



Program

Welcoming Remarks

Arthur H. Rubenstein, MBBCh

Executive Vice President
University of Pennsylvania for the Health System
Dean, School of Medicine

Address to Faculty

Reed E. Pyeritz, M.D., Ph.D.

Chair, Committee on Appointments and Promotions

Closing Remarks

Arthur H. Rubenstein, MBBCh

Executive Vice President
University of Pennsylvania for the Health System
Dean, School of Medicine

Reception Continues



Rexford S. Ahima, M.D., Ph.D.

*Associate Professor of Medicine**

Dr. Ahima is an outstanding, internationally recognized leader in the field of obesity, diabetes, and metabolism whose cutting edge research focuses on the interrelationship between energy stores and regulation of energy balance by the brain, with specific focus on the roles of leptin, adiponectin, and resistin. He has been a significant contributor to the research community at Penn. He founded and directs the Mouse Metabolic Phenotyping Core of the Penn Diabetes and Endocrinology Research Center. He also established a weight management and metabolism program at Penn Presbyterian Medical Center. Dr. Ahima's publications are in high quality journals such as *Science*, *Nature*, *Nature Medicine*, and *Journal of Clinical Investigation*. He is a member of the editorial board of *Current Diabetes Reviews* and *Endocrinology*, associate editor of *Gastroenterology*, and consulting editor of *Journal of Clinical Investigation*. The scientific community has recognized his stature in the field through invitations to serve on review panels and study sections for the National Institutes of Health, the Wellcome Medical Trust, and the Howard Hughes Medical Institute, and by election to the American Society for Clinical Investigation in 2005.

David M. Allman, Ph.D.

*Associate Professor of Pathology and Laboratory Medicine**

Dr. Allman is an outstanding, highly productive immunologist who has advanced the field of developmental immunology and experimental hematology. His research focuses on differentiation of lymphopoietic precursor cells, with emphasis on B cells and dendritic cells. He also makes important collaborative contributions to the Penn community through his expertise in cellular immunology and

flow cytometry. He has been successful in obtaining research grant support. He is section editor for the *Journal of Clinical Investigation*. He has been an ad hoc reviewer for several NIH study sections. Dr. Allman's unique expertise and specialized knowledge in early and late B cell development at the molecular level have allowed the School of Medicine to offer courses which would otherwise not have been offered. He has served as session chair or co-chair at four American Association of Immunologists Annual Meetings and co-chair at two Keystone Symposia.

Elizabeth R. Alpern, M.D.

Associate Professor of Pediatrics at The Children's Hospital of Philadelphia

Dr. Alpern is recognized nationally for her significant achievements within pediatric emergency medicine, particularly for her research on occult bacteremia in the emergency department and the risk of bacteremia among young children with pneumonia. She has been a driving force in the development of an emergency department-based research data collection and surveillance system within a national network of pediatric emergency departments, Pediatric Emergency Care Applied Network (PECARN), the first federally-funded pediatric emergency medicine research network in the United States. She is also the co-editor of a popular textbook, *Emergency Medicine Pearls*. She was recently elected to the Society for Pediatric Research in recognition of her contribution to the study of emergency presentations of infectious diseases in children and the epidemiology of emergency service utilization. Dr. Alpern has received the Jean A. Cortner Divisional Teaching Award for "excellence in and commitment to resident teaching" eight times and has been on the Department of Pediatrics Faculty Teaching Honor Roll five times.

John G.T. Augoustides, M.D.

Associate Professor of Anesthesiology and Critical Care at the Hospital of the University of Pennsylvania

Dr. Augoustides is an expert in the field of cardiovascular and thoracic anesthesiology. His research focuses on the perioperative clinical outcomes in adult aortic arch repair surgery, including acute aortic dissection and deep hypothermic circulatory arrest (DHCA). He has been an active research collaborator and integral member of the multidisciplinary Penn Thoracic Aortic Research Group and the National Multicenter DHCA Registry. In 2007, he was honored with election to the Association of University Anesthesiologists, his specialty's most prestigious academic society. He has served on the editorial boards of the *Journal of Cardiothoracic and Vascular Anesthesia* and the *Journal of Clinical Anesthesia*. Dr. Augoustides is an excellent and dedicated teacher of medical students, residents, and fellows. He has been a discussion leader at the American Society of Anesthesiologists annual meetings since 2002. He serves on numerous national committees in the American Society of Anesthesiologists and the Society of Cardiovascular Anesthesiologists.

Paul Axelsen, M.D.

Professor of Pharmacology

Dr. Axelsen is a nationally and internationally acclaimed independent and collaborative scientist in the field of molecular recognition. He uses a wide range of biophysical techniques, some of which he pioneered, to study the structure and function of glycopeptide antibodies and, more recently, the interaction of lipid membranes forming proteins in Alzheimer's disease. He has a record of continuous funding. His publications are in prestigious journals such as the *Journal of Molecular Biology*, *Biochemistry*, and the *Journal of Biological Chemistry*. He is on the editorial

board of the *Biophysical Journal*. He is a standing member of the NIH Biochemistry and Biophysics of Membranes study section. Dr. Axelsen is an active and highly regarded teacher of graduate students and serves as course director for Medical Pharmacology and Protein Folding. He lectures nationally and internationally. He is a member of the American Chemical Society and the Biophysical Society and serves as a member of the Biophysical Society's Council and Executive Board.

Thomas J. Bader, M.D.

Associate Professor of Clinical Obstetrics and Gynecology

Dr. Bader has distinguished himself as an outstanding clinician, educator, and administrator. He is a highly sought after obstetrician at HUP and is acknowledged by his patients as professional and compassionate. In recognition of his commitment to primary obstetrical care, he was presented with the School of Medicine's Sylvan Eisman Outstanding Primary Care Physician Award in 2007. He is an excellent leader who has implemented changes in the ObGyn practice such as incorporating a team approach to care by integrating nurse practitioners and midwives into the practice and by improving patients' access to care. Dr. Bader directs the residency program and is credited with making innovative changes to the residency curriculum. He is a member of the American College of Obstetricians and Gynecologists, Association of Professors of Gynecology and Obstetrics, Philadelphia Obstetrical Society, and the American Public Health Association. He is also an examiner for the American Board of Obstetrics and Gynecology.

*Faculty appointment has been converted to tenure.



Adam Bagg, M.D.

Professor of Pathology and Laboratory Medicine at the Hospital of the University of Pennsylvania

Dr. Bagg is a highly accomplished hematologist, educator, investigator, and administrator who focuses on the detection of minimal residue disease (MRD), the development of molecular assays to help diagnose hematologic malignancies, and the development of new tools to facilitate the diagnosis of myelodysplastic syndromes. He is an admired and productive clinician who has a large extramural consultation practice. He is associate editor of the *Journal of Molecular Diagnostics* and a member of the editorial board of the *American Journal of Clinical Pathology*. Dr. Bagg makes exceptional contributions to the education of medical students, residents, fellows, and physician colleagues. He has been a faculty member of the Osler Pathology Board Review Course for many years and received a teaching award for his contributions in 2003. He has been the director and the co-director of two courses for the United States and Canadian Academy of Pathology and is a member of its education committee. He has held organizing roles and presented at meetings for the Association for Molecular Pathology, the Society for Hematopathology, College of American Pathologists, American Society for Clinical Pathologists, and International Academy of Pathology.

Michael F. Beers, M.D.

Professor of Medicine

Dr. Beers is an internationally recognized leader in the field of pulmonary surfactant research. His cutting edge research focuses on surfactant biosynthesis and has important implications for understanding pulmonary diseases such as interstitial lung disease and acute lung injury. He has an outstanding record of sustained

NIH funding. He has published in such high impact journals as the *Journal of Biological Chemistry*, *Journal of Cell Science*, *Annual Review of Physiology*, *Journal of Respiratory and Critical Care Medicine*, *Journal of Immunology*, and *Journal of Clinical Investigation*. He is associate editor of *Respiratory Research* and the *Journal of Clinical Investigation*. He is a member of the Scientific Advisory Board of the Alveolar Proteinosis Foundation and, since 2006, has chaired the NIH National Center for Research Resources Protocol Review Committee A for Rare Lung Diseases. In 2005, Dr. Beers was named co-director of the Research Fellowship for the Pulmonary Division and is responsible for the oversight of the bench research training. He is a member of the leading pulmonary medical and scientific societies and has held organizing roles in scientific meetings.

Lisa M. Bellini, M.D.

Professor of Medicine at the Hospital of the University of Pennsylvania

Dr. Bellini is an outstanding and innovative medical educator and administrator. Her many accomplishments include the development and implementation of a hospitalist program at HUP, several non-teaching clinical services, and a Web-based teaching evaluation system. Her research focuses on medical education, particularly the health and well being of residents and faculty, and the effects of fatigue and sleep deprivation on patient outcomes and the learning environment. She is also a gifted clinician who specializes in pulmonology medicine. Dr. Bellini is an acclaimed, admired, and valued teacher and mentor of fellows, residents, and medical students. In her role of program director for the Internal Medicine residency, she is directly responsible for more than 150 trainees. In 2005, she received the Robert Dunning Dripps Award for Excellence in Graduate Medical Education. She has been an active

and admired member of committees and task forces of the American College of Physicians, the American Board of Internal Medicine, the Accreditation of Graduate Medical Education, Association of American Medical Colleges, the Institute of Medicine, and the Association of Program Directors of Internal Medicine.

Michael B. Blank, Ph.D.

Associate Professor of Psychology in Psychiatry

Dr. Blank is a leader in the field of community-based mental health services research. His research focuses on integration of health and mental health delivery systems, including treatment for co-morbid illness such as HIV/AIDS. He also studies informal care and its impact on consumers and families, rural mental health, ethics in prevention, and applications of technology and computer-assisted care in mental health service delivery. Dr. Blank and his colleague Dr. David Metzger established the Behavioral and Social Sciences Core of Penn's Center for AIDS Research to facilitate intellectual and operational linkages between behavioral, clinical, and basic sciences investigators. Dr. Blank is or has been a member of the editorial boards of several journals, and he serves as associate editor of the *Journal of Community Psychology*. He is an ad hoc reviewer for study sections for the NIH and the Centers for Disease Control and Prevention and, in 2006, he was appointed as a regular member of the NIH Behavioral and Social Sciences Approaches to Preventing HIV/AIDS Study Section.

Gerd A. Blobel, M.D., Ph.D.

Professor of Pediatrics

Dr. Blobel is an internationally recognized, innovative leader in the field of transcriptional regulation of hematopoiesis. Among his numerous contributions is the demonstration that methylation of lysine 9 on histone H3 is associated with transcriptional elongation through the mammalian chromatin. This discovery changed the field and was featured as the cover story of *Molecular Cell* in 2005. In addition to *Molecular Cell*, his high impact work has been published in other major journals including *Molecular and Cellular Biology*, *Nature*, *Proceedings of the National Academy of Sciences*, *Blood*, and the *EMBO Journal*. He is on the editorial boards of *Molecular and Cellular Biology* and the *Journal of Biological Chemistry*. He has served on national and international review committees such as NIH study sections, Biotechnology and Biological Sciences Research Council, and the National Health and Medical Research Council, Australia. He lectures nationally and internationally and at premier meetings in his field including the American Society of Hematology Annual Meeting, the FASEB Summer Research Conference, Cold Spring Harbor conferences, and Gordon Research conferences.

Emily Blumberg, M.D.

Professor of Medicine at the Hospital of the University of Pennsylvania

Dr. Blumberg is a nationally prominent transplant infectious disease clinical investigator who has successfully developed and implemented a highly regarded infectious diseases consultation service and clinical research program in patients with cardiac, lung, liver, renal, and pancreas transplants. Her research interests include transplantation in HIV infected individuals, use of newer antimicrobial agents in transplant recipients, and infection in patients



with ventricular assist devices. She is a grant reviewer for the Canadian Institutes of Health, Centers for Disease Control and chair of the NIH Trialnet Data Safety and Monitoring Board. Dr. Blumberg is an outstanding teacher of medical students, residents and fellows. In recognition of her contributions to the educational activities of her division, she was appointed Director of the Infectious Disease Fellowship Program in 2003. She holds a number of leadership positions in the American Society of Transplantation and has served on organizing committees for major conferences including the American Transplant Congress and World Transplant Congress.

Anjan Chatterjee, M.D.

Professor of Neurology

Dr. Chatterjee is an outstanding academic behavioral and cognitive neurologist who uses functional resonance imaging in his research on human cognitive processes, focusing on language, action, and attention and the interface among them. He is also a pioneer in neuroethics. His innovative paper on cosmetic neurology focuses on the ethical dilemmas associated with cognitive enhancement. He has a highly successful history of grant funding. He is editor of *Behavioral Neurology* and *Empirical Studies of the Arts*, associate editor of the *Journal of Cognitive Neuroscience* and is on the editorial boards of *Neuropsychology*, *Neuropsychiatry* and *Behavioral Neurology*, and *Cognitive Neuropsychology*. He also serves on the International Editorial Advisory Board for Policy Studies in Ethics, Law, and Technology. He has served on NIH study sections and is a member of the American Board of Psychiatry and Neurology, Incorporated Neurology Part I B committee. He is an active educator nationally and has directed the major course in cognitive neurology of the American Academy of Neurology since 2001.

Youhai H. Chen, M.D., Ph.D.

*Professor of Pathology and
Laboratory Medicine*

Dr. Chen is recognized internationally as a leader in the field of autoimmunity, particularly in the use of experimental models to understand autoimmune diseases such as multiple sclerosis and diabetes. His highly innovative contributions include defining the role of the apoptosis-inducing ligand TRAIL in autoimmune pathogenesis; developing and characterizing the phenotype of the PDCD4 knockout mouse; identifying a mechanism by which Bcl-3 inhibits inflammatory responses by blocking ubiquitination of p50; and most recently identifying TIPE2 as a negative regulator of innate and adaptive immunity. He has a history of continuous grant funding. He has been recognized for his research contributions with the award of the Lady Barbara Colyton Prize for Autoimmune Research in 2002 and membership in the Henry Kunkel Society in 2008. His publications are in prestigious journals including *Science*, *Cell*, *Nature*, *Nature Immunology*, and *Journal of Experimental Medicine*. He is on the editorial board of *Cellular and Molecular Immunology* and section editor of the *Journal of Immunology*.

Meryl S. Cohen, M.D.

*Associate Professor of Pediatrics at
The Children's Hospital of Philadelphia*

Dr. Cohen is a nationally prominent pediatric cardiologist and echocardiographer who has made substantial contributions to research on the function of the neo-aortic valve, assessment of peripheral vascular function in children with heart disease, and the impact of obesity in children with heart disease. She received the American Heart Association Outstanding Research Award in Pediatric Cardiology in 2002. She is a member of the editorial boards of the *Journal of the American Society*

of Echocardiography, *Pediatric Ultrasound Today*, and *Pediatric Cardiology*. Dr. Cohen is a highly valued teacher of medical students, pediatric residents, fellows, and attending physicians. She received the Jean Cortner Divisional Teaching Award for Pediatric Cardiology in 2001 and 2005. She lectures nationally and internationally and at prestigious meetings of the American Heart Association, the American Society of Echocardiography, and the American College of Cardiology. She is active in a number of professional and scientific societies including the Pediatric Council of the American Society of Echocardiography where she co-chaired scientific sessions in 2007 and was selected to chair sessions in 2008.

Charles A. Dackis, M.D.

*Associate Professor of Psychiatry at the
Hospital of the University of Pennsylvania
and the Penn Presbyterian Medical Center*

Dr. Dackis is a leader in the field of addiction psychiatry. His clinical research focuses particularly on the pharmacology and neurobiology of cocaine addiction, a major public health problem. In a high impact clinical trial conducted in 2002 and 2003 on which Dr. Dackis was principal investigator, he and his colleagues identified modafinil, typically used in the treatment of narcolepsy, as a possible treatment for cocaine dependence. Dr. Dackis is also a highly regarded and productive clinician and administrator. As Chief of Psychiatry at Penn Presbyterian Medical Center, he is responsible for the quality and clinical performance of the inpatient, intensive outpatient, assessment, and consult liaison services. The Penn Behavioral Health Addictions Services program at Presbyterian was awarded the UPHS CEQI Quality Award for Clinical Excellence in 2001 and 2002. His teaching was recognized with the Dean's Award for Excellence in Clinical Teaching in an Affiliated Hospital in 2005.

Dennis J. Dlugos, M.D.

*Associate Professor of Neurology at
The Children's Hospital of Philadelphia*

Dr. Dlugos is a highly productive, nationally prominent pediatric epileptologist whose clinical research focuses on early identification of long-term prognosis in pediatric epilepsy. His research has been published in leading specialty journals including *Neurology*, *Archives of Neurology*, *Epilepsia*, and *Pediatric Neurology*. He is a member of two NIH Data Safety and Monitoring Boards, a scientific reviewer for Citizens United for Research in Epilepsy, and a member of an advisory panel for the Social Security Administration and Centers for Disease Control. Dr. Dlugos teaches medical students, residents, and fellows in the classroom and in the clinical setting and serves as the director of the EEG and Epilepsy Fellowship program. His teaching has been recognized with the Resident's Award for Teaching Excellence in Neurology in 2002 and the Faculty Honor Roll for Teaching Residents in General Pediatrics at CHOP in 2004 and 2007. He has been invited to speak at national meetings of the American Academy of Pediatrics, the American Clinical Neurophysiology Society, and the American Epilepsy Society.

David M. Eckmann, Ph.D., M.D.

*Horatio C. Wood Professor in
Anesthesiology and Critical Care*

Dr. Eckmann is an outstanding physician-scientist. He is an interdisciplinary researcher who brings a rare combination of expertise in engineering and anesthesiology and applies it to his work in the interfacial mechanics of intravascular gas embolism. He has developed productive interdisciplinary collaborations with colleagues in the School of Engineering and Applied Science. His research is focused currently on the development of novel methods for vascular delivery of therapeutic and diagnostic agents to specific tissues. He



has a history of continuous grant funding. He publishes in leading anesthesia and biomedical engineering journals including *Anesthesiology* and the *Journal of Fluid Mechanics*. He makes a significant contribution to teaching in the School of Medicine and the School of Engineering and Applied Science. Dr. Eckmann is an active member of professional and scientific societies and has provided committee service for the American Society of Anesthesiologists, Biomedical Engineering Society, and the American Heart Association and is a member of the scientific advisory board for the Association of University Anesthesiologists. He lectures nationally and internationally and has moderated scientific sessions at meetings such as the American Society of Anesthesiologists and Association of University Anesthesiologists.

Mirna Farah, M.D.

Associate Professor of Clinical Pediatrics

Dr. Farah excels as a pediatric emergency medicine clinician. She is a national expert in establishing and supporting family presence during procedures and resuscitation of children in the Emergency Department. The program she has established at CHOP serves as a model for other institutions nationally. She is also an outstanding teacher and a positive role model for trainees at all levels. Dr. Farah has been elected to the CHOP Faculty Teaching Honor Roll in 2001, 2002, and 2004 and has received the Jean A. Cortner Divisional Teaching Award for "excellence in and commitment to residents teaching" numerous times. She is an active participant and lecturer in continuing medical education courses.

Victor A. Ferrari, M.D.

Professor of Medicine at the Hospital of the University of Pennsylvania

Dr. Ferrari is recognized nationally and internationally for his innovative clinical and research contributions in noninvasive cardiac imaging, especially in the areas of echocardiography and cardiac magnetic resonance imaging (CMR). His research has focused on the evaluation of ventricular function in the normal and diseased heart, particularly in the setting of myocardial ischemia and infarction. He and his colleagues have pioneered the application of these techniques to rodent studies. His publications are numerous and noteworthy. He is on the editorial board of *Current Cardiology Reviews*. He has served on numerous NIH review panels, participated on a National Heart, Lung, and Blood Institute Strategic Plan Cardiovascular Working Group on Emerging and Evolving Technologies and is on the National Data Safety Monitoring Board for an NIH-sponsored clinical trial. Dr. Ferrari has received a number of teaching awards including the Francis H. Sterling Award for Educational Excellence, presented by housestaff for representing excellence in teaching and demonstration of humanistic qualities. He has been active in professional and scientific societies including the International Society of Magnetic Resonance in Medicine, the Society of Cardiovascular Magnetic Resonance, the American Heart Association, and the American College of Cardiology.

Franz Fogt, M.D., Ph.D., M.B.A.

Professor of Pathology and Laboratory Medicine at the Hospital of the University of Pennsylvania and the Penn Presbyterian Medical Center

Dr. Fogt is a prominent academic gastrointestinal pathologist who is recognized for his contributions in the field of diagnostic

and molecular pathology. His innovative translational research focuses on gastrointestinal pathology, particularly inflammatory bowel disease and neoplasia. He has used molecular approaches to study the distinction between sporadic adenomas in inflammatory bowel disease and IBD-related polyoid dysplasia. He is also one of the few investigators who is advancing the understanding of ophthalmologic pathology. Dr. Fogt has contributed numerous publications in notable journals including the *Journal of Pathology*, *Human Pathology*, and the *American Journal of Gastroenterology*. He is an ad hoc reviewer for the *International Journal of Cancer*, *Cancer*, *Annals of Oncology*, and *Cancer Detection and Prevention*.

Ian Frank, M.D.

Professor of Medicine at the Hospital of the University of Pennsylvania

Dr. Frank is a nationally recognized expert in HIV therapeutics and pathogenesis. He has designed, led, and participated in a number of large and complex HIV/AIDS clinical and vaccine trials in the AIDS Clinical Trials Group (ACTG). He has played a critical role in the growth of the NIH-sponsored Penn Center for AIDS Research (CFAR) and currently serves as the Director of the Clinical Core and Director of the Clinical/Therapeutics Program. In 2003, he received the Mazzoni Award for outstanding contributions in the fight against HIV/AIDS in Philadelphia. Dr. Frank has served on two NIH study sections. He received the Infectious Diseases Faculty Teaching Award in 2002. He is a member of many professional and scientific societies, including the American Association for the Advancement of Science, the Infectious Diseases Society of America, the International AIDS Society, and the Adult AIDS Clinical Trials Group.

Theodore J. Ganley, M.D.

Associate Professor of Orthopaedic Surgery at The Children's Hospital of Philadelphia

Dr. Ganley has achieved national prominence in the field of pediatric sports medicine and injury prevention. He has a particular focus on pediatric osteochondritis dissecans and pediatric ligament injuries. He has been a reviewer for the *American Journal of Sports Medicine* and the *Journal of Bone and Joint Surgery*. In 2006, he was selected for the American Academy of Orthopaedic Surgeons (AAOS) Leadership Fellows program, a national program which selects between ten and fourteen aspiring orthopaedists who have leadership potential. Dr. Ganley is actively involved in the education of medical students, residents, fellows, and colleagues. He collaborated with Dr. John Flynn to develop a Summer Scholars Program for medical students interested in academic orthopaedic surgery. He has developed and moderated a series of new instructional courses in the area of pediatric sports medicine for the American Academy of Orthopaedic Surgeons and has participated in courses at the annual meetings of the American Academy of Orthopaedic Surgeons, the American Academy of Pediatrics, the Orthopaedic Rehabilitation Association, and at the International Pediatric Orthopaedic Symposium.

Bruce J. Giantonio, M.D.

Associate Professor of Medicine at the Hospital of the University of Pennsylvania and the Penn Presbyterian Medical Center

Dr. Giantonio is a leader in the field of gastrointestinal medical oncology who is highly regarded for his expertise in the management of gastrointestinal and genitourinary cancer. He is an outstanding clinical investigator who has participated in and led investigator-initiated, cooperative studies in the development and testing of new anti-cancer drugs, such as his studies



of the angiogenesis inhibitor, bevacizumab, in combination with chemotherapy in the treatment of colorectal carcinomas. Since 1996, he has served as the Executive Officer of the Eastern Cooperative Oncology Group (ECOG), one of the first and largest NCI funded clinical cancer research organizations. In this role, he has the opportunity to impact the direction of research as well as patient care. He is also a member of the Gastrointestinal Core Committee, Chair of the Audit Committee, and member of the Protocol Executive Review Committee of ECOG. Dr. Giantonio is an excellent teacher of medical students, residents and fellows in the inpatient and outpatient settings.

Joseph H. Gorman, III, M.D.

Associate Professor of Surgery

Dr. Gorman is widely recognized in the field of cardiothoracic surgery as a leader in basic and translational research. His research focuses on mitral valve three-dimensional geometry and its impact on the treatment of mitral regurgitation and ventricular remodeling in heart failure. Dr. Gorman has contributed numerous publications in notable journals such as *Circulation*, the *Journal of Thoracic and Cardiovascular Surgery*, and *Annals of Thoracic Surgery*. He has participated in an American Heart Association study section and several NIH study sections. Dr. Gorman teaches post-doctoral fellows, residents, and bioengineering students in the laboratory and clinical settings. He presents his work nationally and internationally. He is a member of a number of professional and scientific societies including election to the American Association for Thoracic Surgery in 2005, a highly selective academic association, and he was elected to the prestigious Cardiac Surgery Biology Club in 2005.

Michael Granato, Ph.D.

Professor of Cell and Developmental Biology

Dr. Granato is an accomplished and innovative developmental neurobiologist who uses zebrafish as a genetic model to study neural development. His research focuses on two areas: the developmental functions and molecular identities of genes that control neural development and axonal guidance; and the analysis of motor behaviors and their underlying genetic basis. In 2006, Dr. Granato's substantial contributions to his field were recognized by the presentation of the Humboldt Foundation F.W. Bessell Research Award. This prestigious award is given to internationally renowned scientists and scholars for their achievements to date and the expectation that they will continue to have a seminal impact on their field. He has an excellent history of grant funding. Dr. Granato has taught in the Neural Development and Genetics of Zebrafish course at the Marine Biological Laboratory at Woods Hole every year since 1998. He is a member of the Society of Neuroscience and the Society of Developmental Biology, and he is co-organizer of the 2010 International Conference on Zebrafish Development and Genetics meeting.

Chang-Gyu Hahn, M.D., Ph.D.

Associate Professor of Psychiatry at the Hospital of the University of Pennsylvania

Dr. Hahn is a translational laboratory researcher who has had substantial impact on the fields of bipolar and schizophrenia research through two primary lines of investigation. First, he uses olfactory receptor neurons from patients to study the molecular processes associated with the pathophysiology of psychiatric illnesses. This innovative olfactory epithelial biopsy approach allows him to assess the clinical relevance of neuronal signaling. Second, in a seminal study published in *Nature Medicine* in 2006, Dr. Hahn and his colleagues were able to demonstrate an important dysregulation in neuronal receptor

activity in the postmortem brain tissue from patients with schizophrenia. He is also an excellent clinician in the Mood and Anxiety Disorders Section, the Center for the Treatment and Study of Anxiety, and the General Ambulatory Psychiatry Clinic. He received the Young Investigator Award from the National Alliance for Research on Schizophrenia and Depression in 2000 and 2002, a Career Development Award from the NIMH in 2002, and the Theodore & Vada Stanley Foundation Research Award in 2005. He is a member of an NIH Study Section and has served as program chair for two meetings of the Association of Korean American Psychiatrists and as co-chair of a Symposium of the American College of Neuropsychopharmacology.

Ann L. Honebrink, M.D.

Associate Professor of Clinical Obstetrics and Gynecology

Dr. Honebrink is an outstanding gynecologist, administrator, and educator. She is the Director of Penn Health for Women at Radnor, the largest multi-disciplinary women's health program on the Main Line with a reputation for providing superior gynecologic care for women. Under Dr. Honebrink's leadership, the program has expanded to include sub-specialty care, nutrition, psychology, a sleep program, yoga, pilates, and weight management. She is an active and enthusiastic teacher of medical students and residents. In 2005, she was appointed Director of the Core Clinical Clerkship in Obstetrics and Gynecology. She has held leadership positions in numerous professional societies, including Vice President and President of the Obstetrical Society of Philadelphia.

Hallam Hurt, M.D.

Professor of Pediatrics at The Children's Hospital of Philadelphia

Dr. Hurt is a highly skilled clinical neonatologist who is recognized nationally for her research on perinatal drug abuse, the impact of maternal cocaine abuse on long-term developmental outcomes of children, and the effects of socioeconomic status on neurocognitive development. Through a long-term cohort study, she was one of the first to show that gestational cocaine exposure alone is not as important an influence on children's cognitive development as growing up in poverty in the inner city. She is continuing to follow the cohorts used in her study to explore neurocognitive development using functional magnetic resonance imaging. Dr. Hurt has been extremely successful at obtaining funding for her research. She holds editorial positions for *Pediatrics*, *Journal of Pediatrics*, and *Journal of Developmental and Behavioral Pediatrics*. Dr. Hurt is a stellar teacher of medical students, residents, and fellows. She has been named to The Children's Hospital of Philadelphia Faculty Honor Roll in 2004, 2005, and 2006 and, in 2006, she received the School of Medicine Scott Mackler Award for Excellence in Substance Abuse Teaching and the Istvan Seri, M.D., Ph.D. Faculty Teaching Award from the Division of Neonatal-Perinatal Medicine.

Ron Keren, M.D., M.P.H.

Associate Professor of Pediatrics at The Children's Hospital of Philadelphia

Dr. Keren is a nationally prominent pediatric health services researcher whose substantial contributions to his field are influencing clinical practice and national policy. He is recognized for the scientific rigor he brings to his work. He uses a variety of research methodologies including meta-analysis, cost-effectiveness analysis, and prospective observational studies to focus on such areas as the management of urinary tract infections, the determination of



risk for hyperbilirubinemia in neonates, and influenza infection. Dr. Keren is a dedicated and innovative educator of medical students, residents, and fellows. He has directed the academic general pediatric fellowship program, considered a national model for training health services researchers. He developed and serves as editor-in-chief of the Walter W. Tunnessen Pediatric Image Library, a Web-based library containing more than 4,000 cases and 10,000 clinical images with accompanying clinical information serving as an educational resource and reference for students and pediatric providers. Dr. Keren is a member of the Ambulatory Pediatric Association, the American Academy of Pediatrics, and the Society for Pediatric Research.

Janet L. Kwiatkowski, M.D.

Associate Professor of Pediatrics at The Children's Hospital of Philadelphia

Dr. Kwiatkowski is an accomplished clinician and researcher in the field of sickle cell disease and thalassemia, and other hematologic disorders. She was the first to demonstrate the importance of measuring the velocity in the anterior cerebral artery as an early indicator of higher risk for stroke for children with sickle cell disease and has been a key investigator in several multi-center clinical trials that have advanced the care of children with SCD. In recognition of her national reputation as a clinical investigator and her leadership skills, Dr. Kwiatkowski was elected to serve as the Chair of the international Thalassemia Clinical Research Network (TCRN), an initiative supported by the National Heart, Blood and Lung Institute. She has reviewed grants for the Canadian Blood Services and Indo-US Science and Technology Forum. Dr. Kwiatkowski excels as a teacher and mentor of medical students, residents and fellows. She is a member of the American Society of Hematology and the American Society of Pediatric Hematology/Oncology. She lectures nationally and internationally.

Daniel D. Langleben, M.D.

Associate Professor of Psychiatry at the Veterans Administration Medical Center

Dr. Langleben is an innovative clinical investigator who has gained international recognition for his interdisciplinary research in brain activity in the pathophysiology and treatment of addictive disorders and in the use of functional-MRI in the detection of deception. In his research on deception, he found that lying produces more activity than telling the truth in two regions of the brain. He is an editorial board member of *Current Psychiatry Reviews*. Dr. Langleben is an active and enthusiastic educator of medical students, residents, fellows, and graduate students. He serves as a preceptor for the Johnson Foundation High School Summer Research Program that provides Philadelphia public high school students with a hands-on research experience. He lectures nationally and internationally. He has had an organizing role in sessions of the College on Problems of Drug Dependence Annual Meetings in 2003 and 2005.

Terri M. Laufer, M.D.

Associate Professor of Medicine

Dr. Laufer is a nationally prominent cellular and molecular immunologist who focuses on the development and activation of CD4+ T cells, specifically how these cells are activated by major histocompatibility class II-positive antigen presenting cells (APCs) including dendritic cells, macrophages, and B cells. To pursue this important research, she developed a series of knockout and transgenic mice. Unfortunately, a viral infection decimated her animal colony for more than two years, with devastating impact on her ability to conduct her work. Remarkably, during this time period, she was able to develop productive collaborations, publish, and develop a recently awarded R01 grant on which she is principal

investigator. A number of her publications have been highly cited. In 2004, she received the Robert Austrian Faculty Research Award for outstanding bench research from the Department of Medicine. In 2005, she was elected to the prestigious American Society for Clinical Investigation. She is associate editor for the *Journal of Clinical Investigation*. Dr. Laufer is a highly regarded teacher of graduate students and medical students in the classroom, laboratory, and inpatient and outpatient settings. In recognition of her excellence as an educator, she was appointed director of the basic immunology course sponsored by the American Association of Immunologists, a course that attracts several hundred students annually from across the country.

Stephen S. Leff, Ph.D.

Associate Professor of Clinical Psychology in Pediatrics at The Children's Hospital of Philadelphia

Dr. Leff is making significant contributions to the field of preventing school-based violence, a socially significant and timely area of study. He is an expert in community-based participatory research (PAR), combining prior empirical research findings and psychological theory with feedback from research participants, such as teachers, community members, parents, and students, in order to ensure the psychometric soundness and cultural meaningfulness of the research and clinical services provided. Dr. Leff focuses on the development, implementation, and evaluation of school-based prevention programs designed to reduce aggressive behavior and violence, victimization, and bullying in urban schools. In addition, he provides services in the ADHD Center and Community Schools Program at CHOP, a program he started with Dr. Stephen Soffer. Dr. Leff has been extremely successful in obtaining external grant funding for his research. He is a member of the editorial advisory board of *School Psychology Review*

and an active reviewer for numerous other journals. Dr. Leff serves as Director of Research Training for the Leadership Education in Neurodevelopmental Disabilities (LEND) program, a prestigious, interdisciplinary federally funded leadership training program.

Susan J. Mandel, M.D.

Professor of Medicine at the Hospital of the University of Pennsylvania

Dr. Mandel is known internationally for her pioneering approach to the diagnosis and management of thyroid cancer and the management of thyroid disease during pregnancy. She developed a model Thyroid Nodule Clinic, a successful multidisciplinary, interdepartmental collaborative initiative which provides comprehensive diagnostic evaluation of patients with thyroid nodules using ultrasound guided fine-needle aspiration biopsies of these lesions. She is the Associate Chief in the Division of Endocrinology, Diabetes and Metabolism and the Director of Clinical Endocrinology, Diabetes and Metabolism, and Director of the PENN Thyroid Center for the Health System. She is considered the "go-to" specialist for thyroid disease in the tri-state area, and patients are referred nationally for evaluation of complicated thyroid cancer. She has been a leader in the development of clinical guidelines that have set the standards for thyroid cancer care. She serves on the editorial boards of *Endocrine Practice* and *Nature Clinical Practice Endocrinology & Metabolism*. Dr. Mandel directs the highly regarded fellowship training program in endocrinology, diabetes, and metabolism. She developed the curriculum for teaching thyroid ultrasound to endocrinologists and has directed this course since 2003 for the Endocrine Society. In 2006, she developed an advanced ultrasound course that is offered in conjunction with the American Thyroid Association Meeting.



David J. Margolis, M.D., Ph.D.

Professor of Dermatology

Dr. Margolis is recognized internationally as a pioneer and leader in dermatoepidemiology, the application of epidemiological and clinical epidemiological methods to research in such areas as wound healing and skin diseases. His contributions include the development of new methods for conducting clinical trials in wound healing that have been adopted as the standard by the FDA and establishing a link between antibiotic use and the development of pneumonia. He has an impressive record of grant funding. His publications are in leading journals including the *Journal of the American Academy of Dermatology*, the *Journal of Investigative Dermatology*, and the *Journal of Clinical Epidemiology*. He is associate editor of *Journal of Investigative Dermatology* and is on the editorial boards of *Wounds*, *Wound Repair and Regeneration*, and *Current Diabetes Reviews*. He has served on NIH Special Emphasis Panels and Data and Safety Monitoring Boards for the NIH and industry. Dr. Margolis serves as the Director of the Patient Oriented Research Track in the MSCE program. He received the Excellence in Teaching Dermatology Award in 2004 and the Dean's Award for Excellence in Basic Science Teaching in 2005. He has held positions in many professional and scientific societies and is currently on the board of directors of the Wound Healing Society and the American DermatoEpidemiology Network. At Penn, Dr. Margolis serves as chair of the University's Conflict of Interest Standing Committee. His appointment to this prestigious and important institutional role is evidence of the high regard in which he is held as well as his strong sense of citizenship.

Clyde Markowitz, M.D.

Associate Professor of Neurology at the Hospital of the University of Pennsylvania

Dr. Markowitz is a nationally prominent neurologist with expertise in the diagnosis and management of patients with multiple sclerosis (MS). He has served as Director of the Multiple Sclerosis Center at HUP since 2003 and sees patients in consultation from a broad geographic region. He is an active and productive clinical investigator who has established and developed Penn's Multiple Sclerosis Program as a premier site for recruitment of patients for clinical trials and other collaborative research. Currently, he is the lead investigator, co-investigator, site principal investigator or participant for trials evaluating the efficacy and side effects of both established and novel agents for combating MS. Dr. Markowitz is an excellent teacher of medical students, residents, fellows, faculty, and community physicians. As Chair of the National MS Society's Delaware Valley Chapter Clinical Advisory Committee since 2004, he has served as an educator and advocate for patients with MS and their care providers and physicians. He is a member of the American Academy of Neurology and the Multiple Sclerosis Cooperative Research Group. He presents his work locally, regionally, and nationally.

James Metz, M.D.

Associate Professor of Radiation Oncology at the Hospital of the University of Pennsylvania

Dr. Metz has made landmark contributions to the field of Internet-based medical informatics. He serves as Editor-in-Chief of OncoLink, an award winning Web site developed by cancer specialists at the University of Pennsylvania in 1994. Dr. Metz has also served a key role in the development and planning of the Roberts Proton Therapy Center, opening in 2009. This center will be the largest and most comprehensive proton therapy center in the

world and one of only six such centers in the nation, offering the ability to fully integrate conventional radiation treatment with proton radiation. Dr. Metz is a highly skilled and compassionate radiation oncologist who specializes in the management of gastrointestinal malignancies. In 2008, he was appointed Associate Director for Clinical Services and Programs at the Abramson Cancer Center. He has a continuous history of securing extramural funding. Dr. Metz is a highly regarded teacher of residents and medical students. He has held organizing roles for meetings of the American Society of Therapeutic Radiation and Oncology and currently serves on their IT Development and Resources Committee.

Kevin E.C. Meyers, MBCh

Associate Professor of Pediatrics at The Children's Hospital of Philadelphia

Dr. Meyers is an accomplished pediatric nephrologist whose research focuses on compliance, pediatric renal transplantation, hypertension, and glomerular disorders. He has made important contributions to the research in Goodpasture syndrome, a rare autoimmune disease that can affect the lungs and kidneys. In addition to participating in an NIH funded Cooperative Clinical Pediatric Transplant Trials (CCPTT), now called Clinical Trials in Organ Transplantation – Children (CTOT-C), he is studying patients with fibromuscular dysplasia and is developing a national registry and collaborative network for molecular genetic studies in this disorder. Dr. Meyers' expertise in end-stage renal care including dialysis and transplantation has enabled the program at CHOP to become one of the largest pediatric end-stage renal care programs in the United States. He received the Master Clinician Award from CHOP in 2007. Dr. Meyers excels as a teacher of medical students, residents, fellows, and nurses. In 2003, he received the Jean A. Cortner Divisional

Teaching Award for excellence in teaching residents. He has served as director of the nephrology fellowship program since 2004. He is a member of a number of professional and scientific societies such as the International Pediatric Nephrology Association, American Society of Transplantation, and International Society of Nephrology. He serves on the Ethics Board of the United States National Organ Sharing Network (UNOS).

Dimitrios S. Monos, Ph.D.

Professor of Pediatrics at The Children's Hospital of Philadelphia

Dr. Monos has made important contributions to the field of inflammatory and immune disorder immunogenetics, focusing on the structural and functional aspects of histocompatibility (HLA) antigens. The objective of his research is to elucidate the basic mechanisms that cause insulin-dependent diabetes, rejection episodes in solid organ transplantation, and graft versus host disease in bone marrow transplantation. He has served as the Director of the Immunogenetics Laboratory at CHOP since 1996. Under his leadership, the laboratory has become a critical component of the clinical transplantation programs at CHOP, including bone marrow and solid organ programs. He serves on the editorial board of *Diabetes* and is a reviewer for numerous journals including *New England Journal of Medicine*, *Journal of Immunology*, and the *Journal of Leukocyte Biology*. He is a member of a number of professional and scientific societies including the International Affairs Committee of the National Marrow Donor Program.



Zissimos Mourelatos, M.D.

*Associate Professor of Pathology
and Laboratory Medicine*

In a short period of time, Dr. Mourelatos has emerged as a leader in the highly competitive field of small RNA biology. He is a highly accomplished academic neuropathologist who has advanced the knowledge of RNA biology in two major areas: the basic nature of small regulatory RNAs (miRNAs) and the ways in which dysregulation of RNA pathways contributes to neurodegenerative diseases and tumors. He has developed technology to profile miRNAs and to study their cellular and subcellular distribution in healthy and diseased tissues. More recently, Dr. Mourelatos' laboratory has studied piwi-associated RNAs (piRNAs) which were discovered in 2006. He and his colleagues discovered that mammalian piRNAs contain a terminal modification that distinguishes them from miRNAs and he has also identified the mammalian enzyme that carries this modification. A number of his publications are frequently cited. In 2006, he received the School of Medicine's Michael S. Brown New Investigator Research Award. Dr. Mourelatos makes important teaching and mentoring contributions to graduate and postdoctoral education. He is the program director of the neuropathology fellowship program.

Kim M. Olthoff, M.D.

Professor of Surgery

Dr. Olthoff is an outstanding academic transplant surgeon who is highly regarded for her clinical acumen, clinical leadership, and her contributions to research. Her clinical and basic research focuses on liver regeneration, living donor transplantation, and immunologic monitoring studies in transplant recipients. She serves on the editorial boards of *Journal of Surgical Research*, *Journal of Pediatric*

Transplantation, and *Liver Transplantation*. She is a member of an ongoing NIH advisory committee for the National Institute of Diabetes and Digestive and Kidney Diseases Action Plan for Liver Research, and she participated in the development of a five year transplantation research plan as a member of the NIH Advisory Expert Panel on Transplantation Research. In 2004, she became the Director of the Liver Transplant Program at HUP. In 2005, she was named Co-Director of the Transplant Center at CHOP. Dr. Olthoff serves as the educational coordinator of the division of transplant surgery and is responsible for the supervision and development of the curriculum for medical students and general surgery residents on the transplant service. She is an active member of a number of professional and scientific societies including the American Society of Transplant Surgeons, the Association of Academic Surgery, and the American Society of Transplantation and has held organizing and leadership roles in these societies.

David L. Porter, M.D.

*Professor of Medicine at the Hospital
of the University of Pennsylvania*

Dr. Porter excels as a clinical investigator, clinician, and educator. He is a nationally recognized translational hematologist whose research focuses on the use of allogeneic T cells for anti-tumor therapy in the context of stem cell transplantation, and he is an expert in designing and conducting clinical trials. He pioneered the use of delayed lymphocyte infusion to induce a controlled graft versus host effect as immunotherapy of chronic myelogenous leukemia. He has published in high profile journals including *Blood* and the *Journal of Clinical Oncology*. He is associate editor of the *American Journal of Hematology*. In 2007, he was the recipient of the regional Leukemia and Lymphoma Society's Hope Award for Medical Achievement. Dr. Porter

is an outstanding teacher and mentor of medical students, residents, fellows, and junior faculty, particularly in the clinical setting. He is a member of the Advisory Committee and Chair of the Scientific Review and Data Safety Monitoring Board for the Center for International Blood and Marrow Transplant Research and has served on review groups for the National Cancer Institute.

Rahim R. Rizi, Ph.D.

*Associate Professor of Radiology**

Dr. Rizi is an innovative investigator who has advanced the field of hyperpolarized-gas magnetic resonance imaging. His research focuses on the development and application of hyperpolarized helium magnetic resonance imaging of the lung from mouse models to the human subject and on the application of hyperpolarized carbon-13 for metabolic imaging. He has been highly successful in garnering extramural funding for his research. He is currently guest editor for *Academic Radiology* and has served as a reviewer for a number of additional journals. He is an ad hoc reviewer for several NIH study sections. He is an effective and successful mentor of postdoctoral fellows and students. He has received high praise for the international workshops he has organized at Penn.

Paul Robins, Ph.D.

*Associate Professor of Clinical Psychology
in Psychiatry*

Dr. Robins is an excellent, innovative, and committed pediatric psychologist. He is actively involved in multiple programs and initiatives at CHOP. He played an essential leadership role in redesigning the way behavioral health services are provided to inpatients at CHOP, resulting in the establishment of the Behavioral Health Integrated Program. In recognition of

his outstanding contributions to the science and profession of psychology, he became a Fellow in the American Psychological Association in 2007. Dr. Robins participates in a wide range of teaching activities for psychologists, psychology interns, pediatric residents, and community pediatricians. In 2006, Dr. Robins was honored with the Board of Educational Affairs Award for Distinguished Contributions for the Education and Training of Child and Adolescent Mental Health Psychologists by the American Psychological Association.

Michael Robinson, Ph.D.

*Professor of Pediatrics**

Dr. Robinson is internationally acclaimed as a leading investigator in the pharmacology and regulation of glutamate transporters in the central nervous system. He uses a variety of cellular and molecular approaches to study transcriptional and post-translational regulation of these transporters. He has a history of continuous grant funding. He has contributed numerous publications in high impact journals including *Nature Medicine*, *Proceedings of the National Academy of Sciences*, *Human Gene Therapy*, and the *Journal of Neuroscience*. He serves on the editorial boards of *Molecular Pharmacology* and *Neuropharmacology*. Dr. Robinson makes exceptional contributions to graduate education as teacher and mentor. He has served on numerous grant review panels and NIH Study Sections. He is widely praised for his contributions as a University citizen.

*Faculty appointment has been converted to tenure.



Edna P. Schwab, M.D.

Associate Professor of Clinical Medicine

Dr. Schwab is an outstanding clinician, committed educator, and respected administrator. She is recognized for her clinical expertise in geriatrics and rheumatology. As the Chief of Geriatric Medicine and Extended Care at the Veterans Administration Medical Center, she is responsible for planning and managing clinical and teaching programs. She has led or assisted in the growth of numerous programs including an inpatient geriatric consultation program, an inpatient palliative care consultation service, and community services such as home based primary care. She has chaired the Pharmacy and Therapeutics Committee at the VA Medical Center since 2000. Dr. Schwab teaches medical students, residents, fellows, and nurses. She is the Program Director of the highly successful Geriatric Medicine Fellowship Program. She has participated in the development of the geriatric rheumatology study group of the American College of Rheumatology and is active in the Association of Geriatric Fellowship Program Directors.

Richard J. Schwab, M.D.

Professor of Medicine at the Hospital of the University of Pennsylvania

Dr. Schwab is a leader in the field of sleep medicine who focuses on the pathogenesis of obstructive sleep apnea utilizing novel upper airway imaging techniques. He collaborates with colleagues in radiology and biomechanical and computer engineering to develop cutting edge computer graphics-based software to model the biomechanical interrelationships between the soft tissue structures and the upper airway. He has served as a member of special emphasis panels for the NIH. Dr. Schwab makes important educational contributions in the School of Medicine and nationally. He is the course director of a highly successful annual continuing

medical education program. He is a member of a number of professional and scientific societies and is currently chair of the planning committee of the American Thoracic Society. He has held organizing roles in meetings including chairing sessions for the American Thoracic Society and chairing a symposium for the 5th World Sleep Congress of the World Federation of Sleep Research and Sleep Medicine Societies.

Donald F. Schwarz, M.D.

Professor of Pediatrics at The Children's Hospital of Philadelphia

Dr. Schwarz has an extraordinary record of contributions in adolescent medicine, adolescent health, community relations for youth, and community interactions. His research has focused on prevention and behavior change, including HIV/AIDS, adolescent pregnancy, adolescent violence, injury, and lead poisoning. He has worked successfully in the community to recruit and maintain subjects in longitudinal studies. In January 2008, he was named Deputy Mayor for Health and Opportunity and Health Commissioner of the City of Philadelphia. In this role, he provides leadership and sets policy for the divisions of the Philadelphia Department of Public Health that provide direct services to the Philadelphia community. He has served as a board member or advisor to numerous community based organizations focused on improving the health of urban youth. Dr. Schwarz is a highly valued and respected educator and mentor. He was the recipient of the Robert Dunning Dripps Memorial Award for Excellence in Graduate Medical Education in 2004. He is the Fellowship Director for the Division of Adolescent Medicine and the Associate Director of the Robert Wood Johnson Foundation Clinical Scholar Program at Penn. Dr. Schwarz is recognized as an important mentor for many individuals who now hold leadership positions throughout the country. He is a member of a number of professional and scientific societies.

Harish Sehdev, M.D.

Associate Professor of Clinical Obstetrics and Gynecology

Dr. Sehdev is an outstanding and highly productive clinician who is widely known as a leader in the delivery of quality care in obstetrics and for his expertise in high risk pregnancies and prenatal diagnosis. He is the Director of the Prenatal Diagnosis program at Pennsylvania Hospital. Under his leadership, the program has experienced extraordinary growth. As an educator, Dr. Sehdev is a key individual in the training of medical students, residents, and fellows. He serves as course director for the Maternal Fetal elective at Pennsylvania Hospital. His teaching abilities have been recognized with several awards including the Clarence Briscoe Award for Excellence in the teaching and practice of obstetrics and gynecology and the Council on Resident Education in Obstetrics and Gynecology Award for Excellence in Resident Education.

Brian J. Sennett, M.D.

Associate Professor of Orthopaedic Surgery at the Hospital of the University of Pennsylvania

Dr. Sennett is recognized nationally for his important contributions to the field of sports medicine and for his leadership in the development and growth of the multidisciplinary sports medicine program at the University of Pennsylvania. His research interests have evolved from cervical spine injuries in football players and their relationship to cervical quadriplegia to the epidemiology and outcomes of sports related injuries. He received the American Medical Society of Sports Medicine Top Research Award in 2004 and the Ranawat Award from the Eastern Orthopaedic Association in 2005. Dr. Sennett is Director of the Penn Sports Medicine Fellowship Program. In 2005 and 2006, he received the Jesse T.

Nicholson Award for outstanding teacher in his department. Dr. Sennett is a member of a number of professional and scientific societies and he has been a session moderator for annual meetings of the American Academy of Orthopaedic Surgery and the American Orthopaedic Society for Sports Medicine. He will chair the meeting of the Orthopaedic Rehabilitation Association in September 2008.

Maully J. Shah, MBBS

Associate Professor of Pediatrics at The Children's Hospital of Philadelphia

Dr. Shah is a highly skilled and innovative pediatric electrophysiologist whose collaborative clinical research focuses on pediatric pacing and devices, radiofrequency ablation, and sudden cardiac death in children. She is a reviewer for a number of journals including *Circulation*, *Journal of Pediatrics*, and *American Journal of Cardiology* and is on the editorial board of *Annals of Pediatric Cardiology*. She was named Director of Interventional Electrophysiology in 2003 and Associate Director of Electrophysiology in 2006. Dr. Shah is a respected teacher of medical students, pediatric residents, cardiology fellows, and nurses. She lectures nationally and internationally including prestigious meetings such as the Japanese Society of Pediatric Cardiology and Cardiac Surgery and the Russian Congress of Cardiology Meeting.

Justine Shults, Ph.D.

Associate Professor of Biostatistics in Biostatistics and Epidemiology at the Hospital of the University of Pennsylvania

Dr. Shults is a nationally prominent biostatistician who is recognized for substantial contributions to methodological and collaborative research. Her methodological research focuses on the development of statistical approaches for correlated data. She is widely recognized for the development



and application of the method of quasi-least squares (QLS), an innovative computational method for estimation of the correlation parameters in the framework of Liang and Zeger's generalized estimating equation (GEE). She is highly collaborative, providing statistical collaboration on longitudinal studies in psychiatry, pediatrics, and nutritional epidemiology. Dr. Shults has an exceptional record of funding. She has published in leading biostatistics journals including *Biometrics* and *Statistics in Medicine* and in other top journals such as *The New England Journal of Medicine*. Dr. Shults' teaching contributions have been recognized with the University of Pennsylvania Graduate Program in Biostatistics Teaching Award in 2003 and 2006. She is a member of national and international biostatistics societies.

Steven J. Siegel, M.D., Ph.D.

Associate Professor of Psychiatry

Dr. Siegel is a highly innovative and productive basic scientist and translational researcher who is one of the leading national experts in the field of schizophrenia treatment research. Among his accomplishments are his research on auditory evoked potentials in mice as a measure of global brain activity and development of new treatment modalities for schizophrenia, particularly implantable systems for the long term delivery of antipsychotic drugs. He has an impressive record of extramural grant funding. He is on the editorial board of *Behavioral Neuroscience*. He is the Director of the Stanley Center for Experimental Therapeutics, a multidisciplinary and collaborative research program focused on the treatment and understanding of schizophrenia and the development of innovative treatment strategies and basic science studies related to the neurobiology of schizophrenia.

Doris A. Stoffers, M.D., Ph.D.

Associate Professor of Medicine

Dr. Stoffers is a leader in the field of islet biology who focuses on transcriptional regulation of pancreatic beta cell growth and development. Her substantial research contributions are clinically relevant to type 1 and type 2 diabetes mellitus. Her research has been recognized by a prestigious Career Development Award from the American Diabetes Association and election to the American Society for Clinical Investigation. Dr. Stoffers has contributed a number of highly cited publications in prominent journals such as *Molecular Cellular Biology*, *Journal of Clinical Investigation*, and *Diabetes*. She is on the editorial boards of *Diabetes*, *Current Review of Diabetes, Endocrinology, American Journal of Physiology: Endocrinology, Metabolism*, and *Journal of Clinical Investigation*. Dr. Stoffers is recognized as an outstanding mentor. She is a regularly invited lecturer nationally and internationally including Keystone Symposia and special symposia of the Endocrine Society and the American Diabetes Association. She has held organizing roles in scientific meetings of the Endocrine Society and the American Diabetes Association and has served as a member of NIH study sections and special emphasis panels.

Vivianna M. Van Deerlin, M.D., Ph.D.

Associate Professor of Pathology and Laboratory Medicine at the Hospital of the University of Pennsylvania

Dr. Van Deerlin has quickly emerged as a leader in the field of molecular pathology. Her research focuses on the genetics and pathophysiology of neurodegenerative disorders, including frontotemporal disease, Alzheimer's Disease, Parkinson's Disease, amyotrophic lateral sclerosis, and other related disorders. She is on the editorial board of *Molecular Diagnosis*. She is the director of the

Molecular Pathology Laboratory, a full-service diagnostic laboratory that performs cutting-edge clinical molecular tests for inherited disorders, leukemias, lymphomas, solid tumors, infectious diseases, and identity testing. Dr. Van Deerlin is an outstanding educator of medical students, residents, and fellows. She directs the molecular genetic pathology fellowship program, a program she created in 2001 and that was among the first two programs nationally to be accredited by the Accreditation Council for Graduate Medical Education (ACGME). She is active nationally in molecular pathology education with many invited lectures including workshops for the ACGME Accreditation for Molecular Genetic Pathology and College of American Pathologists. She has served as chair of the Training and Education Committee of the Association of Molecular Pathology.

Ralph J. Verdino, M.D.

Associate Professor of Medicine at the Hospital of the University of Pennsylvania, Veterans' Administration Medical Center and Penn Presbyterian Medical Center

Dr. Verdino excels as clinician, investigator, and educator. He is an outstanding, nationally prominent clinical cardiologist and electrophysiologist. He is an expert in cardiac arrhythmia devices, biventricular resynchronization devices, and implanted fibrillators, and in the management of patients with atrial fibrillation. Dr. Verdino is an active and highly regarded teacher of medical students, residents, and fellows. Since 2001, he has directed the Electrophysiology Fellowship Program and coordinated the Fellows' EKG and Electrophysiology Conference. He received the University of Pennsylvania Distinguished Teaching Award in Cardiology in 2003. In 2005, he was recognized by the American College of Cardiology as "Emerging Faculty of the College." He is active in a number of

professional and scientific societies and holds appointments on two national scientific committees, the Clinical and Research Training Committee of the Heart Rhythm Society and the Clinical Cardiac Spotlight Committee of the American College of Cardiology.

Sergei A. Vinogradov, Ph.D.

*Associate Professor of Biochemistry and Biophysics**

Dr. Vinogradov is an accomplished, interdisciplinary researcher who has made pioneering contributions in the areas of the molecular design of dendrimeric porphyrins, synthetic chemistry, and in vivo oxygen sensing. He has established highly productive collaborations at the University of Pennsylvania, nationally, and internationally. His work is recognized for its potential clinical applications. He has six patents and two additional patents pending. He has served on grant review and special emphasis panels for the NIH and as a grant reviewer for the National Science Foundation. Dr. Vinogradov is a member of national and international professional and scientific societies, including the International Society of Oxygen Transport to Tissue, the American Chemical Society, Optical Society of America, and International Society of Porphyrins and Phthalocyanines.

Kevin G. Volpp, M.D., Ph.D.

Associate Professor of Medicine

Dr. Volpp is making landmark contributions to health care policy and research. He uses the foundations and methods of economics to address how regulatory and financial policies affect health care decisions in such areas as the impact on quality of price competition among hospitals; the impact on quality and health care disparities of financial stress in hospitals; the effect of ACGME work hour

*Faculty appointment has been converted to tenure.



regulations on physicians in training; and the effectiveness of financial incentives in changing patient behaviors. Dr. Volpp has received highly competitive national awards including the Doris Duke Foundation Clinical Scientist Development Award in 2002, the Presidential Early Career Award for Scientists and Engineers (PECASE) in 2005, the Society of General Internal Medicine Outstanding Junior Investigator Award and the John Thompson Award from the Association of Programs in Health Administration in 2006. In 2007, he received the Alice S. Hersh New Investigator Award from Academy Health, the leading national organization for health services research. His contributions have been recognized internally with receipt of the Robert Austrian Award for Evaluative Research in 2005 and the Marjorie A. Bowman New Investigator Research Award in 2007. He was elected to the American Society of Clinical Investigation in 2008. He is an excellent educator and mentor.

Mark G. Weiner, M.D.

Associate Professor of Medicine at the Hospital of the University of Pennsylvania

Dr. Weiner is a leader in the field of biomedical informatics. He developed and maintains the Pennsylvania Integrated Clinical and Administrative Research Database (PICARD), a comprehensive information system containing a cross-sectional and longitudinal view of health care delivered throughout UPHS. The database integrates patient information from several administrative and clinical systems and is designed to support researchers in their projects. He also created the VA Longitudinal Online Research Database (VALOR). In 2001, he was named Associate Director of Clinical Research Development in the Office of Human Research. In this role, he is responsible for coordinating and facilitating the introduction of clinical research protocols

within UPHS. He has served on study sections and special emphasis panels for the Agency for Healthcare Research and Quality. Dr. Weiner is an excellent and enthusiastic teacher and mentor in both the clinical and informatics research areas. He is a member of a number of professional and scientific societies and serves on subcommittees of the American Medical Informatics Association and the Society of General Internal Medicine.

Ronald L. Wolf, M.D., Ph.D.

Associate Professor of Radiology at the Hospital of the University of Pennsylvania

Dr. Wolf is an excellent academic clinical neuroradiologist whose research focuses on advanced magnetic resonance methods in neurovascular applications, particularly in the areas of acute and chronic cerebrovascular disease. In perfusion imaging of the brain, he uses a variety of techniques, including bolus contrast CT and MR perfusion, stable xenon CT perfusion, and arterial spin labeling. He is one of the first investigators to use arterial spin labeling for practical clinical application. Since 2002, he has directed the Magnetic Resonance Imaging subsection of the Neuroradiology Division. In 2000 and 2002, he was awarded the Editor's Recognition Award from the journal *Radiology*. Dr. Wolf is a highly regarded teacher of medical students, radiology residents, and neuroradiology fellows. He has lectured at prestigious meetings including the Annual Meeting of the American Society of Neuroradiology, the Scientific Meeting of the International Society of Magnetic Resonance in Medicine, and the Annual Meeting of the Eastern Neuroradiological Society.

Weidong Xiao, Ph.D.

Associate Professor of Pediatrics

Dr. Xiao is an innovative and productive investigator who is advancing the field of gene therapeutics. He is widely known for his contributions to research on adeno-associated viral (AAV) vectors and their use in basic science and translational research areas. In addition to his own independent research, Dr. Xiao has made significant contributions to several large program projects at Children's Hospital and Penn, serving as a core director for vector design and production. He has been highly successful in garnering support for his research program. He has published his work in leading scientific journals such as *Journal of Virology*, *Gene Therapy*, *Molecular Therapy*, *Human Gene Therapy*, *Blood*, and the *Proceedings of the National Academy of Sciences*. He has served as an ad hoc reviewer for multiple NIH study sections. Dr. Xiao actively participates in the education and mentoring of graduate students both in the classroom and in the laboratory. He is a member of the American Society of Microbiology and the American Society of Gene Therapy.

Albert C. Yan, M.D.

Associate Professor of Pediatrics at The Children's Hospital of Philadelphia

Dr. Yan is a leader in pediatric dermatology, a productive clinical researcher, a highly regarded educator, and an outstanding clinician. His research focuses on rare dermatologic diseases such as infections in atopic dermatitis, ichthyoses, infantile hemangiomas, and congenital melanocytic nevi. He is also studying pediatric dermatology workforce shortage issues and improved health care delivery. He is on the editorial boards of *Pediatric Dermatology*, *Logical Images*, and *Cutis*. He has served as Director of Pediatric Dermatology at CHOP since 2004. Dr. Yan has been on the CHOP

Housestaff Teaching Honor Roll every year since 2002, and he received the Department of Dermatology Teaching Award and the David Cornfield Bedside Teaching Award at CHOP in 2003. Dr. Yan was instrumental in establishing an American Board of Dermatology-approved joint pediatric dermatology fellowship at HUP and CHOP. He has held several leadership positions in national societies, including election to the Executive Committee of the American Academy of Pediatrics in 2007.

Hongming Zhuang, M.D., Ph.D.

Associate Professor of Radiology at the Hospital of the University of Pennsylvania and The Children's Hospital of Philadelphia

Dr. Zhuang is an internationally renowned academic nuclear medicine physician whose research focuses on the role of positron emission tomography (PET) in various disease states including tumors, infections, and inflammatory processes. Currently, he is investigating the use of PET imaging in inflammation and bone fractures. He has contributed numerous publications in leading journals in the field of medical imaging and is the associate editor of *Clinical Nuclear Medicine*. Since 2005, he has served as Division Chief for Nuclear Medicine at CHOP and, under his leadership, the average monthly volume has increased by more than 12 percent and innovations in the delivery of patient care have been implemented. Dr. Zhuang is an excellent teacher and research mentor for medical students, residents, and fellows. He is a contributor to the Society of Nuclear Medicine Lifelong Learning and Self-Assessment Program. He frequently moderates scientific sessions at the annual Society of Nuclear Medicine Meetings and has been an abstract reviewer for that Society's annual meeting since 2003.



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