



2015

PROMOTED FACULTY

RAYMOND AND RUTH PERELMAN
SCHOOL OF MEDICINE
AT THE UNIVERSITY OF PENNSYLVANIA

Reception

WEDNESDAY, NOVEMBER 4, 2015
5:30 p.m. – 7:00 p.m.

HENRY A. JORDAN, M'62
MEDICAL EDUCATION CENTER
3400 Civic Center Boulevard
Philadelphia, Pennsylvania

Program

PROMOTED FACULTY RECEPTION
5:30 P.M. – 7:00 P.M.

WELCOME REMARKS

J. LARRY JAMESON, MD, PhD

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

ADDRESS TO FACULTY

DAVID J. MARGOLIS, MD, PhD

Chair, Committee on Appointments and Promotions

CLOSING REMARKS

J. LARRY JAMESON, MD, PhD



Penn Medicine

NEWLY 2015 PROMOTED FACULTY

RAYMOND AND RUTH PERELMAN SCHOOL OF MEDICINE
AT THE UNIVERSITY OF PENNSYLVANIA

Nicholas Abend, MD

Associate Professor of Neurology at the Perelman School of Medicine

In a short period of time, Dr. Abend has achieved national prominence in the fields of pediatric neurocritical care and epilepsy. His research focuses on improving the diagnosis and management of electroencephalographic seizures in critically ill children. He was named Medical Director of Clinical Neurophysiology at CHOP in 2010. He is a founding member of the Pediatric Critical Care EEG Consortium which provides an infrastructure for multi-center studies. His publications are in leading journals including *Neurology*, *Lancet Neurology*, and *The Journal of Pediatrics*. He received the department's award for resident teaching in 2012.

Ravi K. Amaravadi, MD

Associate Professor of Medicine at the Perelman School of Medicine

Dr. Amaravadi is making major contributions to the fields of autophagy and melanoma. He has been successful in securing funding for his research. In 2013, he was named Co-Leader of the Cancer Therapeutics Program in the Abramson Cancer Center. He was elected to The American Society of Clinical Investigation in 2015. He is a member of the editorial board of *Autophagy*. He has reviewed grants for many organizations including the NIH, the Austrian Science Fund, Health Research Ireland, and Cancer Research UK. He is a member of the American Association for the Advancement of Science, the American Society of Clinical Oncology, the American Association for Cancer Research, and the Melanoma Research Foundation Breakthrough Consortium.

William V. Anninger, MD

Associate Professor of Clinical Ophthalmology

Dr. Anninger excels as a pediatric ophthalmologist with particular expertise in the medical and surgical management of children with cataracts and diseases of the anterior segment of the eye. He is a respected and effective educator of medical students, residents, and fellows. He serves as Pediatric Ophthalmology Residency Clerkship Director and Pediatric Ophthalmology Fellowship Director. He created and edits "A Child's Sight," a newsletter to educate providers on common ophthalmology clinical and social problems. He is a member of a number of safety committees at CHOP including the Laser Safety Committee, the Perioperative Quality and Safety Committee, and the Surgeons Safety Committee.

Sudha Ayyala Anupindi, MD

Associate Professor of Radiology at the Perelman School of Medicine

Dr. Anupindi is a leader in pediatric abdominal imaging. Her research complements her clinical activities and focuses on pediatric gastrointestinal imaging, with a particular interest in magnetic resonance imaging and ultrasound imaging of the bowel. She has been instrumental in introducing new examinations that have reduced radiation exposure. In 2014, she received the Richard H. Marshak International Lecturer Award from the Society of Abdominal Radiology (SAR). This award is presented to a member of the SAR who will represent the Society at the International Education Conference held annually in a country that cannot support education in the field of abdominal radiology.

John G.T. Augoustides, MD

Professor of Anesthesiology and Critical Care at the Perelman School of Medicine

Dr. Augoustides is an innovative academic cardiothoracic anesthesiologist whose research interests include the assessment of perioperative outcomes in adults undergoing aortic arch repair and deep hypothermic circulatory arrest and outcomes in lung transplantation. He is section editor of *Kaplan's Cardiac Anesthesia*, the leading textbook in the field. He is a member of the editorial boards of the *Journal of Clinical Anesthesia*, *Open Anesthesiology Journal*, and *Journal of Cardiothoracic and Vascular Anesthesia*. In 2014, he was named Program Director for the adult cardiothoracic anesthesiology fellowship at HUP. He was recently elected to the Association of Cardiac Anesthesiologists.

Anirban Banerjee, MD

Professor of Clinical Pediatrics

Dr. Banerjee is recognized for his outstanding clinical expertise and medical decision-making in pediatric cardiology, particularly echocardiography. He has brought new echocardiographic measurements to the Echocardiography Laboratory which has resulted in innovative methods of analyzing echocardiograms in complex patients. He is a dedicated and enthusiastic educator and mentor of medical students, residents, and fellows. He is a reviewer for a number of journals such as *The American Journal of Cardiology*, *Echocardiography*, and the *International Journal of Cardiology*.

Mathias Basner, MD, PhD, MSc

Associate Professor of Sleep and Chronobiology in Psychiatry

Dr. Basner has emerged as an international leader in the field of noise and sleep. His innovative research focuses on the effects of transportation noise on sleep and health, the neurocognitive, physiological and behavioral health consequences of chronic sleep restriction in the population at large and in occupations exposed to prolonged and irregular work schedules with significant safety-related outcomes and in aerospace medicine. He has published his research in high impact journals including *The Lancet*, *Sleep*, *Proceedings of the National Academy of Sciences*, and *The Journal of the American Medical Association*. He serves as an advisor to the World Health Organization for Community Noise Guidelines, as President of the International Commission on Biological Effects of Noise, and as a member of the Sleep Deprivation Steering Committee of the American Academy of Sleep Medicine. He is the University of Pennsylvania coordinator for the Aviation Sustainability Center for the Federal Aviation Administration Center of Excellence.

Edward M. Behrens, MD †

Joseph Hollander Associate Professor in Pediatric Rheumatology

In a short period of time, Dr. Behrens has established a reputation as a leader in pediatric rheumatology. His laboratory focuses on dendritic cell biology and their function in normal and pathologic immune responses. He focuses on TLR (toll-like receptor) signal transduction which plays an essential role in the activation of innate immunity by recognizing specific patterns of microbial components. He also studies Macrophage Activation Syndrome (MAS), a rare but fatal complication of a number of rheumatic, oncologic, infectious, and genetic disorders. He publishes his findings in the *Journal of Immunology*, *Journal of Biological Chemistry*, and the *Journal of Clinical Investigation*. He is an outstanding teacher in the clinical and the research settings.

Justin Bekelman, MD

Associate Professor of Radiation Oncology at the Perelman School of Medicine

Dr. Bekelman is a leader in the field of radiation oncology, particularly in cancer health services and comparative effectiveness. His research integrates methods from the fields of epidemiology, clinical trials, health economics, and public policy and focuses on comparative effectiveness to support treatment decisions, the drivers of low and high value cancer care, and alternative payment reform and care delivery models to promote accountable cancer care. He is an active and dedicated teacher and mentor of undergraduate and graduate students, medical students, postdoctoral fellows, residents, and fellows. He presents his work nationally and internationally. He serves on many committees for the American Society of Radiation Oncology, the American Society of Clinical Oncology, and the Radiation Oncology Institute.

† without tenure

Thane Blinman, MD

Associate Professor of Surgery at the Perelman School of Medicine

Dr. Blinman is a nationally recognized expert in minimally invasive surgery, the diagnosis, treatment, and long term care of children with gastroesophageal reflux (GERD), medical informatics, and trauma related protocols. At CHOP, he serves as Director of Minimally Invasive Surgery, a unique multidisciplinary program that supports patients and families following surgery and as Assistant Director of Trauma. He is a reviewer for a number of journals such as *Surgical Endoscopy*, *Pediatric Emergency Care*, and *Anesthesia and Analgesia*. He created an innovative simulation laboratory, the Pediatric Endoscopic Surgical Training and Advancement Laboratory (PEDESTAL), to train students on minimally invasive surgery. He has served as Director of the Pediatric General Surgery Fellowship Program since 2012.

Danielle Burkland, MD

Associate Professor of Clinical Obstetrics and Gynecology

Dr. Burkland is an accomplished and committed clinician and educator who provides both obstetrical and gynecological care across the lifespan. She is an expert in the evaluation and management of abnormal pap smears. She is Director of the Colposcopy Clinic and developed the patient management guidelines for the program. In 2014, she received the John J. Mikuta, MD, Award for Excellence in Professionalism in Women's Health. In 2013, she received the Council on Resident Education in Obstetrics and Gynecology National Faculty Award for Excellence in Resident Education. She serves on a number of committees for the department including the Quality Improvement Committee, Clinical Competency Committee, and the Tissue Committee, and chairs the Epic Governance Committee.

Monica E. Calkins, PhD

Associate Professor of Psychology in Psychiatry at the Perelman School of Medicine

Dr. Calkins has made major contributions to understanding the psychophysiological and neurocognitive features associated with the development of psychotic disorders. She focuses on schizophrenia endophenotypes and assessment and on diagnosis of psychosis and sub-psychosis across the lifespan. As Director of Clinical Research Assessment, she has led the conceptualization of assessment approaches, development, adaptation, and implementation of instruments, training, and supervision of assessors, establishment, and maintenance of quality control procedures, and use and interpretation of clinical data. She developed and implemented a diagnostic assessment training and supervision course for diagnostic interviewers in neuropsychiatry.

Shampa Chatterjee, PhD

Research Associate Professor of Physiology

Dr. Chatterjee is a productive independent and collaborative investigator who is recognized nationally for her investigations in reactive oxygen species signaling in endothelial cells with application to the pulmonary vasculature. Her research focuses on understanding how endothelial cells respond to stopping and resuming flow during acute lung injury or following lung transplantation. In 2015, she received the Hermann Rahn Award for Excellence in Pulmonary Research by the *American Journal of Physiology: Lung Cellular and Molecular Physiology*. She is a member of the editorial board of the *American Journal of Physiology: Lung Cellular and Molecular Physiology*. She is a member of the American Physiological Society, the American Society for Cell Biology, and the Pulmonary Vascular Research Institute.

Aaron Chen, MD

Associate Professor of Clinical Pediatrics

Dr. Chen is an excellent clinician, educator, and administrator. He has been instrumental in introducing bedside ultrasound technology to the emergency room at The Children's Hospital of Philadelphia. He is the Director of Bedside Ultrasound at CHOP and he developed and implemented a training course for the use of pediatric ultrasound at the emergency room bedside. He was elected to the Faculty Teaching Honor Roll at CHOP in 2014. He is a Fellow of the American College of Emergency Physicians and served as chair of the Pediatric Ultrasound Committee for the Academy Emergency Ultrasound.

Jason D. Christie, MD, MSCE

Professor of Medicine

Dr. Christie is an internationally prominent physician-scientist whose significant and novel research in lung injury, lung transplantation, and critical illness has advanced the field. He uses a multidisciplinary approach including genomics, proteomics, and epidemiology to investigate the mechanisms of advanced lung diseases, acute lung injury following transplantation, and critical illness syndromes. He founded and has been instrumental in leading the lung transplant outcomes group, a multi-centered effort studying the etiology and pathogenesis of primary graft dysfunction. He has served as Director of the Center for Translational Lung Biology and Program Leader for Transplantation in the Institute of Immunology since 2013. He was elected into The American Society of Clinical Investigation in 2012. In 2014, he served as Program Chair of the International Society of Heart and Lung Transplantation Annual Meeting and President of the International Congress on Lung Transplantation.

Meryl Cohen, MD

Professor of Pediatrics at the Perelman School of Medicine

Dr. Cohen makes substantial clinical, research, education, and leadership contributions in pediatric cardiology. She focuses on echocardiographic predictors of outcome of various congenital heart defects, assessment of peripheral vascular function, and the impact of obesity in children with heart disease. She co-edited a highly regarded textbook in pediatric echocardiography, *Echocardiography in Pediatric and Congenital Heart Disease*. She is an editorial board member of *Pediatric Cardiology* and *Pediatric Research*. She is an outstanding educator of medical students, residents, and fellows. She has been elected to the CHOP Faculty Honor Roll in 2010 through 2013. In 2002, she was named Associate Program Director of the fellowship training program at CHOP and was recently named Program Director. She has had numerous leadership positions for national organizations including the American Heart Association, the American Society of Echocardiography, the American College of Cardiology, and the Society of Pediatric Echocardiography.

Marina Cuchel, MD, PhD

Research Associate Professor of Medicine

Dr. Cuchel is a leader in the field of lipoprotein research. Her translational research focuses on lipoprotein metabolism and novel therapeutic approaches for the treatment of rare lipid disorders and cardiovascular disease prevention. She is acknowledged for her leadership in the development of lomitapide as a novel therapeutic for familial hypercholesterolemia. She chaired a writing group for the European Atherosclerosis Society on detection and management of familial hypercholesterolemia. She is a reviewer for a number of journals including *Circulation*, *The American Journal of Cardiology*, and the *Journal of Lipid Research*. She is a member of the International Atherosclerosis Society, the European Atherosclerosis, and the National Lipid Association.

Bohdana M. Discher, PhD

Research Associate Professor of Biochemistry and Biophysics

Dr. Discher is an accomplished, highly collaborative investigator who is recognized for her expertise in biochemistry and protein design and characterization. Her research focuses on the biophysics of molecular self-assembly of natural membranes with the goal to develop functional membrane alternatives. She is a reviewer for *Langmuir*, *American Institute of Physics Advances*, and *Biointerphases*. She makes significant contributions to mentoring undergraduate and graduate students and postdoctoral fellows. She presents her research nationally and internationally. She is a member of the Biophysical Society and the American Chemical Society. She has held organizing roles in scientific meetings including session chair at the annual meeting of the Biophysical Society and symposium organizer for the Material Research Society.

Joshua L. Dunaief, MD, PhD

Adele Niessen Professor of Ophthalmology

Dr. Dunaief is making seminal contributions to the vision research field. His innovative and influential research focuses on understanding and treating the pathogenesis of age-related macular degeneration, with a particular focus on the mechanisms of retinal iron regulation. He publishes his work in prestigious journals including *Cell*, *Nature*, and *The Journal of Biological Chemistry* and leading ophthalmology journals. He is a member of the editorial board of *Translational Vision Science and Technology*. He is an outstanding teacher and mentor of medical students, residents, fellows, graduate students, postdoctoral fellows, and undergraduate students. He is a member of the Association for Research in Vision and Ophthalmology, the International BioIron Society, the Macula Society, and the American Academy of Ophthalmology.

James C. Edgar, PhD

Associate Professor of Radiology at the Perelman School of Medicine

Dr. Edgar is an innovative clinical psychologist who has achieved national prominence for his use of advanced neuroimaging techniques. His research program uses electroencephalography (EEG), magnetoencephalography (MEG), and structural and diffusion magnetic resonance imaging to focus on the study of brain structure and function in psychiatric and neurological patient populations, particularly those with autism and schizophrenia. He also researches the strengths and weaknesses of neuroimaging techniques, including the development of new imaging systems. He is a member of a number of scientific and professional societies including the Society for Psychophysiological Research, the International Society for Brain Electromagnetic Topography, and the Schizophrenia International Research Society.

Tamara Feygin, MD

Associate Professor of Clinical Radiology

Dr. Feygin is an innovative and productive pediatric neuroradiologist. She led the development and implementation of magnetic resonance fluoroscopy in clinical practice for assessment of cerebral and spinal CSF flow dynamic, evaluation of efficiency of diverting endoscopic neurosurgical procedures, and evaluation of swallowing/phonotation in children with velopharyngeal incompetence in real time. She is a dedicated educator and mentor of undergraduate and medical students, residents, and fellows. She is first author on two chapters in the renowned pediatric textbook *Caffey's Pediatric Diagnostic Imaging* and co-editor of a book, *Real-Time Dynamic MR Imaging: Clinical Applications*. She has been invited to present her work nationally and internationally. She is a member of the European Society of Neuroradiology, the Radiological Society of North America, the Society for Pediatric Radiology, and the American Society of Neuroradiology.

Alexander G. Fiks, MD, MSCE

Associate Professor of Pediatrics at the Perelman School of Medicine

Dr. Fiks is a nationally recognized academic pediatrician whose research uses qualitative, quantitative, and informatics methods to investigate shared decision making between clinicians and families of children with chronic conditions to improve clinical decision making and outcomes and to reduce health care costs. In 2012, he was named Associate Medical Director of the Pediatric Research Consortium at CHOP and in 2014, he became the Associate Director of the Center for Pediatric Clinical Effectiveness. In 2013, he received The American Society for Clinical Investigation Young Physician-Scientist Award. He received the Jean Cortner Divisional Teaching Award in general pediatrics four times and the Outstanding Mentor Award from the American Pediatric Association in 2012. He is the Associate Director of Pediatric Research in Office Settings (PROS), the practice-based research network sponsored by the American Academy of Pediatrics.

Ilia Fishbein, PhD

Research Associate Professor of Pediatrics

Dr. Fishbein is an accomplished independent and collaborative researcher in the field of vascular biology. His research focuses on the development of interventions to counteract the pathological response to vascular stenting, particularly the delivery of drugs and gene vectors from stents. He has been successful in securing extramural funding to support his research program. He is an editorial board member of *Angiology: Open Access* and a reviewer for numerous additional journals including *Human Gene Therapy*, *The Journal of Gene Medicine*, and *Nanotechnology*. He is a member of the American Society of Gene and Cell Therapy and a member of the organizing committee for the 3rd International Conference on Translational Medicine.

Dale M. Frank, MD

Associate Professor of Clinical Pathology and Laboratory Medicine

Dr. Frank is an outstanding and highly productive pathologist who is sought after for his diagnostic expertise in hemopathology. He oversees the introduction of new immunohistochemical markers required for the state-of-the-art diagnostic workup of the specimens. He excels as an educator and mentor of medical students, residents and fellows. In 2014, he was named the Director of the hematopathology fellowship program. His innovative contributions in education include the development of the website for Penn Hematopathology that contains descriptions of more than 250 diagnostic cases and serves as an organizing tool for resident rotation. He also established a housestaff assessment curriculum to document growth and competence. He is a member of the American Society of Hematology and the College of American Pathologists.

Benjamin C. French, PhD

Associate Professor of Biostatistics in Biostatistics and Epidemiology at the Perelman School of Medicine

Dr. French is a nationally prominent independent and collaborative investigator and an outstanding educator. His collaborative research focuses on cardiovascular disease epidemiology, health economics, and clinical trial design. His methodological work involves regression models for longitudinal, clustered, and survival data. His peer-reviewed publications are in leading journals including *Biometrics*, *Statistics in Medicine*, *Statistical Methods in Medical Research*, *Circulation* and *The New England Journal of Medicine*. He excels as an educator and mentor of graduate students in biostatistics and clinical epidemiology. He founded and chairs the Student-Faculty Relations Committee in the division of biostatistics and serves on numerous additional education committees within the division and the Center for Clinical Epidemiology and Biostatistics (CCEB). He is a member of the International Biometric Society, the R Foundation for Statistical Computing, and the American Statistical Association.

Stephanie M.P.N. Fuller, MD

Associate Professor of Clinical Surgery

Dr. Fuller is a prominent pediatric and adult cardiac surgeon who is recognized for her commitment to life-long care of patients with congenital heart disease. In 2011, she was named Surgical Director of the Philadelphia Adult Congenital Heart Program, a unique program established between the Hospital of the University of Pennsylvania and The Children's Hospital of Philadelphia focusing on maintaining patient care for adult survivors of congenital heart disease. She is an excellent educator and mentor of medical students, residents, and fellows. She is a Fellow of the American College of Surgeons, the American College of Cardiology, and the American Heart Association. She serves on the Society of Thoracic Surgeons Workforce on Surgical Treatment of Adults with Congenital Heart Disease.

Paul J. Gadue, PhD

Associate Professor of Pathology and Laboratory Medicine

Dr. Gadue is a productive investigator who is advancing the stem cell field. His work focuses on the development of approaches to differentiate stem cells into specific effector cell types that can be used to treat human disease, particularly pancreas development and hematopoiesis. He has been successful in securing funding for his research. He is associate editor of *Stem Cell Research* and a reviewer for numerous additional journals. He is a dedicated and respected educator and mentor of medical students, graduate students, postdoctoral fellows, and undergraduate students. He is an invited speaker at many national and international meetings. He is an active member of the International Society for Stem Cell Research, the Society for Hematology and Stem Cells, the American Society of Gene and Cell Therapy, and the American Diabetes Association.

J. William Gaynor, MD

Professor of Surgery at the Perelman School of Medicine

Dr. Gaynor has achieved international acclaim in pediatric cardiac surgery. He investigates neurodevelopmental disabilities and outcomes associated with congenital heart disease and cardiac surgery, with a particular focus on genetic modifiers of outcomes. His numerous and noteworthy scholarly contributions are in leading journals including *The Journal of Thoracic and Cardiovascular Surgery*, *PLoS One* and *The New England Journal of Medicine*. He is editor of *Operative Techniques in Thoracic and Cardiovascular Surgery*. He is a grant reviewer for the American Heart Association and the NIH. He is a member of the American Association for Thoracic Surgery, The Society of Thoracic Surgeons, International Society for Heart and Lung Transplantation, The Society of University Surgeons, and the American College of Cardiology.

Helene L. Glassberg, MD

Associate Professor of Clinical Medicine

Dr. Glassberg is an outstanding consultative cardiologist and educator. She developed an innovative perioperative cardiology consultation service that has improved access for patients and referring physicians and provides efficient and effective care. She serves as Director of the Penn Heart and Vascular Center's Pre-Operative Cardiovascular Consultation Service. Her teaching has been recognized with the Cardiovascular Fellowship Teaching Award, the Vincent and Bonnie Anderson Award for Outstanding Medical Student Teaching, and Outstanding Teaching in Clinical Cardiology Fellowship Teaching Award. She is a member of the American Heart Association, the American Society of Echocardiography, and is a Fellow of the American College of Cardiology.

Thomasine N. Gorry, MD

Associate Professor of Clinical Ophthalmology

Dr. Gorry is a distinguished leader in comprehensive ophthalmology, education, and quality and patient safety. She is the Director of Quality and Safety for the department of ophthalmology and Co-Chair of the Quality Domain Committee for the Clinical Practices of the University of Pennsylvania. She chairs the Focused Professional Practice Evaluation and Ongoing Professional Practice Evaluation for the department. She makes substantial contributions as a teacher and mentor of medical students and residents. She developed and teaches a quality safety curriculum. She is a member of the American Academy of Ophthalmology and Women in Ophthalmology.

Andrew B. Grossman, MD

Associate Professor of Clinical Pediatrics

Dr. Grossman's expertise in pediatric gastroenterology is widely acknowledged. As Co-Director of the Center for Pediatric Inflammatory Bowel Disease, he has implemented multiple quality improvement projects which have enhanced patient care. He is the site physician leader and was recently named Associate Chair of the Clinical Committee for ImproveCareNow, an international collaboration of clinicians, patients, families, and researchers working together to improve the health and care of children with inflammatory bowel disease. In 2012, he received The Children's Hospital of Philadelphia Division of Gastroenterology, Hepatology, and Nutrition Fellow Teaching Award. In 2013, he was named to the CHOP Honor Roll. He is the Vice-Chair of the Inflammatory Bowel Disease Committee of the North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition and a member of the Chapter Medical Advisory Committee and Chapter Board of Trustees for the Crohn's and Colitis Foundation of America.

Hakon Hakonarson, MD

Professor of Pediatrics

Dr. Hakonarson is a highly accomplished geneticist who is making pioneering research contributions to the field of human disease genetics and genomics. He uses large-scale genomic studies to investigate genetic causes of complex medical disorders in children including cancer, diabetes, asthma, inflammatory bowel disease, epilepsy, and severe neuro-developmental/neuro-psychiatric disorders. Under his leadership, the Center for Applied Genomics has flourished and is one of the largest and most productive centers for genetic research on pediatric diseases. He was inducted into the American Association of American Physicians in 2012. He is managing editor of *Frontiers in Bioscience* and editor of *The Clinical Respiratory Journal*, *Pharmacogenomics*, *Frontiers Genetics*, and *Discovery Medicine*. He is a member of a number of professional and scientific meetings such as the American Society of Immunology and the American Lung Association/American Thoracic Society.

Scott David Halpern, MD, PhD, MBE

Associate Professor of Medicine

In a short period of time, Dr. Halpern has emerged as a national leader in the field of empirical bioethics. His innovative and impactful research focuses on resource allocation in critical care medicine and organ transplantation and end-of-life decision making. His achievements have been recognized with numerous awards and honors such as the Alice S. Hersh New Investigator Award from AcademyHealth (2011), the Young Leader Award from the Robert Wood Johnson Foundation (2012), and the Marjorie A. Bowman New Investigator Research Award, a Penn Medicine Award of Excellence (2012). In 2014, he was elected into the American Society of Clinical Investigation. Dr. Halpern's contributions to teaching and mentoring medical students, graduate students, postdoctoral fellows, residents, and fellows have been equally remarkable. He is a member of two influential federal advisory committees, the Technical Advisory Committee to the Scientific Registry of Transplant Recipients and the Advisory Committee on Blood and Tissue Safety and Availability.

Sean Hennessy, PharmD, PhD

Professor of Epidemiology in Biostatistics and Epidemiology

Dr. Hennessy is an international leader and scholar in the field of pharmacoepidemiology and drug safety. His extensive research program focuses on the cardiovascular safety of widely-used drugs, the clinical impact of drug-drug interactions, and the development of the FDA funded Mini-Sentinel program for medical product surveillance. He has also made important contributions to the development of research methods in pharmacoepidemiology. In 2013, he received the Samuel Martin Health Evaluation Sciences Research Award, a Penn Medicine Award of Excellence. He has participated in special emphasis panels and study sections for the NIH and is a member of various advisory committees for the FDA. He makes extensive contributions to teaching. He directs and teaches in courses that are part of an innovative and successful Penn certificate program in pharmacoepidemiology that is provided to FDA employees. He became an Elected Fellow of the American College of Epidemiology in 2013.

Shirley Huang, MD

Associate Professor of Clinical Pediatrics

Dr. Huang excels as a clinician and educator with a particular focus on pediatric nutrition and obesity. She was instrumental in the development of the Healthy Weight Program at CHOP. Her innovative delivery of care includes specialized services to patients and their families based on their needs related to their weight and comorbidities. She has developed primary care assessment guidelines and adapted tools and resources for primary care providers. She is the nutrition advisor for all international programs at CHOP. She trains and mentors fellows, residents, medical students, and other health care providers and served as Program Director of the Nutrition Fellowship Program from 2011 through 2014. She has also been involved in developing a teaching curriculum on pediatric obesity for resident teaching seminars. She is a member of The Obesity Society and the American Society for Parenteral and Enteral Nutrition. She was invited to serve on the first Board of Director for the American Board of Obesity Medicine and is a member of the Certification Committee.

Craig L. Israelite, MD

Associate Professor of Clinical Orthopaedic Surgery

Dr. Israelite is an outstanding orthopaedic surgeon who is an expert in adult reconstructive surgery, particularly minimally invasive techniques and knee replacement surgery. He is an equally outstanding educator of medical students, residents, and fellows. He was appointed Director of the Residency Program in 2009. In 2014, he was named to The Academy of Master Clinicians, the highest clinical honor bestowed on a Penn Medicine physician. He is a member of the American Academy of Orthopaedic Surgeons, the American Society of Hip and Knee Surgeons, and the National Orthopaedic Rehabilitation Association. He is a reviewer for the *Journal of Arthroplasty*, *Clinical Orthopaedics and Related Research* and the *Journal of Surgical Education*.

Jeffrey R. Jaeger, MD

Professor of Clinical Medicine

Dr. Jaeger has been referred to as a “doctor’s doctor,” known for his exceptional clinical skills and judgment. He has developed particular expertise in the care of complex patients and in the assessment and management of domestic violence. He is an innovative educator of medical students and residents. In his role as Director of Ambulatory Resident Education for the Internal Medicine Residency Program, he is responsible for developing, implementing, and maintaining the outpatient clinical continuity curriculum for residents. He is a preceptor in the Introduction to Clinical Medicine course for medical students. He has become involved in the health policy committees of national organizations and has become a resource regarding funding of graduate medical education. He is an active member of the American College of Physicians, the Society of General Internal Medicine, the Association of Program Directors in Internal Medicine, and the Institute for Safe Families.

Dinesh H. Jagasia, MD*Professor of Clinical Medicine*

Dr. Jagasia is a distinguished clinical cardiologist with particular expertise in echocardiography and cardiac CT imaging. He is known for his compassionate and skillful care in performing and interpreting complex studies in patients with advanced and complicated coronary and valvular heart disease, adult congenital heart disease, arrhythmias, and advanced heart failure. He initiated and organized the multidisciplinary collaborative Transcatheter Aortic Valve Replacement imaging program with interventional cardiology and cardiothoracic surgery. He is an outstanding educator of medical students, residents, and fellows. He received the Fellows Teaching Award for Excellence in Cardiac Imaging in 2013 and the Cardiovascular Medicine Division Vincent and Bonnie Anderson Award for Outstanding Medical Student Teaching in 2014.

Darshana N. Jhala, MD*Professor of Clinical Pathology and Laboratory Medicine*

Dr. Jhala makes important contributions as a clinician, administrator, and educator. She is recognized nationally for her expertise in anatomic pathology and cytopathology, particularly in endoscopic ultrasound-guided fine needle aspiration. She serves as Director of Anatomic Pathology and Medical Director for point of care testing at the VA Medical Center and has implemented successful changes including automation, an electronic ordering system, and electronic labeling and improvement in turnaround time. She teaches medical students, residents and fellows. She is a member of multiple professional societies including the American Society of Cytopathology, the American Society of Clinical Pathologists, the United States and Canadian Academy of Pathologists, the Academy of Clinical Laboratory Physicians and Scientists, and the College of American Pathologists. She is on the editorial board of the *Journal of the American Society of Cytopathology*.

Bo Jian, MD, PhD*Associate Professor of Clinical Pathology and Laboratory Medicine*

Dr. Jian excels as a clinician, educator and administrator. She provides high quality diagnostic service in general anatomic pathology and cytopathology service in the clinical laboratories and the blood bank. She is recognized for her expertise in ophthalmic pathology. As director of cytology and vice chief at Penn Presbyterian Medical Center, she has grown the fine needle aspiration service significantly. She oversees the department's quality assurance and quality improvement and leads the integration of telepathology for neuropathology. She teaches medical students, residents, and fellows in various setting and provides education to residents at other academic medical centers. She is a member of the United States and Canadian Academy of Pathology, the American Society for Clinical Pathology, the College of American Pathologists and the Papanicolaou Society of Cytopathology.

Venkat R. Kalapatapu, MD*Associate Professor of Clinical Surgery*

Dr. Kalapatapu is considered the go-to surgeon for complex vascular surgeries. He is chief of vascular surgery at the Philadelphia VA Medical Center and among his accomplishments are the development of the Endovascular Surgical Program, developing and expanding the vascular laboratory, and increasing the volume of surgical cases. He is an influential educator of medical students, residents, fellows, and staff. He is a member of the Society for Clinical Vascular Surgery, the Association of Academic Surgeons and the Society of Vascular Surgery.

Suleena K. Kalra, MD, MSCE*Associate Professor of Clinical Obstetrics and Gynecology*

Dr. Kalra is an expert in the evaluation and treatment of reproductive disorders and infertility. She established the Penn Fertility Wellness Program, a novel program that incorporates holistic care including psychological support, yoga, and acupuncture for patients undergoing fertility treatments. She excels as a teacher of medical students, residents, and fellows. She developed a module for resident training for the Penn Ob/Gyn Simulation and Team Training Program. She serves on the editorial board of *Fertility and Sterility* and is a member of the American College of Obstetricians and Gynecologists, the American Society for Reproductive Medicine, and the Society for Assisted Reproductive Technology.

Steven Kawut, MD, MS*Professor of Medicine*

Dr. Kawut is a highly accomplished physician-scientist who is making important contributions to the field of pulmonary vascular disease. His clinical and epidemiologic investigations focus on pulmonary hypertensive disorders, pulmonary complications of hepatic disease, and genetic determinants of portopulmonary hypertension and hepatopulmonary syndrome. He has performed some of the first federally funded clinical trials of novel therapies in pulmonary arterial hypertension and the only large epidemiologic study of right ventricular morphology. He was elected to The American Society for Clinical Investigation in 2013. He has served on numerous study sections, special emphasis panels, and advisory boards for the NIH and on a number of data and safety monitoring boards. He is a member of the International Society for Heart and Lung Transplantation, the American College of Chest Physicians, and the American Thoracic Society. He has held organizing roles in scientific meetings of the American Thoracic Society, the American College of Chest Physicians, and the European Respiratory Society.

Jason Y. Kim, MD, MSCE*Associate Professor of Clinical Pediatrics*

Dr. Kim is a highly respected clinician in pediatric infectious diseases who is an expert in managing patients with recurrent fever syndromes and immunodeficiencies. He was instrumental in developing the immune compromised inpatient consult team. He serves as Director of Outpatient Infectious Diseases. He is a dedicated and influential educator and mentor of medical students, residents, and fellows. He served as the Pediatric Infectious Disease Fellowship Director from 2010 through 2014. His teaching has been recognized with frequently being named to the CHOP Honor Roll. He is a member of the Pediatric Infectious Disease Society and the Infectious Diseases Society of America. He is a reviewer for the *Journal of the Pediatric Infectious Disease Society*, *Clinical Infectious Diseases* and the *Journal of Pediatrics*.

James N. Kirkpatrick, MD *

Associate Professor of Medicine at the Perelman School of Medicine

Dr. Kirkpatrick is a highly accomplished and productive cardiologist, teacher, and investigator in cardiovascular medicine and bioethics. His research focuses on the application of non-invasive cardiac imaging. He is also a national expert on ethical issues applied to cardiovascular health and disease. He is a member of the editorial board of *Biomed Research International* and a reviewer for numerous additional journals. He has served on data safety monitoring boards and as a member of a contract renewal adjudication committee for the NIH. He is an outstanding educator and mentor of medical students, residents, fellows, and graduate students in bioethics. He is a member of a number of professional and scientific societies such as the International Society for Heart and Lung Transplantation, the American Society of Bioethics and Humanities, and the American Heart Association. In 2013, he was appointed co-chair of the newly formed Palliative Care Working Group of the Geriatric Section of the American College of Cardiology.

Mary E. Kreider, MD, MSCE

Associate Professor of Clinical Medicine

Dr. Kreider is recognized nationally for her clinical expertise in the diagnosis and management of patients with interstitial lung disease. She makes important contributions as co-director of the Interstitial Lung Disease Program and medical director of the Pulmonary Diagnostic Services. She is a dedicated and active educator of medical students, residents, and fellows. She is Associate Director of the Education and Training Programs for the Pulmonary, Allergy, and Critical Care Division and Director of the Pulmonary and Critical Care Fellowship Program. She serves on a number of committees for the American Thoracic Society including the Training Committee and the Clinical Problems Assembly. She has held organizing roles in annual meetings of the American Thoracic Society and the American College of Chest Physicians.

Vera P. Krymskaya, PhD

Professor of Medicine

Dr. Krymskaya is recognized internationally for her impactful basic and translational research in smooth muscle signaling and the molecular mechanisms of airways disease. She studies lung diseases, including sporadic pulmonary lymphangiomyomatosis (LAM), Tuberous Sclerosis (TS)-associated LAM, Birt-Hogg-Dubé (BHD), pulmonary arterial hypertension (PAH), chronic obstructive pulmonary disease, and asthma, and identifies novel therapeutic targets for treatment. She is associate editor of *Respiratory Research* and a member of the editorial boards of the *American Journal of Respiratory Cell and Molecular Biology*, the *International Journal of Pulmonary and Respiratory Medicine* and *ISRN Physiology*. She is a member of the Respiratory Cell and Molecular Biology Assembly and the Respiratory Structure and Function Assembly of the American Thoracic Society and a member of The LAM Foundation Scientific Advisory Board and the Collaborative Network, Scientific Advisory Board, Castleman's Disease. She is Scientific Chair of the 2015 International LAM meeting.

**Former member of Perelman School of Medicine faculty.*

Bassil M. Kublaoui, MD, PhD

Associate Professor of Clinical Pediatrics

Dr. Kublaoui is an accomplished pediatric endocrinologist who is an expert in diabetes and obesity. He initiated and serves as Director of the Inpatient Diabetes Consult Service, implementing a more comprehensive and coordinated approach to diabetes care within the hospital. He is a dedicated and effective teacher of medical students, residents, and fellows. He was named Fellowship Program Director in 2012. He is a reviewer for *Endocrinology*, *Molecular Endocrinology* and *PLOS ONE*. He is a member of the American Association of Clinical Endocrinologists, the Pediatric Endocrine Society, and the Endocrine Society.

John Y. K. Lee, MD

Associate Professor of Neurosurgery at the Perelman School of Medicine

Dr. Lee is an innovative leader in clinical neurosurgery. He is an expert in minimally invasive neurosurgery, particularly endoscopic and stereotactic radiosurgery. His clinical research interests include novel robotic surgical approaches and developing methodology for evaluating pain outcomes in trigeminal neuralgia. He is a reviewer for a number of journals including the *International Journal of Radiation Oncology • Biology • Physics*, the *Journal of Neuro-Oncology*, and *Laryngoscope*. He is a committed educator of residents and physician colleagues. He co-directs the annual Penn International Rhinology and Skull Base Dissection Course. He is a member of the American Association of Neurological Surgeons, the Congress of Neurological Surgeons, and the North American Skull Base Society. He has held organizing roles for scientific meetings of the Congress of Neurological Surgeons and the North American Skull Base Society, the World Congress Neurological Surgery, and the World Congress for Endoscopic Surgery of the Brain, Skull Base, and Spine.

Stephen S. Leff, PhD

Professor of Pediatrics at the Perelman School of Medicine

Dr. Leff is making important and influential contributions to understanding, assessing and intervening to prevent bullying and aggression, a socially significant and timely area of study. Since 2008, he has served as Co-Director of the Violence Prevention Initiative (VPI), a CHOP-wide effort to interrupt the cycle of violence. He is a member of the editorial advisory boards of *School Psychology Review* and *School Mental Health*. He is Director of Research Training for the Leadership Education in Neurodevelopmental Disabilities (LEND) program, a nationally recognized interdisciplinary training program focused on children with developmental disabilities and chronic medical conditions. He is a member of a number of professional and scientific societies including the Society for Research in Child Development, the National Association of School Psychologists, and the Society for Developmental and Behavioral Pediatrics.

Susan E. Levy, MD, MPH

Professor of Pediatrics at the Perelman School of Medicine

Dr. Levy is a nationally prominent academic developmental and behavioral pediatrician whose research focuses on early identification of children with autism spectrum disorder (ASD), the epidemiology of these disorders, treatment choice by parents, and the use of complementary and alternative medical treatments for symptoms of autism. She has published her research in leading journals including the *Journal of Developmental and Behavioral Pediatrics*, the *Journal of Autism and Developmental Disorders*, and *The Journal of Pediatrics*. She has been selected to chair a review panel for clinical trials grants for the Department of Defense. She is a member of the International Society for Autism Research, the Society for Developmental Pediatrics, the Society for Developmental and Behavioral Pediatrics, and the Society for Pediatric Research. She served on the Executive Committee of the Council on Children with Disabilities of the American Academy of Pediatrics from 2008 through 2014.

Maria P. Limberis, PhD

Research Associate Professor of Pathology and Laboratory Medicine

Dr. Limberis is an accomplished researcher in the field of gene therapy who is recognized internationally for her expertise in lung-directed gene transfer in animal models and airway-directed cystic fibrosis gene therapy applications. She also studies the development of adeno-associated virus (AAV) vectors for airborne infectious diseases and vaccine development. Her scholarly contributions are in prestigious journals such as *Proceedings of the National Academy of Sciences*, *Human Gene Therapy*, and *The Journal of Clinical Investigation*. She is a reviewer for a number of journals including *The Journal of Gene Medicine*, *Gene Therapy*, and *Molecular Therapy*. She presents her work nationally and internationally. She is a member of the Thoracic Society of Australia and New Zealand and the American Society of Gene and Cell Therapy. She was named Director of Imaging in 2012 and in 2013, Chief of Brachytherapy.

Lilie L. Lin, MD

Associate Professor of Radiation Oncology at the Perelman School of Medicine

Dr. Lin is an accomplished academic radiation oncologist who has made significant contributions to improving clinical outcomes and reducing toxicity in the delivery of radiation to breast and cervical cancer patients. She is also actively engaged in building a research program directed at understanding the impact of HIV co-infection on cervical cancer treatment tolerability of HIV positive women. Her research has been published in leading journals such as *Blood*, *Gynecologic Oncology*, and the *International Journal of Radiation Oncology • Biology • Physics*. She participates in continuing education nationally for the American Brachytherapy Society Gynecologic Brachytherapy, the annual meeting of the American Society of Radiation Oncology (ASTRO), the ASTRO Spring Refresher meeting, and the American Radium Society. She lectures nationally and internationally.

Renyu Liu, MD, MS, PhD

Associate Professor of Anesthesiology and Critical Care at the Perelman School of Medicine

Dr. Liu is an accomplished anesthesiologist whose research focuses on opioid and opioid receptor pharmacology. He uses biophysical, biochemical, thermodynamic, protein engineering, and high resolution structural approaches to develop novel compounds for potential clinical use, with a particular focus on the cerebral protective effects of Salvinorin A. He is editor-in-chief of *The Journal of Anesthesia and Clinical Research* and *Translational Perioperative and Pain Medicine*, editor of the *Chinese Journal of Clinical Anesthesiology* and the *Journal of Perioperative Science*, and web editor for The International Chinese Academy of Anesthesiology. He is a highly respected educator and mentor of medical students, residents, and visiting scholars. He has developed a new curriculum and rotation on preoperative medicine for the residents. He has been instrumental in developing and organizing several international teaching programs with universities in China. In 2012, he received an Outstanding Mentorship Award from the Chinese Academy of Anesthesiology.

Alison W. Loren, MD

Associate Professor of Medicine at the Perelman School of Medicine

Dr. Loren is a nationally recognized hematologist whose research focuses on fertility preservation, pregnancy, and the implications of donor parity on the outcomes of allogeneic hematopoietic cell transplantation. Her work with the Center for International Blood and Marrow Transplant Research (CIBMTR) and the American Society of Clinical Oncology (ASCO) has led to significant practice altering publications. Her peer-reviewed publications are in leading journals including *Blood*, *Biology of Blood and Marrow Transplantation*, and the *Journal of Clinical Oncology*. She is a member of the editorial board of the *American Journal of Hematology*. She served on a study section for the Leukemia and Lymphoma Society from 2008 through 2013. She makes substantial contributions to education within Penn and nationally. In 2007, she was appointed the hematology/oncology fellowship program director. At the national level, she is Vice-Chair of the Committee on Training for the American Society of Hematology.

Jeremy F. Magland, PhD*

Research Associate Professor of Radiology

Dr. Magland is an accomplished independent and collaborative investigator in the field of magnetic resonance imaging. His research focuses on the design and implementation of novel techniques for improved data acquisition, image processing, image analysis, and data management. He is known particularly for a variety of custom and innovative software frameworks that have advanced research projects both inside and outside the Laboratory for Structural NMR Imaging. He has published his work in prestigious journals such as *Magnetic Resonance in Medicine*, *Academic Radiology* and the *Journal of Magnetic Resonance Imaging*. Dr. Magland is an effective mentor of postdoctoral fellows and students in the laboratory setting and serves as a lecturer in the MRI Techniques course.

**Former member of Perelman School of Medicine faculty.*

George A. Makar, MD, MSCE

Associate Professor of Clinical Medicine

Dr. Makar is widely recognized for his knowledge of liver diseases, particularly his expertise in treatment options for end-stage liver failure. He is further recognized for his skills as an endoscopist and in performing liver biopsies. He was appointed Medical Director of the Liver Transplant Program in 2012. He excels as an educator and mentor of medical students, residents, fellows, and mid-level providers. He directs the Transplant Hepatology Fellowship Program at HUP, one of the few programs of its kind in the country. He led the successful reaccreditation of the program by the Accreditation Council for Graduate Medical Education in 2013. He received the 2013 Radhika Srinivasan's Professionalism and Humanism Award from the department of medicine.

Petar Mamula, MD

Professor of Pediatrics at the Perelman School of Medicine

Dr. Mamula is a leader in the field of pediatric gastroenterology, a productive clinical researcher, an excellent educator, and an outstanding clinician. His clinical research focuses on pediatric endoscopy and the diagnosis and treatment of inflammatory bowel disease. In addition to numerous peer-reviewed publications, he has authored *Pediatric Inflammatory Bowel Disease*, the main textbook in this area and now in its second edition. He is a reviewer for many journals such as *Gastroenterology*, *Digestive and Liver Diseases* and the *American Journal of Gastroenterology*. He was named to the Residency Program Teaching Honor Roll from 2011 through 2013. He received the Fellows Teaching Award in his division in 2012 and he was named to the Fellows Faculty Honor Roll in his division in 2013. He established and directs hands-on pediatric endoscopy courses at the annual national pediatric gastroenterology meeting and at the American Society for Gastrointestinal Endoscopy Training Center.

Cindy M. McGrath, MD

Professor of Clinical Pathology and Laboratory Medicine

Dr. McGrath is a distinguished clinician and educator. She is an expert in gynecologic cytopathology and excels in collaborative and multidisciplinary practice. She has contributed significantly to improving the quality of care by implementing quality control and assurance programs. She was named Chief of Cytopathology in 2014. She contributes extensively to education within and external to Penn. She teaches medical students, residents, and fellows and presents to other pathologists, cytotechnologists residents, and fellows throughout the country through pathology educational societies. She is Director of the medical student fellowship program in pathology and serves on the curriculum committee, the admissions committee, and the executive board of the education committee for the department of pathology and laboratory medicine. Since her last promotion, she has been recognized by the medical students with the Module 2 Teaching Award.

Eileen M. McKay, MD*

Associate Professor of Clinical Pathology and Laboratory Medicine

Dr. McKay excels as a pediatric anatomical pathologist who is widely recognized for her expertise in perinatal and placental pathology. She is a dedicated and enthusiastic educator of medical students, residents, and fellows. She was the recipient of the James E. Wheeler Award for Excellence in Anatomic Pathology Resident Teaching in 2013. She is involved with education at the national level, serving on the Education Committee of the Society for Pediatric Pathology from 2007 through 2014. She has authored six chapters for a recently published textbook, *Diagnostic Pathology: Placenta*. She also served on the Maintenance of Certification Coordinator Committee for the Society for Pediatric Pathology and has held organizing roles in the Society's annual meetings and is a member of the United States and Canadian Academy of Pathology.

Peter A. Meaney, MD, MPH

Associate Professor of Anesthesiology and Critical Care at the Perelman School of Medicine

Dr. Meaney is a prominent pediatric critical care intensivist whose research focuses on cardiopulmonary arrest and resuscitation and on novel interventions, both educational and technological, designed to improve treatment and survival outcomes for severely ill children in resource limited settings. He founded and directs the Center for Global Pediatric Critical Care at CHOP, a collaborative initiative with the Botswana-UPenn Partnership, the University of Botswana, the Botswana Ministry of Health, B-Line Medical, Laerdal Global Health, and the American Heart Association. He is recognized for his contributions to the development of the American Heart Association Guidelines on resuscitation. He has developed innovative teaching and training programs that are used internationally and are having an impact in countries such as Botswana and Tanzania. He chairs the steering committee of the Saving Children's Lives program of the American Heart Association and serves as an advisor to the World Health Organization on guidelines for management of critically ill infants and children.

Wallace T. Miller, Jr., MD

Professor of Radiology at the Perelman School of Medicine

Dr. Miller is a nationally prominent radiologist with particular expertise in thoracic imaging. He is acknowledged for his extensive fund of knowledge, high productivity, and interpretation of images in clinically complex cases. His research has focused on the imaging of infectious diseases and more recently, he has focused on the identification of ground glass opacities of the lung. He has published his research in top journals including *Chest*, *Annals of the American Thoracic Society* and the *American Journal of Roentgenology*. He is an outstanding educator and mentor who has had a significant impact on radiology education for medical students, nursing students, residents, and fellows. He received the Robert Dunning Dripps Memorial Award for Excellence in Graduate Medical Education in 2011.

**Former member of Perelman School of Medicine faculty.*

Julie S. Moldenhauer, MD

Associate Professor of Clinical Obstetrics and Gynecology in Surgery

Dr. Moldenhauer is a highly respected maternal fetal medicine clinician who is recognized for her expertise in fetal diagnosis and treatment and for providing compassionate care. She performs prenatal diagnosis and consultation and fetal surgical interventions and she manages pregnancies complicated by congenital abnormalities. She serves as Medical Director of the Special Delivery Unit at The Children's Hospital of Philadelphia. She is an active educator of medical students, residents, and fellows and is active in continuing medical education at the local, regional, national, and international levels. She is a member of a number of professional and scientific societies including the American College of Medical Genetics, the American College of Obstetrics and Gynecology, and the Society for Maternal-Fetal Medicine. She has served on the North American Fetal Therapy Network Executive and Scientific Steering Committees.

Knashawn H. Morales, ScD

Associate Professor of Biostatistics in Biostatistics and Epidemiology at the Perelman School of Medicine

Dr. Morales is making important contributions as an independent and collaborative biostatistician. Her collaborative research focuses on mental health treatment and services for the elderly, evaluating behavioral modification interventions, and clinical applications in infectious disease. Her methodological work involves latent variable modeling, longitudinal data analysis, and applications of causal inference. Her publications are in leading journals including *Archives of Internal Medicine*, *British Medical Journal* and the *American Journal of Geriatric Psychiatry*. She is a reviewer for a number of journals such as the *American Journal of Infection Control*, the *Scandinavian Journal of Statistics*, and *Comprehensive Psychiatry*. She has served on numerous NIH special emphasis panels and numerous data safety monitoring boards.

Surafel Mulugeta, PhD

Research Associate Professor of Medicine

Dr. Mulugeta is an accomplished independent and collaborative investigator whose research focuses on pulmonary biology, particularly the mechanisms underlying the biogenesis, processing and function of surfactant related proteins in health and disease. His peer-reviewed publications are in leading journals including the *Journal of Biological Chemistry*, *Traffic*, and the *American Journal of Respiratory Cell and Molecular Biology*. He is a reviewer for a number of journals including the *American Journal of Respiratory and Critical Care Medicine*, *Biochemistry*, and the *European Respiratory Journal*. He is a member of the NIH Lung Injury, Repair, and Remodeling Study Section. He participates in mentoring under-represented minority undergraduate students and postdoctoral and clinical fellows. He is a member of the American Society of Biochemistry and Molecular Biology, the American Physiological Society and the American Thoracic Society.

Vijay M. Nadkarni, MD

Professor of Anesthesiology and Critical Care at the Perelman School of Medicine

Dr. Nadkarni is an international leader in the fields of pediatric critical care medicine, resuscitation science, and simulation education. His research focuses on cardiopulmonary resuscitation and critical care medicine in both laboratory and clinical settings. He received the Ron Haddock International Impact Award from the American Heart Association, the Presidential Citation Award for Outstanding Contributions to the Society of Critical Care Medicine, the Distinguished Career Award from the American Academy of Pediatrics, the Presidential Award for Lifelong Achievement from the Society for Simulation in Healthcare, and the International Liaison Committee on Resuscitation Giant of Resuscitation Medicine Award. He founded and directs the Center for Simulation, Advanced Education and Innovation at CHOP, a collaboration with scientists, engineers, industry, and human factors specialists to develop state-of-the-art simulation techniques and simulators.

Sunita D. Nasta, MD

Associate Professor of Clinical Medicine

Dr. Nasta is an accomplished clinician who provides comprehensive care for patients with hematologic malignancies, with a particular focus on patients with lymphoma. She also has expertise in the care of patients with acute and chronic leukemia and bone marrow and stem cell transplants. She is a committed teacher and mentor of medical students, residents, and fellows. In 2010 and 2011, she was selected by the Hematology/Oncology fellows for the John Glick Prize for teaching excellence. She is a member of the American Society of Clinical Oncology, the American Society of Hematology, and serves on the Patient Services Professional Advisory Committee of the Leukemia and Lymphoma Society.

Katherine L. Nathanson, MD

Professor of Medicine

Dr. Nathanson is a distinguished leader in cancer genetics whose influential translational research focuses on inherited and somatic and germline genetic changes in cancer. She leads and participates in multidisciplinary projects investigating testicular germ cell tumors, melanoma, hereditary breast and ovarian cancer, and renal cancer and pheochromocytoma/paragangliomas genetics. She was named Co-leader of the Cancer Control Program in the Abramson Cancer Center in 2011, Director of Genetics in the Bassett Research Center in 2012, and Chief Oncogenomics Physician in 2013. She has published her work in prestigious journals such as *PLoS Genetics*, *Nature Genetics*, and *Cancer Research*. She is on the editorial boards of *Cancer Genetics and Genetics in Medicine* and associate editor of *Breast Cancer Research*. She has reviewed grants for many national and international organizations such as the NIH, Genesis Oncology Trust, New Zealand, Cancer Research UK, Australian National Health and Medical Research Council, and the Melanoma Research Foundation. She is currently a member of the NIH Cancer Genetics Study Section.

Anne H. Norris, MD*Associate Professor of Clinical Medicine*

Dr. Norris is an excellent clinician, teacher, and administrator. She is a leading clinical expert in infectious diseases particularly HIV and Lyme disease. She serves as Chief Medical Officer of both Penn Home Infusion Therapy and Penn Care at Home. In these roles, she has focused on measuring and reducing infections and overseen advances in higher quality patient care. She participates in numerous Penn Medicine Committees addressing hospital readmissions and transitions in care. She is a highly effective educator of medical students, residents, and fellows. She serves as chair of the Infectious Diseases Society of America committee to revise the clinical guidelines for outpatient parenteral antimicrobial therapy.

Edward A. Ochroch, MD, MSCE*Professor of Anesthesiology and Critical Care at the Perelman School of Medicine*

Dr. Ochroch excels as an academic vascular and thoracic anesthesiologist. He investigates chronic pain prevention and outcomes improvement after cardiovascular surgery. He has served as Chief of Thoracic and Vascular Anesthesia since 2002, Director of Thoracic Anesthesiology since 2003, and Director of Clinical Research since 2005. He was elected into the prestigious Association of University Anesthesiologists in 2007. He is an editorial board member of *Local and Regional Anesthesia and Analgesia*, *ISRN Anesthesiology*, and the *Journal of Cardiothoracic and Vascular Anesthesia*. He received the Outstanding Teaching of the Year Award from the anesthesiology residents in 2013. He serves as an oral board examiner for the American Board of Anesthesiologists. He is invited to lecture nationally and internationally. He serves on numerous committees for the Society of Cardiovascular Anesthesiologists and the American Society of Anesthesiology.

Michael A. Padula, MD, MBI*Associate Professor of Clinical Pediatrics*

Dr. Padula is a national leader in the development and dissemination of data driven definitions and standards in neonatology. He is the co-founder of the national Children's Hospital Neonatal Database which gathers data from 28 neonatal intensive care units and develops evidence-based, best practice guidelines in neonatal care. He is a respected educator and mentor of medical students, residents, and fellows. In 2013, he received the HealthShare Exchange (HSX) Health Information Exchange Champions Award and was certified in clinical informatics by the American Board of Preventative Medicine. He is a member of the American Medical Informatics Association and the American Medical Association and serves on the Council on Clinical Technology and the Section of Perinatal Pediatrics for the American Academy of Pediatrics.

James N. Palmer, MD*Professor of Otorhinolaryngology: Head and Neck Surgery at the Perelman School of Medicine*

Dr. Palmer is a nationally prominent leader in the field of rhinology whose clinical and basic science research focuses on the role of biofilms in the pathophysiology of sinusitis, genetic predisposition to sinusitis, and surgical approaches to the base of skull lesions. He was named Director of the Division of Rhinology in 2008 and Co-Director of the Penn Center for Cranial Base Surgery in 2013. In recognition of his contributions to his field, he received the Basic Science Award from the American Rhinologic Society in 2011. He is a member of the editorial boards of *ORL*, the *Brazilian Journal of Otorhinolaryngology*, the *American Journal of Rhinology and Allergy*, and the *Pan-Arab Journal of ORL*. He has served as Fellowship Director of Rhinology and Skull Base Surgery since 2005. He has been course director of the Penn International Rhinology and Skull Base Course annually since 2002. He serves on numerous committees for the American Academy of Otolaryngology – Head and Neck Surgery and the American Rhinologic Society.

Samuel I. Parry, MD*Professor of Obstetrics and Gynecology at the Perelman School of Medicine*

Dr. Parry is a nationally and internationally recognized maternal fetal medicine specialist who has made clinical and translational research contributions to his field. He investigates adverse pregnancy outcomes such as preterm birth and preeclampsia and mechanisms related to placental infection. His publications are in prominent journals such as the *American Journal of Obstetrics and Gynecology*, *Obstetrics and Gynecology*, and the *American Journal of Perinatology*. He is associate editor of the *American Journal of Obstetrics and Gynecology*. He is a member of an NIH review group and study section. He makes significant contributions as an educator and mentor of medical students, graduate students, post-doctoral fellows, residents, and fellows. He is an examiner for the American Board of Obstetrics and Gynecology, Oral Boards and Maternal Fetal Medicine Subspecialty Examinations. He was selected as a Fellow in the American Gynecological and Obstetrical Society in 2013.

Aimee S. Payne, MD, PhD*Albert M. Kligman Associate Professor of Dermatology*

Dr. Payne is an innovative physician-scientist who has made seminal contributions to research in immune-mediated blistering diseases, particularly pemphigus. In addition to her translational research, she is known for her clinical expertise in the diagnosis and treatment of patients with severe blistering diseases. She has been successful in securing funding for her research. She has published her research in high quality journals including *The Journal of Clinical Investigation*, the *Journal of Investigative Dermatology* and *The Journal of Immunology*. She is a reviewer for numerous journals such as the *Journal of Cell Science*, the *Journal of the American Academy of Dermatology* and *British Journal of Dermatology*. She has been an ad hoc reviewer for the NIH and has reviewed grants for the Israel Science Foundation and Deutsche Forschungsgemeinschaft. She is the Associate Director of the Medical Scientist Training Program. She has a special interest in the recruitment and retention of women and minority physician-scientists. She is an active member of the Society for Investigative Dermatology, the Dermatology Foundation, and the International Pemphigus and Pemphigoid Foundation.

John Plastaras, MD

Associate Professor of Radiation Oncology at the Perelman School of Medicine

Dr. Plastaras has achieved national prominence for his expertise in gastrointestinal malignancies and lymphoma. His research focuses on re-irradiation of recurrent tumors, decreasing toxicity of lymphoma radiotherapy, and proton therapy for gastrointestinal malignancies. He has contributed peer-reviewed publications in leading journals including *The Journal of Clinical Oncology*, the *International Journal of Radiation Oncology • Biology • Physics* and *Medical Physics*. He is a reviewer for a number of journals such as *Cancer Biology and Therapy* and *Clinical Cancer Research*. He has served as an oral examiner on the American Board of Radiology for candidates seeking board certification in radiation oncology and in 2013, he became the Written Examination Chair of the lymphoma committee. He is an active member of the American Society of Clinical Oncology, the American Society for Radiation Oncology, and the American College of Radiology.

John R. Pollard, MD

Associate Professor of Clinical Neurology

Dr. Pollard excels as a clinician, educator, and administrator. He is the “go-to” epileptologist specializing in the care of medically refractory epilepsy patients, including antiepileptic drug trials, epilepsy surgery, pre-surgical evaluation, and treatment of epilepsy comorbidities. As Associate Director of the Penn Epilepsy Center, he oversees the clinical practice and managed the expansion of clinical services to three hospitals. He is a valued teacher and mentor of medical students, residents, and fellows. He is Director of the Clinical Neurology Fellowship. He is also an expert in clinical trials in epilepsy and is a member of the Executive Committee of the Epilepsy Study Consortium, the largest national organization for epilepsy clinical trials in the country. He is also a member of the American Academy of Neurology and the American Epilepsy Society.

Avrum N. Pollock, MD

Professor of Clinical Radiology

Dr. Pollock is a nationally recognized expert in pediatric neuroradiology. He interprets neuroimaging studies of the brain, head and neck, eye, ear, and spine in fetuses, infants, children and adolescents. He is a committed educator of medical students, residents, and fellows. He served as Radiology Residency and Fellowship Program Director and led the growth of the fellowship program from 2002 through 2012. He is a member of a number of professional and scientific organizations and serves on committees for the Radiological Society of North America, the Society of Pediatric Radiology, and the American Society of Pediatric Neuroradiology. He is invited to lecture nationally and internationally.

Jill C. Posner, MD, MSCE

Professor of Clinical Pediatrics

Dr. Posner is a highly accomplished clinician, educator and administrator in pediatric emergency medicine. She excels as an educator and mentor of medical students and graduates students, residents, and fellows in the clinical and didactic settings. Her teaching has been recognized with election to the Faculty Teaching Honor Roll at CHOP and with the Jean A. Cortner Divisional teaching award numerous times. She is the Director of Medical Education and has made enhancements to the curriculum including the integration of simulation training. As Co-Director of the fellowship program, she has initiated bedside ultrasound training and an elective global health experience. She is a member of the American Academy of Pediatrics Fellowship Director's Committee and the National Fellows Conference Planning Committee.

Mary Putt, PhD

Professor of Biostatistics in Biostatistics and Epidemiology at the Perelman School of Medicine

Dr. Putt is an outstanding academic biostatistician and innovative statistical methodologist who has made substantial contributions to numerous projects in neuroscience, developmental disabilities, cardiovascular medicine, and biomedical optics. Her methodological research includes analysis of crossover studies, generalized L statistics and developing models to study change in blood flow in tumor biology models. She publishes her work in premier journals including *Cancer Cell*, *Circulation*, *The Journal of Neuroscience*, *The Journal of the American Medical Association*, and *Statistical Science*. She reviews for a number of journals such as *Cancer Research*, *Journal of Applied Statistics*, and the *Journal of Statistical Planning and Inference*. She is a standing member of the NIH NCI Clinical Oncology Study Section. She serves as a course director and director of educational programs for the division of biostatistics. In 2010, she received the Dean's Award for Excellence in Basic Science Teaching.

Ling Qin, PhD

Associate Professor of Orthopaedic Surgery

Dr. Qin is an innovative investigator in the field of bone and cartilage biology whose research focuses on bone metabolism, stem cell biology, growth plate development, cancer bone metastases and signal transduction. She has been very successful in securing funding for her research. She received the Alice L. Jee Memorial Young Investigator Award from the International Bone and Mineral Society in 2010, the Career Enhancement Award from the American Society for Bone and Mineral Research in 2011, and the Junior Faculty Osteoporosis Basic Research Award in 2013. She is editor of *Gene*, section editor of the *Journal of Orthopaedic Translation*. She is a member of a number of professional and scientific societies including the International Society of Bone Morphometry, the American Society for Bone and Mineral Research, and the National Society for Histotechnology. She is a member of the Executive Committee and Chair of the Membership Committee of the International Chinese Musculoskeletal Research Society.

Elizabeth B. Rand, MD

Professor of Pediatrics

Dr. Rand is an accomplished pediatric gastroenterologist, particularly in the field of hepatology. Her research complements her clinical interests and focuses on liver disease and transplantation. She developed and maintains a human liver, bile, and skin tissue repository bank which serves as a resource for basic science and translational research. She has served as Medical Director of the Liver Transplant Program at CHOP since 2000. She is section editor of Hepatology for *Pediatric Update*. She has been elected to the Pediatrics Residents Faculty Honor Roll each year since 1998 and to the GI Fellows Faculty Honor Roll in 2012 and 2013. In 2013, she received the GI Fellows Faculty Teaching Award and in 2014, she received the Joanne Decker, MD, Mentor Award. She has directed the fellowship training program in gastroenterology since 2000. She is a member of the International Pediatric Transplant Association, the American Association for the Study of Liver Diseases, the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition, and the American Society for Transplantation.

Daniel Ricklin, PhD

Research Associate Professor of Pathology and Laboratory Medicine

In a short period of time, Dr. Ricklin has achieved international recognition as a productive and influential researcher who has made significant contributions to the field of complement biology. His research focuses on the molecular and cellular aspects of complete and innate immune function under physiological and pathophysiological conditions, the exploration of the crosstalk between danger response systems, and the development of strategies for therapeutic modulation of immune and inflammatory diseases. In recognition of his achievements, he received the inaugural Young Investigator Award of the International Complement Society in 2012. He is a member of the Protein Society, the American Association for the Advancement of Science, and the American Association of Immunologists. He has held numerous organizing roles for international scientific meetings.

Paul M. Robins, PhD

Professor of Clinical Psychology in Psychiatry

Dr. Robins is a nationally recognized leader in pediatric psychology. He is an expert in the use of family therapy and cognitive behavior therapy for children and families coping with chronic illnesses and directs the Family Stress and Illness Program at CHOP. He makes substantial contributions in psychology training from the undergraduate to postdoctoral levels. He serves as Director of the Department of Child and Adolescent Psychiatry and Behavioral Sciences Psychology Internship Program, a highly ranked and innovative training program. In 2009, he received the Excellence in Training Award by the Association of Postdoctoral and Internship Centers. He is also acknowledged for developing training and service programs to address the needs of underserved populations in inner-city settings. He serves on a number of committees and task forces for the American Psychological Association. He is associate editor of *Clinical Practice in Pediatric Psychology* and a member of the editorial board of the *Journal of Pediatric Psychology*.

Joseph W. Rossano, MD, MS

Associate Professor of Pediatrics at the Perelman School of Medicine

Dr. Rossano excels as an academic pediatric cardiologist. He is an expert in critical care management of children with cardiovascular disease whose research focuses on the management of heart failure, transplantation and resuscitation science. He has contributed publications in leading journals including *Circulation*, *The Journal of Heart and Lung Transplantation*, and the *Journal of Cardiac Failure*. He is a grant reviewer for the American Heart Association and a member of the Ancillary and Pilot Studies Committee for the Pediatric Heart Network of the NIH National Heart, Lung, and Blood Institute. He was named to the Faculty Honor Roll at CHOP for resident teaching in 2013 and 2014. He has served on numerous prestigious national committees in developing standards and guidelines related to pediatric heart failure including the Scientific Advisory Council of the American Red Cross, and the Executive Committee for PediMACS, an NIH, Hospital, and Industry sponsored national registry for pediatric mechanical circulatory support.

Catherine R. Salva, MD

Associate Professor of Clinical Obstetrics and Gynecology

Dr. Salva makes impressive contributions as a clinician, educator, and administrator. She provides obstetrical and gynecologic outpatient and inpatient care and is Medical Director of the Dickens Center. She is a valued educator of medical students and residents. She has served as Residency Program Director since 2010 and has been instrumental in redesigning the curriculum and the evaluation system and implementing milestones. She has been actively involved in promoting and hosting educational programs in the region including the Philadelphia Region Education Consortium for Ob/Gyn Intern Boot Camp for interns from six residency programs. Her outstanding teaching skills have been recognized with the Council on Resident Education in Obstetrics and Gynecology National Faculty Award for Teaching Excellence and a Penn Pearls Teaching Award. She serves as a member of the Simulation Committee for the American College of Obstetricians and Gynecologists and is a member of the Association of Professors of Gynecology and Obstetrics and The Society for Academic Specialists in General Obstetrics and Gynecology.

Maully J. Shah, MBBS

Professor of Pediatrics at the Perelman School of Medicine

Dr. Shah is an accomplished academic pediatric electrophysiologist who investigates pediatric pacing and devices, radiofrequency ablation, and sudden cardiac death in children. She was elected as a Fellow of the Heart Rhythm Society in 2012. She is an editorial board member of *Annals of Pediatric Cardiology*, the *Journal of Interventional Cardiac Electrophysiology*, and the *Indian Pacing and Electrophysiology Journal*. She has served on a number of committees for professional and scientific societies including the Research Committee of the Pediatric and Congenital Electrophysiology Society and the Scientific Council Group for the Management of Arrhythmias in Adults with Congenital Heart Disease of the Heart Rhythm Society. She is a member of the task force for pediatric cardiology training guidelines in electrophysiology for the American College of Cardiology.

Kenneth S. Shindler, MD, PhD*Associate Professor of Ophthalmology*

Dr. Shindler is recognized nationally and internationally in the field of neuro-ophthalmology. His innovative research focuses on identifying and understanding molecular mechanisms leading to axonal injury and retinal ganglion cell (RGC) loss in optic neuropathies and the development of novel neuroprotective therapies to preserve vision. He received the North American Neuro-Ophthalmology Society Young Investigator Award in 2008, the Certificate of Recognition for Outstanding Clinical Practice and Research for Neuro-Ophthalmology from the Neuro-Ophthalmology Research Disease Investigator Consortium and The National Eye Institute in 2012, and the American Academy of Ophthalmology Achievement Award in 2014. He excels as an educator and mentor of undergraduate and graduate students, medical students, residents, postdoctoral fellows, and fellows. He participates in educational sessions for the American Academy of Ophthalmology and the North American Neuro-Ophthalmology Society. He is invited to lecture nationally and internationally.

Justine Shults, PhD*Professor of Biostatistics in Biostatistics and Epidemiology at the Perelman School of Medicine*

Dr. Shults is recognized nationally and internationally for her contributions to statistical methodological and collaborative research. Her methodological research focuses on developing statistical methods for the improved analysis of longitudinal and clustered data, particularly the method of quasi-least squares (QLS). She also provides statistical collaboration for investigations in pediatrics focusing on renal disease, transplantation, and bone health. She has a successful history of securing funding for her research. She has contributed numerous peer-reviewed publications in leading journals including *Statistics in Medicine*, *Biometrics*, and *Biometrika*. She is first author of a recently published textbook, *Quasi-Least Squares Regression*. She is a member of the International Biometric Society, the International Chinese Statistical Association, and the American Statistical Association.

Ariana L. Smith, MD*Associate Professor of Urology in Surgery at the Perelman School of Medicine*

Dr. Smith has achieved national prominence in the field of female pelvic medicine and reconstructive surgery within a brief period of time. She investigates lower urinary tract dysfunction, urinary incontinence, neurogenic bladder, and pelvic floor abnormalities, particularly the treatment of overactive bladder. Her research contributions have been recognized with election to the American Urological Association's 2014 Research Forum. She is a highly respected educator of medical students, residents, and fellows. She serves as Director of Residency Education at Pennsylvania Hospital. She is invited to lecture nationally including presentations at the American Urologic Association and the Society of Urodynamics, Female Pelvic Medicine, and Urogenital Reconstruction (SUFU) annual meetings. She is an active member of a number of professional and scientific societies and has held organizing roles in scientific meetings for the Society for Female Urology and Urodynamics, the American Urogynecologic Society and the American Urologic Association.

Sindhu Srinivas, MD*Associate Professor of Obstetrics and Gynecology at the Perelman School of Medicine*

Dr. Srinivas is a productive and innovative investigator in the field of obstetric outcomes and quality and safety. Her research focuses on reducing health care disparities, developing and testing new measures of obstetric quality, and delivery of high quality obstetrical care. She has led investigations of the impact of the laborist model of delivering care. In 2012, she was named Director of the Obstetrical Service at HUP. She has a successful record of research funding. Her publications are in high profile journals including the *American Journal of Obstetrics and Gynecology*, *The Journal of Maternal-Fetal & Neonatal Medicine*, and *The Journal of the American Medical Association*. She has been the recipient of the prestigious American College of Obstetricians and Gynecologists Council on Resident Education National Faculty Award and the University of Pennsylvania Faculty Teaching Award for Excellence in Resident Education.

Stanley J. Stachelek, PhD*Research Associate Professor of Pediatrics*

Dr. Stachelek is an innovative pediatric cardiology investigator whose research focuses primarily on the role of CD47, a transmembrane protein with roles in cell attachment and immune regulation, and its cognate receptor Signal Regulatory Protein alpha (SIRP α). He is a member of the editorial board of *BioMed Research International* and a reviewer for numerous journals such as *Cardiovascular Pathology*, *Annals of Thoracic Surgery*, and *Biomechanics and Biomaterials*. He is a member of the Developmental Biology National Study Section for the American Heart Association. He mentors postdoctoral and clinical fellows. He is a member of the Society of Biomaterials.

Ursina R. Teitelbaum, MD*Associate Professor of Clinical Medicine*

Dr. Teitelbaum is an outstanding gastrointestinal oncologist who is acknowledged for her clinical judgment, meticulous attention to detail, and great compassion and empathy. She is committed to palliative medicine and recently became certified in palliative and hospice medicine. She serves as the program lead for the Pancreatic Medical Oncology Program. She received the Department of Medicine's Humanism and Professionalism Award in 2013 and in 2014, she was named to The Academy of Master Clinicians, the highest clinical honor bestowed on a Penn Medicine physician. She is an innovative and active educator and mentor of medical students, residents, and fellows. She is a member of the American Geriatrics Society and the American Society of Clinical Oncology.

Cecilia Tommos, PhD

Research Associate Professor of Biochemistry and Biophysics

Dr. Tommos is a prominent researcher who has made fundamental contributions to her field. Her research uses protein design and engineering to investigate how amino-acid based radicals are controlled and used by enzymes. She is known for the quality and impact of her scholarship. She is a reviewer for a number of journals such as *The Journal of Physical Chemistry*, *Nature of Chemical Biology*, and *Biochimica et Biophysica Acta*. She has reviewed grants for the American Chemical Society Petroleum Research Foundation and the Swiss Confederation. She is invited to lecture nationally and internationally including Gordon Research Conferences. She is a member of The Swedish Biophysical Society.

James R. Treat, MD

Associate Professor of Clinical Pediatrics

Dr. Treat is an outstanding pediatric dermatologist who is recognized for his clinical acumen and for providing empathetic care. He started a contact dermatitis clinic, led the acquisition of a laser for treatment of psoriasis and vitiligo, and started a joint allergy and dermatology clinic. He also serves as a pediatric dermatology consultant for africa.telederm.org, reviewing cases for underserved regions. He is an innovative and gifted educator of medical students, residents, and fellows and serves as education and fellowship director of pediatric dermatology. Among a number of awards he has received are the Faculty Teacher for the Year in the department of pediatrics in 2011, 2013 Master Clinician Award at CHOP, the Dean's Award for Excellence in Clinical Teaching at an Affiliated Hospital in 2013, and the Blockley-Osler Award from PSOM in 2014. He is a reviewer for a number of journals including *Pediatric Dermatology*, *Pediatric Emergency Medicine*, and *Archives of Pediatric and Adolescent Medicine*.

Anil Vachani, MD, MS

Associate Professor of Medicine at the Perelman School of Medicine

Dr. Vachani is a prominent pulmonologist who is recognized nationally for his expertise in thoracic oncology. His research complements his clinical activities and focuses on biomarkers in the diagnosis of lung cancer and mesothelioma. In 2012, he was appointed Director of the Lung Nodule Program at Penn and Director of Bronchoscopy at the VA Medical Center. His scholarship is in leading journals including *The New England Journal of Medicine*, *Lancet Oncology*, *Chest*, and *The Journal of Clinical Investigation*. He is Vice-Chair of the Thoracic Oncology Network Steering Committee of the American College of Chest Physicians and will be Chair in 2016.

Vivianna M. Van Deerlin, MD, PhD

Professor of Pathology and Laboratory Medicine at the Perelman School of Medicine

Dr. Van Deerlin has achieved international prominence in the field of molecular pathology. Her research focuses on identifying and investigating the underlying genetic mechanisms of neurodegenerative disorders, including frontotemporal disease, Alzheimer's Disease, Parkinson's Disease, amyotrophic lateral sclerosis, and other related disorders. She has an impressive record of educational contributions. She serves as Program Director of the Molecular Genetic Pathology Fellowship program, a program she created and was among the first two programs to be accredited nationally by the Accreditation Council for Graduate Medical Education. She organized annual, national meetings of fellowship program directors in molecular pathology to establish training standards for the field. From 2006 through 2013, she was a member of the Test Development and Advisory Committee on Molecular Genetic Pathology for the American Board of Pathology. She presents her research nationally and internationally. She currently serves as Secretary-Treasurer, Chair of the Finance Committee, Member of the Executive Committee, and Member of the Board of Directors of the Association for Molecular Pathology.

Ritu Verma, MBCbB

Professor of Clinical Pediatrics

Dr. Verma is a national leader in the treatment of celiac disease and other pediatric gastrointestinal conditions. She is a champion of family-centered care and provides educational sessions to serve the entire family. In recognition of her clinical and administrative expertise, she was named Director of GI Clinical Services and Section Chief of Clinical Gastroenterology and Nutrition at CHOP. She developed the initial satellite practice for the division and the department of pediatrics and has continued to lead the ongoing expansion of CHOP satellites. She is a dedicated and effective educator and mentor of residents, fellows, and junior faculty. She is a member of the Crohn's and Colitis Foundation of America, the American Gastroenterological Association, the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition, and the National Foundation of Celiac Awareness Advisory Board.

R. Lee Vogel, MD

Professor of Clinical Pediatrics

Dr. Vogel is a highly respected pediatric cardiologist who is an expert in electrophysiology and the management of patients with dysrhythmias. He is recognized for providing compassionate and family-centered care. He is an excellent and committed educator of medical students, residents, and fellows. He coordinates CHOP international continuing medical education seminars in Austria and Slovakia and launched a successful telemedicine project with the pediatric cardiology group in Bratislava, Slovakia. He is a reviewer for *Pediatric Emergency Care*.

Charles M. Vollmer, MD

Professor of Surgery at the Perelman School of Medicine

Dr. Vollmer is a prominent leader in pancreatic and biliary surgery. His research complements his clinical activities and focuses on outcomes assessment in high-acuity surgery, characterization of pancreatic fistulas, the effects of process improvements on quality, and technical considerations of pancreatic surgery. He has contributed numerous publications in prestigious journals such as *Surgery*, the *Annals of Surgery* and the *Journal of Gastrointestinal Surgery*. He is a member of the editorial boards of *HPB* and the *Journal of Surgical Oncology*. He serves as an examiner for the American Board of Surgery and as a member of the Education Committee of the Society for Surgery of the Alimentary Tract. He is active in the International Hepato-Pancreato-Biliary Association as a member of the Executive Council, Executive Committee, the Research Committee, Publications Committee and the Scientific Program Committee which he chairs.

Lili Wang, PhD

Research Associate Professor of Pathology and Laboratory Medicine

Dr. Wang is an accomplished, collaborative investigator whose research focuses on the development of in vivo gene therapy to the liver for the treatment of inherited metabolic diseases. She also studies host immune response to viral vectors and transgene products. Her scholarship is in leading journals including *Human Gene Therapy*, the *Journal of Virology*, and *Molecular Therapy*. She is a reviewer for a number of journals such as *The Journal of Clinical Investigation*, *Hepatology* and *The Journal of Gene Medicine*. She presents her work nationally and internationally. She is a member of the American Society of Gene and Cell Therapy and served as co-chair of the Genetic and Metabolic Diseases Symposium for the 17th annual meeting of the Society in May, 2014.

E. John Wherry, PhD

Professor of Microbiology

Dr. Wherry is an innovative and influential leader in the field of viral immunology. His investigations focus on understanding the molecular mechanisms, cellular dynamics, and therapeutic responses to T cell responses to pathogens, with a particular focus on T cell exhaustion. In 2012, he was named Director of the Institute for Immunology. He lists 102 peer-reviewed publications in high impact journals such as *Science*, *Nature*, *Immunity*, and *Nature Immunology*. He has served on numerous study sections for the NIH. He makes substantial contributions as an educator and mentor of undergraduate and graduate students, postdoctoral fellows, and clinical fellows. He was chair of the immunology graduate group from 2011 through 2013. He lectures nationally and internationally and is a sought after speaker at prestigious conferences. He is a member of the American Association of Immunologists and the American Association for the Advancement of Science.

Kendal P. Williams, MD, MPH

Associate Professor of Clinical Medicine

Dr. Williams is a prominent clinician, educator and administrator who is recognized for his dedication to the improvement of care delivery and safety. As Service Chief for the Penn Presbyterian Medical Center Department of Medicine, he is responsible for the quality of care delivered, the quality of the housestaff experience, and directing the Hospitalist program. He was the founding director and currently serves as co-director of the UPHS Center for Evidence-Based Practice, whose mission is to support health care quality and safety by summarizing scientific evidence for decision making about high impact drugs, devices, and processes of care. He is an engaging educator of fellows, residents, and medical students. He is one of three national mentors for the Society for Hospitalist Medicine to implement BOOST, a transitions in care quality improvement program. He is a member of the editorial board of *American College of Physicians Hospitalist* and a reviewer for the *Journal of General Internal Medicine* and the *Journal of Hospital Medicine*.

J. Fraser Wright, PhD

Research Professor of Pathology and Laboratory Medicine

Dr. Wright is an internationally renowned vectorologist who has made significant contributions to the field of gene therapy. He is the founding Scientific Director of the Clinical Vector Core in the Center for Cellular and Molecular Therapeutics, an internationally recognized advanced facility that generates, purifies, and characterizes recombinant adeno-associated viruses (AAV) and lentivirus-based gene therapy vectors to support studies in large animal models of disease and for clinical trials. His work has contributed to several landmark clinical trials for Leber's Congenital Amaurosis, Hemophilia B, Parkinson's Disease, and chimeric T cell receptor treatment of lymphoma. He is a member of a number of professional and scientific societies including the International Society for Bioprocess Technology, the National Hemophilia Foundation, the American Society for Gene Therapy, and the American Society of Hematology. He has held organizing roles in scientific meetings.

Albert C. Yan, MD

Professor of Pediatrics at the Perelman School of Medicine

Dr. Yan is a leader in the field of pediatric dermatology, an innovative clinical researcher, and an outstanding educator and clinician. His research focuses on computer vision-assisted evaluation and machine-learning based treatment planning for acne management, infectious influences on drug reactions, and workforce shortage issues in pediatric dermatology. He was elected to the American Dermatological Association in 2010. He makes substantial contributions to the education of medical students, pediatric, and dermatology residents. He developed a board certified pediatric dermatology fellowship program and served as director from 2004 through 2010. This program has been recognized as a premier training program. He received the Dean's Award for Excellence in Teaching in an Affiliated Hospital. He has held leadership positions in national and international professional and scientific societies, including President of the Society for Pediatric Dermatology.

Yu-Xiao Yang, MD, MSCE*Associate Professor of Medicine*

Dr. Yang is a pioneer in the relatively new field of pharmacologic epidemiologist. His research focuses on evaluating the safety and efficacy of existing pharmacological therapies for gastrointestinal epithelial pathologies and delineating the epidemiologic risk factors predisposing to gastrointestinal cancers to develop risk tailored cancer prevention approaches. Dr. Yang has contributed publications in leading journals including *The Journal of the American Medical Association*, *Gastroenterology*, and *Cancer*. He is associate editor of *Pharmacoepidemiology and Drug Safety* and *Annals of Internal Medicine*. He has been appointed to the Clinical Guidelines Committee and the Clinical Practice and Quality Management Committee of the American Gastroenterological Association.

Huayan Zhang, MD*Associate Professor of Clinical Pediatrics*

Dr. Zhang is an accomplished clinician and educator who provides exceptional neonatal care. She serves as the Medical Director of the Newborn and Infant Chronic Lung Program at CHOP and has organized the development of guidelines for the managements of patients with chronic lung disease to improve their outcomes. In recognition of her expertise, she is participating in the development of a neonatology unit at Women's and Children's Hospital in Beijing, a CHOP initiative. She is an excellent teacher and mentor of medical students, residents, and fellows. She is a reviewer for a number of journals including *Pediatric Pulmonology*, *Respiratory Research* and the *Journal of Perinatology*.

Zhaolan Zhou, PhD*Associate Professor of Genetics*

Dr. Zhou is a highly productive investigator whose research contributions are advancing the field of genetics and epigenetics of neurologic disease and cognitive development. His research focuses on the epigenetic control of genome function in brain development and disease and how defects in this process may lead to intellectual disability. He is known particularly for his research in Rett syndrome and CDKL5 disorder and the epigenetic mechanisms that mediate gene-environment interactions. He has a successful record of grant funding. His publications are in highly regarded journals including *Nature Neuroscience and Neuroscience*. He is a reviewer for numerous journals including *Nature*, *Science*, and *The Journal of Biological Chemistry*.



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