chicago, Chicago, IL
◆ “Endothelial Cell Apoptosis and Lung Injury” (Featured Speaker) at American Thoracic Society International Conference, Mini-symposium on Advances in Basic Mechanisms of Pulmonary Edema, Toronto, Canada

SCHOLARLY ACTIVITIES
◆ Ad hoc Reviewer, Research Career Development Subcommittee for Respiration, Department of Veterans Affairs
◆ Co-Chair, American Thoracic Society International Conference, Poster Discussion Session entitled “Cellular and Molecular Events in Pulmonary Hypertension”
◆ Ad hoc Reviewer, Heart, Lung, and Blood Program Project Review Committee, NIH, NHLBI
◆ Co-Chair, American Thoracic Society International Conference, Poster Discussion Session entitled “Regulation of Pulmonary Vascular Cell Proliferation, Migration, Apoptosis and Contraction”
◆ Ad hoc Reviewer, Center For Scientific Review Special Emphasis Panel, Fellowships: Physiology and Pathobiology of Organ Systems—Cardiovascular, Pulmonary and Hematology, NIH, ZRG1 F31-H (21)

James Klinger, M.D.

HONORS AND AWARDS
◆ Elected Vice-chair of the ACCP pulmonary vascular disease network
◆ Co-chair postgraduate course on pulmonary hypertension, ATS International meeting, San Diego, CA
◆ Co-chair ATS symposium on right ventricular function, ATS International meeting, San Diego, CA

INVITED PRESENTATIONS
◆ Keynote speaker, 3rd annual pulmonary hypertension and advanced lung disease conference, Northshore University Hospital, Long Island, NY
◆ Dartmouth-Hitchcock Medical Center, Cardiology Division, Hanover, NH

Mitchell Levy, M.D.

HONORS AND AWARDS
◆ Top Doctors of Rhode Island, (Critical Care) Rhode Island Monthly, 2006
◆ Elected to Best Doctors in America: specialists considered by peers to be in the top 5% of physicians; accredited by the Accreditation Council for Continuing Medical Education (ACCME®), 2007–2008.

INVITED PRESENTATIONS
◆ 20th ESICM (European Society Intensive Care Medicine) Annual Congress, Oct 2007, Berlin, Germany
◆ 14th Annual National Conference of Indian Society of Critical Care Medicine, February 2008, Bhopal, INDIA.
◆ 13th International Symposium on Infections in the Critically Ill Patient, February 2008, Athens, GREECE.
◆ 2008 Kern Visiting Professorship in Critical Care and Glen Duffie Memorial Lecture: Distinguished Visiting Professor, April 2008, Portland OR.
◆ XIII Brazilian Congress of Intensive Care Medicine, May 2008, Salvador, Bahia, BRAZIL.
◆ ATS 2008 International Conference (invited speaker), May 2008, Toronto, Canada.
◆ Fifth International Sepsis Forum (invited speaker), June 2008, Sao Paulo Brazil
◆ ESICM 21st Annual Congress (invited speaker), Sep 2008, Lisbon Portugal
3rd Congress of Critical Care Medicine of China, May 2009, Harbin, China

Scholarly Activities
- President, Society of Critical Care Medicine, 2009.
- Manuscript Reviewer:
  - New England Journal of Medicine
  - Journal of the American Medical Association
  - American Journal of Respiratory & Critical Care Medicine
  - Critical Care Medicine
  - CHEST
  - Journal of Critical Care
  - Intensive Care Medicine

Qing Lu, Ph.D., D.V.M.

**Invited Presentations**
- "Receptor characterization of adenosine-mediated protection against pulmonary edema" at American Thoracic Society 104th International Conference, Toronto, Canada
- "Pentostatin enhances endothelial baseline barrier function through Rac-1 activation" at American Thoracic Society 105th International Conference, San Diego, CA

**Scholarly Activities**
- Member, American Heart Association Northeast Consortium 1B Peer Review Committee
- Member, American Heart Association REGION I Molecular Signaling 2 Study Group Peer Review Committee
- Member, American Heart Association Region I Molecular Signaling Peer Review committee
- Grant Reviewer for National Priorities Research Program, Qatar National Research Fund

F. Dennis McCool, M.D.

**Honors and Awards**
- Editor-in-Chief, LUNG

**Invited Presentations**
- "Emerging Concepts in Clinical Cough" Moderator, Second American Cough Conference, New York, NY
- "Diaphragm Ultrasound; Current and Future Applications" Pulmonary Research Seminar, St Elizabeth’s Medical Center, Boston, MA
- "Non-Invasive Measures of Ventilation" Research Seminar, Ventura, CA

**Scholarly Activities**
- Faculty, Second American Cough Conference, New York, New York
- Department of Medicine Promotion Committee, The Alpert Medical School of Brown University
- Admissions Committee, The Alpert Medical School of Brown University

Richard Millman, M.D.

**Invited Presentations**
- Visiting Professor, Sleep Symposium at Simmons College, Boston, MA
- "A Practical Approach to Insomnia" Grand Rounds at Lankenau Hospital, Philadelphia, PA
- "Pro/Con: Should You Treat Mild Sleep Apnea" at Northeast Sleep Society 23rd Annual Conference, Newton, MA

Linda Nici, M.D.

**Honors and Awards**
- Chair, Pulmonary Rehabilitation Assembly of the American Thoracic Society and Member, ATS Board of Directors
- Elected recipient of the Career Achievement Award of the 6th Québec International Symposium on Cardiopulmonary Prevention / Rehabilitation, Montreal, Canada

**Invited Presentations**
- "Exercise and Pulmonary Rehabilitation” Clinical Year in Review at American Thoracic Society International Conference, Toronto, Canada
- Visiting Professor: International Meeting of Cardiopulmonary Rehabilitation; National Institute of Respiratory Disease (INER), Mexico City, Mexico
- Chair: ATS Workshop “The Integrated Care of the COPD Patient” at American Thoracic Society International Conference, San Diego, CA

**Scholarly Activities**
- International Advisory Board, CIRO Horn Centre for Rehabilitation for Patients with Chronic Organ Failure, Maastricht, The Netherlands

Sharon Rounds, M.D.

**Honors and Awards**
- Scientific Achievement Award, American Thoracic Society
- Listed in Best Doctors in America
- Editorial Board: American Journal of Respiratory and Critical Care Medicine
INVITED PRESENTATIONS

- Visiting Professor, University of South Alabama, Lung Biology Center, Mobile, AL
- Inkley Lecturer and Visiting Professor, Case Western Reserve University, Cleveland, OH

SCHOLARLY ACTIVITIES

- NIH:
  - Member, Special Emphasis Panel on T35 Training Grants, NHLBI
  - Member, Special Emphasis Panel on Sickle Cell Disease Grants, NHLBI
  - 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 Member, Special Emphasis Panel for Program Project Grant
- American Thoracic Society:
  - Vice-Chair, Scientific Advisory Committee
  - Chair, Scientific Advisory Committee
- University of California: Member, Study Section, Tobacco-Related Disease Research Program

Katherine Sharkey, M.D., Ph.D.

INVITED PRESENTATIONS

- “Timing is Everything: Applying Circadian Rhythms Science to Duty Hour Requirements in Medical Training” at National Institutes of Health Clinical Center Grand Rounds, Bethesda, M.D.

Eleanor Summerhill, M.D.

INVITED PRESENTATIONS

- “Disaster Preparedness and Training in the ICU” at American College of Chest Physicians, Philadelphia, PA
- “Outcome-Based Delivery of Critical Care: Facing the Challenge” at American College of Chest Physicians, Philadelphia, PA
- “COPD Management”. Moderator, poster session at American College of Chest Physicians, Philadelphia, PA

SCHOLARLY ACTIVITIES

- Primary Investigator, “Pulmonary and Critical Care Physician Preparedness for Disaster: A Survey of the ACCP Membership.” Sponsored by the American College of Chest Physicians.
- Site Primary Investigator, “Improving Quality of Care for Elderly Patients in the Educational Setting.” Sponsored by the ABIM Foundation and the Josiah Macy, Jr. Foundation.

Nicholas Ward, M.D.

HONORS AND AWARDS

- Society of Critical Care Medicine
  - International Congress Program Committee Presidential Citation for Outstanding Contributions
  - International Congress Committee, Co-Chairman
- Elected Fellow of the American College of Critical Care Medicine

INVITED PRESENTATIONS

- “Spirituality in the ICU” at Society of Critical Care Medicine 37th Critical Care Congress, speaker, Moderator, Oral abstract session, “Epidemiology and Outcomes”, Honolulu, HI
- “Optimal PEEP in ARDS: a fool’s errand.” At Society of Critical Care Medicine 38th Critical Care Congress, Nashville, TN
- “End-of-Life in the ICU” at Society of Critical Care Medicine 38th Critical Care Congress, for Adult Critical Care Refresher course, Nashville, TN

SELECTED PUBLICATIONS

Yaser Abu El-Sameed, M.D.


Muanned Abu-Hijleh, M.D.

# PULMONARY/Critical Care Medicine Fellowship Program

Nicholas Ward, M.D., *Program Director*
Jason Aliotta, M.D., *Associate Program Director*

## Current Fellows

<table>
<thead>
<tr>
<th>Fellow</th>
<th>Medical School</th>
<th>Residency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frankie Alvarado, M.D.</td>
<td>Universidad Autonoma De Guadalajara</td>
<td>San Juan VA Medical Center</td>
</tr>
<tr>
<td>Michael Blundin, M.D.</td>
<td>PA State University College of Medicine</td>
<td>Brown Alpert Medical School (RIH)</td>
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<tr>
<td>Brian Casserly, M.D.</td>
<td>University College Dublin</td>
<td>Tufts New England Medical Center</td>
</tr>
<tr>
<td>Sam Faradyan, M.D.</td>
<td>George Washington University</td>
<td>St. Elizabeth Medical Center</td>
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<tr>
<td>Vadim Fayngersh, M.D.</td>
<td>Ben Gurion University</td>
<td>Brown Alpert Medical School (RIH)</td>
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<tr>
<td>Eric Gartman, M.D.</td>
<td>University of Rochester</td>
<td>Brown Alpert Medical School (RIH)</td>
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<tr>
<td>Theresa Glidden, M.D.</td>
<td>University of Massachusetts</td>
<td>University of Massachusetts</td>
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<tr>
<td>Sam Hamade, M.D.</td>
<td>Universidad Iberoamericana</td>
<td>SUNY Upstate Medical University</td>
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<tr>
<td>Brian Horner, D.O.</td>
<td>UM.D.NJ/School of Osteopathic Medicine</td>
<td>Temple University Hospital</td>
</tr>
<tr>
<td>Wee Lee, M.D.</td>
<td>University of Calgary</td>
<td>St. Vincent’s Hospital</td>
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<tr>
<td>Andrew Levinson, M.D.</td>
<td>Drexel University</td>
<td>Brown Alpert Medical School (RIH)</td>
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<tr>
<td>Douglas Martin, M.D.</td>
<td>University of Rochester</td>
<td>Brown Alpert Medical School (RIH)</td>
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<td>Jeffrey Mazer, M.D.</td>
<td>Tufts University</td>
<td>Brown Alpert Medical School (RIH)</td>
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<tr>
<td>Nureain Mirza, M.D.</td>
<td>Dow Medical College</td>
<td>St. Barnabas Hospital</td>
</tr>
<tr>
<td>Napoleon Puente Cuellar, M.D.</td>
<td>Universidad Dr. Jose Matias Delgado</td>
<td>Roger Williams Medical Center</td>
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<tr>
<td>Richard Read, M.D.</td>
<td>McGill University</td>
<td>McGill University</td>
</tr>
<tr>
<td>Frederick Troncales, M.D.</td>
<td>University of Santo Tomas</td>
<td>Brown Alpert Medical School (MEM)</td>
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## Graduating Fellows

### 2009 Graduates

<table>
<thead>
<tr>
<th>Fellow</th>
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<tbody>
<tr>
<td>Vadim Fayngersh, M.D.</td>
<td>Private practice, Denver, CO</td>
</tr>
<tr>
<td>Jeffrey Mazer, M.D.</td>
<td>Academic position at Miriam Hospital</td>
</tr>
<tr>
<td>Nureain Mirza, M.D.</td>
<td>Private practice, Chicago, IL</td>
</tr>
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</table>

### 2008 Graduates

<table>
<thead>
<tr>
<th>Fellow</th>
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<tbody>
<tr>
<td>Brian Casserly, M.D.</td>
<td>Academic position at Memorial Hospital of RI</td>
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<tr>
<td>Sam Faradyan, M.D.</td>
<td>Private practice, New Hartford, NY</td>
</tr>
<tr>
<td>Theresa Glidden, M.D.</td>
<td>Private practice, Milford, MA</td>
</tr>
<tr>
<td>Brian Horner, M.D.</td>
<td>Private practice, Charlotte, NC</td>
</tr>
</tbody>
</table>
SELECTED PUBLICATIONS CONTINUED

Jason Aliotta, M.D.

Sidney Braman, M.D.

E. Jane Carter, M.D.

Elizabeth Harrington, Ph.D.

Matthew Jankowich, M.D.

James Klinger, M.D.

Mitchell M. Levy, M.D.
Qing Lu, Ph.D., D.V.M.

F. Dennis McCool, M.D.
- McCool, F.D. Cough, Basic Science, and the Clinician. LUNG 2008; 186(2): 73–4

Richard Millman, M.D.

Linda Nici, M.D.
- Nici L. The major limitation to exercise performance in COPD is inadequate energy supply to the respiratory and locomotor muscles vs. lower limb muscle dysfunction vs. dynamic hyperinflation. Difficulties in determining the primary physiological abnormality that limits exercise performance in COPD. J Appl Physiol 2008; 105(2):760–1.

Sharon Rounds, M.D.

Katherine Sharkey, M.D., Ph.D.

Eleanor Summerhill, M.D.

Nicholas S. Ward, M.D.
SELECTED BASIC RESEARCH

Jason Aliotta, M.D.
- Injured Lung and its Influence on Bone Marrow Cell Phenotype, National Heart, Lung, and Blood Institute

Gaurav Chaudhary, M.D.
- Role of C-Type Natriuretic Peptide in Pulmonary Vascular Function, Department of Veteran Affairs

Elizabeth Harrington, Ph.D.
- Endothelial Barrier Function Modulation by PKCDELTA, National Heart, Lung, and Blood Institute
- P190RhoGAP and PKC: Investigating Their Role in Endothelial Barrier Function, American Heart Association
- Signaling Mechanisms Regulating Hypoxic Pulmonary Microvascular Endothelium, Department of Veteran Affairs

James Klinger, M.D.
- Natriuretic Peptides in Pulmonary Endothelial Cell Barrier Function, National Heart, Lung, and Blood Institute
- Natriuretic Peptides in Pulmonary Endothelial Cell Barrier Function (ARRA Supplement), National Heart, Lung, and Blood Institute
- The Role of Natriuretic Peptide in Right Ventricular Hypertrophy, American Heart Association

Qing Lu, Ph.D., D.V.M.
- TGFbeta1 and Pulmonary Arterial Hypertension, American Thoracic Society/Pulmonary Hypertension Association

Sharon Rounds, M.D.
- Small GPTASES and Lung Endothelial Apoptosis, National Heart, Lung, and Blood Institute
- Short-Term Training Program to Increase Diversity in Health Related Research, National Heart, Lung, and Blood Institute
- RhoA GTPase Methylation and Vascular Permeability, National Institutes of Health
- Lung Endothelial Cell Apoptosis and Emphysema, Department of Veteran Affairs

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<table>
<thead>
<tr>
<th>RESEARCH</th>
<th>Direct</th>
<th>Indirect</th>
<th>Total</th>
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<tr>
<td>BASIC RESEARCH</td>
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<tr>
<td>Academic Year 2008</td>
<td>$641,341</td>
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<td>Academic Year 2009</td>
<td>$521,200</td>
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<tr>
<td>CLINICAL RESEARCH</td>
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<td>Academic Year 2008</td>
<td>$1,003,288</td>
<td>$216,791</td>
<td>$1,220,080</td>
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<tr>
<td>Academic Year 2009</td>
<td>$579,411</td>
<td>$127,536</td>
<td>$940,778</td>
</tr>
</tbody>
</table>
The Division of Rheumatology has continued its mission of patient care, Fellowship training, resident teaching and clinical research during this period of time. The Division has graduated its first Fellow, Dr. Jill McClory, who finished her training on June 30, 2009. She has successfully completed her Rheumatology Fellowship and is currently in private practice in North Carolina. Dr. Samuel Poon is the current second year Fellow in our Program. Dr. Elisabeth Matson has begun her Fellowship as of July 1, 2009. She joins the program after completing her internal medicine residency at the University of Massachusetts in Worcester, MA. Dr. Kerri Batra has continued her clinical activity at 2 Dudley Street as well as at her Plain Street office and at Women & Infants Hospital, where she is working one half day a month in the maternal/fetal medicine clinic. She has matured her activities at both of these sites and has established her reputation in these areas. Dr. Batra has also continued to lead the Fellowship Research effort and oversees the Research Conferences that occur on a monthly basis. Furthermore, she has begun to reorganize the continuity clinic for the fellows in the APC clinic.

Dr. Schwartz has continued to be the Course Director for the Supporting Structure course at Brown. This is the second year pathophysiology course that encompasses Rheumatology, Orthopedic Surgery and Dermatology. Dr. Schwartz has performed at the highest levels at organizing and administering this course to the second year medical students.

The Division of Rheumatology is also engaged in research activities. Dr. Batra has enrolled our Division in the CORRONA database which is a large cohort of patients with rheumatoid arthritis that are followed on a national basis. Dr. Schwartz has continued with the PRECISION trial which is looking at cardio vascular risk factors for patients receiving non-steroidal anti-inflammatory medications. Dr. Lally has been conducting a clinical trial in scleroderma using a tyrosine kinase inhibitor Dasatinib to treat interstitial lung disease in the setting of scleroderma. Also, ongoing, in collaboration with Dr. Loran Fast is a study looking at synovial serum and synovial fluid in patients with rheumatoid arthritis to measure the serine protease, granzyme B. Currently, grant applications for further research in this area are being submitted.

**Facility Members**

**Full-Time Faculty**
(Hospital and Foundation Based)

**Professor**
Edward V. Lally, M.D.

**Associate Professors**
Stuart Schwartz, M.D.

**Assistant Professors**
Kerri Batra, M.D.

**Clinical Faculty**
(Hospital and Foundation Based)

**Assistant Professors**
Iulia Grillo, M.D.

**Volunteer Clinical Faculty**

**Associate Professors**
Harold Horwitz, M.D.
Stuart Schwartz, M.D.

**Assistant Professors**
John M. Conti, M.D.

**Adjunct Faculty**
Clinton O. Chichester, Ph.D.
Harold A. Hall, M.D.
Bernard Zimmermann, M.D.
SELECTED HONORS AND SCHOLARLY WORK

Edward V. Lally, M.D.

HONORS AND AWARDS
◆ Sub-chair American College of Rheumatology Annual Meeting Planning Committee 2007–2009
◆ Abstracts Selection Committee Annual European Congress of Rheumatology Meeting, Barcelona, June 2007
◆ Abstract Selection Committee Annual European Congress of Rheumatology Meeting, Paris, June 2008

INVITED PRESENTATIONS
◆ Guest Speaker “Male Scleroderma”. Presented to Annual Scleroderma Foundation Meeting, St. Louis, MO, July 18, 2009.

RHEUMATOLOGY FELLOWSHIP PROGRAM

Elisabeth Matson, D.O.
◆ Rheumatology Fellowship Training Program
July 1, 2009 – June 30, 2011
Medical School: University of NE College of Osteopathic Medicine
Residency Program: University of Massachusetts, Richard Foster, M.D.

Jill McClory, M.D.
◆ Rheumatology Fellowship Training Program
July 1, 2007 – June 30, 2009
Medical School: American University of the Caribbean
Residency Program: Roger Williams Medical Center
Dr. McClory has entered into private practices as of July 1, 2009 in North Carolina.

Samuel Poon, M.D.
◆ Rheumatology Fellowship Training Program:
Medical School: Mount Sinai School of Medicine
Residency: Rhode Island Hospital Internal Medicine Residency Program

SELECTED PUBLICATIONS

Kerri Batra, M.D.

Edward Lally, M.D.

<table>
<thead>
<tr>
<th>RESEARCH</th>
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<td>Academic Year 2009</td>
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</table>
The Department of Medicine at Memorial Hospital of Rhode Island (MHRI) continues to be a productive contributor to the academic mission of the Brown Department of Medicine. It comprises nearly 40 full-time academic faculty members populating nine subspecialty Divisions: Cardiology, Dermatology, Endocrinology, Rheumatology, General Internal Medicine, Hematology/Oncology, Infectious Diseases, Neurology, and Pulmonary/Critical Care. Two other subspecialty divisions, Gastroenterology and Nephrology are populated by voluntary, community-based faculty members. In all, there are nearly 130 community-based, voluntary clinical faculty members within the Department at MHRI, including a large cadre of primary care internists. The composition and collaborative nature of the Department ensures outstanding clinical care, valuable educational experiences for medical students, residents, and fellows, and a fertile environment for academic and community-based research at MHRI.

The aforementioned “richness” of the Department of Medicine at MHRI serves to promote its tripartite mission of cutting-edge, community-based medical research; outstanding medical education; and excellent clinical services to our large, diverse community. From a clinical perspective, the Department has many strengths. These include a nationally recognized primary stroke center that has recently received the “Gold” award from the American Heart Association; a completely revamped and expanded Division of Cardiovascular Medicine with programs focusing on prevention, risk reduction, advanced heart disease, vascular disease, and other areas of great need in our community; advanced procedural capabilities in gastroenterology such as balloon enteroscopy (allowing for endoscopic visualization of the entire small bowel) and endoscopic ultrasound; a sports concussion program; an intensive care unit service staffed by trained intensivists 24 hours per day, seven days per week; and a primary care network extending from southeastern MA to Pawtucket, RI. 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, antibiotic-resistant pathogens, biomedical engineering solutions to diagnostic dilemmas, sepsis, bioterrorism, influenza, and other emerging infectious threats. Much of this work involves collaborations 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 MHRI 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, and it continues to provide a fertile environment for basic and clinical research, community and public health, and clinical education. Scholarly activities among the Department’s faculty members extend to a variety of other arenas: they edit medical journals; serve on journal editorial advisory boards; direct initiatives of their subspecialty societies on a national and regional basis; edit medical textbooks; publish extensively in the peer-reviewed literature; and develop curricula for medical education. Additionally, they serve in leadership roles on state, regional, national, and international medical advisory bodies.

From a teaching standpoint, the Department of Medicine at MHRI serves as an important site for Brown medical student core clinical clerkships in internal medicine and is committed to excellence in medical
education, as evidenced by the fact that numerous academic faculty members have been recognized with Chairman’s Awards for outstanding teaching and numerous clinical faculty have been recognized with teaching excellence awards from Brown. MHRI 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 Department also serves as a training site for Brown fellows in infectious diseases, pulmonary, and hematology-oncology. 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. Towards these ends, the Department has developed a series of ongoing initiatives: a curriculum in professionalism; a program in professional development for faculty members; the implementation of a quality and safety program in which residents team with faculty mentors for performance improvement research projects; a monthly faculty exchange with senior faculty from Rhode Island Hospital; and a visiting professor series.

FACULTY MEMBERS

Full-time Faculty
(Hospital Based)

PROFESSORS
Andrew Artenstein, M.D.
Dennis McCool, M.D.
Steve Opal, M.D.

ASSOCIATE PROFESSORS
Vera De Palo, M.D.
Joseph Diaz, M.D.
Paul Levinson, M.D.
Marguerite Neill, M.D.
Eleanor Summerhill, M.D.

ASSISTANT PROFESSORS
Jennifer Clarke, M.D.
Humera Khurshid, M.D.
Aurora Pop-Vicas, M.D.

Clinical Faculty
(Hospital Based)

ASSISTANT PROFESSORS
Ali Akhtar, M.D.
Karen Aspry, M.D.
Bashar Bash, M.D.
Robert Burroughs, M.D.
Brian Casserly, M.D.
Shiavax Cowasji, M.D.
Ghassan Elkadi, M.D.
Iulia Grillo, M.D.
Husam Issa, M.D.
Joseph Rabatin, M.D.
Iole Ribizzi-Akhtar, M.D.
Adrian Salmon, M.D.
Kurush Setna, M.D.
Anthony Thomas, M.D.
Patrick Weyer, M.D.
Sabrina Witherby, M.D.
Joe Yammine, M.D.

Emeritus Faculty
James Crowley, M.D.
H. Denman Scott, M.D.
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, and Satish Sharma, M.D., is Director of Specialty and Acute Care Service for the VA New England Healthcare System (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 employ 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. At the VA, the Medical Service is also responsible for Neurology, Dermatology, and Emergency Department services, with physician staff with Brown faculty appointments in Neurology and Dermatology. The Medical Service at the VA includes 42 physician faculty plus nurse practitioners and other ancillary personnel and support staff.

The Medical Service at the Providence VA Medical Center is responsible for all inpatient care and for medical subspecialty clinics. Covering inpatients, 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 and two nurse practitioners. In 2008–09 there were 2176 admissions to the Medical Service.

The Medical Service at the Providence VA Medical Center is also responsible for all medical subspecialty, dementia, and cardiology outpatient clinics, with 32,604 visits to clinics in 2008–09. An important recent initiative has been “Advanced Clinic Access”, a management tool whereby clinics meet the VA goals of New Patient and Established Patient appointments within 30 days of the requested date. These goals have been achieved in medical subspecialty and primary care clinics. The medical subspecialties have developed innovative clinics that utilize groups of patients and multidisciplinary care teams, such as CPAP Clinic and the Cardiovascular Risk Reduction Clinics. Published and ongoing research from the Medical Service at the Providence VAMC has demonstrated efficacy and enhanced patient adherence to complex treatment regimens among patients attending these 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, dieticians 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 17 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 as a primary continuity clinic site for interns from the RIH/Miriam/VA program and the MHRI internal medicine residency programs. There are also several ongoing research projects within Primary Care, including the returning veterans re-integration study, the project to reduce ambulatory care sensitive admissions, and the homeless veteran outreach and treatment engagement study.
The Medical and Primary Care Services at the VA hold a Continuing Medical Education program entitled “Update in Internal Medicine” (or “First Friday conference”) with outstanding speakers from both within and outside the Department of Medicine who provide clinical updates on a variety of topics important to internists. On the “Third Friday” of each month, the Medical Service has a Morbidity and Mortality Conference, also of great interest and importance to the medical staff, students, and trainees.

Other on-going educational activities include a full complement of internal medicine noon house staff conferences, including the very popular Journal Club (led by Paul Pirraglia) and Health Policy Seminars (led by Amal Trivedi). In addition, the Cardiology Section provides popular weekly EKG reading sessions for residents.

Providence VAMC faculty members play important roles in Brown medical student education, particularly in the second year Pathophysiology course. Andrew Cohen leads the Nephrology section, Matthew Jankowich and Brian Kimble lead the Pulmonary/Critical Care section, and Wen-Chih Wu leads the Cardiology section. Dr. Amos Charles leads the VA site for the third year clerkship.

The Providence VA Medical and Primary Care Services train residents in Internal Medicine, Neurology, Psychiatry and Human Behavior, and Dermatology and fellows in cardiology, endocrinology, gastroenterology, infectious diseases, nephrology, pulmonary/critical care, and rheumatology. In addition, PVAMC faculty members are active in mentoring graduate students, Ph.D. post-doctoral fellows, and medical students and residents on research electives.

The Providence VAMC is building a new research site for the VA/Brown Center for Restorative and Regenerative Medicine, which includes VA Medical Service faculty. This building will add 23,500 square feet of research space at a cost of $6 million to Brown research space resources. In addition, an addition of 1860 square feet has been approved for the Research Building (currently 5000 square feet). These additions to VA research space will include Department of Medicine investigators.

The VA Department of Medicine faculty members excel in interdisciplinary research. In the basic science area, the Vascular Research Laboratory has 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 Gaurav Choudhary, Beth Harrington, Jim Klinger, Qing Lu, and Sharon Rounds. Another important area of research excellence is health services research, led by the VA Research Enhancement and Award Program (REAP) grant investigators. The REAP is a VA Health Services Research & Development-funded program to train junior investigators and to foster research collaboration. Peter Friedmann, Wen-Chih (Hank) Wu, Paul Pirraglia, and colleagues in Psychiatry and Behavioral Medicine have done an outstanding job building a health services research program. Another key area of research is Gastroenterology, in conjunction with other Brown faculty colleagues. Clinical trials research is outstanding with Dermatology leading the way with multiple VA and NIH-sponsored multicenter clinical trials. Neurology research has grown exponentially with PVAMC leadership of a VA multicenter trial of robotics in MS rehabilitation, participation in the Brown “Braingate” project, and as an important site of other multicenter trials in rehabilitation.

**FACULTY MEMBERS**

**Full-Time Faculty**

**(Hospital Based)**

**Professors**
- Andrew Cohen, M.D.
- Peter Friedmann, M.D.
- Sharon Rounds, M.D.
- Satish Sharma, M.D.
- Martin A. Weinstock, M.D., Ph.D.

**Associate Professors**
- Elizabeth Harrington, Ph.D.
- Thomas P. O’Toole, M.D.

**Assistant Professors**
- Gaurav Choudhary, M.D.
- David Dosa, M.D.
- Melissa Gaitanis, M.D.
- Matthew Jankowich, M.D.
- Albert Lo, M.D., Ph.D.
- Qing Lu, D.V.M., Ph.D.
- Paul A. Pirraglia, M.D.
- Kittichai Promrat, M.D.
- Amal Trivedi, M.D.
- Wen-Chih, Wu, M.D.

**Instructors**
- Victor Shin, M.D.
- Jeanette Smith, M.D.
Clinical Faculty (Hospital Based)

PROFESSORS
Linda Nici, M.D.

ASSOCIATE PROFESSORS
Amos Charles, M.D.
David Fortunato, M.D.
Nancy Freeman, M.D.
Dennis Mikolich, M.D.
Khaja Ahmed, M.D.

ASSISTANT PROFESSORS
Tanya Ali, M.D.
Jeffrey Austerlitz, M.D.
Jacob Berger, M.D.
Dawna Blake, M.D.
Nancy Burnside
Joyce Chang, M.D.
Victoria Chang, M.D.
Patricia Cristofaro, M.D.
Wilfredo Curioso, M.D.
Guang Hu, M.D.
Brian Kimble, M.D.
Stephen Mernoff, M.D.
Paul Murphy, M.D.
John M. O’Connell, M.D.
David Pomerantz, M.D.
Michael Siclari, M.D.
Barbara Weil, M.D.
Karen Woolfall-Quin, M.D.

INSTRUCTORS
Thomas Jean, M.D.
Lorna Russell, M.D.
Parviz Shavandy, M.D.
Hatem Shoukeir, M.D.

ADJUNCT FACULTY
Harald Hall, M.D.
Bernard Zimmermann, M.D.

SELECTED HONORS AND SCHOLARLY WORK

Gaurav Choudhary, M.D.

HONORS AND AWARDS
- 2008 Northwestern University Young Investigators’ Forum - Third Prize
- 2009 Member, AHA Peer Review Committee (Region I)

David Dosa, M.D.

HONORS AND AWARDS
- John H. Hartford Foundation Scholar

Elizabeth O. Harrington, Ph.D.

INVITED PRESENTATIONS
- Visiting Professor, “The Role of PKC in Endothelial Cell Function”, Committee on Molecular Medicine, University of Chicago, Chicago, IL, October 1, 2007.

INVITED PRESENTATIONS

- Visiting Professor, “The Role of PKC in Endothelial Cell Function”, Committee on Molecular Medicine, University of Chicago, Chicago, IL, October 1, 2007.

SCHOLARLY ACTIVITIES
- Associate Editor, Lung
- Member, Nomination Committee, Assembly on Pulmonary Circulation, American Thoracic Society, 2006–2008
- Member, Program Committee, Assembly on Pulmonary Circulation, American Thoracic Society, 2009–2010

Albert Lo, M.D., Ph.D.

INVITED PRESENTATIONS

◆ Randomized Study of Robot-Assisted Treadmill Training compared to body-weight supported treadmill training for multiple sclerosis. Burke Medical Research Institute, White Plains NY, March 17, 2009

Qing Lu, D.V.M., Ph.D.

INVITED PRESENTATIONS

SCHOLARLY ACTIVITIES
◆ Member, American Heart Association Northeast Consortium 1B Peer Review Committee, April, 2007
◆ Member, American Heart Association REGION I Molecular Signaling 1 Study Group Peer Review Committee, April, 2008, 2009
◆ Grant Reviewer for National Priorities Research Program, Qatar National Research Fund

Linda Nici, M.D.

HONORS AND AWARDS
◆ Elected recipient of the Career Achievement Award of the 6th Québec International Symposium on Cardiopulmonary Prevention / Rehabilitation. Montreal; 2009.

INVITED PRESENTATIONS
◆ Speaker, “Exercise and Pulmonary Rehabilitation” Clinical Year in Review; ATS International Conference, Toronto, May 2008
◆ Visiting Professor, International Meeting of Cardiopulmonary Rehabilitation; National Institute of Respiratory Disease (INER), Mexico City, Mexico; July 2008
◆ Chair: ATS Workshop “The Integrated Care of the COPD Patient”; American Thoracic Society International Conference; 2009

THOMAS P. O’TOOLE, M.D.

HONORS AND AWARDS
◆ 2008 Hospital Association of Rhode Island (HARI) Providence VA Medical Center Excellence in Hospital Care award
◆ 2008 Rhode Island Disabled American Veterans Physician of the Year award

INVITED PRESENTATIONS
◆ 2008 Department of Health and Human Services Expert Panel “Medical Respite Care for the Homeless” (HHS Washington DC roundtable, March, 2008)
◆ AOA Visiting Professorship, University of Puerto Rico School of Medicine, “When poverty and health care meet: making the call for medical professionalism” May 1 & 2, 2007
◆ Keynote speaker, 2nd annual CSL conference, UT Health Sciences Center, San Antonio, TX, “Medicine for the New Millennium. The role of community, service and advocacy” April 2, 2009

SCHOLARLY ACTIVITIES
◆ Institute on Medicine as a Profession Physician Advocacy initiative 7/1/08–6/30/11 $825,000
◆ Institute on Medicine as a Profession at Columbia University
◆ National Program Co-Director: Thomas P. O’Toole, M.D.

PAUL A. PIRraglia, M.D.

SCHOLARLY ACTIVITIES
◆ President, New England Region, Society of General Internal Medicine
Kittichai Promrat, M.D.

**INVITED PRESENTATIONS**
- GI Grand Rounds, Emory University: Treatment of Nonalcoholic Steatohepatitis (NASH), March 2008
- Research Seminar: Weight reduction in Nonalcoholic Steatohepatitis, Liver Diseases Branch, NIDDK, National Institutes of Health, July 2008
- Co-moderator, AASLD Clinical Symposium, “Approaches to Weight Loss in NASH: When and How Aggressive?” Digestive Diseases Week, June 2009

**SCHOLARLY ACTIVITIES**
- Member, Review Panel Committee: The Dr. George A. Bray Research Scholars Award Fund 2008
- Member, NIDDK Safety Monitoring Committee, 1-R01-DK-068598-01A1
- GI clinical champion, National VA Colorectal Cancer Care Collaborative

Sharon Rounds, M.D.

**HONORS AND AWARDS**
- Scientific Achievement Award, American Thoracic Society, 2009

**INVITED PRESENTATIONS**
- Visiting Professor, University of South Alabama, Lung Biology Center, March, 2008
- Inkley Lecturer and Visiting Professor, Case Western Reserve University, March, 2009

**SCHOLARLY ACTIVITIES**
- Chair, Special Emphasis Panel on T35 Training Grants, NHLBI, July, 2009
- Member, Special Emphasis Panel on Sickle Cell Disease Grants, NHLBI, September, 2007
- Member, Data Safety Monitoring Board of Pulmonary Fibrosis Network, NHLBI, 2005–Present
- Member, NHLBI Institutional Training Mechanism Review Committee, 2007–Present
- Member, Data Safety Monitoring Board of Specialized Centers for Clinically Oriented Research (SCCOR), NHLBI, 2007–Present
- Ad hoc Member, Special Emphasis Panel for Program Project Grant, 2009
- Vice-Chair and Chair, Scientific Advisory Committee, 2007–Present.
- Member, Study Section, Tobacco-Related Disease Research Program, University of California, 2007–2009

Amal Trivedi, M.D.

**HONORS AND AWARDS**
- 2007 Milton Hamolsky Faculty Award (Given to highest rated abstract by a faculty member at 2007 Society of General Internal Medicine Annual Meeting
- 2008 Pfizer Health Policy Scholars Award
- 2008 VA Health Services Research and Development Career Development Awardee
- 2009 Robert Wood Johnson VA Faculty Scholars Program
- 2009 Most Outstanding Abstract, AcademyHealth Annual Research Meeting (Given to three highest rated scientific abstracts of 1900 submitted to meeting)
- 2009 AcademyHealth Article of the Year Award

Martin A. Weinstock, M.D., Ph.D.

**INVITED PRESENTATIONS**
- 7th International Conference on the Adjuvant Therapy of Malignant Melanoma and the 4th European Association of Dermatologic Oncology Congress, Marseille, France (Role of ultraviolet in the different types of melanoma), June 19, 2008
- Royal Society of Medicine, London, United Kingdom (Reducing deaths from melanoma), November 20, 2008
- Plenary Session, 12th World Congress on Cancers of the Skin, Tel Aviv, Israel (Melanoma Control), May 6, 2009

Wen-Chih Wu, M.D.

**INVITED PRESENTATIONS**
- “Dyslipidemia in the Elderly, is it too late to help?”, at 2009 Senior Symposium by the Connecticut Chapter of the American Society of Consultant Pharmacists, Ledyard, CT.

**SCHOLARLY ACTIVITIES**
- Study section member, VA HSR&D committee A, August 18–20, 2009, Denver, CO
- NIH Special Emphasis Panel/Scientific Review Group 2009/10 ZRG1 HDM-P (38) R
SELECTED PUBLICATIONS

Gaurav Choudhary, M.D.


David Dosa, M.D.


Elizabeth O. Harrington, Ph.D.


Matthew Jankowich, M.D.


Albert Lo, Ph.D., M.D.


Qing Lu, D.V.M., Ph.D.


Stephen T. Mernoff, M.D.


Linda Nici, M.D.

- Nici, L. The major limitation to exercise performance in COPD is inadequate energy supply to the respiratory and locomotor muscles vs. lower limb muscle dysfunction vs. dynamic hyperinflation. Difficulties in determining the primary physiological abnormality that limits exercise performance in COPD. J Appl Physiol. 2008; 105(2):760–1.
Thomas P. O’Toole, M.D.

Paul A. Pirraglia, M.D.

Kittichai Promrat, M.D.

Sharon Rounds, M.D.

Amal N. Trivedi, M.D., MPH

Martin A. Weinstock, M.D., Ph.D.

Wen-Chih Wu, M.D.
RESEARCH

Gaurav Choudhary, M.D.

BASIC
◆ 2008
Actelion Pharmaceuticals Young Investigator Award
Project: Role of Endothelin-Induced PKC delta
Activation in Right Ventricular Hypertrophy.
$75,000, Role: Principal Investigator
◆ 2007–2010
VA Career Development Award (VHA)
Project: Role of C-type Natriuretic Peptide in
Pulmonary Vascular Function.
$150,000, Role: Principal Investigator

David Dosa, M.D.

CLINICAL
◆ 07-1146, California Health Care Foundation
8/22/07–10/31/09
“Reducing Potentially Preventable Transfers
at the End of Life”
Role: Co-PI

Peter Friedmann, M.D.
◆ The “Center on Systems, Outcomes and Quality in
Chronic Disease & Rehabilitation (SOQCR)”, a VA
Research Enhancement Award Program (REAP) in
health services research and development (HSR&D)
directed by Dr. Peter Friedmann, was funded from
10/01/08–09/30/12, with a budget of $356,000 per year.

Elizabeth O. Harrington, Ph.D.

BASIC
◆ HL67795 (Harrington)
“Endothelial Barrier Function Modulation by PKCd”
NIH/ NHLBI
Period of Support: 8/2001–1/2012
Principal Investigator
Total costs: $2,935,750
◆ Merit Review (Harrington)
“Signaling in Hypoxic Pulmonary vs. Systemic
Endothelium”
Department of Veterans Affairs
Principal Investigator
Total costs: $450,000
◆ HL64936 (Rounds)
“Small GTPases and Lung Endothelial Apoptosis”
NIH/ NHLBI
Co-Investigator
Total costs: $3,048,000
◆ Merit Review (Rounds)
“RhoA GTPase Methylation and Vascular Permeability”
Department of Veterans Affairs
Co-Investigator
Total costs: $408,300
◆ Predoctoral Award (Owusu-Sarfo)
“p90RhoGAP and PKCdelta: Investigation of their
role in endothelial barrier function”
American Heart Association, Northeast Affiliate
Mentor
Total costs: $42,000
◆ 1 F32 HL091664-01A1 (Grinnell)
“PKCd Modulation of Pulmonary Endothelial Barrier
Function via SHP2 and Src”
NIH/ NHLBI
Mentor
Total costs: $147,750
◆ Career Development Award (Choudhary)
Role of C-type Natriuretic Peptide in Pulmonary
Vascular Function
Department of Veterans Affairs
Mentor
Total costs: $150,000

Albert Lo, Ph.D., M.D.
VA Cooperative Study : Stroke Rehabilitation Clinical
Trials Phase II/III in Robotic Neurorehabilitation. To be
completed January 2010
◆ VA Equipment grants, $100,000
◆ VA Career Development Award, 2006–2010

Qing Lu, D.V.M., Ph.D.

BASIC
◆ TGFb and Pulmonary Hypertension
ATS/Pulmonary Hypertension Association Research
Grant
Duration of Support: 2008–09
Total Direct Costs: $100,000
Role: Principal Investigator
Linda Nici, M.D.

CLINICAL

- A randomized, double-blind, double-dummy, parallel group trial comparing 12 weeks treatment with Tiotropium handihaler once daily to Combivent M.D.I 2 actuations q.i.d. in COPD patients currently prescribed Combivent M.D.I; Boerhinger-Ingelheim; 2006–2007, principle investigator.

- VA Cooperative trial CSP #560- Bronchitis and Emphysema Advice and Training to Reduce Hospitalization (BREATHE); 2008–2011. Site Investigator #650.

Thomas O’Toole, M.D.

- Engaging homeless veterans in primary care 10/01/09–9/30/13 $710,900
  VHA Health Services Research and Development Service
  PI: Thomas P. O’Toole, M.D.

- Reducing Ambulatory Sensitive Inpatient Admission 7/1/09–6/30/10 $25,000
  VISN 1 Innovation Grants Award
  PI: Thomas P. O’Toole, M.D.

- Institute on Medicine as a Profession Physician Advocacy initiative 7/1/08–6/30/11 $825,000
  Institute on Medicine as a Profession at Columbia University
  National Program Co-Director: Thomas P. O’Toole, M.D.

Paul A. Pirraglia, M.D.

CLINICAL

- PI: VISN1 Innovation Grant, 2009–2010

- Site PI: VA Health Services Research & Development, Partners in Dementia Care, 2006–2010

Kittichai Promrat, M.D.

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 Pegasy 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 80kg
  Role: Site principal investigator
  Sponsor: Hoffman-La Roche.
  5/1/07–

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 HL088992 “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: 6/1/07–3/31/12

- NHLBI T32 HL094300 “Cardiopulmonary Research Training” Effort: 10% Brown Effort
  Co-Training Director with Gideon Koren, M.D.
  Annual Direct Costs: $570,727
  Period of Support: 9/1/08–8/31/13

Amal N. Trivedi, M.D.

BASIC

- VA Health Services Research and Development, Comparing the Quality and Equity of Care in the VA and Medicare Managed Care, 10/08–9/13, Principal Investigator, $980,000
◆ Robert Wood Johnson Foundation SHARE Program, Evaluating the Implementation, Adoption and Outcomes of Rhode Island’s HealthPact Plans, 4/08–10/09, Co-Principal Investigator, $200,000
◆ Pfizer Foundation, Effect of Cost Sharing on Preventive Service Use and Health Outcomes among the Elderly, 7/07–6/09, Principal Investigator, $130,000

Martin A. Weinstock, M.D., Ph.D.

◆ 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, 6/16/04–5/31/09, $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.
◆ Transdisciplinary Cancer Control Research Training Grant. National Cancer Institute R25CA087972, 7/1/06–6/30/11, $2,458,852 direct, co-principal investigator.
◆ V A Keratinocyte Carcinoma Chemoprevention (VAKCC) Trial. Department of Veterans Affairs Cooperative Studies Program CSP # 562, 10/18/07–7/1/14 (end date approximate), $9,680,930 (excludes investigators’ salary and fringe), study chairman (principal investigator).

Wen-Chih Wu, M.D.

◆ 2006–2008 Daugherty Foundation “Multi-Targeted Cardiac Risk Intervention in Type 2 Diabetes” W. Wu, PI. $ 50,000 (10%).
◆ 2009–2010 VA HSR&D QUERI grant, “Variations in Quality of Care and Outcomes for Veterans with Heart Failure”, W. Wu, PI, Total Costs: $100,000
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, 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 at Brown University began collaborating with faculty from the Moi University School of Medicine in Eldoret, Kenya in 1977 as a medical exchange program to emphasize patient care, teaching and research in medicine. As part of this collaboration, in recognition of the devastating HIV epidemic sweeping across Africa, Moi, Indiana, Brown and other collaborating Universities developed the AMPATH (Academic Model for the Prevention and Treatment of HIV) Program. The AMPATH network has spread across western Kenya, now numbering 23 major treatment sites and a cumulative enrollment of over 100,000 persons living with AIDS. The pace of enrollment continues at 2,000 new patients per month. A model prevention strategy of community based HIV testing and TB screening was initiated in August of 2007. The AMPATH Program has built upon the original structure to improve primary care infrastructure (renamed the Academic Model Providing Access to Healthcare). It has evolved into a model of comprehensive care encompassing clinical care, social service, legal aid, food equity and economic empowerment programs. It has been cited by the WHO and UNAIDS and was nominated for the Nobel Peace Prize in 2007. Funding comes from philanthropic donations, PEPFAR, USAID as well as program-specific NGO grants.

Kenya is also one of the 22 high burden countries for tuberculosis, the major cause of mortality for persons living with AIDS. Brown faculty lead the TB efforts at Moi, developing innovative programs of active case finding, prevention and treatment including the only community based model for multidrug resistant TB in Kenya.

In the spring of 2009, the Riley Mother and Baby Hospital opened, anticipating 12,000 deliveries per year. The facility has a 50 bed neonatal unit and is the referral and training site for healthcare providers in obstetrics and neonatal care in western Kenya.

Brown faculty, residents and medical students regularly participate in month long rotations on the inpatient wards and ambulatory outpatient settings. During the rotations, they reside in the student hostel or in dedicated housing, a short walking distance from the medical center.

Federal and NGO funding has been secured by Brown faculty in the areas of TB diagnostics, active TB case finding, continually improving TB and HIV care, evaluation of HIV drug resistance, HIV related malignancies such as Kaposi’s sarcoma, lymphoma and cervical cancer screening. A Center of Excellence grant was recently awarded that will support a number of cardiopulmonary initiatives.

The Program Director is E. Jane Carter, M.D.

For information contact:
Jane Carter (e_jane_cater@brown.edu) or
Janet O’Connell (jvoconnell@lifespan.org)
CHENNAI, INDIA

Brown faculty, under the leadership of Drs. Kenneth Mayer, Charles Carpenter, Susan Cu-Uvin, Rami Kantor and Tim Flanigan, have collaborated with YRG Care in Chennai, India for over ten years. YRG Care is the largest community-based AIDS service organization in India and currently cares for more than 13,000 people living with HIV. YRG CARE is funded by the NIH to conduct therapeutic and prevention research trials through the HPTN and ACTG, and also has funding from NIDA to study substance use and the sexual risk taking, as well as the natural history of HIV. YRG CARE investigators have also been funded by the NIH to conduct basic laboratory studies, and to develop low-cost clinical monitoring schema (e.g. CD4 and plasma HIV RNA testing). YRG was the only Indian site for an NIMH study to assess the impact of training community opinion leaders to decrease HIV transmission, then, as a result, was able to set up a state-of-the-art molecular STD diagnostic laboratory. Opportunities to rotate on the inpatient HIV service, outpatient HIV clinics, and participate in clinical research projects are available. YRG CARE is a site for the NIH funded Fogarty International Clinical Research Scholar and Fellows Program, with the Miriam Hospital serving as the US collaborating site. http://www.fogartyscholars.org/fellows/sites/india-mayer

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. CMC is also a site for the NIH funded Fogarty International Clinical Research Scholar and Fellows Program. http://www.fogartyscholars.org/fellows/sites/india-tufts

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@lifespan.org)

ACCRA, GHANA

Brown faculty members under the leadership of Dr Awe Kwara have collaborated with colleagues at the University of Ghana Medical School and the Korle-Bu Teaching Hospital in Accra. Ongoing work has focused on the pharmacokinetics and pharmacogenetics of HIV therapy in TB co-infected patients, virologic responses to HAART in TB co-infected patients and evaluation of tuberculosis drug resistance. The Korle-Bu Teaching Hospital is a large tertiary center and the main teaching hospital for several schools under the College of Health Sciences. These include the schools of medicine, pharmacy, dental, nursing and allied health sciences. The University of Ghana College of Health Sciences and Brown University have been awarded a planning grant from Higher Education Development (HED)/USAID to plan a major initiative to twin the strengths of the universities to strengthen the response to HIV/AIDS in Ghana and West Africa. This initiative will develop excellence in HIV/AIDS education, continuous professional development and strengthen collaborative research between the two institutions. The Korle-Bu Teaching Hospital is also a collaborating site for the West African Network of Excellence for TB, AIDS and Malaria (WANETAM) clinical trials. In addition to collaborative research projects, there are opportunities for fellows, resident, medical students to rotate on the wards, inpatient and outpatient HIV and TB services.

For information on collaborative projects or clinical rotations please contact: Awewura Kwara (akwara@lifespan.org).
CAMBODIA

Brown medical school faculty have collaborated with physician researchers in Phnom Penh at Sihanouk Hospital Center of HOPE, the National Pediatric Hospital, and the National Center for HIV/AIDS, Dermatology and STD, and in Siem Reap at the Angkor Hospital for Children for over ten years. The NIH Fogarty AITRP 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:
Ken Mayer (kenneth_mayer@brown.edu)

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_uvin@lifespan.org)
Steve Opal (steven_opal@brown.edu)
Jake Kurtis (jonathan_kurtis@brown.edu)
Jennifer Friedman (Jennifer_friedman@brown.edu)

INDONESIA

The Fogarty AIDS program has supported faculty members from Indonesia since 1993. 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:
Kenneth 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:

Charles Carpenter (ccjc@lifespan.org)
Kenneth Mayer (kenneth_mayer@brown.edu)
Tim Flanigan (tflanigan@lifespan.org)
Susan Cu-Uvin (scu-uvin@lifespan.org)
Joseph Diaz (joseph_diaz@brown.edu)
Mike Stein (Michael_Stein@brown.edu)
Jake Kurtis (jonathan_kurtis@brown.edu)
Jane Carter (e_jane_carter@brown.edu)
Rami Kantor (rkantor@brown.edu)
Awewura Kwara (akwara@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 2007–2009, 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 13 medical students, 6 residents and 9 internal medicine faculty participated in the elective during these 2 years. 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.

Ten 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.

In the 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, Dr. Claudia Rodriguez, visited Brown’s HIV programs.

With support from the Department of Medicine, the HIV treatment program at Cabral y Baez, Clinica De Infeccados De Danos Inmunologico (CEDI) has grown steadily, and currently more than 1000 patients are being followed by CEDI. With the assistance of medical students George Aghia and Micah Johnson, CEDI has maintained an electronic database of all of its patients.

The plan for 2009–2010 is to continue sending Brown teams to Cabral for 2 months/year. Additional internal medicine faculty is being recruited to participate. We will continue to host four Cabral y Baez residents per year.
DEPARTMENT OF MEDICINE
SELECTED GRAND ROUNDS

09/18/07  "Umbilical Cord Blood Transplantation in Adults", Karen K. Ballen, M.D., Associate Professor of Medicine, Harvard Medical School

10/02/07  The Fourth Annual Paul Calabresi Memorial Lecture – "Advances in Our Understanding and Treatment of Prostate Cancer", Philip W. Kantoff, M.D., Professor of Medicine, Harvard Medical School

10/16/07  The Kameny Lecture – "Meeting the Challenge of Multi-Morbidity", Charles E. Boul, M.D., MPH, MBA, Professor and Director, Lipitz Center for Integrated Health Care, Department of Health Policy and Management, Bloomberg School of Public Health, Johns Hopkins University

11/20/07  "Fifty Years After Steroids: Advances in Rheumatoid Arthritis", Michael E. Weinblatt, M.D., John R. Riedman Professor of Medicine, Harvard Medical School

12/11/07  "The Rising Tide of Arterial Stiffness-Related Disorders", Gary F. Mitchell, M.D., President, Cardiovascular Engineering, Inc., Waltham, MA

01/08/08  "Antibiotic Stewardship", Neil O. Fishman, M.D., Associate Professor of Medicine, University of Pennsylvania School of Medicine

01/29/08  "The Patient-Centered Medical Home: A Potential Model for Health Care Redesign & Payment Reform", Michael S. Barr, M.D., MBA, FACP, Vice President, Practice Advocacy & Improvement, Division of Governmental Affairs & Public Policy, American College of Physicians

02/05/08  "Guilty, Afraid, and Alone: Patient, Family and Clinician Experiences with Medical Error", Tom Delbanco, M.D., Richard and Florence Koplow-James Tullis Professor of General Medicine and Primary Care, Harvard Medical School
03/11/08  “Why Do Hypertensive Kidneys Fail?”, Christopher S. Wilcox, M.D., Ph.D., George E. Schreiner Professor of Nephrology, Georgetown University

03/18/08  “Idiopathic Inflammatory Myopathy”, Chester V. Oddis, M.D., Professor of Medicine, University of Pittsburgh School of Medicine

04/01/08  “Cigarette Smoking and Progression of Type 2 Diabetic Nephropathy”, Donald E. Wesson, M.D., FACP, Vice Dean, Texas A&M University College of Medicine, Chief Academic Officer, Scott and White Clinic and Hospital, Temple, Texas

05/06/08  The Beckwith Visiting Professorship Lecture – “Top Stories in Infectious Disease 2007–2008”, Robert C. Moelling, Jr., M.D., Shields Warren-Mallinckrodt Professor of Medical Research, Harvard Medical School

Presentation of the 7th Annual Warren Alpert Medical School of Brown University, Department of Medicine Beckwith Family Awards for Outstanding Teaching

06/03/08  “Evidence Based Management of Aortic Valve Disease”, Robert O. Bonow, M.D., Goldberg Distinguished Professor of Cardiology, Northwestern University Feinberg School of Medicine

06/10/08  “The Anion Gap Metabolic Acidoses – Anything New?”, Michael Emmet, M.D., MACP, Chairman, Department of Internal Medicine, Baylor University Medical Center, Clinical Professor of Medicine, University of Texas Southwestern Medical Center

06/24/08  “High Altitude Medical Problems”, Lawrence C. Mohr, M.D., FACP, FCCP, Professor of Medicine, Biometry & Epidemiology, Medical University of South Carolina

07/29/08  “Creating the Culture of Quality in an Academic Department of Medicine”, Mark L. Zeidel, M.D., Chair, Department of Medicine, Beth Israel Deaconess Medical Center, Herrman L. Blumgart Professor of Medicine, Harvard Medical School

09/16/08  “Lung Transplantation – What Internists Should Know?”, Atul C. Mehta, M.B., B.S., Vice-Chairman, Department of Pulmonary & Critical Care Medicine, Head, Section of Bronchology, Medical Director, Lung Transplantation, Transplant Center, Cleveland Clinic Foundation

09/23/08  “TB, HIV and Extensively Resistant (XDR) TB: Triple Trouble”, Gerald H. Friedland, M.D., Professor of Medicine and Professor of Epidemiology and Public Health, Yale University School of Medicine

10/21/08  Hospital-Wide Grand Rounds – “Getting Hospital Infections to Zero and Other Possible Dreams”, Donald A. Goldmann, M.D., Professor of Pediatrics, Harvard Medical School, Professor of Immunology and Infectious Diseases, Harvard School of Public Health, Knowles Scholar, Harvard College

11/11/08  Experiences from Brown’s Sister Renal Center in China – “Nephrology in China: Experience from the Nanjing Research Institute of Nephrology”, Zhi-Hon Liu, M.D., Professor of Medicine, Nanjing University School of Medicine, P R China

“Multi-target Immuno-therapy of Severe Lupus Nephritis”, Lei-Shi Li, M.D., Vice Dean, Professor of Medicine, Nanjing University School of Medicine, P R China

10/18/08  “Update on SLE”, Michelle Petri, M.D., MPH, Professor of Medicine, Johns Hopkins University School of Medicine

01/27/09  The Kameny Lecture – “Listen to Your Patients: They Are Telling You How to Improve the Quality of Transitional Care”, Eric A. Coleman, M.D., MPH, Professor of Medicine with Tenure, Divisions of Health Care Policy and Research, and Geriatric Medicine, University of Colorado at Denver Health Sciences Center
03/03/09  “Advances in CLL”, Kanti R. Rai, M.D., Professor of Medicine, Albert Einstein College of Medicine

03/17/09  “Ending the AIDS Epidemic: The search for an AIDS vaccine”, Seth E. Berkley, M.D., Adjunct Professor of Medicine, The Warren Alpert Medical School of Brown University and New York University, Adjunct Professor of Public Health, Columbia University

03/24/09  “The Medicine in Seinfeld: An Evidence Based Appraisal”, Mark S. Lachs, M.D., MPH, Irene F. and I. Roy Psaty Distinguished Professor of Medicine, Professor of Medicine (with tenure), Weill Medical College of Cornell University

03/31/09  General Internal Medicine Update – “Long-term Opioid Use in Chronic Non-malignant Pain”, Michael S. Picchioni, M.D., Assistant Professor of Medicine, Tufts University School of Medicine

05/05/09  The Beckwith Visiting Professorship Lecture – “Consequences (Expected and Otherwise) of the Quality and IT Revolutions”, Robert M. Wachter, M.D., Lynne and Marc Benioff Endowed Chair in Hospital Medicine, University of California, San Francisco

Presentation of the 8th Annual Warren Alpert Medical School of Brown University, Department of Medicine Beckwith Family Awards for Outstanding Teaching

06/09/09  The Grace McLeod Rego Memorial Lecture – “Evidence Based Medicine versus Humanism: A Straw Choice”, David Gary Smith, M.D., FACP, Clinical Associate Professor of Medicine, Temple University Medical School
## CLINICAL ACTIVITY


### RHODE ISLAND HOSPITAL

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<th>Year</th>
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<th>Outpatient Volume</th>
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### THE MIRIAM HOSPITAL

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### MEMORIAL HOSPITAL OF RHODE ISLAND

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### PROVIDENCE VETERANS ADMINISTRATION MEDICAL CENTER

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Brown University has long been regarded as a leader in all aspects of health care and teaching, including research. Over the past 10 years, 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 $39 million in 2009 – almost a 400% 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 (68% 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 and Endocrinology Research Center, and Infectious Disease laboratories as well as the Coro research facility which houses the Diabetes Hallet Center, Genomics and Proteomics Center, and Cardiovascular Research Center. Construction has also begun of new research space in the Coro facility to build a new 10,000 square foot Medical Oncology research laboratory.

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). Notably, in 2009 Rhode Island Hospital received two NIH funded COBRE grants totaling $22 million over 5 years for the Proteomics and Genomics Research Program (Dr. Douglas Hixson, Principal Investigator) and Stem Cell Biology Programs (Dr. Peter Quesenberry, Principal Investigator).

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), Research Section, General Internal Medicine, under Dr. Peter Friedmann and the Cardiology research groups under Drs. J. Dawn Abbott, James Arrighi and Barry Sharaf, (Interventional Cardiology) and Dr. Alfred Buxton (Electrophysiology).

At Memorial Hospital, Dr. Andrew Artenstein has received significant federal funding for a “Center for Biodefense”. In 2009, Dr. Michael Stein has initiated a Substance Abuse Research Program based at Butler Hospital.

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.
When it comes to clinical experience, the Warren 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.

Alpert Medical School’s seven 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.

Alpert Medical School and its hospital partners are the anchors of Rhode Island’s academic medical center.
AFFILIATED HOSPITALS

RHODE ISLAND HOSPITAL
Rhode Island Hospital is a private, 719-bed, not-for-profit Level 1 trauma center, and a major teaching hospital of The Warren Alpert Medical School of Brown University. Founded in 1863, Rhode Island Hospital is the largest hospital in Rhode Island, and the third largest in New England. The hospital provides a full range of diagnostic and therapeutic services to patients, with particular expertise in cardiology, oncology/radiation oncology, orthopedics, diabetes, neuroscience, pediatrics and emergency medicine/trauma. Its pediatric division, Hasbro Children’s Hospital, is the only dedicated pediatric facility in the state. The hospital ranks among the country’s leading independent hospitals that receive funding from the National Institutes of Health (NIH), with NIH awards of nearly $29 million annually.

THE MIRIAM HOSPITAL
The Miriam Hospital is a private, 247-bed, not-for-profit, acute care general hospital founded by Rhode Island’s Jewish community in 1926. It is a major teaching hospital for The Warren Alpert Medical School of Brown University. The Miriam Hospital provides a broad range of primary, secondary and tertiary medical services to adolescents and adults in 34 medical and surgical specialties and subspecialties, with particular expertise in cardiology, oncology, orthopedics, gastroenterology, urology and AIDS/HIV care.

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 PROVIDENCE VA MEDICAL CENTER

The Providence VA Medical Center provides high quality comprehensive outpatient and inpatient health care to veterans residing in Rhode Island and southeastern Massachusetts. Each veteran who comes to the Medical Center for care is assured personalized care by a team of health care providers. A primary care provider coordinates each patient’s medical care, patient education needs and referrals to any of the Medical Centers’ 32 sub-specialty clinics. The Medical Center’s Ambulatory Care Program is supported by a general medical and surgical inpatient facility that delivers a broad range of services in medicine, surgery, and behavioral sciences.

WOMEN AND INFANTS HOSPITAL

Women & Infants Hospital of Rhode Island, a Care New England Hospital and one of the nation’s leading specialty hospitals for women and newborns, offers 167 adult beds (45 medical/surgical and 122 obstetrics) and 140 infant bassinets. The primary teaching affiliate of The Warren Alpert Medical School of Brown University for obstetrics, gynecology and newborn pediatrics, Women & Infants is the seventh largest obstetrical service in the country with more than 9,000 deliveries per year. In 2009, Women & Infants opened the country’s largest single-family room neonatal intensive care unit. Women & Infants has been designated a Breast Center of Excellence by the American College of Radiography; a Center for In Vitro Maturation Excellence by SAGE In Vitro Fertilization; a Center of Biomedical Research Excellence by the National Institutes of Health; and a Neonatal Resource Services Center of Excellence. It is one of the largest and most prestigious research facilities in high-risk and normal obstetrics, gynecology and newborn pediatrics in the nation, and is a member of the National Cancer Institute’s Gynecologic Oncology Group. The hospital was named a National Center of Excellence in Women’s Health by the federal government.

The Alpert Medical School is also affiliated with The Emma Pendelton Bradley Hospital and Butler Hospital, its associated psychiatric facilities.
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Brown University, Providence, and New England

Brown University and Providence, Rhode Island together provide a pleasant and interesting setting for study, recreation, and daily life. From atop College Hill the University overlooks downtown Providence, the capital of Rhode Island and the second largest city in New England. The University was founded in 1764. Its architecturally diverse buildings and quadrangles center on the original College Green. In the surrounding residential area are houses that date back to colonial times, together with various historic sites, including the Old State House, where independence in America was first declared and the First Baptist Meeting House, the oldest Baptist Church in America.

Contemporary life in Providence complements the city’s interesting history. One can walk from the campus to a variety of restaurants, to the nationally renowned Trinity Square Repertory or to a jazz club or dance performance. Attractions also include several art galleries, including the Rhode Island School of Design Museum of Art.

On the Brown campus are plays, concerts, movies, lectures, art exhibits, and many other sources of entertainment and intellectual stimulation throughout the year. A modern athletic complex within easy walking distance from the main campus offers swimming in a modern Olympic-sized pool, extensive exercise equipment, squash and tennis courts, and ice-skating, as well as playing fields and facilities for intramural and varsity team sports.

Rhode Island is especially known for recreational opportunities centered on the ocean and Narragansett Bay, including boating, fishing, sailing, and swimming. Newport, the site of some of the nation’s most magnificent mansions and for many years home of the America’s Cup sailing races, is less than an hour away. Providence is an hour by car, bus or train from Boston, an hour from Cape Cod, about three hours from major New Hampshire and Vermont ski areas, and three and a half hours from New York City. At the T.F. Green Airport, ten minutes from downtown Providence, several major airlines offer frequent service to all major points in the United States.
Patient Care, Teaching & Research

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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