



Research Spotlight

Therapeutic potential of RNA interference (RNAi)



Lynne Tucker, MS, Bharat Ramratnam, MD, Ming Li Ph.D., Jinsong Gao, MD, PhD and Yingjie Zhang, MD, PhD

Bharat Ramratnam, MD

Heterosexual transmission accounts for the majority of new cases of HIV-1 infection each year. Recent reports from the World Health Organization estimate that a total of 39.4 million people are now infected with HIV-1 worldwide; 90% of whom live in developing countries. As of 2004, nearly 50% of all infected individuals were women. The increased incidence of HIV-1 infection in women, particularly those of child-bearing age, underscores the urgent need for effective preventative and therapeutic options that are safe, affordable and culturally accepted. Despite increased scientific and clinical interest in microbicide development, only a single product (nonoxynol-9) has been evaluated in phase III trials of HIV-1 prevention and found to have no effect on reducing vaginal virus transmission.

The unifying goal of our research is to rationally develop and test microbicidal compounds against HIV-1 in relevant animal models based upon the biology of RNA interference (RNAi). RNAi refers to post-transcriptional and post-translational gene silencing by short single or double-stranded RNA. In cell culture, RNAi can be engineered by the liposomal transfection of short double-stranded RNA, termed short interfering RNA (siRNA). Upon cellular introduction, siRNA are incorporated into the RNA Silencing Complex (RISC) and mediate the degradation of mRNA in a sequence dependent manner. We have found that siRNA can be delivered to the vaginal mucosa of rodents as liposomal formulations. A single vaginal application leads to durable silencing of the target gene over a 1-week period. Liposomal formulations have proven safe and do not create tissue toxicity. Thus, we hypothesize that RNAi may serve as the ideal platform to devise specific drugs that degrade viral and/or host proteins implicated in HIV-1 transmission and replication.

We are testing our hypothesis in animal models of cervicovaginal HIV-1 transmission. We are presently administering siRNA against the HIV-1 co-receptor CCR5 to macaques and quantifying the level of gene suppression *in vivo*. Once we identify the optimal dose and dosing schedule, we will challenge the animals with simian HIV and determine the extent of protection against viral transmission. Using a novel human vaginal xenotransplant model, we are better characterizing siRNA penetrance into mucosal macrophages, dendritic cells and lymphocytes. With collaborators at Brown University, we are exploring the feasibility of using nanospheres and carbon nanotubes as mucosal delivery vehicles for siRNA. In sum, our studies will determine the efficacy and utility of siRNA as a microbicidal compound *in vitro* and *in vivo*.

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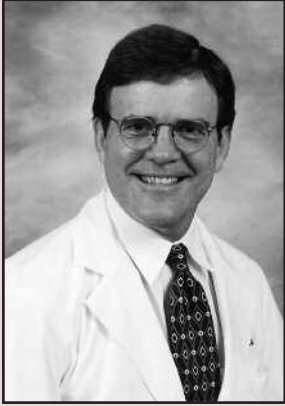
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Chairman's Message Edward J. Wing, MD

This edition of the Newsletter highlights a growing and successful Division of the Department of Medicine at Women and Infant's Hospital. Headed by Karen Rosene Montella, this program includes sections in Obstetrics and Medicine, General Internal Medicine,

Gastroenterology, and Behavioral Health. The Division provides excellent care for patients at Woman and Infants, as well as providing outstanding educational programs for students, residents, and fellows. Additionally, the research programs, particularly in Behavioral Health, have been quite successful. Other highly successful programs at the Veteran's Administration Medical Center and Memorial Hospital of Rhode Island complement the faculty in Medicine at Women and Infants. Both of these institutions will be featured in future articles in this newsletter.

The match for house officers this year was highly successful for the Department. In the Lifespan system, we matched 31 categorical and 8 primary care interns; these house officers will be in training for three years. In addition, 4 Medicine/Pediatrics interns will be coming for four years and 11 preliminary interns for one year. These house officers rotate primarily through the Miriam Hospital and the Rhode Island Hospital, although they spend time at Women and Infants as well as the VA. Memorial Hospital also had a particularly successful match for ten interns who will be in training for three years. Our house officers come from some of the best medical schools in the country including 7 from Brown. The quality of the house staff continues to improve each year as measured by board scores and overall assessment scores. Most fellowship positions will be matched for in June; we look forward to continuing excellent recruitment into our 75 fellowship positions.

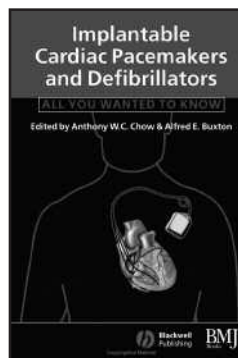
The Department continues to grow and succeed in all respects. Over ten new faculty will be added in July. The Governor Street primary care and subspecialty practice, headed by Dr. Frank Basile, opened in February and has proved to be very popular with patients, staff, and physicians. The Department's educational and research profiles continue to place us among the strongest departments in the country. Congratulations to all faculty, trainees, and staff at all of hospitals.

Lance Dworkin Named Vice Chairman of Medicine for Research and Academic Affairs

Dr. Edward Wing recently announced the appointment of Lance Dworkin, MD, Professor of Medicine, as Vice Chairman of the Department of Medicine for Research and Academic Affairs. Dr. Dworkin's responsibilities will include strategic planning for research, overall supervision of promotions, improving the career development of junior faculty, handling relations with the Brown Medical School and the Dean's office, and developing cross-divisional, cross-departmental research programs.

Dworkin obtained his medical degree at the University of Pennsylvania, completed residency training at New York University and Bellevue Hospitals where he also served as Chief Medical Resident. He earned his Clinical and Research Fellowship in Nephrology at Harvard Medical School and Peter Bent Brigham Hospital in Boston, Massachusetts. Dworkin came to Brown Medical School in 1993 from New York University Medical Center.

Dr. Dworkin is a talented clinician and educator who also has an outstanding investigative career including continuous funding in both clinical and basic research. He will continue as Division Director of the Nephrology Division.



Alfred Buxton, MD, Professor of Medicine, has edited a new textbook entitled, "Implantable Cardiac Pacemakers and Defibrillators. All You Wanted to Know", in collaboration with Anthony W.C. Chow, M.D., of The Heart Hospital, University College London Hospitals Foundation NHS Trust, London, UK. The text, published this year by Blackwell – BMJ Books, is an introductory volume, aimed at house officers, general cardiology fellows, as well as fellows in clinical cardiac electrophysiology. It will also be

useful to allied professionals, including nurses, who deal with patients who have implanted pacemakers and cardioverter-defibrillators. The new book represents collaboration between investigators in the United Kingdom and United States. In addition to Dr. Buxton contributors from Brown Medical School include Kristin Ellison, M.D., and Malcolm Kirk, M.D.

RESEARCH AWARDS

Rujun Gong, PhD, in the Renal division has received \$25,000 in direct cost funding from the Foundation for Health for a project 'Regulation of Pro-Inflammatory Phenotype of Renal Tubular Epithelial Cell by HGF'. The study will provide novel mechanisms for the regulatory effect of Hepatocyte Growth Factor (HGF) on renal TEC differentiation. These studies may lead to new therapeutic strategies for progressive chronic renal disease as well as relevance to the injury and repair process in many other organs.

Stephen Gregory, PhD, in the Division of Infectious Diseases, has received a 5-year award from the NIH for a project titled 'Neutrophil-macrophage Interactions Govern Liver Immunity'. Averaging nearly \$200,000 per year in direct costs funding, the grant will 1) Define the role of Kupffer cells in regulating the inflammatory response of neutrophils to bacteria taken up and killed in the liver. 2) Determine the effect of immigrating neutrophils on cytokine production by Kupffer cells. 3) Contrast the factors that affect neutrophil-Kupffer cell interaction with the effects of those same factors on the interaction of neutrophils with mononuclear phagocytes that infiltrate the liver subsequent to infection. The findings could help lead to improved treatments for septicemia and sepsis.

Gideon Koren, MD, in the division of Cardiology has received funding for a 4-year NIH grant averaging \$325,000 per year in direct costs. The project, titled 'Heart and Muscle K⁺ Channels: Assembly and Regulation', will focus on the following aims: 1) Generate a transgenic animal model overexpressing pore mutant of HERG in the heart and analyze and compare the phenotype with surface ECG, for monitoring, and conduct programmed electrical stimulation of the right ventricle. 2) Characterize and compare the expression of native potassium channel polypeptides, the action potential durations, the inward and outward potassium currents, and the inward calcium currents expressed in these cardiomyocytes. 3) Evaluate the effect of the beta-adrenergic agonist isoproterenol on transmural distribution of transmembrane action potential characteristics across the ventricular wall using a wedge preparation.

Dr. Koren also has received another R01 grant, transferred from Brigham and Women's Hospital, with over three year's remaining at \$250,000 direct per year. Titled 'Assembly and Trafficking of Cardiac K⁺ Channels', the project has the following specific aims: 1) Determine the mechanisms that regulate trafficking of a delayed rectifier potassium channel (Kv1.5) polypeptide. 2) Examine the role of posttranslational modifications on the trafficking, assembly, and stability of Kv1.5/Cav-3/SAP97 macromolecular complex. 3) Characterize the role of N-terminus cysteines of Kv2.1 and their posttranslational modifications in regulating the assembly, trafficking, and gating of Kv2.1

Ulrike Mende, MD, in the Cardiology Division, has received funding from the American Heart Association for a project titled 'Regulation of Cardiomyocyte Signaling and Function by Endogenous Regulators of G Protein Signaling (RGS Proteins)'. This is a three-year grant at \$55,000 per year in direct funding. The grant will focus on a family of signal regulators (RGS proteins) that affect the timing and response of the cells in the heart in order to adjust the rate and strength with which the heart pumps blood based on changes in the environment. A better understanding of the biological role of these proteins in regulating cardiac signal transfer will provide new opportunities in therapeutic design for the treatment and prevention of cardiac hypertrophy and failure.

Bharat Ramratnam, MD in the division of Infectious Diseases, has received funding from the National Institutes of Health via subcontract from the University of Pittsburgh. These funds average \$150,000 direct cost per year for 5 years for a project titled 'LAB Secreting CV-N as a Microbicide'. The specific aims of this project are to 1) optimize the production of cyanovirin by molecular dissection of the components of LAB secretion cassettes to allow maximum synthesis and secretion of the microbicide CV-N. 2) Identify strains of LAB that may be beneficial as a vector for mucosal CV-N delivery. 3) Apply an innovative approach to express CV-N from lactobacilli chromosome, expected to provide a stable level of cyanovirin expression, providing a product more suitable for FDA approved clinical trials.

Dr. Sharon Rounds, Professor of Medicine, has been awarded a competitive renewal of an RO1 from the NHLBI on the topic, "Focal Adhesion Complexes and Lung Endothelial Apoptosis" with direct costs of \$200,000 per year and duration 4/1/06-3/31/10. The research will be performed in the Vascular Research Laboratory at the Providence VA Medical Center.

Shuping Tong, PhD, in the Division of Gastroenterology, has received a grant from the American Cancer Society for a project 'Hepatitis B Virus Replication and Secretion'. This three-year award at \$150,000 direct per year in funding will further examine the regulation of Hepatitis B virus (HBV) genome replication and HbeAG expression by core promoter mutations as well as investigate the regulation of virion secretion by naturally occurring mutations.

Haiyan Xu, PhD, in the Division of Endocrinology, has received an award from the Charles Hood Foundation for a project 'The Mechanism of MAP kinase phosphates (MKP3) induced gluconeogenesis in obesity and diabetes'. This two-year award at \$75,000 per year in funding has the following specific aims: 1) Define the pathways used by MKPs to induce glucose production. 2) Assess the effects of obesity related hormones, glucocorticoids, and leptin, on regulation of MKP3 expression in vivo. 3) Evaluate the effect of MKP3 overexpression on glycemic control in diet induced obese mice.

The following faculty members in the Division of Hematology/Oncology received awards from the COBRE grant under the direction of Douglas Hixson, Ph.D.

Deborah Britt, PhD: Nuclear LYRIC in Prostate Cancer Development

Devasis Chatterjey, PhD: CCRD Inhibition of JAK/STAT3 Signaling by RKIP

Edward Filardo, PhD: Characterization of GPR30: A Novel Estrogen Receptor

David Mills, PhD: Nectin-like (Nect-5 Interactions with hepatic Natural Kill (NK) Cells During Liver Regeneration and Carcinogenesis

Research News

Dr. Sharon Rounds presented testimony to the House of Representatives Subcommittee on Military Quality of Life and Veterans Affairs on March 1, 2006. Dr. Rounds testified for increased VA Research Funding on behalf of Friends of VA Health Care and Medical Research (FOVA), a consortium of 80 professional, veterans service and voluntary health organizations.

12th Annual Department of Medicine Research Forum George Q. Daley, M.D., Ph.D. to Deliver Keynote Address Tuesday, June 20, 2006



The Annual Department of Medicine Research Forum will take place on Tuesday, June 20, 2006, from 4 P.M. until 7 P.M. at Smith-Buonanno Hall and Andrews Hall on campus at Brown University. Dr. Alan G. Rosmarin, Associate Professor of Medicine is Chairman of the event.

George Q. Daley, M.D., Ph.D. Associate Professor of Pediatrics & Biological Chemistry & Molecular Pharmacology, Harvard Medical School and Associate

Director of the Stem Cell Program at Boston Children's Hospital will deliver the keynote address entitled "Stem Cells: Science, Ethics, and Policy."

Members of the Department of Medicine are invited to participate in the poster session that follows the guest speaker presentation. In past years, many students, trainees and faculty from Brown University-affiliated hospitals have participated. Investigators present new posters or material that has been presented at other regional and national meetings in the past year. Beverages and hors d'oeuvres will be provided during the poster session.

Application forms for the submission of poster titles will be circulated throughout the Department and are available by email. You may email Pat O'Hara at PHOHara@Lifespan.org or call her office at RIH, 444-8409, and obtain additional copies of the submission form. Deadline for submissions is Friday, June 9, 2006.

We look forward to your participation at this exciting annual event.

Profile



Karen E. Aspry, MD, FACC has joined the Department of Medicine as an assistant clinical professor of medicine in the Division of Cardiology. She received her B.S. degree from the

University of Massachusetts at Amherst and her MS degree from the University of California at Berkeley, both in human nutrition. She received her MD degree from the University of California-Davis School of Medicine in 1990 and completed her Internal Medicine residency at U.C. Davis Medical Center in Sacramento in 1993. From 1993 to 1995 she was an assistant clinical professor in the Department of Medicine at U.C. Davis Medical Center in the Chest Pain E.R. program, after which she entered the cardiovascular medicine fellowship program. After fellowship, she joined the Permanente Medical Group and Kaiser-Permanente in the San Francisco Bay Area as a clinical invasive cardiologist. During her seven years there she served as a physician champion for the regional Multi-Fit Program, Cholesterol Management Program, and the HMO's multiple risk factor management program which she helped implement at her hospital and its clinics.

Dr. Aspry is based at Memorial Hospital where she has re-established the outpatient general cardiology clinic, directs the Cardiac Stress Lab, serves as a consultative and invasive cardiologist, and is involved in the teaching of residents and medical students. Her clinical interests include lipid management and the establishment of collaborative care and disease management models for the treatment of hyperlipidemia and for the secondary prevention of CHD.

Visit our website at:

www.brownmedicine.org

Department of Medicine at Women and Infants Hospital



Drs. Margaret Miller, Karen Rosene-Montella, Lucia Larson and Ray Powrie

Karen Rosene-Montella, MD

The MISSION of the Department of Medicine at Women and Infants Hospital is to provide expert care to women with medical and behavioral health problems in pregnancy. Consultative services are also available to non pregnant ob gyn patients in the WIH community. Our goal is to improve access and quality of care provided to all women; to train medical students, residents, and fellows in medical problems in pregnancy; and to engage in research and curriculum development in the medical and psychiatric care of pregnant and postpartum women.

Outpatient visits total 15,000 annually and 3000 encounters occur on the inpatient consultation teaching services in obstetric medicine, gastroenterology and behavioral health. Medicine and Psychiatry Residents rotate on the consult services and, with the fellows, are an integral part of the team.

The unique expertise of the Division of Obstetric Medicine continues to build its international reputation as a leader in the care of medical problems in pregnancy. Karen Rosene-Montella is the North American Rep on the International Society of Obstetric Medicine (ISOM) Board and was

nominated as its President. Dr. Raymond Powrie, with Drs Larson and Miller, developed a web site for ISOM, www.isom.net, that brings together international experts for structured reviews, journal watch, clinical forums, teaching and research collaboration. Ray is also currently serving as the President of the North American Society of Obstetric Medicine (NASOM) and the Educational Officer to ISOM. Our faculty present annually at the national meetings of the Societies of Maternal Fetal Medicine, Obstetric Anesthesiology and Perinatology and the American College of Physicians, ISOM as well as NEJM sponsored courses through Harvard International. Fellow's Research has won the young investigators prize at NASOM and the American College of Chest Physicians.

The unique Fellowship in Obstetric Medicine, has served as a model for a new women's health track to the Brown Gastroenterology Fellowship under the direction of Dr. Silvia Degli-Esposti and Dr. Jack Wands. OB-Med Fellowship graduates have established programs at universities worldwide, most recently in New Zealand where our 13th graduate established an Obstetric Medicine program at a large teaching hospital in Auckland. These programs further establish the WIH and Brown Department of Medicine as a world leader in the care of women

The Division of Women's Behavioral Health, under the direction of Teri Pearlstein, MD, is an active part of the Department with internationally recognized expertise in perinatal psychiatric disorders and loss/PTSD surrounding pregnancy and medical illness. They have presented at the

U.S. Psychiatric & Mental Health Congress and the North American Society for Psychosocial Obstetrics and Gynecology. Margaret Howard, PhD, Director of the Day Hospital for Post Partum Depression has presented at the Marseilles society and was recently interviewed by US News and World Report. Caron Zlotnick, PhD, the director of research, is the PI on multiple NIMH grants and received a NIMH midcareer investigator award for her work in Depression prevention and interventions for financially disadvantaged mothers. They are joined by Drs. Carmen Monzon, Ellen Flynn and Thamara Davis in providing CL and outpatient services at WIH.

Other Recent Department Highlights include:

- Karen Rosene Montella, MD was named Editor, Journal of Obstetrics and Gynaecology and is Chief Editor of the 2nd edition of Medical Care of the Pregnant Patient.
- Lucia Larson, MD serves as secretary-treasurer of NASOM and as Fellowship Director since June 2005. Lucia directs the acute monitoring service, improving the care of critically ill patients at WIH as they are stabilized for transfer to intensive care units at Rhode Island Hospital
- Raymond Powrie, MD is president of NASOM and has received multiple teaching awards.
- Margaret Miller, MD was named Clinical Co-Director of the Center For Excellence in Women's Health. Peg has also developed a primary care curriculum for ob-gyn residents and for national board review.

Evelynn Tolbert Receives the Community Hero Award

Evelynn Tolbert was recently honored by Blue Cross Blue Shield of RI and the American Red Cross of RI. as the recipient of the Community Hero Award. Ms Tolbert, assistant to Dr. Louis Sousa in Rhode Island Hospital's Central Research Division was nominated by Ms. Maria Papp for her dedication to foster children.

The Community Heroes Award recognizes everyday individuals of any age who have made a significant, positive impact on an individual, family, organization, or entire community, either as a one-time act or an ongoing effort. They are volunteers or paid workers who live or work in Rhode Island.

Ms Tolbert is recognized for being a foster parent to infants with a parental history of substance abuse. She adopted her two children, Nadia and Leisha and both have been in her care since infancy.

2006–2007 Chief Medical Residents Appointed

It is with great pleasure that we announce the appointment of Drs. Susan Eckert, Robert El-Kareh, Luke Hansen, Mitch McClure and Corey Ventetuolo to the position of Chief Medical Residents for the academic year 2006–2007. As in the past, we have had the benefit of selecting from an exceptional group of medical residents. Please join us in welcoming these outstanding individuals.



Susan J. Eckert, MD, graduated from Dartmouth College with a BA in Biophysical

Chemistry and a minor in Art History. She gained considerable experience in research activities during her college years and between college and medical school. She worked both in the fields of pediatric infectious disease and orthopedics at Weill Medical College of Cornell University and at Hospital for Special Surgery in NYC respectively. Susan's work in these areas resulted in her representation on one abstract and three articles. While at Dartmouth, she co-chaired the Special Friends program for children with emotional and physical disabilities. Some of her favorite time at Dartmouth was spent away from Hanover, studying Renaissance art in Florence, Italy.

Susan attended Albany Medical College and received her Medical Degree in 2003. There she was VP of the Pediatrics club and also volunteered in the "America Reads" program. Dr. Eckert is currently a senior resident in the Categorical Internal Medicine Program. She has been involved in nephrology research at Brown. She will be starting a fellowship in nephrology at Mt. Sinai Medical Center in NYC in July 2007.



Robert El-Kareh, MD earned his Bachelor's Degree in Electrical Engineering at

Stanford University in 1992. He first became interested in Medicine

while involved in a project in bio-medical engineering while pursuing his masters at Stanford (1995). Rob worked in the engineering field for several years and was employed by IBM and Silicon Graphics in California. He is a graduate of Temple University where he received his Medical Degree in 2003. He and his wife Kay met as undergraduates and have a 2 1/2 year old daughter, Ava. In his free time, Rob plays basketball, racquetball and squash.

Dr. El-Kareh is currently a 3rd year resident in the Categorical Internal Medicine Program and is applying for a Medical Informatics fellowship starting July 2007.



Luke O. Hansen, MD studied at Yale University where he majored in

American Studies with a concentration in American Literature and graduated with a B.A. in 1997. While an undergraduate Luke was honored with the Yale University Wallace Prize (1997) for best piece of undergraduate fiction and was awarded a Richter Fellowship (1997) for field research in the Arts and Sciences. Luke attended Loyola University of Chicago, Stritch School of Medicine, where he received his Medical Degree in 2003. As a resident in the General Internal Medicine Program Luke was awarded the Arnold P. Gold Foundation Humanism and Excellence in Teaching Award by the Brown Medical School Class of 2005. Following the completion of his chief resident year, Dr. Hansen plans to pursue a fellowship in gener-

al internal medicine with a research focus on health disparities.



Mitchell H. McClure, MD is a graduate of Harvard College where he earned a Bachelor's Degree

in Economics (1996). Upon completion of his college degree, he took a position as a research assistant at Yale School of Medicine from 1996-1998. This experience confirmed his dedication to medicine and also resulted in the publication of several scientific papers. Mitchell then went on to the University of Connecticut's post-baccalaureate program and subsequently its School of Medicine and graduated in 2003. His dedication to research and academics were recognized in medical school through his receipt of the Abbot Laboratories prize his during his second year and the Excellence in Medical Studies award at graduation. Mitchell currently spends any free time he has with his wife, Elizabeth, keeping their infant daughter Alice out of trouble and saving their 2 cats and dog from her harassment. Dr. McClure is currently a 3rd year resident in the Categorical Internal Medicine Program and plans on starting a job search next year for a hospitalist position to begin summer 2007.



Corey E. Ventetuolo, MD, earned her Bachelor of Arts Degree from the University of

Pennsylvania, Magna Cum Laude with Honors in her major, Biological

Basis of Behavior. She worked as a research assistant in the U. Penn Auditory Research Laboratory where her efforts led to the presentation of posters at several neuroscience symposiums and publication in the Journal of Neurophysiology. She was the recipient of the Mie Kim Najita Fellowship at the Parmlly Hearing Institute in Chicago (1998) and the Rose Award for Excellence in Undergraduate Research (1999). In addition, Corey was active in the community and worked with the Philadelphia Coalition of the Homeless.

Corey matriculated at Tufts University School of Medicine, Boston, Massachusetts where she received her Medical Degree in 2003. She remained active in community service, managing the HIV Counseling Program at the Sharewood Clinic, volunteering at the Boston Coalition for Adult Immunization and Habitat for Humanity to name a few. At Tufts, she received The Charles and Jane Brush Prize for excellence in the art and skill of the doctor patient relationship.

Dr. Ventetuolo is currently a senior resident in the Categorical Internal Medicine Program and will pursue a Pulmonary and Critical Care Medicine fellowship in July 2007. She will be presenting an abstract at the American Thoracic Society international conference in May. Her interests include travel, most recently to work in Eldoret, Kenya, skiing, collecting wine, and spending time with family and friends.

Rhode Island Hospital • Internal Medicine Residencies 2006

General Internal Medicine/Primary Care

Philip A. Chan
University of Vermont
College of Medicine

Matthew M. Dacso
University of Texas
Medical School at Galveston

Anne D. Halli
University of Alabama
School of Medicine

Micaela C. Hayes
University of Connecticut
School of Medicine

Christopher A. Jones
Jefferson Medical College of
Thomas Jefferson University

Kate E. Mavrich
University of Pittsburgh School
of Medicine

Alan Pinyavat
New York University
School of Medicine

Lyudmila Ryaboy
State University of New York
Stony Brook School of Medicine

Categorical Internal Medicine

Kyle R. Brownback
University of Kansas
School of Medicine

Eve M. Cohen
University of Connecticut
School of Medicine

Christine M. Combs
Brown Medical School

Thomas J. Earl
State University of New York at
Syracuse College of Medicine

Ronald L. Dana
George Medical College of
Georgia

Jason D. Hallman
Wayne State University
School of Medicine

Vaani Jegapragasan
Howard University
College of Medicine

Christopher T. Jue
Brown Medical School

Bevin E. Kenney
University of Massachusetts
Medical School

Atif Kidwai
University of Medicine &
Dentistry of New Jersey/R.W.J.

Krzysztof L. Kopec
University of Medicine &
Dentistry of New Jersey/R.W.J.

Jason M. Kurland
Boston University
School of Medicine

Asma Latif
University of Kansas
School of Medicine

Grace Lee
Jefferson Medical College of
Thomas Jefferson University

Kimberly D. Lerner
Keck School of Medicine of
the University of
Southern California

Elizabeth Q. Liang
SUNY Downstate
College of Medicine

Elizabeth P. Lo
Johns Hopkins University
School of Medicine

Anthony S. Lubinsky
SUNY Downstate
College of Medicine

Sajjad M. Malik
Drexel University
College of Medicine

Atizazul H. Mansoor
University of Massachusetts
Medical School

Evan M. Mariash
Rosalind Franklin University of
Medicine and Science/Chicago
Medical School

Stephanie B. Mayer
Medical College of Virginia
of Virginia Commonwealth
University

Christopher E. McGowan
Jefferson Medical College of
Thomas Jefferson University

Aleagia M. Mercer-Falkoff
University of Connecticut
School of Medicine

Priscilla Merriam
Jefferson Medical College of
Thomas Jefferson University

Premal G. Patel
University of Texas Medical
School at Galveston

Deepak R. Pradhan
Jefferson Medical College of
Thomas Jefferson University

John L. Reagan
State University of New York at
Syracuse College of Medicine

Michael W. Schaefer
State University of New York at
Syracuse College of Medicine

Ryan G. Shipe
Jefferson Medical College of
Thomas Jefferson University

Mari A. Shiraishi
Georgetown University
School of Medicine

Preliminary Internal Medicine

Jonathan R. Cahill
Albany Medical College

Diana M. Goodman
University of Miami
School of Medicine

Nicole M. Grenier
Brown Medical School

Shari M. Krevitz
Drexel University
College of Medicine

Monica P. Kumar
Brown Medical School

Jason M. Lewis
Brown Medical School

Mohsin Malik
Brown Medical School

Mac T. McLaughlin
University of Nebraska
College of Medicine

Mijail D. Serruya
Brown Medical School

Amanda J. Thompson
University of Vermont
College of Medicine

Nicholas L. Walle
Georgetown University
School of Medicine

Medicine Pediatrics

Jacqueline A. Firth
Tulane University
School of Medicine

Charlene Flash
University of Medicine &
Dentistry of New Jersey/R.W.J.

Marisa E. Van Poznak
Dartmouth Medical School

Susanna E. Winston
University of Minnesota-
Minneapolis School of Medicine

Hospital of Rhode Island Internal Medicine MHRI 2006

Internal Medicine Residency

Saba Asad
Fatima Jinnah Medical
College for Women, Pakistan

Ahmad Ismail
Jordan University of Science
& Technology, Jordan

Jagan Kothapally
Gandhi Medical College, India

Joshua Lee
Georgetown University
School of Medicine, US

Ashish Misri
St. John's Medical College, India

Priya Mital
Maulana Azad Medical College,
India

Saed Nemr
Al Quds University, Israel

Anna Ocasiones
University of Santo Tomas,
Philippines

Jaspreet Randhawa
Government Medical College
Patiala, India

Ayesha Sheikh
Allama Iqbal Medical College,
Pakistan

Chief Resident

Taro Minami, MD
Kyoto University
Faculty of Medicine, Japan
Residency at Beth Israel Medical
Center, NYNY



Office of the Chairman of Medicine
Rhode Island Hospital
593 Eddy Street
Providence, RI 02903

Department of Medicine Grand Rounds - Tuesday Mornings at 8:00 AM

George Auditorium, Rhode Island Hospital • Lecture Hall, The Miriam Hospital (teleconferenced from RIH)

Room 653, VA Medical Center (teleconferenced from RIH) • **Library Video Room, Newport Hospital** (teleconferenced from RIH)

April 18, 2006:

“Lessons from the Flight Deck: What Aviation Can Teach Medicine About Team Building and Patient Safety”

Harry C. Sax, M.D., Surgeon-in-Chief, The Miriam Hospital, Professor of Surgery, Brown Medical School, Adjunct Professor of Surgery, University of Rochester School of Medicine and Dentistry

April 25, 2006:

Infectious Disease Update

“An Old World Arenavirus in 21st Century Rhode Island: Lymphocytic Choriomeningitis Virus Transmitted via Solid Organ Transplantation, 2005”

Staci A. Fischer, M.D., FACP, Active Staff, Division of Infectious Diseases, Rhode Island and Miriam Hospitals, Assistant Professor of Medicine, Brown Medical School

May 2, 2006:

Charles A. Czeisler, Ph.D., M.D., Senior Physician, Brigham and Women’s Hospital, Professor of Medicine, Baldino Professor of Sleep Medicine, Harvard Medical School

Presentation of the 5th Annual Brown Medical School, Department of Medicine Chairmen’s Awards for Outstanding Teaching

Supported by the Beckwith Family Endowment

May 9, 2006:

“Aldosterone as a determinant of Cardiovascular and Renal Disease: An update- 2006”

Murray Epstein, M.D., Professor of Medicine, University of Miami School of Medicine, Attending Physician, Nephrology Section, University of Miami/Jackson Medical Center

May 16, 2006:

Morbidity & Mortality Conference

May 23, 2006:

“Osteoarthritis: Pathophysiology and Management”

Marc C. Hochberg, MD, MPH, Professor of Medicine, Head, Division of Rheumatology & Clinical Immunology, University of Maryland School of Medicine

May 30, 2006:

CANCELED

June 6, 2006:

Guest Lecture

June 13, 2006:

Pulmonary Update

June 20, 2006:

Morbidity & Mortality Conference

June 27, 2006:

The Grace McLeod Rego Memorial Lecture

• The Rhode Island Hospital fully intends to comply with the legal requirements of the Americans with Disabilities Act. If any participant of this conference is in need of accommodation, please contact the Rhode Island Hospital CME office at (401) 444-4260.

• Rhode Island Hospital Continuing Medical Education has reviewed this activity’s speaker disclosures and resolved all identified conflicts of interest, if applicable.

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