



2020  
& 2021

# PROMOTED FACULTY

Raymond and Ruth Perelman School of Medicine  
at the University of Pennsylvania

**Charu Aggarwal, MD, MPH**

*Leslye M. Heisler Associate Professor for Lung Cancer Excellence*

Dr. Aggarwal is a highly accomplished innovator in medical oncology. She spearheads the clinical research program for the airways malignancies program, encompassing thoracic and head and neck cancers. She leads a team of research nurses and clinical research coordinators who are actively engaged in conducting clinical trials. She has successfully expanded the immunotherapy program. Her research is funded by industry, federal, and Penn Medicine sources. Her scholarly contributions are in leading journals including *Journal of Clinical Oncology*, *Clinical Cancer Research*, and *Leukemia and Lymphoma*. She is an outstanding teacher and mentor of medical students, internal medicine residents, and hematology-oncology fellows.

**Geoffrey K. Aguirre, MD, PhD**

*Professor of Neurology*

Dr. Aguirre is an internationally recognized neurologist and cognitive neuroscientist whose innovative and influential translational research uses magnetic resonance imaging and psychophysics to study the organization of the human visual cortex. In 2011, he was named Associate Director of the Center for Neuroscience and Society, an interdisciplinary center administered through the Office of the Provost which focuses on the ethical, legal and social implications of neuroscience. He has made significant contributions to research on the effects of retinal degenerations in the cortex. He has maintained continuous grant support. His publications are in high quality journals. He is a member of the sensory perception and cognition NIH study section. He is an outstanding educator and mentor. He has been Associate Director of the neurology residency program since 2013. In 2018, he received the Resident's Award for Excellence in Teaching.

**DaCarla Mirinda Albright, MD**

*Professor of Clinical Obstetrics and Gynecology*

Dr. Albright is a seasoned, well established clinician in non-operative general Obstetrics and Gynecology. Dr. Albright's area of concentration is in medical education, educational leadership and student and physician wellness. She has assumed numerous administrative roles that have enhanced the scope of her learner-centered activities, including ongoing membership in the OBGYN Education Committee, OBGYN Resident Professionalism and Wellness Committee, OBGYN Clinical Learning Environment Task Force; and membership in the Perelman School of Medicine UME Policy Setting Committee. She was appointed as Associate Dean for Student Affairs and Wellness and is a member on the University of Pennsylvania University Council Committee on Diversity and Equity, currently serving as Assistant Dean of Diversity and Inclusion for Wellness. Dr. Albright was elected to the PSOM Minority Hall of Fame in 2020. Her breadth of teaching is expansive but has focused on medical student education with lecturing, leading small groups and mentoring students, particularly during the OBGYN Clinical Clerkship. She also speaks to high school students once a year in the Julian Krinsky Penn Medicine Summer Program. She has presented a number of talks over the last several years and contributed to a non-peer reviewed research report and multiple alternative media presentations about general topics in OBGYN, as well as wellness and medical education.

**Kelly Costello Allison, PhD**

*Professor of Psychiatry—Clinician-Educator*

Dr. Allison has achieved national prominence for her contributions to the field of eating disorders and obesity, focusing particularly on night eating syndrome (NES). She developed and validated a tool that is used widely in screening for NES and developed treatment approaches using cognitive therapy. She has been the Director of the Center for Weight and Eating Disorders since 2017. Her scholarly contributions are numerous and noteworthy. In 2016, she received the Eliot Stellar Research Award. She has been a fellow of the Academy for Eating Disorders since 2011. She makes extensive contributions to the education of medical students, graduate students, residents, pre-doctoral students and other trainees. In 2019, she received the Martin P. Szuba Award for Excellence in Clinical Teaching and Research. She is invited to lecture regionally and nationally.

**Joshua F. Baker, MD, MSCE**

*Associate Professor of Medicine—Clinician-Educator*

Dr. Baker is a highly accomplished independent and collaborative clinical researcher who is an expert in rheumatoid arthritis. He focuses on the assessment of disease activity, risk of long-term joint damage, and the evaluation of muscle and bone deficits using magnetic resonance imaging. In 2020, he was named Director of the Clinical Research Center at the Corporal Michael J. Crescenz Veterans Affairs Medical Center. He has contributed significantly to the literature in his field. He is a member of the editorial board of *Journal of Clinical Rheumatology*, an advisory editor of *Arthritis & Rheumatology*, and associate editor of *ACR Open*. He is a highly valued teacher and mentor locally and nationally. He is a mentor to the Creating Adult Rheumatology Mentorship in Academics program, an American College of Rheumatology program to support career development of trainees and junior faculty.

**Frances Balamuth, MD, PhD, MSCE**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Balamuth is a nationally and internationally recognized scholar in pediatric emergency medicine, focusing on pediatric sepsis epidemiology, recognition, and treatment. She leads a multi-institutional study designed to improve the care of children with sepsis. She has had a continuous record of funding for her research. She has contributed numerous peer-reviewed publications in premier journals in her field. She is an excellent teacher and mentor of trainees. She has served on the American Academy of Pediatrics Steering Committee, Septic Shock Collaborative as well as the Society of Critical Care Medicine International Septic Shock Guidelines Committee, and Pediatric Sepsis Definition Task Force. She is a member of the Centers for Disease Control and Prevention Pediatric Sepsis Surveillance Committee and the American College of Emergency Physicians Sepsis Task Force.

**Olga Barg, MD**

*Associate Professor of Clinical Psychiatry*

Dr. Barg is an expert in geriatric and general psychiatry who is known for her extensive breadth of knowledge, her administrative leadership skills, her collaborative ability, and her kind and compassionate patient care. In 2018, she was named Medical Director of Hall-Mercer Community Mental Health Center and in 2019, Medical Director of Inpatient Psychiatric Services at Penn Medicine. She also has expertise in clinical informatics, focusing on such areas as sustainability of regulatory compliance, optimization of clinical operations, and monitoring productivity and performance metrics. Her exemplary service is evident by her involvement in over twenty-five academic and institutional Hof the Geriatric Fellowship. She is an extraordinary teacher, mentor and role model who is known for creating a positive and collaborative learning environment.

**Todd D. Barton, MD**

*Professor of Clinical Medicine*

Dr. Barton is an outstanding clinician, exceptional teacher, and insightful leader. He is known for his broad fund of knowledge and clinical judgment. His clinical focus is on immunocompromised patients on the inpatient services at HUP providing consultative expertise on patients on the oncology or inpatient infectious diseases service, the latter with a focus on HIV-infected patients. His administrative role for the department of medicine is serving as Program Director of the Internal Medicine Residency Training Program at HUP. In this role, he has chosen two areas on which to focus: diversity and inclusion and resident wellness. He has received numerous teaching awards. His talents as an educator cannot be overstated. His contributions to education have a national reach. In 2019, he was elected to the Council of the Association of Program Directors in Internal Medicine.

**Mathias Basner, MD, PhD, MSc**

*Professor of Psychiatry*

Dr. Basner is 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 aerospace medicine. He was a senior investigator on iCOMPARE, an NHLBI-funded multi-center randomized trial of alternative duty hour policies for residents in internal medicine published in *The New England Journal of Medicine* in 2019. His publications are in high impact journals including *The Lancet*, *Sleep*, *Proceedings of the National Academy of Sciences*, and *The Journal of the American Medical Association*. In 2018, he received the International Space Station (ISS) Award – Earth Science and Remote Sensing for “Development of Neurocognitive Assessment Battery for Use on the ISS”, from the American Astronautical Society.

**Andrew J. Bauer, MD**

*Professor of Pediatrics—Clinician-Educator*

Dr. Bauer is one of the world's leading authorities in the evaluation and management of pediatric thyroid nodules and thyroid cancer. He was one of 12 international experts invited by the World Health Organization to develop guidelines for thyroid disease monitoring after radiation exposure. He has contributed peer-reviewed publications in leading journals including the *Journal of Endocrinology* and *The Journal of Clinical Endocrinology and Metabolism*. He is a member of the editorial boards of the *Journal of Thyroid Disorders and Therapy* and *Thyroid* and a reviewer for numerous additional journals. He is a sought after speaker nationally and internationally and has had numerous organizing roles in scientific meetings.

**Gregory L. Beatty, MD, PhD**

*Associate Professor of Medicine*

Dr. Beatty is a nationally recognized immune oncologist whose innovative research program combines basic and translational research as well as clinical trials to focus on the biology and immunobiology of gastrointestinal malignancies, particularly pancreatic cancer. In addition to the translation of immunotherapeutic strategies for the treatment of these cancers, his clinical research is focused on translating novel imaging strategies to the clinic to understand therapeutic responses to immunotherapy. He also collaborates with radiation oncologists to understand the role of radiation for activating immune responses against pancreatic carcinoma. He has an impressive record of funding and scholarship. He has given numerous invited lectures at prestigious universities and symposia, including multiple Gordon Conferences and AACR conferences.

**Justin E. Bekelman, MD**

*Professor of Radiation Oncology—Clinician-Educator*

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 has served as Director of the Penn Center for Cancer Care Innovation in the Abramson Cancer Center and chief of the genitourinary oncology service in radiation oncology since 2018. His publications are in leading journals in radiation oncology and health services including *Health Services Research, Cancer* and the *Journal of Clinical Oncology*. He is an excellent teacher and mentor of undergraduate and graduate students, medical students, postdoctoral fellows, residents and fellows.

**Jeffrey I. Berman, PhD**

*Research Associate Professor of Radiology*

Dr. Berman is a world renowned investigator who has made seminal contributions to advanced neuroimaging. He uses a multi-modal approach to improve the characterization and understanding of the brain and bridges the gap between methodological innovations and clinical applications. He is a pioneer in the use of diffusion tensor imaging (DTI), DTI-based neuronal fiber tracking, and other advanced, quantitative neuroimaging methods in the brain. These advances have applications in surgical planning. More recently, he has developed and applied cutting edge imaging methods to provide insights into abnormal brain structure and function in autism spectrum disorders. Many of his publications are highly cited and in top tier journals in the field, including *Radiology*, *NeuroImage*, *Neurology*, *Annals of Neurology*, *American Journal of Neuroradiology*, *Journal of Magnetic Resonance Imaging*, and *Journal of Neurosurgery*. He has an impressive record of mentoring students and fellows. He is a member of the Research Scientist Committee of the American Society of Neuroradiology.

**Seema Bhatnagar, PhD**

*Professor of Anesthesiology and Critical Care*

Dr. Bhatnagar is a leading neuroscientist who is making significant contributions to research in stress neurobiology, focusing on the neural basis of individual differences in response to stressful experiences. This includes identifying neural substrates that produce resiliency of vulnerability to the effects of stress and determining treatments to mitigate vulnerability and to promote resiliency through both preclinical and translational studies. She has been successful in securing funding for her research. Her peer-reviewed publications are in specialty journals including *Brain Research*, *Journal of Neuroendocrinology*, and *Endocrinology*. She is a member of the editorial boards of *Developmental Psychobiology*, *Physiology and Behavior* and *Stress: the International Journal on the Biology of Stress*. She has served as chair for a number of workshops and symposia for national and international scientific meetings.

**Tricia R. Bhatti, MD**

*Associate Professor of Clinical Pathology and Laboratory Medicine*

Dr. Bhatti is a gifted pediatric anatomic pathologist who is a subspecialty expert in congenital hyperinsulinism (HI), a rare disease for which CHOP is one of the leading centers worldwide. Her input is virtually required during all pancreatic surgeries for congenital HI. She is known for her exceptional communication skills and her thorough and thoughtful work. She is an excellent teacher who is particularly skilled in teaching in the setting of one-on-one preceptorships. She is co-Director for the Pediatric Pathology Fellowship Program and Director of the organ histology course. In 2020, she was named Vice Chair of Education. She received the Peter C. Nowell Teaching Award in 2019. She has expanded her outreach internationally with her participation in the education program in Botswana and Vietnam.

**Geoffrey L. Bird, MD, MSIS**

*Associate Professor Clinical Anesthesiology and Critical Care*

Dr. Bird is a cardiac intensivist and Medical Director of Clinical Operations at CHOP. He is highly respected for his contributions to advancing the goals in all areas of clinical operations with a specific focus on promoting high reliability, safety, efficiency and optimal resource utilization in patient care. His service and expertise continue to be recognized by a growing number of national and international commitments, including being the local Clinical Champion, an executive committee member, and a subcommittee chair for CHOP's participation in the Pediatric Critical Care Consortium, an international collaborative registry with more than 60 member pediatric institutions. He is a superior clinician and educator. His lectures and bedside teaching are considered exceptional.

**Stephanie A. Black, MD**

*Associate Professor of Clinical Anesthesiology and Critical Care*

Dr. Black is an excellent clinician educator and a model educational leader. At CHOP she provides anesthesia care to neonates, infants and children undergoing surgical, medical, and radiological procedures. She currently serves as the Pediatric Anesthesiology Fellowship Program Director after excelling as the Associate Program Director from 2014-2018 and the Co-Director from 2018-2019. She is an active member of the Society for Pediatric Anesthesia and has served on various committees, including the Education Committee. In 2017, she was awarded their "Young Turk" award for demonstrating leadership in her discipline and this national organization. Since 2018, she has served as the Associate Division Chief for Education and Professional Development. She was the founder and Director of the Professional Development Programs and chaired its Education Council; Institutional Coordinator and co-founder of the ViSiPAP (Visiting Scholars in Pediatric Anesthesiology Program) national speaker exchange program, member of the CHOP Graduate Medical Education Committee, member of the CHOP Center for Leadership and Innovations in Medical Education (CLIME), and a Directing Member of the Departmental Wellness Committee. In recognition, she was invited to serve as a Departmental Delegate to CHOP's Physician Leadership Program in 2018.

**Mercedes Blackstone, MD**

*Professor of Clinical Pediatrics*

Dr. Blackstone is a clinical leader and innovator and an exceptional educator and mentor. In 2018, she was named Associate Medical Director of Operations for the division of emergency medicine, a leadership role responsible for setting and implementing goals and standards that foster safe, effective and best care practices in the emergency department. She is credited with bringing innovative ideas and initiatives that have improved clinical standards and patient care within the institution, nationally, and internationally. She has been invited to present her work in national and international venues. She is an exemplary teacher and mentor who was elected to the CHOP Faculty Honor Roll each year from 2009-15 and received the Jean A. Cortner Divisional Teaching Award for "Excellence in and Commitment to Resident Teaching" in 2007, 2007, and 2021.

**Christopher P. Bonafide, MD, MSCE**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Bonafide is an influential leader in the pediatric hospitalist field. His clinical research is at the intersection of patient safety and technological innovation. He focuses on discovering the best ways to identify deteriorating patients in the hospital and the most effective mechanisms to respond to those patients to improve outcomes. An additional area of interest is identifying consequences of interventions intended to improve patient safety. His publications are in prestigious journals such as *JAMA*, *Journal of the American Medical Informatics Association*, and *Pediatrics*. He is an outstanding teacher and mentor of medical students and residents in the field of pediatric hospital medicine, quality and safety, and medical informatics. In 2017, he collaborated with educators and leaders in the division of general pediatrics to develop and launch a fellowship in pediatric hospital medicine. He was elected to the CHOP Early Career Faculty Honor Roll in 2016, 2017, and 2018.

**Roberto Bonasio, PhD**

*Associate Professor of Cell and Developmental Biology*

Dr. Bonasio is a pioneering investigator in sociogenomics, an emerging field that integrates molecular biology, genomics, neuroscience, and behavioral biology. Among his many contributions are two seminal studies. He used *Harpegnathos saltator* ants, an ideal system to study epigenetic regulation of behavior, to show that the differences between the castes are controlled by a single neuropeptide gene in the brain. In another study, he developed methods to identify physical interactions between noncoding RNAs and chromatin modification enzymes. More recently, he has been using the ant model to understand brain aging and neurodegeneration. He received the Linda Pechenic Montague Award in 2015. That same year, he was named a Kavli Fellow. He makes significant contributions to graduate student education. At Penn, he is a highly respected, generous collaborator who adds significantly to the research community.

**Donald L. Boyer, MD, MEd, FAAP**

*Associate Professor of Clinical Anesthesiology and Critical Care*

Dr. Boyer is a skilled academic clinician. He is an Attending Intensivist in the Division of Critical Care Medicine, providing medical direction for patients in the Pediatric Intensive Care Unit at CHOP. He provides high-value, evidence-based care to critically ill infants, children, and adolescents with an academic and leadership concentration in medical education, specifically focused on program design, implementation, and improvement. He is currently the Program Director of the Pediatric CCM fellowship program and Co-Director of the Master's in Medical Education program at Penn. He is an active member of the Society of Critical Care Medicine and is currently Chair-elect of the Pediatric Program Director's Committee. Additionally, he is a Fellow of the American Academy of Pediatrics. He was named to the Early Career Faculty Honor Roll, Pediatric Residency Program three years in a row (2017-2019).



**David J. Bozentka, MD**

*Professor of Orthopaedic Surgery—Clinician-Educator*

Dr. Bozentka is an outstanding, highly productive orthopaedic surgeon who is recognized as an expert in the field of hand and upper extremity surgery. He has been chief of the Hand Surgery Section of orthopaedic surgery since 1997 and Chief of orthopaedic surgery at Penn Presbyterian Medical Center since 2007. His research has contributed to advancing the understanding of fractures of the distal radius, imaging of the hand and wrist, telemedicine, and Dupuytren's contracture. In 2016, he was elected to The Academy of Master Clinicians. He is considered a model educator of residents and fellows. He has co-chaired the Resident Educators Workshop at the American Society for Surgery of the Hand annual meeting for many years.

**Erike Brandsma, MD**

*Associate Professor of Clinical Pediatrics*

Dr. Brandsma is a neonatologist in the newborn/infant intensive care units at CHOP and HUP including attending in the Special Delivery Unit at CHOP and overseeing neonatal transports. He has special expertise in the management of infants with chronic care needs as well as infants with a high acuity and complexity of care. He is also skilled at US guides procedures and bedside diagnostic ultrasounds and has developed a local and regional reputation in this field. He is a recognized expert in these areas throughout the region. He provides an outstanding educational experience to fellows, residents, and medical students. He was named to the 2018 Early Career Faculty Honor Roll by the Senior Resident Graduating Class at CHOP. He is a driving force for advancing and teaching point of care ultrasound in the ICU.

**Donita C. Brady, PhD**

*Harrison McCrea Dickson, M.D. and Clifford C. Baker, MD Presidential Professor*

Dr. Brady has made pioneering contributions to research in the role of copper (Cu) as a component of oncogene-related signal transduction pathways. Her research program is founded in a new paradigm in nutrient sensing and protein regulation, called metalloallostery, where redox-active metals control kinase activity. She focuses on the intersection of protein kinase signaling, copper homeostasis, and cancer to study the ways in which cells use metals like copper to communicate and leveraging those unique connections to forestall cancer progression. Her groundbreaking and highly cited 2014 *Nature* paper described the critical role of copper in the action of oncogenic B-Raf and her 2017 *Cancer Research* paper described the potential therapeutic applications. In 2020, she received the Michael S. Brown New Investigator Award. She is also an outstanding Penn citizen, a generous colleague, an extraordinary role model, and a leader in diversity and equity.

**Terri Brown-Whitehorn, MD**

*Professor of Clinical Pediatrics*

Dr. Brown-Whitehorn is recognized nationally and internationally for her expertise in food allergy, particularly IgE-mediated, eosinophilic esophagitis and food intolerance and has had an impact on the field. She has founded several CHOP clinical programs focused on FPIES and food intolerance. She lectures widely on a myriad of food allergy-related topics. She has also been involved with the development of EPCI applications as they have spread to the specialty level and is currently the division EPIC Super User and, as such, is integral to the ways in which the division uses EPIC in day-to-day clinical operations. She received the prestigious Master Clinician award from CHOP. She is an excellent teacher and mentor who has developed a diversity of initiatives and interactive teaching approaches with fellows. She is considered a role model for compassionate patient care.

**Vatinee Y. Bunya, MD, MSCE**

*Associate Professor of Ophthalmology—Clinician-Educator*

Dr. Bunya excels as an investigator, clinician, and educator. She is an expert in the diagnosis and treatment of ocular surface disease, particularly dry eye disease. She co-founded and has been the Co-Director of the Penn Dry Eye & Ocular Surface Center since 2009. The center, the only one of its kind in the tri-state area, offers the most up-to-date, comprehensive care for patients with dry eye, blepharitis, and various ocular surface disorders. She has been a key participant in several high impact clinical trials that have changed diagnostic and treatment recommendations for dry eye and ocular surface diseases, such as the Sjögren's Syndrome and the DREAM (DRy Eye Assessment and Management) studies. Her research has been published in high impact journals such as *JAMA Ophthalmology* and the *New England Journal of Medicine*. She is an editorial board member of *The Ocular Surface*.

**Carrie M. Burns, MD**

*Professor of Clinical Medicine*

Dr. Burns is an outstanding endocrinologist who is admired for her depth of medical knowledge, her excellent clinical judgement and her rapport with patients and colleagues. Using her expertise in pre-gestational and gestational diabetes, she founded and directs the Diabetes in Pregnancy Program at the Penn Rodebaugh Diabetes Center widely known for delivering the highest level of patient care to high-risk patients. She also provides more broad-based endocrinology clinical care including thyroid and metabolic bone disease at Penn Medicine Radnor. She is known as a thoughtful and exceptionally dedicated teacher and mentor.

**Heather Herson Burris, MD, MPH**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Burris is a prominent clinical and translational perinatal researcher who uses an interdisciplinary approach to study the effects of societal and environmental factors on birth outcomes and their disparities. Her work is having an impact on the field of racial disparities by identifying rectifiable environmental exposures to improve the likelihood of birth outcome equity. She is a leader in a March of Dimes funded initiative called GeoBirth, a database of all births at Penn Medicine since 2008 designed to study birth outcome disparities in Philadelphia. She publishes her work in epidemiology, pediatrics, ob-gyn, environmental science, and epigenetic journals. She is an editorial review board member of *Environmental Epigenetics Journal*. In 2016, she received the Mentor of the Year award from the New England Perinatal Society. She is a sought-after speaker on the issue of racial disparities in birth outcomes.

**Robin Canada, MD**

*Professor of Clinical Medicine*

Dr. Canada is an internal medicine clinician in the Penn Center for Primary Care. She is committed and recognized for her work in community health, which is reflected in her clinical work and other activities at Puentes de Salud and in the buprenorphine program located in the clinic. She was a member of a team of clinicians who developed a protocol for managing opioid prescriptions that has been incorporated into the Division of General Internal Medicine's EPIC. Dr. Canada's area of concentration is creating opportunities for Penn medical students and residents to learn how to provide high-quality medical care to patients from vulnerable populations. She created Penn's first graduate medical education relationship with the Indian Health Service, and has rotations for residents both at Ft. Defiance with the Navajo Nation, and Whiteriver, with the Apache Nation. Others are in Philadelphia, for example, in a safety net clinic and another for undocumented and uninsured Spanish-speaking patients.

**Jeremy W. Cannon, MD, SM**

*Professor of Surgery—Clinician-Educator*

Dr. Cannon is an outstanding surgeon, a committed educator, and an accomplished investigator. He is an expert in trauma resuscitation and hemostasis strategies following traumatic injury. He has been the Trauma Program Medical Director and Section Chief of Trauma Surgery at Penn Presbyterian Medical Center since 2018. His research focuses on improving outcomes from hemorrhagic shock, developing technology for the treatment of acutely injured patients, and military-civilian healthcare and training partnerships, with a specific interest in using quality metrics to identify opportunities for improvement in combat casualty system of care. He is highly decorated active duty veteran at the rank of Colonel in the US Air Force Reserves. Among his publications are guidelines for the Eastern Association of Trauma that have become the standard of care for traumatic hemorrhagic management and a highly influential review article on managing hemorrhagic shock in the *New England Journal of Medicine*.

**Gabriel Caponetti, MD**

*Associate Professor of Clinical Pathology and Laboratory Medicine*

Dr. Caponetti is an excellent hematopathologist who has an expansive knowledge of the field. He is widely known for his exemplary diagnostic accuracy and acumen, his accessibility, and the meticulousness with which he creates his reports and provides his sign outs. He is a frequent speaker at regional and international meetings on a variety of hematolymphoid neoplasms. He is a highly respected medical educator. He provides clinical and diagnostic instruction for pathology residents and fellows in a broad array of hematopathology subspecialties. He also participates in process improvement projects that are part of the division's quality management program.

**Robert B. Carrigan, MD**

*Associate Professor of Clinical Orthopaedic Surgery*

Dr. Carrigan is a regional and national leader in pediatric hand surgery, particularly with regard to difficult or challenging clinical scenarios. He is one of fewer than 100 pediatric hand surgeons in the country. He is known for delivering world class surgical care and outstanding overall patient experience. He is an excellent and enthusiastic educator. He teaches and supervises fellow and residents in the OR, provides didactic teaching for fellows and residents on topics of upper extremity orthopaedic surgery, and teaches medical student during orthopaedic rotations. He lectures frequently at the annual meetings of the Pediatric Orthopaedic Society of North America and the American Society for Surgery of the Hand.

**Keith A. Cengel, MD, PhD**

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

Dr. Cengel is a national leader in radiation oncology who uses photodynamic therapy (PDT) and ionizing radiation to improve outcomes for patients with thoracic and neuroendocrine cancers. He has been successful in securing extramural support for his research. He has served as Executive Director of the Penn Mesothelioma and Pleural Diseases Program since 2016. The program offers treatments available worldwide and a number of treatments obtainable only at the Harron Lung Center. He has contributed numerous peer-reviewed publications in premier journals in his field including *Radiation Research*, *Neoplasia*, *Cancer Biology and Therapy*, and *Cancer Research*. He presents his work nationally and internationally. He is past President of the American Society of Photobiology and a member of the Research Grants and Evaluation Subcommittee of the American Society for Radiation Oncology.

**Madeleine Chadehumbe, MD**

*Associate Professor of Clinical Neurology*

Dr. Chadehumbe is an exceptional clinician and educator. She is the Medical Director at CHOP's Princeton Specialty Care Center. She has developed a clinical and teaching partnership with Princeton hospital and provides ongoing neurology education to the emergency department, hospitalists, and community providers. She also plays an educational and headache care role at the CHOP Main location. She is an expert in headache medicine and intracranial hypertension. She was a significant contributor to the development of the headache program, participating in all aspects of program design and implementation. She also leads quality improvement initiatives. She is known for her comprehensive, compassionate care of children with headache and complex pain disorders. She is an engaged and interactive teacher who is viewed as a role model by students and residents.

**Alice S. Chen-Plotkin, MD**

*Parker Family Professor of Neurology*

Dr. Chen-Plotkin is a leading scholar in the field of neurodegeneration who seeks to advance the understanding of mechanisms underlying neurodegenerative disease in order to intervene in such disease processes as Parkinson's disease and frontotemporal dementia. She uses unbiased genomic- or proteomic-scale screens in human-derived materials to generate leads, which are then followed mechanistically in relevant systems including neuronal culture and *in vivo* animal models. In 2018, she became the founding Director of the cross-departmental Molecular Integration in Neurological Diagnosis (MIND) Initiative, a program in which patients with neurological diseases will be characterized at the DNA and biomarker levels in order to improve clinical care and accelerate therapeutic development. In 2018, she received the Derek Denny Brown Award from the American Neurological Association, the ANA's highest and most prestigious award that honors those neurologists and neuroscientists in the first 10 years of their faculty careers who have made outstanding basic and clinical scientific advances toward the prevention, diagnosis, treatment, and cure of neurological diseases.

**Neel P. Chokshi, MD, MBA**

*Associate Professor of Clinical Medicine*

Dr. Chokshi is an eminent sports cardiologist. He is the founder and Medical Director of the Penn Sports Cardiology and Fitness Program. In addition to clinical responsibilities, he supervises an Exercise Physiology Program, leads operations for clinicians, and organizes community outreach to promote exercise and heart health. He also focuses on digital health and is leading the development of Center for Digital and Connected Cardiovascular Health. In this role, he leads the effort to leverage non-traditional data sources to disrupt conventional approaches to care. He was named a Penn Medicine Health Care Hero in 2017 and 2018. He is an excellent teacher, mentor and clinical guide for medical students, residents, and fellows.

**Carol M. Chou, MD**

*Professor of Clinical Medicine*

Dr. Chou is an expert in patient-provider communications. She teaches faculty members, learners, and healthcare teams how to optimize their communication skills with patients.. She serves as a coach to faculty and trainees on communication skills and professionalism. She is course director of Healer's Art, a professionalism and humanism course for first year and third/fourth year medical students. She gives a yearly workshop on Teaching Medical Professionalism in the Frontiers in Medical Education Course. In 2016, she received the Leonard Tow Humanism in Medicine Award. In 2018, she received the Radhika Srinivasan Award for Humanism and Professionalism in Medicine and, in 2020, she was selected for the Duncan Van Dusen Professionalism Award for Faculty. She is a leading figure in the Academy of Communication in Healthcare.

**Emily Y. Chu, MD, PhD**

*Associate Professor of Dermatology*

Dr. Chu is a nationally recognized dermatologist and dermatopathologist who has made significant contributions in the area of cutaneous oncology and oncodermatology, particularly melanoma, pigmented lesions, and genetic skin diseases. Her translational research has advanced the understanding of cutaneous lesions in Lynch syndrome, melanoma, atypical nevi, and reactions to targeted and immunotherapy agents. In 2013, she was named Director of the Cancer Genodermatoses Clinic. In 2020, she became the Co-Director of the Medical Oncodermatology Service. She has contributed peer-reviewed publications in premier journals including *JAMA Dermatology*, *Journal of Cutaneous Pathology*, *Journal of the American Academy of Dermatology*, *Nature*, and *Nature Communications*. In 2019, she received the Bernett L. Johnson Attending Teaching Award. She is a member of the Clinical Guidelines Committee of the American Academy of Dermatology and the Board of Trustees of the Dermatology Foundation. She is the inaugural chair of the Education Programming Committee of the Women's Dermatologic Society.

**Christine A. Ciunci, MD, MSCE**

*Associate Professor of Clinical Medicine*

Dr. Ciunci is a busy and well-respected clinician. She is an expert in clinical care for thoracic malignancies as well as administrative leadership and currently serves as the Section Chief for Hematology/Oncology Division at Penn Presbyterian Medical Center. She has helped to expand Oncologic Services across the Penn Medicine Network especially in South Jersey and in collaboration with Lancaster General Hospital where she serves as an advisor to the Head and Neck Tumor Board. She is the physician lead for the Cancer Service Line at PPMC and is a panel member for the National Comprehensive Cancer Network (NCCN). She enrolls patients in clinical trials for lung cancer and mesothelioma programs and has received PPMC's Bach Fund Grant for the Clinical Trials Ambassador Program to increase clinical trials opportunities for diverse populations. She is a member of the American College of Physicians, American Society of Clinical Oncology and American Society of Hematology.

**Norma B. Coe, PhD**

*Associate Professor of Medical Ethics and Health Policy (converted to tenure)*

Dr. Coe is a preeminent health economist who is recognized for her innovative and influential research in a number of important areas impacting society and public policy. She combines health economics, health services research, and health policy to focus on such areas as the health effects of retirement, long-term care, the costs of caregiving for people with Alzheimer's disease and related dementias, and end-of-life care. She is the Co-Director of the Population Aging Research Center. She has an excellent record of competitive external funding from federal and foundation sources. Her scholarly contributions are often highly cited and are published in premier journals. She is a standing member of NIH's Social Sciences and Population Studies Study Section review committee. She is a member of the International Health Economics Association, the American Society of Health Economists, and the Association for Public Policy and Management.

**Adam D. Cohen, MD**

*Associate Professor of Medicine—Clinician-Educator*

Dr. Cohen is a prominent independent and collaborative clinical investigator who focuses on novel therapeutics for patients with multiple myeloma and hematological malignancies and on immunotherapy. He is acknowledged widely for his expertise in the use of novel antibodies, cell-based therapies and vaccines for treating melanoma, and particularly for his contributions to the development of CAR T therapy for myeloma. In 2013, he was named Director of Myeloma Immunotherapy and in 2018, Co-Director of the Amyloidosis Program. He has contributed numerous peer-reviewed publications, including a seminal paper on an investigator-initiated phase 1 trial BCMA-targeted CAR T cells in myeloma in *Journal of Clinical Investigation*. He is an active member of the Eastern Cooperative Oncology Group, the International Myeloma Working Group, and the Blood and Marrow Transplantation Clinical Trials Network.

**Joanna C.M. Cole, PhD**

*Associate Professor of Clinical Psychiatry*

Dr. Cole is a leader in perinatal mental health and bereavement services. She is an authority in the principles of perinatal mood and anxiety disorders (PMADs), traumatic stress, and perinatal substance abuse and is skilled in applying this knowledge to complex clinical cases and identifying co-occurring mental illness in the context of high risk pregnancy. Due to her outstanding clinical and teaching reputation, she was elected to the Board of Directors for the Postpartum Support International, the leading international organization dedicated to increasing awareness of the risks of PMADs. She is recognized by her peers as an outstanding teacher and collaborator. She teaches in a variety of educational domains, mentors a wide variety of trainees, and participates in multiple educational committees.

**Kristina Cole, MD, PhD**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Cole is a nationally recognized authority in the field of pediatric oncology, with specific expertise in brain tumors and neuroblastoma. She combines her expertise in molecular pathology, cancer genomics, and developmental therapeutics to identify novel treatments for children with cancer. She has led national and international clinical trials for major consortia, including The Children's Oncology Group and the Pacific Pediatric Neuro-Oncology Consortium. She has played a leading role in the development of one of the world's largest pediatric tissue banks as well as the Pediatric Tumor Atlas, a highly valued resource for the pediatric community. She is a talented and dedicated teacher and mentor of residents and hematology-oncology fellows. She organized a weekly lecture series for high school, undergraduate and medical students conducting summer basic, translational, or clinical research in the CHOP Center for Childhood Cancer Research.

**Laura K. Conlin, PhD**

*Associate Professor of Pathology and Laboratory Medicine—Clinician-Educator*

Dr. Conlin is acknowledged widely for her contributions in genomics research and clinical testing. She is an expert in using single nucleotide polymorphism (SNP) arrays to study and diagnose disorders caused by mosaicism for genome abnormalities. She is also an expert in copy number analysis from genomic techniques. She led an international collaboration that resulted in the identification of a new imprinting disorder, Mulchandani-Bhoj-Conlin syndrome, a genetic disease caused by an abnormality of chromosome 20 and characterized by failure to thrive, severe short stature and profound feeding difficulty. She is the Director of Genomic Diagnostics. In that role, she develops genomic tests based on clinical need, establishes technical parameters to meet the goals of the tests, signs-out patient specific tests, and participates in training laboratory fellows and other trainees. She is a sought after speaker at conferences including the Cancer Genomics Consortium and the Clinical Sequencing Evidence-Generating Research consortium.

**Brett Cucchiara, MD**

*Professor of Neurology--Clinician-Educator*

Dr. Cucchiara is a nationally renowned neurologist with expertise in the field of stroke and migraine. His clinical research focuses on biomarkers of cerebrovascular disease and on risk stratification and treatment of patients with transient ischemic attack and the relationship between vascular abnormalities and migraine headache. His research has been funded by industry and federal sources. He publishes in leading journals including *Stroke*, *Neurology*, *Lancet Neurology*, *Neurocritical Care* and *Archives of Neurology*. With his colleague, Dr. Raymond Price, he created a neurology textbook of diagnostic and therapeutic algorithms, *Decision Making in Neurology*. He is an active and highly effective educator and mentor of medical students, residents, fellows and colleagues. He is a member of the American Academy of Neurology and the American Heart Association/American Stroke Association.

**Allison E. Curry, PhD, MPH**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Curry is an innovative, highly accomplished independent and collaborative researcher in the field of transportation safety among adolescent drivers. Her research focuses on motor vehicle crashes which are among the leading causes of death and disability for teens and young adults. She leads the development of the New Jersey Safety and Health Outcomes Data Warehouse, a tool that is being used to advance safety and health research and associated epidemiologic methods through novel linkages of state-level administrative data sources. She also studies safe driving among adolescents with developmental disabilities, including ADHD and autism. She has been continuously funded by NIH since 2012. She has contributed peer-reviewed publications in premier journals such as *JAMA Pediatrics*, *American Journal of Preventive Medicine*, *Pediatrics*, and *Journal of the American Academy of Child and Adolescent Psychiatry*. She is an outstanding teacher and mentor of undergraduate and graduate students, postdoctoral fellows, and physicians.

**Mandeep S. Dagli, MD**

*Associate Professor of Clinical Radiology*

Dr. Magli is a highly skilled interventional radiologist who has developed several clinical areas of expertise including the management of primary and metastatic liver cancer, management of portal hypertension, and biliary interventions. He has also developed a special focus on quality improvement in interventional radiology and has a formally funded administrative role as the physician QA/QI leader. He has championed numerous completed and ongoing quality improvement initiatives focused on improving the patient experience, patient care, cost effectiveness and operational efficiency. Some of his projects have had institution wide and national impact. Nationally, he serves on both the Society of Interventional Radiology's Standards of Practice Committee and the Technology Assessment Committee. He is also an excellent educator and mentor.

**Kathryn Adamiak Davis, MD, MSTR**

*Associate Professor of Neurology—Clinician-Educator*

Dr. Davis is a national leader in epilepsy research, particularly in neuroimaging and advanced intracranial encephalogram (EEG) analysis in epilepsy diagnosis and treatment. Her innovative clinical research has influenced patient care through the development and implementation of new methods for localizing and characterizing seizure networks in patients with medication resistant seizures who are being evaluated for surgery to remove the seizure focus. She has contributed peer-reviewed publications in premier journals in her field. In 2018, she was named Assistant Director of the Penn Epilepsy Center. That same year, she received the prestigious Dreifuss-Penry Epilepsy Award from the American Academy of Neurology. In 2016, she was elected Fellow of the American Epilepsy Society. She is a highly regarded teacher and mentor of students in the Perelman School of Medicine and Penn Engineering. She is the Chair of the Advocacy for Funding Task Force for the International League against Epilepsy.

**Mariella De Biasi, PhD**

*Professor of Psychiatry*

Dr. De Biasi is an outstanding translational neuroscientist. Her research integrates several experimental approaches from the analysis of behavior to state-of-the-art techniques in molecular biology, electrophysiology and neurochemistry to investigate nicotine addiction and withdrawal mechanisms. More recently, she has expanded her research to include dual dependence, focusing on individuals who are dependent on alcohol as well as nicotine. She has been the Director of the Program on Cholinergic Mechanisms in Addiction and Mental Illness since 2014. She has been consistently well funded. She publishes her research in prominent journals such as *The Journal of Neuroscience*, *Molecular Psychiatry*, *Biological Psychiatry*, *Science* and *Nature Genetics*. She is an editorial board member of *Neuropharmacology*. She became a member of the American College of Neuropsychopharmacology in 2018.

**Andres Felipe Deik, MD., MEd**

*Associate Professor of Clinical Neurology*

Dr. Deik is a leading clinician in Movement Disorders with a specialty in dystonia regionally, nationally, and internationally. He is an expert in the diagnosis and management of dystonia, including rare and common forms of dystonia. He sees pediatric patients being considered for Deep Brain Stimulation (DBS) and has partnered with CHOP to help bridge the pediatric and adult movement disorder programs at CHOP and Penn. He is a proven leader, evident in his role as the Director of the Comprehensive Parkinsonism (COPE) clinic for patients with atypical parkinsonian syndromes. He is the Associate Director of the recently established Movement Disorders Fellowship which merges the VA and the University Movement Disorder Fellowship programs. He is also co-director of the neurology residency rotation in movement disorders and a member of the Fellowship Selection Committee. During the pandemic, he developed a hybrid in-person/telemedicine model and is working with one of the Movement fellows on a QI project to evaluate the effectiveness of the program. Dr. Deik supervises medical students, residents and fellows in the outpatient clinic and attends with residents and medical students on the inpatient service. She also teaches in numerous capacities and has embraced the opportunity to teach non-neurologists in movements disorders. Dr. Deik has broad experience in teaching in and leading CME programs regionally, nationally and internationally. Nationally he has been invited for consecutive years to participate in the “Evaluating Tremor at the Office” course at the American Academy of Neurology Annual Meeting, including courses for Spanish speaking attendees. He has also given talks in Costa Rica, South Africa, and Madagascar where he represented the American Academy of Neurology in 2018.



**Eva Margo Delgado, MD***Associate Professor of Clinical Pediatrics*

Dr. Delgado is a superb clinician and an excellent educator. Her bedside manner and ability to connect with patients and families is exemplary. She lectures locally and regionally. She has made significant contributions in her role as Director of Emergency Medicine Resident Education. She has had a regional impact on the medical education of emergency medicine residents and has led regional initiatives focused on emergency medicine education. Seven residency programs send their residents to the CHOP emergency department each year for focused training. She was named to the Early Career Faculty Honor Role for Outstanding Teaching by the pediatric residents at CHOP in 2016 and 2018. She excels particularly in the areas of procedural teaching and curriculum innovation. She has led a Procedures Workshop in at a national continuing medical education course.

**Michelle Denburg, MD, MSCE***Associate Professor—Clinician-Educator*

Dr. Denburg is an accomplished leader in pediatric nephrology who is advancing research in her field. Her clinical and epidemiological research focuses on bone and mineral metabolism in childhood kidney diseases, including chronic kidney disease (CKD), glomerular disease, and urinary stone disease. She identified the critical role for vitamin D homeostasis in glomerular disorders and chronic kidney disease. She has also developed methodological tools for measuring vitamin D binding proteins. She was named Associate Director of the Pediatric Center of Excellence in Nephrology at CHOP in 2017. The CHOP-PCEN involves regional and national collaborations with clinical and translational researchers at CHOP, Johns Hopkins, and other pediatric hospitals participating in PEDSnet, a consortium of eight academic pediatric health centers providing care for more than 4.5 million children. She has a history of research funding and impactful scholarship.

**Benoit Desjardins, MD, PhD***Professor of Radiology—Clinician-Educator*

Dr. Desjardins is a non-invasive cardiovascular radiologist who has achieved national and international prominence in the field of cardiovascular imaging. His highly collaborative, innovative research focuses on the application of computed tomography (CT) and magnetic resonance imaging (MRI) to cardiovascular disease, with a particular emphasis on imaging for electrophysiology applications and mathematical modeling of aortic compliance. More recently, he has focused on artificial intelligence and cybersecurity in imaging. He has contributed scholarship in this area and has become a sought after speaker. He has served as Director of the Cardiovascular Translational Imaging in the Center for Biomedical Imaging since 2010 and as Director of Network Practice Optimization since 2019. He is a Fellow of the American Heart Association and the American College of Radiology. He has been a member of the Artificial Intelligence Committee of the Canadian Association of Radiologists since 2019.

**Long Ding, PhD***Research Associate Professor of Neuroscience*

Dr. Ding is a nationally and internationally prominent systems neuroscientist who is making impactful contributions to the field of decision-making neuroscience. She uses her expertise in the fields of perceptual decision-making, basal ganglia (BG) circuits, and computational models of visual perception to focus on how the brain implements the neural computations that are needed to combine uncertain visual and reward context information, particularly in the BG loop. Her research has important implications in understanding cognitive impairment in basal ganglia disorders such as disruptions of motivated decision-making that are associated with Parkinson's disease. She has an excellent record of funding for her research. She has presented her research at numerous national and international meetings, including Bernstein conferences, Gordon Research conferences, and CoSyne.

**Sharon J. Diskin, PhD**

*Associate Professor of Pediatrics*

Dr. Diskin is a leading computational biologist who has made seminal contributions to the genomics and genetics of neuroblastoma. Her multidisciplinary research integrates computational analyses of large-scale data such as next generation DNA/RNA sequencing, single nucleotide polymorphism (SNP) genotyping, epigenetic profiling, 3D chromatin looping, and mass spectrometry with rigorous experimental validation. The goal of her research is to understand the genetic basis of pediatric malignancies and to identify optimal targets for new therapies. Her peer-reviewed publications are in high impact journals including *New England Journal of Medicine*, *Nature Genetics*, and *Nature* and a landmark publication in *Cancer Cell* in 2015. She is an editorial board member of *Journal of Cancer and Clinical Research*.

**Derek J. Donegan, MD, MBA**

*Associate Professor of Orthopaedic Surgery—Clinician-Educator*

Dr. Donegan is an accomplished, highly productive orthopaedic surgeon who is an expert in orthopaedic trauma as well as complex hip and knee reconstruction, particularly periprosthetic fractures. His multicenter studies in orthopaedic trauma have had a major influence on the practice of orthopaedic trauma. He is Co-Director of the Penn ortho trauma & fracture reconstruction service at Pennsylvania Hospital and Co-Director of orthopaedic trauma education. He is a co-author on the AO Surgery Reference Guide for Periprosthetic Fractures, a leading international site for surgical techniques and management of complex problems. He received the Jesse T. Nicholson Teaching Award in 2017. He received the Howard Rosen Table Instructor Award from AO North America to recognize his ability to interact and teach in a Continuing Medical Education program.

**Nadia Lauren Dowshen, MD**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Dowshen is an expert in the field of adolescent health. Her research focuses on adolescent HIV infection and on the care of transgender/diverse youth, particularly the barriers to medical and mental health for young transgender women at risk for HIV infection and the use of mHealth tools for intervention. She is the Director of Adolescent HIV Services and Medical Director of the Adolescent HIV Clinic at CHOP. In 2014, she co-founded and was named Medical Director of the Gender and Sexuality Development Clinic at CHOP, a multidisciplinary clinic offering psychosocial and medical support for gender-variant, gender expansive and transgender children and youth up to age 21 and their families. In 2019, she received the Leonard Tow Humanism in Medicine Award and the Arnold P. Gold Humanism in Medicine Society award.

**John Duda, MD**

*Professor of Neurology—Clinician-Educator*

Dr. Duda is a highly accomplished academic neurologist with particular expertise in Parkinson's disease and related disorders. His research focuses on the pathophysiology of neurodegenerative disease by examining large cohorts of well-phenotype subjects for neuropathological hallmarks of Parkinson's disease, in particular Lewy pathology. He is Director of the Parkinson's Disease Research, Education and Clinical Center of the Michael J. Crescenz VA Medical Center, Co-Director of the Center for Neurotrauma, Neurodegeneration and Restoration at the VA, and in 2018, he became Co-Director of the Lewy Body Dementia Association Research Center of Excellence at the University of Pennsylvania. He has served as Co-Director of the monthly CME accredited Movement Disorder Neurology Case Conference at Penn that includes participants from up to six regional teaching facilities. He lectures nationally and internationally.

**Scott E. Edwards, MD**

*Professor of Clinical Obstetrics and Gynecology*

Dr. Edwards is an outstanding reproductive surgeon who focuses on minimally invasive and robotic surgery. He was recruited to establish a state-of-the-art program in clinical reproductive endocrinology and infertility at PAH. Today, Penn Fertility Care PMWS is one of the busiest practices and he has distinguished himself as the leading and busiest reproductive surgeon in the region. He has twice served as President of the Philadelphia Area Reproductive Endocrinology Society. He is known for his compassionate bedside manner. He is an exceptional teacher and mentor of medical students and residents who is known for his fund of knowledge and clear judgment. In 2019, he received the Professional Role Model award, an award established by the PAH Ob/Gyn residency program to acknowledge an individual who exemplifies professionalism.

**Ricardo Eiraldi, PhD**

*Professor of Clinical Psychology in Pediatrics—Clinician-Educator*

Dr. Eiraldi has achieved national prominence in mental health services disparity, with particular emphasis on attention deficit hyperactivity disorder (ADHD). His community-based research focuses on developing, implementing and evaluating empirically-supported interventions for addressing functional impairments for children with ADHD, especially low-income ethnically diverse children. He has contributed peer-reviewed publications in leading journals in his field including *School Psychology Review*, *Pediatrics* and *Journal of Clinical Child and Adolescent Psychiatry*. He is a member of the special emphasis panel study group of the Career Development and Fellowship in Mental Services Research and a standing member of the NIH Science of Implementation in Health and/healthcare Study Section. He is a highly regarded educator and mentor of graduate students, postdoctoral fellows, behavioral health specialists, school teachers and families in the clinical, community, didactic and research settings.

**Lisa M. Elden, MSc, MD**

*Promotion to Professor of Clinical Otorhinolaryngology: Head and Neck Surgery*

Dr. Elden is national and international leader in the field of pediatric sleep medicine. She has superb clinical skills and maintains a busy, diverse clinical practice, working closely with others in pediatric sleep medicine and anesthesiology at local, national and international levels. She provides highest quality, thoughtful care. An expert in guidelines and pathway development, she focuses on the treatment and management of obstructive sleep apnea in pediatric patients. She has served as the Surgical Director for Pediatric Sleep Disorders since 2010. She works with the pulmonary and sleep medicine physicians to formulate and maintain hospital guidelines to triage and treat the 3,000 patients per year who require adenotonsillectomy at CHOP. She is highly engaged in resident and fellow teaching and is praised for her interactive, non-confrontational style.

**Sarah Helen Evans, MD**

*Professor of Clinical Pediatrics*

Dr. Evans is a leading expert in the treatment of functional impairment and disability in children, in developing and running clinical and academic programs, and in rehabilitation robotics. Among her innovations in robotics is the development of several robot-assisted video games and devices used in therapeutic exercises and simulation therapies for trunk control, wheelchair manipulation and at home therapeutics (PedBOT). She is the Chief of the division of pediatric rehabilitation at CHOP. She leads the management of an 18-bed inpatient rehabilitation unit, an acute inpatient consultative service, ad Day Rehabilitation Hospital, and a growing outpatient clinical service at CHOP and several satellite specialty centers. She is an exemplary educator who provides a valuable learning experience.

## **Olajumoke Fadugba, MD**

### *Associate Professor of Clinical Medicine (Pulmonary, Allergy & Critical Care)*

Dr. Fadugba is a clinician known at the local and national levels for her expertise in drug allergy, anaphylaxis and mast cell disorders. She is considered the go-to expert in patients with suspected drug allergies and her expertise has direct impact on major health system priorities such as evaluation of drug allergies in cancer patients and other patients likely to require antibiotic therapy. Her role as the quality improvement and patient safety lead for the A&I section and fellowship program have led to changes within the clinic and hospital. These include creating or revising the inpatient drug challenge protocol, the inpatient drug desensitization protocol and the inpatient anaphylaxis protocol. Dr. Fadugba teaches medical students, residents and fellows in both the inpatient and outpatient setting and provides lectures to medical students, fellows and pre-professional students on various topics related to allergy and immunology. Her areas of concentration are in education and system/quality improvement. She serves the American Academy of Allergy, Asthma and Immunology (AAAAI) on both the national Allergic Skin Diseases and Anaphylaxis Committees.

## **Marni J. Falk, MD**

### *Professor of Pediatrics—Clinician-Educator*

Dr. Falk has achieved international prominence in the fields of human genetics and primary mitochondrial disease. Her research focuses on understanding the genetic and metabolic basis of mitochondrial disease to improve diagnosis and treatment. She has been instrumental in establishing an effective international consortium collecting clinical and genomic data on patients with rare mitochondrial disorders to identify new disease genes. Recent investigations have focused on the bioenergetics underlying preterm birth in collaboration with colleagues from obstetrics and gynecology. In 2017, she was named Executive Director of the Mitochondrial Medicine Center and Frontier Program at CHOP. In 2019, she became the Program Director and Research Director of the Mitochondrial Medicine Clinical Fellowship at CHOP.

## **Yi Fan, MD, PhD**

### *Associate Professor of Radiation Oncology*

Dr. Fan is a leading scholar in basic and translational research in cancer biology. The mission of his research is to develop new anti-cancer therapies by targeting the tissue microenvironment, a major therapeutic barrier for current cancer immunotherapy approaches. His innovative, impactful and clinically significant research focuses on several critical therapeutic problems in brain tumors, including tumor resistance to radio/chemotherapy and immunotherapy. He has a successful record of grant funding. He is a member of the editorial board of *Annals of Cancer Research* and a scientific editor of *Scientific Reports* and *PLOS One*. His novel research has been recognized with the Judah Folkman Award from the American Association for Cancer Research and the Springer Award from the North American Vascular Biology Organization.

**Yong Fan, PhD**

*Associate Professor of Radiology*

Dr. Fan's contributions to research are having a profound Impact on the field of medical image analysis. He focuses on methodology development and applications of machine learning techniques that quantify morphology and function from medical images, integrate multimodal information to aid diagnosis and prediction of clinical outcomes, and guide personalized treatment. His clinical research studies include brain development, brain diseases such as Alzheimer's, schizophrenia, depression, and addiction, and predictive modeling of treatment outcomes of cancer patients. He has secured funding from federal, state and private foundations. He reviews grant proposals for a number of professional and scientific societies including the Alzheimer's Association, the National Science Foundation, the Israel Science Foundation, and the Austrian Academy of Sciences.

**John T. Farrar, MD, PhD**

*Professor of Epidemiology in Biostatistics/Epidemiology/Informatics—Clinician-Educator*

Dr. Farrar is an international expert in the field of pain interventions and measurement. His influential independent and collaborative research focuses on the development of appropriate outcome measures for pain trials and defining the clinical importance of those measures in pain management. He has been involved in numerous studies including randomized trials, cohort studies, and methodologic studies of pain and associated symptoms such as fatigue, depression, and quality of life in clinical research and practice. He is the Co-Director of the Biostatistics and Epidemiology Consulting Center and the Master of Science in Clinical Epidemiology program. He publishes his findings in leading journals in his field. He develops, directs, and teaches courses in graduate and undergraduate epidemiology as well as advanced courses in measurement outcome methodology and clinical trials.

**Jared W. Feinman, MD**

*Associate Professor of Clinical Anesthesiology and Critical Care*

Dr. Feinman is an outstanding cardiac anesthesiologist. He provides anesthesia and performs intraoperative transesophageal echocardiography for cardiac surgical patients. He manages a highly complex patient cohort undergoing advanced cardiac surgical procedures including aortic valve repair, hybrid aortic arch replacement, and transcatheter aortic and mitral valve replacement. He was the anesthesia representative for a clinical trial involving the first transcatheter mitral valve for mitral valve regurgitation and provides anesthesia for many of these cases. He participated in the anesthesia aspects of program design for expansion of the Lung Transplant Program, as well as assisted with two trials run by the Cardiothoracic Surgical Trials Network, utilizing his expertise in echocardiography. He is currently the Program Director for the ACGME-accredited Adult Cardiothoracic Anesthesiology Fellowship and serves on the Education Committee of the core Anesthesiology Residency and the Anesthesia Fellowship Clinical Comp. In 2016, he was awarded the Teacher of the Year Award by the Anesthesiology residents.

**Alexander G. Fiks, MD, MSCE**

*Professor of Pediatrics—Clinician-Educator*

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. He is also interested in how electronic health record data may best be used to improve primary care, medication use, and child health more broadly. He has a number of leadership positions at CHOP, including Medical Director of The Pediatric Research Consortium (PeRC), Director of the Possibilities Project (Primary Care Innovation), and Director of the Center for Pediatric Clinical Effectiveness. In 2019, he was elected to the American Society for Clinical Investigation. He is the Director of Pediatric Research in Office Settings (PROS), the practice-based research network sponsored by the American Academy of Pediatrics.

**John P. Fischer, MD, MPH**

*Associate Professor of Surgery—Clinician-Educator*

Dr. Fischer is a highly productive academic surgeon who has made significant contributions to the field of plastic surgery and abdominal wall reconstruction. His innovative clinical research in the area of complex abdominal incisional hernias has influenced optimal reconstructive treatment, cost management and predictive application, prevention, and testing for improved hernia treatment. Part of his research program has transitioned to a startup, Paradigm Surgical LLC, which focuses on the development of surgical devices and operative tools for mesh replacement. In 2019, he was named Director of the Herndon Lehr Research Program and Director of the Life after Weight Loss Program. In 2016, he received the Thomas B. and Jeannette E. Laws Research Award. In 2017, he received a Young Investigator Award from the Association for Academic Surgery.

**John Flibotte, MD**

*Associate Professor of Clinical Pediatrics*

Dr. Flibotte excels as a neonatal intensive care clinician. He has played a major role in developing the Neonatal Neurocritical Care Program for which he is the Medical Director. He has led several quality improvement and research efforts. He makes outstanding contributions to the educational mission and has emerged as a particularly committee and valued mentor. In 2020, he was named Associate Program Director for the Neonatal-Perinatal Fellowship Training Program at CHOP. He has received a number of teaching awards including the Istvan Seri Faculty Teaching Award in 2015 and the Schmidt-Kirpalani Mentoring award for his contributions to the career development of junior faculty and fellows in 2019. He was elected to the Early Career Faculty Honor Roll for five consecutive years (2016-20).

**Rhondalyn C. Forde-McLean, M.D, M.H.S**

*Associate Professor of Clinical Medicine*

Dr. McLean is a nationally recognized cardiologist that provides longitudinal medical management of complex heart failure patients and heart transplant recipients. As the Medical Director for Heart Transplant, she is responsible for the development, revision and implementation of clinical pathways and implementation of the strategic plan of the heart transplant program. Dr. McLean also serves as the internal and external spokesperson for the program. She oversees the associated nursing and Advanced Practice Provider teams and chairs the Heart Transplant Executive Committee. She is praised for leading a comprehensive, multidisciplinary transformation of the mission, structures, processes and staffing of the entire program. Dr. McLean actively teaches in UME and GME FLA, lectures and teaches on rounds. She has lectured nationally on heart failure and heart transplantation, and provides research mentorship to Cardiology fellows. Dr. McLean is a highly visible researcher, including lead author on a landmark study of the safety and efficacy of HCV+ donors in HCV- recipients, pioneered at Penn and now implemented widely, vastly increasing the number of potential heart donors.

**Sean D. Foster**

*Associate Professor of Clinical Emergency Medicine*

Is an outstanding ED physician and role model. Participating in direct patient care, and supervising the care provided by students and residents focusing on Clinical Operations and Quality Improvement. He supports the PPMC trauma center by assessing transport arrivals, providing airway evaluation and management of trauma patients, and monitoring trauma command lines in the department. Dr. Foster has had various leadership roles during his career and is currently is the Medical Director of the Penn Presbyterian Medical Center Emergency Department. Dr. Foster has championed clinical operations initiatives including patient progression and patient experience, and quality improvement projects including treatment of opioid use disorders in the ED and racial disparities in ED throughput. He has had significant accomplishments in sepsis management, chairing a committee to address the CMS SEP-1 core measure that included PPMC, HUP, PMC, PAH, and CCH. His leadership in the health system has led to system-wide improvements in compliance with the publicly reported measure, with several sites performing in the top tier nationally. In 2019 he received the Quality and Patient Safety Award – Center for Opioid Recovery & Engagement and the Faculty Mentor of the Year, University of Pennsylvania Emergency Medical Residency Award.

**Stephanie M. Fuller, MD**

*Professor of Clinical Surgery*

Is an outstanding clinician surgeon. She specializes in the treatment of adults and children with congenital heart disease, including the study of long-term outcomes for the surgical treatment of that condition. She performs in heart surgery for congenital heart disease at CHOP along with other members of the Division of Cardiothoracic Surgery. She is also the lead cardiac surgeon in tracheal reconstruction and complex airway procedures. In addition, she has been a guiding force in the development and growth of the Philadelphia Adult Congenital Heart Center (PACHC), which encompasses patient care at both Hospital of the University of Pennsylvania (HUP) and CHOP. The PACHC effectively creates a liaison between the two programs and maintains consistent patient care across the age continuum at both CHOP and HUP. As Surgical Director of the PACHC, she has worked to incorporate innovations into her delivery of patient care. She has been instrumental in development of an ambulatory ECMO program and transition from ECMO to lung transplant at CHOP. She has also been an advocate and champion of early extubation post cardiac surgery at Penn. In addition, Dr. Fuller is involved in quality improvement initiatives, serving as a representative for Cardiothoracic Surgery to the safety group for the Cardiac Intensive Care Unit at CHOP. She and her colleagues now recruit patients from outside the Philadelphia region for both programs. In 2018, she was the recipient of the Thomas L. Spray Endowed Chair in Pediatric Cardiac Surgery, CHOP.

**Francis K. Furia, MD**

*Associate Professor of Clinical Emergency Medicine*

Dr. Furia is an excellent teacher and physician. She provides direct clinical care to patients that present to the Emergency Department at PPMC's trauma center and assesses trauma transport arrivals, providing airway evaluation and management of trauma alert patients and monitoring trauma command lines in the department. She plays an integral role in the educational process of graduate level nurse practitioners and was the site coordinator for Acute Care Nurse Practitioner Students at Penn Presbyterian Medical Center from 2014-2017. She focuses on medical student education in Emergency Medicine. She has been the long-time site coordinator for the EM 200 medical student rotation and was responsible for orientation, scheduling, bedside instruction, written evaluations, and real-time mid-rotation feedback to enhance student learning. As the PPMC Emergency Department evolved to a Level 1 Trauma Center, Dr. Furia ensured that student education was not compromised by adapting the schedule to maximize patient encounters and interactions with physicians.

**Payal Kadia Gala, MD**

*Associate Professor of Clinical Pediatrics*

Dr. Gala is an exemplary clinician and highly regarded teacher who has made an impact on quality improvement activities, especially related to the care of very young infants with fever who present to the emergency department. Community pediatric emergency medicine is a growing discipline and she is one of the few experts within the CHOP system with a distinct expertise and area of concentration in this area. In 2019, she was appointed Director of Education at Virtua for the division of emergency medicine. In this role, she shares a wide ranging fund of knowledge through curricular development, educational leadership, clinical care and teaching across a variety of domains. In addition to fellows, she includes teaching advanced practice practitioners. She is particularly effective in teaching at the bedside.

**James C. Gee, PhD**

*Professor of Radiologic Science in Radiology*

Dr. Gee is a world leader in the field of biomedical image analysis and computing. He and his research group, the Penn Image Computing and Science Laboratory, have established interdisciplinary collaborations to study a variety of quantitative methods, including segmentation, registration, morphometry and shape statistics, as applied to a variety of organ systems and all of the major and emerging modalities in biological/biomaterials imaging and in vivo medical imaging. He is known particularly for his seminal work in developing algorithms for image processing and analysis that have been transformative in their application to creating digital brain atlases. He has an impressive record of funding and scholarship. He has trained and mentored a number of undergraduate and graduate students and postdoctoral fellows in PSOM and in Bioengineering, Computer and Information Science, and the Mathematics departments.

**Saar I. Gill, MD, PhD**

*Associate Professor of Medicine—Clinician-Educator*

Dr. Gill is a translational physician-scientist who is one of the world leaders in the field of hematopoietic malignancies. The overarching goals of his research are to produce effective and safe CAR T cells for the treatment of such hematologic malignancies as leukemia and lymphoma. He has made significant contributions to the development of CAR T cells for myeloid malignancies as well as the development of new technologies to improve the use of immunotherapies for blood cancers. He directs one of the only three active CAR T cell trials for acute myeloid leukemia (AML) in the United States, making Penn a nationwide referral center for AML patients seeking CAR T cell therapy. He has served as the Scientific Co-Director of the University of Pennsylvania Cell Therapy and Transplant group since 2019. He publishes his research in high impact journals, including a landmark paper in *Cell* on inactivation of CD33 in a stem cell to enable CAR T cell therapy in AML after transplant. In 2019, he was elected to the American Society of Clinical Investigation.

**Pedro Gonzalez-Alegre, M.D, PhD**

*Professor of Neurology—Clinician-Educator*

Dr. Gonzalez-Alegre is an innovative investigator in the field of movement disorders. His research focuses on the biological basis of neurological diseases and the development of novel therapies for these diseases, particularly dystonia, a neurologic condition characterized by involuntary, sustained muscle contractions. He is the Director of Clinical Programs of the Raymond G. Perelman Center for Molecular & Cellular Therapy at CHOP, Director of the Huntington's Disease Center of Excellence, and Director of the Translational Center of Excellence, Gene & Molecular Therapy in Neurology. He has a successful record of grant funding and scholarship in prestigious journals, including *Neuroscience*, the *Journal of Neurology* and *Movement Disorders*. He is an excellent educator and mentor of medical students, graduate students and residents. He has been a Fellow in the American Neurological Association since 2010.



**Eric N. Goren, MD***Professor of Clinical Medicine*

Dr. Goren is an outstanding clinician and educator. He aims to maintain the opportunity for Penn medical residents to learn how to provide high-quality medical care to patients from vulnerable populations through rotations at the Philadelphia Department of Health Clinics 3 and 4 and is the sole faculty preceptor. He also produces innovative teaching programs that focus on self-learning and struggling learners. The two components are connected by Dr. Goren's own teaching skills and his commitment to helping others improve how they learn. He has received several teaching awards over the years including the Penn Pearl's Teaching Award three times, Medical Student Government Clinical Teaching Award and University-wide Provost's Award for Teaching Excellence by Non-Standing Faculty. He is an extraordinarily effective role model for teaching primary care outpatient medicine.

**Thomasine Gorry, MD, MGA***Professor of Clinical Ophthalmology*

Dr. Gorry is an outstanding ophthalmologist, surgeon, educator, administrator, and role model. She is a nationally recognized leader in quality and safety in healthcare. In her current role as the Vice Chair for Quality and Safety in the department of ophthalmology and as the immediate past Chair of the CPUP Quality Domain, she applies her experience to change the culture of professional ongoing medical education. She was recently appointed as Associate Dean of Continuing Medical Education. Within all of these roles, she advances quality both in medical practice and quality in professional medical education. She has an exceptional ability to provide education that is relatable to various learner stages.

**Robert Gross, MD, MSCE***Professor of Medicine*

Dr. Gross is a highly accomplished infectious disease pharmacoepidemiologist with a particular interest in treatment outcomes of chronic viral infections, including HIV and viral hepatitis. He is Co-Director of the Penn Center for AIDS Research (CFAR) and Director of the International Core of CFAR. His studies have involved short- and long-term adherence behavior with the goal of development of interventions aimed at improving treatment outcomes. He expanded his research into Botswana, particularly in the area of pharmacogenomics. More recently, he developed a research program investigating alterations in nicotine metabolism associated with HIV and its treatment and new ways to improve smoking cessation. He is a fellow of the American College of Physicians. He is an inspiring and committed educator and mentor of medical students, graduate students, residents and fellows in the clinical and classroom settings. He lectures nationally and internationally.

**Thomas J. Guzzo, MD, MPH***Founders Professor of Urology—Clinician-Educator*

Dr. Guzzo has made significant contributions to the field of urologic-oncologic surgery. He has been chief of the division of urology since 2017. He has established a multidisciplinary tumor board and a multidisciplinary clinic for improved patient care and integration among urologic oncology care providers. In recent years, his projects have included a novel study of the feasibility and utility of real-time intraoperative molecular imaging patients with renal cell carcinoma as well as one using the National Cancer Data Base to demonstrate the safety of early discharge in patients undergoing radical cystectomy. In 2016, he was selected to be a member of The Academy of Master Clinicians. In 2017, he received the American Urologic Association Young Urologist of the Year Award. In 2017, he received the Paul Rodin Leberman Teaching Award from the urology residents. In 2018, he received The Alan J. Wein Resident Mentorship Award.

**Naomi S. B. Haas, MD***Professor of Medicine—Clinician-Educator*

Dr. Haas is a distinguished leader in the field of genitourinary medical oncology, particularly the management of genitourinary cancers and melanoma. She is an outstanding clinical investigator who has participated in and led investigator-initiated, cooperative group and industry studies in renal cell carcinoma, prostate cancer, and melanoma. She has served as Director of the Prostate and Kidney Cancer Program since 2012. Her robust research program is funded by federal and foundation sources. She has contributed peer-reviewed journals in leading specialty journals including *Journal of Clinical Oncology*, *Clinical Cancer Research*, and *Cancer*. She is a member of a number of international and national scientific societies and review panels including the American Association for Advancement of Science and the American Society of Clinical Oncology.

**Heidi S. Harvie, MBA, MD, MSCE***Associate Professor of Obstetrics and Gynecology—Clinician-Educator*

Dr. Harvie is a leading authority in cost-effectiveness analysis in the urogynecology field. Her research focuses on pelvic floor disorders and cost-effectiveness, including conducting cost-effectiveness analysis within randomized controlled trials. She is the principal investigator and member of the Steering Committee for the National Institute of Child Health and Human Development (NICHD) - sponsored Pelvic Floor Disorders Network (PFDN), a national network of seven research sites. She is the cost-effectiveness expert on the Research Committee of the Society of Gynecologic Surgeons, a national organization to which she was elected based on her expertise. In 2020, she received the Chief Resident Excellence in Teaching Award. She is a member of the Senior Advisory Board and the Education Committee of the American Urogynecologic Society and the Advisory Board and the Research Committee of the Society of Gynecologic Surgeons.

**Jorge Henao-Mejia, MD, PhD***Associate Professor of Pathology and Laboratory Medicine*

Dr. Henao-Mejia is an outstanding innovative, independent investigator who is making groundbreaking contributions to the field of immunology. He studies chronic inflammation and the role of long non-coding RNAs in the immune system. He recently discovered a number of microRNAs that control adipose tissue inflammation. In 2016, he was named Scientific Director of the CRISPR/Cas9 Mouse Targeting Core. This facility serves to streamline procedures that facilitate investigators' use of the CRISPR/Cas9 genome editing technology for the rapid and economic generation of novel mouse genetic tools. His scholarship is in high impact journals including *Nature Immunity*, *PNAS*, and *Science Translational Medicine*. In 2019, he received the Michael S. Brown New Investigator Research Award, a Penn Medicine Award of Excellence. He is an active contributor to graduate groups and a major contributor to the scientific and academic community at the University of Pennsylvania.

**Scott Hensley, PhD***Professor of Microbiology*

Dr. Hensley is an outstanding viral immunologist who is advancing the field of antiviral immunity. His research focuses on pathogen-host interactions with a particular emphasis on how viruses evade antibody responses and identifying factors that influence influenza vaccine responsiveness. In response to the COVID-19 pandemic, he has been completing serological assays to identify individuals infected with SARS-CoV-2. He is also working on measuring the durability and functionality of antibody responses elicited by SARS-CoV-2 in different individuals. He has made significant scholarly contributions. He is a member of the editorial board of the *Journal of Virology*. He is active in the Cell and Molecular Graduate Group and the Immunology Graduate Group. He has been invited to speak in the United States, Europe, and Asia.

**John D. Herrington, PhD**

*Associate Professor of Psychiatry—Clinician-Educator*

Dr. Herrington is an expert in the social neuroscience of autism. His research focuses on social and emotional information processes among children with autism spectrum disorder (ASD), with a particular emphasis on the co-occurrence of anxiety disorders in ASD. He examines the problems of anxiety in ASD across multiple levels of analysis, from neurobiological systems to diagnostic assessment. He was a member of an international group who set the guidelines for diagnosing and treating anxiety in individuals with autism. In 2020, he was named Co-Director of the Data and Statistical Core for the Center for Autism Research at CHOP. He is an associate editor of *Frontiers in Psychology* and a reviewer for numerous other journals. He excels as teacher and mentor of postdoctoral fellows and graduate and undergraduate students. He has presented his research nationally and in the UK.

**Gregory G. Heuer, MD, PhD**

*Associate Professor of Neurosurgery—Clinician-Educator*

Dr. Heuer is a highly productive pediatric neurosurgeon who is known nationally and internationally for his innovative contributions as a clinician and researcher. He specializes in pediatric brain and spine surgery, congenital spine disorders, hydrocephalus and complex spinal deformity. He works closely with a team of neurologists in the Pediatric Regional Epilepsy Program to treat children with seizure disorders. He collaborates with the Center for Fetal Diagnosis and Treatment to improve outcomes of children suffering from conditions discovered before birth such as hydrocephalus, lipomyelomeningoceles, meningoceles, and myelomeningoceles. Recently, he led a multidisciplinary team in the separation of craniopagus twins. His research focuses on the implementation of implantable devices and novel molecular based treatment strategies to restore function to the brain and spine in children.

**Blanca E. Himes, PhD**

*Associate Professor of Informatics in Biostatistics, Epidemiology, and Bioinformatics*

Dr. Himes is an accomplished independent and collaborative investigator who uses informatics techniques to advance the understanding of complex respiratory diseases, particularly asthma, and focuses on gene variants and pharmacogenomics implications, electronic health record-based phenotypes, and environmental factors. She has been successful in obtaining funding for her research. She has served on NIH study sections. She is a member of the Biomedical Computing and Health Informatics Study Section. She excels as a teacher and mentor. She provides facilitated learning activity for medical and graduate students and postdoctoral fellows and provides supervised scholarship and longitudinal mentoring to trainees. She is a frequently invited lecturer and has had numerous organizing roles in scientific and professional meetings.

**David A. Horowitz, MD**

*Professor of Clinical Medicine*

Dr. Horowitz is an accomplished medical administrator who continues to advance the department and the Health System's clinical mission through innovative management, developing and implementing operational systems that strive to deliver the best medical care. He has served as the Associate Chief Medical Officer for UPHS since 2010. He is a member of numerous committees that focus on operational issues in the department, PSOM, and the Health System. He is a source of information and advice for other hospitals and health care systems. He is an excellent clinician and an enthusiastic teacher. He lectures locally, nationally and internationally on the topics of Population Health Management as well as Health Systems Organization, Safety, and Quality.

**Hao Huang, PhD**

*Research Professor of Radiology*

Dr. Huang is a prominent investigator in the field of magnetic resonance imaging whose research focuses on structural and microstructural magnetic resonance imaging of brain development. He develops and applies magnetic resonance neuroimaging and analysis techniques to delineate human brain structural, functional and connective development and to identify clinical biomarkers. He has contributed peer-reviewed publications in high profile journals including *Nature*, *Cerebral Cortex* and *Neuroimage*. He serves on an NIH study section. In 2019, he received a Distinguished Investigator Award from The Academy for Radiology & Biomedical Imaging Research. He is a member of the International Society of Magnetic Resonance in Medicine and the Society for Neuroscience.

**Rebecca A. Hubbard, PhD**

*Professor of Biostatistics in biostatistics, Epidemiology, and Informatics--Clinician-Educator*

Dr. Hubbard is a nationally prominent independent and collaborative researcher. Her research, which is at the interface of biostatistics, informatics, and biomedical research, focuses on the development and application of methods to improve analyses using real world data sources including the electronic health records (EHR) and claims data. She develops novel analytic methods to transform the wealth of data created as a byproduct of digital interactions into valid and generalizable knowledge. She has contributed numerous papers in high impact journals. In 2019, she was elected fellow of the American Statistical Association, an honor given to no more than one-third of one percent of the membership of the ASA annually. That same year, she received the Samuel L. Martin Health Evaluation Sciences Award. In 2019, she received the Excellence in Teaching Award for her contributions in the Master of Science in Health Policy Research Program.

**Soma Iyonuchi, MD**

*Associate Professor of Clinical Pediatrics*

Dr. Iyonuchi is a highly accomplished, highly productive leader in clinical allergy and immunology. He is Assistant Clinical Director of the Immunology Laboratory in the division of allergy and immunology at CHOP. A particular area of expertise is diagnosis and management of primary immune deficiencies. He interprets approximately 1000 tests per year. He has worked to reduce the interpretation turnaround time for tests by more than 50%. He recently created “inhouse” allergy testing panels for food and environmental allergens that have significantly reduced testing result turnaround time and improved patient care. He has a large referral base with regional recognition. He created a valuable website to facilitate the identification of rare primary immune deficiencies. He is also an excellent teacher who provides a valuable link between allergy and immunology since practices both fields

**Ian N. Jacobs, MD**

*Professor of Otorhinolaryngology: Head and Neck Surgery—Clinician-Educator*

Dr. Jacobs is an accomplished pediatric otolaryngologist who is widely known for his contributions to the research on laryngotracheal reconstruction and airway management. He has been Medical Director of the Center for Pediatric Airway Disorders at CHOP since 2004. This Frontier program is one of the few centers in the country with a multidisciplinary team specializing in tracheal reconstruction, recurrent laryngeal nerve reinnervation, and a variety of other specialized airway procedures. His research focuses on the biochemical, microbiological, and genetic cause of scarring or stenosis of the laryngotracheal airway, and the development of tissue-engineered cartilage and other novel biomaterials for laryngotracheal reconstruction. He is also recognized for his research on the mitigation of button battery injuries in infants and children. More than 2,800 children are treated in emergency rooms each year after ingesting button batteries or coin lithium batteries. He has received numerous awards from the American Broncho-Esophagological Association (ABEA).

**Douglas S. Jacoby, MD**

*Professor of Clinical Medicine*

Dr. Jacoby is an excellent clinician. His reputation as a preventive cardiologist spans the East Coast with referrals from Maine to Florida. As Director for Clinical Informatics for Cardiovascular Medicine, has developed numerous quality-of care delivery projects including Best Practice Alerts and educational programs which have improved guideline adherence. Dr. Jacoby is the Chief of Cardiology at Pennsylvania Hospital and the Louis R. Dinon, MD Teaching Chair of Clinical Cardiology. Since 2016 he has served as Medical Director of the Penn Medicine Center for Preventive Cardiology and Lipid Management and the Director of Clinical Informatics for Cardiovascular Medicine. He has served on multiple institutional and system wide committees and led multiple multi – and interdisciplinary clinical and quality improvement efforts. He has served on the Cardiology Access and Operations Committee and the Heart and Vascular Services Line Quality Committee and Network and Market Strategy Committee. He has been named a “Top Doctor” in his field by local, regional, and national publications. He was named a Fellow of American Society of Preventive Cardiology in 2021.

**Doraid Jarrar, MD**

*Associate Professor of Clinical Surgery*

Dr. Jarrar is a talented and experienced thoracic surgeon with specific skills in open and minimally invasive thoracic surgery. He also specializes in video-assisted thoracoscopy, robotic-assisted surgery and endoscopy, including advanced techniques such as endobronchial ultrasound and stent placement. He is widely known not only for his superior technical skills, but for his dedication to the quality of care and improving patient care. His patient satisfaction scores are exemplary. He is active in the Eastern Cardiothoracic Surgical Society, currently serving as Treasurer. He is also an excellent and engaged educator. He has been the Associate Director of the Surgery Clerkship at PPMC since 2019.

**Michelle J. Johnson, PhD**

*Associate Professor of Physical Medicine and Rehabilitation*

Dr. Johnson is an innovative investigator who combines mechanical engineering, computer science, and patient-focused, clinical rehabilitation to advance the development of low-cost rehabilitative treatment for individuals with neurological impairments. She is the Director of the Research Robotics Lab. The mission of the lab is to use rehabilitation robotics and neuroscience to investigate the brain plasticity and motor function after non-traumatic brain injuries. Her global reach has extended beyond the United States to address the needs of underserved populations in Mexico where she implemented TheraDrive, a low-cost rehabilitation system that combines the motivational elements of relearning steering tasks with playing video games to create an upper arm stroke therapy environment that is usable at home or in the clinic. She is one of the few rehabilitation roboticists who has secured NIH R01 funding. In 2019, she received the Dr. Gloria Twine Chisum Award for Distinguished Faculty from the James Brister Society.

**Chadwick R. Johr, MD**

*Associate Professor of Clinical Medicine*

Dr. Johr is an outstanding clinician and teacher. He is the co-Director of the Penn Sjögren’s Syndrome Center and is a regionally-recognized expert in this complex disease. He also leveraged his dual training in medicine and pediatrics to establish and direct the Penn Rheumatology Transition Clinic to facilitate the transfer of care from pediatric rheumatology at CHOP to adult rheumatology at Penn Medicine. His contributions to teaching are equally impressive. In addition to being selected and reappointed as a Measey Faculty Preceptor, he received a Penn Pearls Award for Excellence in Clinical Teaching in 2015 and 2019 and the Gold Humanism Award in 2015. He is the Associate Program Director for the Combined Internal Medicine-Pediatrics Residency Program.

**Sharyn I. Katz, MD, MTR**

*Associate Professor of Radiology—Clinician-Educator*

Dr. Katz is a nationally recognized radiologist in the field of thoracic imaging who has made significant contributions to translational research in mesothelioma molecular imaging and magnetic resonance imaging (MRI). She is the Director of Clinical Research for the division of thoracic radiology and co-leads the Thoracic Oncology Radiomics Working Group designed for efficient and effective research collaboration in the emerging field of radiomics. In recognition of her clinical expertise, she was named as a member of the ASCO expert panel that sets the guidelines for imaging surveillance following curative intent therapy in non-small lung cell cancer. She is an active member of the American Society for Clinical Oncology, the Eastern Cooperative Oncology Group-American College of Radiology Imaging Network, and the International Mesothelioma Interest Group.

**Joshua B. Kayser MD, MPH**

*Professor of Clinical Medicine*

Dr. Kayser is a committed educator and is a key contributor to the clinical and educational missions of the Perelman School of Medicine. He cares for patients with general pulmonary diseases and sees the majority of Corporal Michael J. Crescenz VAMC (CMCVAMC) patients with pulmonary hypertension. Within medical education, he actively teaches at the medical student, resident, fellow and faculty level in the clinical and non-clinical settings. In addition to complex physiology, Dr. Kayser focuses on training in ethics and professionalism. He has developed a regional and national reputation as an expert in relational communication and understanding the moral obligation to provide compassionate patient- and family-centered care. Dr. Kayser has developed an expertise in ICU administration and the delivery of critical care outside the ICU setting. He is the Chief of Medical Critical Care and MICU Director at CMCVAMC is also serving as the Director of Inpatient COVID-19 Operations at the CMCVAMC. He is active in regional and national societies and has served on committees in these organizations. Dr. Kayser is a Fellow American College of Critical Care Medicine and has been the recipient of the Doctor of the Year, Cpl, Michael J. Crescenz VAMC and Award for Novel Medical Education Implementation and Association of Pulmonary and Critical Care Medicine Program Directors (APCCMPD).

**Brendan J. Keating, DPhil**

*Research Associate Professor of Surgery*

Dr. Keating is a collaborative researcher who is recognized for his contributions to the field of complex trait genetics. He is one of the founders and leaders of the International Genetics and Translational Research in Transplantation Network (iGeneTRaIN) involving over 30 sites around the world. The aim of the network is to apply discoveries of the genomic underpinnings of graft rejection to the clinic in order to improve transplantation success. The first stages of the work, which involved the development and testing of high-density genotyping arrays covering over 780,000 variants, were published in *Genomic Medicine and Transplantation*. He also investigates genomic signatures for organ rejection. His scholarship has been published in leading journals such as *The Lancet*, *Journal of Human Genetics*, and *American Journal of Transplantation*.

**Andrea Kelly, MD, MSCE**

*Professor of Pediatrics—Clinician-Educator*

Dr. Kelly is an accomplished pediatric endocrinologist with unique expertise in the metabolic and endocrine complications of cystic fibrosis. She is the Director of Research in the division of endocrinology and diabetes at CHOP as well as the Associate Director of the Center for Human Phenomic Science. Her collaborative, patient-oriented research focuses on hyperinsulinism, insulin secretion defects in cystic fibrosis, vitamin D deficiency and other chronic conditions, and the links between sleep apnea and metabolic syndrome. In 2017, she received the Alan Cohen Master Clinician Award at CHOP. In her role as Director of Research, she participates in the Master of Science in Translational Research program, supervising scholarship and providing longitudinal mentorship. In 2017, she received the Joanne Decker Mentor Award at CHOP. She presents her research nationally.

**Judith R. Kelsen, MD**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Kelsen is an international expert in the field of pediatric gastroenterology and pediatric inflammatory bowel disease, focusing particularly on very early onset IBD (VEO-IBD), interpretation of genetic testing for IBD, and microbiome/immune systems interactions to produce IBD phenotypes. Her cutting-edge translational research and novel insights have advanced the field and changed the management of VEO-IBD. She is also a resource for the adult IBD program for patients who were diagnosed as adolescents. In 2016, she became the Director of the Very Early Onset IBD Center, one of the few centers of its kind in the world. At the center, a multidisciplinary clinical and research team designs a comprehensive care program for each child. In 2018, she was named the Ann and Richard Frankel Endowed Chair in Gastroenterology Research at CHOP. She has received several teaching awards. She is a sought after speaker nationally and internationally.

**Max B. Kelz, MD, PhD**

*Anesthesia Distinguished Professor.*

Dr. Kelz is an outstanding physician-scientist who is having a major impact on his field. His novel and influential research focuses on emergence and arousal from general anesthesia. He has an impressive record of funding. He has contributed peer-reviewed publications in high impact journals including the *Proceedings of the National Academy of Sciences*, *Anesthesiology*, *The Journal of Neuroscience* and *Current Biology*. He is the study section chair of the International Anesthesia Research Society. In 2019, he was elected to the Board of Directors of the Society for Neuroscience in Anesthesia and Critical Care. He is an excellent educator and mentor of undergraduate, graduate and medical students, residents and postdoctoral fellows. He is a founding member of the Society for Anesthesia and Sleep Medicine.

**John H. Keogh, MD**

*Professor of Clinical Anesthesiology and Critical Care*

Dr. Keogh has distinguished himself as an outstanding clinician, teacher, and administrator. He was selected as a member of The Academy of Master Clinicians in 2017. In his role as Anesthesia Clinical Director for the HUP Operating Rooms and Anesthesia Director of the PCAM Operating Rooms, he has been credited with numerous multidisciplinary initiatives that significantly improved safety, quality and efficiency, patient experience, and the working environment for staff. He was recently named Executive Director of Perioperative and Periprocedural Services. He has received accolades from residents and fellows for his teaching and mentoring.

**Meeta Prasad Kerlin, MD, MSCE**

*Associate Professor of Medicine—Clinician-Educator*

Dr. Kerlin is a nationally and internationally recognized authority in critical care health services and implementation science. She focuses on the role of ICU organizational and clinician factors in determining patient outcomes and the science of implementation of organizational and behavioral strategies to optimize delivery of evidence-based care. She has contributed peer-reviewed publications in high impact journals. She received the Robert Austrian Award for Health Evaluation Research in 2013, the Early Career Achievement Award from the Behavioral Science and Health Services Research Assembly of the American Thoracic Society (ATS) in 2019, and the Marjorie A. Bowman New Investigator Research Award in 2020. She received the John Hansen-Flaschen Mentoring Award in 2020. She has had prominent positions in the ATS, the premier international society in pulmonary and critical care medicine.

**Sudha Vani Kilaru Kessler, MD, MSCE**

*Associate Professor of Neurology—Clinician-Educator*

Dr. Kessler has achieved national and international recognition in pediatric epilepsy as a clinician, researcher, and educator. Her research focuses on the epileptic mechanisms of the human brain in children and the effect that Transcranial Magnetic Stimulation (TMS) has on those neural processes. She is one of the few child neurologists with expertise in TMS and she uses it as a diagnostic tool and a therapeutic intervention. She has been a fellow of the American Epilepsy Society since 2016. In 2014, she was named Medical Director of the Neuromodulation Program. Under her leadership, the program has become one of the leading pediatric epilepsy centers in the United States. At CHOP, she holds the Catherine D. Brown Endowed Chair in Pediatric Epilepsy. She has made outstanding contributions to education locally and nationally. She was instrumental in developing EpiFITE, the Epilepsy Fellowship In-service Training Examination taken by the majority of epilepsy fellows in the country.

**Amy Kim, MD**

*Associate Professor of Clinical Psychiatry*

Dr. Kim excels as clinician, teacher, and administrator. She is a dedicated, thoughtful, and compassionate clinician who provides comprehensive, in-depth psychiatric assessments for her patients. She is a knowledgeable and highly effective teacher who creates a welcoming learning environment. She has also distinguished herself as a clinical leader with expertise in clinical operations and improving quality of care. She has been Medical Director of Outpatient Psychiatric Services in the department of Child and Adolescent Psychiatry and Behavioral Sciences (DCAPBS) at CHOP since 2014, Post Pediatric Portal Program Director since 2015, and Division Chief of Clinical Operations for the division of Outpatient Behavioral Health since 2019.

**Chong Tae Kim, MD, PhD**

*Professor of Clinical Pediatrics*

Dr. Kim is an experienced authority in ambulatory physical medicine and rehabilitation. He is known particularly for his expertise in the utilization of botulinum toxin injections for the management of a variety of complications of cerebral palsy in children including sialorrhea and plasticity. Not only is he unique among colleagues at CHOP in the delivery of these services, he is known nationally and internationally for this skill set and is called upon by collaborators across many disciplines to help manage patients. His expertise is also invaluable to the education program of physical medicine and rehabilitation residents and fellows and has resulted in publications with trainees, participation in clinical research, and the upcoming publication of a textbook detailing his technique in standardizing methods of injection of botulinum toxin. He is highly regarded for his incisive and lucid lectures, his ability to render a thorough and clear differential diagnosis, and a meticulous plan of management.



**Patrick K. Kim, MD**

*Professor of Clinical Surgery*

Dr. Kim is a skilled trauma surgeon and an excellent teacher. He is known for his leadership in quality of complex care across disciplines and institutions. His clinical time is spent staffing Trauma Services, the Surgical Critical Care Service, the Emergency Surgery Service at HUP and PPMC and providing outpatient services in the Trauma/Emergency Surgery Outpatient Clinic at Penn Medicine University City and the Perelman Center for Advanced Medicine. Throughout his career, Dr. Kim has held leadership positions within each entity of Penn Medicine with which he has been associated and been an outstanding contributor to not only the conduct of clinical operations, but to the teaching program within his specialty as well. He is currently the Vice Chief at Penn Presbyterian Medical Center, Division of Traumatology, Surgical Critical Care & Emergency Surgery, and the Medical Director, Penn Medicine Office of Medical Affairs Credentials Verification Organization. He is a member of numerous local, regional, and national societies and has served on committees in these organizations. He teaches across institutions including trauma rotations for residents at HUP, PPMC, Lankenau, Easton, and St Luke's Hospitals. In 2019 he was the recipient of the UPHS Quality and Patient Safety Award.

**Yuli Kim, MD**

*Associate Professor of Medicine—Clinician-Educator*

Dr. Kim is a national leader in the rapidly expanding field of adult congenital heart disease (ACHD) medicine. She is an outstanding clinical cardiologist who is an expert in the highly specialized field of the diagnosis and management of adult patients with congenital heart disease, including evaluations for multi-organ transplants. She is the Medical Director of the Philadelphia Adult Congenital Heart Center. She was instrumental in establishing the novel Adult Congenital Heart Surgery Risk Score that was published in *Annals of Thoracic Surgery* and has helped change practice and improve care in this area. Her research focuses on quality and outcomes of ACHD care and testing new therapeutic options for patients with advanced ACHD. She makes significant contributions to teaching and mentoring and is a respected role model. She developed and directs the ACGME accredited ACHD fellowship program. She is a fellow of the American College of Cardiology ACHD Training Directors Committee.

**John M. Kissko III, MD**

*Associate Professor of Clinical Anesthesiology and Critical Care*

Dr. Kissko's is a recognized leader across the health system and regionally. His accomplishments are in education and clinical leadership in anesthesiology with special emphasis on high-risk obstetric anesthesia. Dr. Kissko provides anesthesia for non-cardiac surgical and obstetrical procedures at the Hospital of the University of Pennsylvania and VAMC. He is currently the Director of High-Risk Obstetric Anesthesia Clinic which he established in 2013. His leadership and innovation have led to improved care and patient outcomes. He is the contact person for all high-risk obstetric anesthesia consultations outside of the clinic, which involves direct and constant communication with both the maternal fetal medicine and general obstetric physicians to care for their high-risk patients. He has created and implemented a rotation that allows senior residents to act as OR coordinators and attending anesthesiologists for a day. This new rotation has received overwhelmingly positive reviews and continues to grow with each academic year. He is a member of American Society of Anesthesiologists and Society of Obstetric Anesthesiology and Perinatology.

**Joseph M. Kist, MD**

*Associate Professor of Clinical Dermatology*

Dr. Kist is an exemplary clinician who focuses on general dermatology and is frequently consulted for challenging cases. He has played a major role in the development and success of the dermatology Cherry Hill practice site. His patient satisfaction rates are outstanding. He is known for his caring and empathetic care and his ability to clearly explain difficult dermatological conditions. In 2017, he received a Patient Champion Award. He makes strong contributions to Penn Medicine's educational mission through his lectures to medical students and residents, and in the clinical setting, he is an exemplary teacher, role model and mentor to residents.

**Jan-Michael A. Klapproth, MD**

*Professor of Clinical Medicine*

Dr. Klapproth is an excellent clinician with expertise and passion for clinical care in IBD, teaching and research. His clinical focus is inflammatory bowel disease and is renowned regionally for IBD care and has a wide referral base. He continues to teach in his IBD clinic and in the endoscopy suite and inpatient GI service. His practice is new and established IBD patients, many of whom require 2nd or 3rd opinions. As Gastroenterology Fellowship Director, he was heavily involved in the teaching and mentoring of Gastroenterology Fellows and is responsible for restructuring Penn's GI Fellowship, including implementation of lectures and conferences, formation of an educational committee, and establishment of three distinct fellowship pathways. In his role of Director of the General Gastroenterology Clinic, he continues to teach the GI Fellows in Advanced IBD and GI Fellows in Advanced Therapeutic Endoscopy, IBD, Esophagology and Neurogastroenterology. He is a member of the American College of Gastroenterology and American Federation for Medical Research (Member Crohn's and Colitis Foundation of America). He serves on the *Gastroenterology Insights* Editorial Board and *American Journal of Physiology*, Gastrointestinal and Liver Physiology Editorial Board.

**Rahul M. Kohli, MD, PhD**

*Associate Professor of Medicine*

Dr. Kohli's high impact research is advancing the field of genomic modification and mutation. He uses combined approaches of enzymology and chemical biology to try to understand enzymes that naturally target and modify the genome with relevance to immunity, epigenetics, and infectious pathogenesis. Among his seminal contributions is the development of a method called APOBEC-Coupled Epigenetic Sequencing (ACE-Seq) which relies on enzymatic rather than chemical deamination of cytosine. He has an impressive record of funding and scholarship in leading journals such as *Nature*, *Biochemistry*, *Nature Biotechnology*, *Nature Chemical Biology*, and *Journal of Biologic Chemistry*. In 2018, he was elected to the American Society for Clinical Investigation. In 2020, he received the Pfizer Award in Enzyme Chemistry. This award recognizes outstanding work in enzyme chemistry where the presence of enzyme action is unequivocally demonstrated.

**Gary B. Korus, MD**

*Professor of Clinical Surgery*

Dr. Korus is an excellent clinical surgeon and teacher. He is recognized at PPMC and across Southeast Pennsylvania and the southern New Jersey regions for his expertise in bariatric surgery. He incorporates a multidisciplinary approach to minimally invasive bariatric surgery and follows patients through all the phases of care which are critical to the success of the bariatric weight reduction process. He coordinates with Penn Medicine's community of innovation, technology, and population-based models for patient care. Part of this concentration includes teaching trainees in provision of this integrated care. He serves on the PPMC Department of Surgery Executive Quality Committee, and the CUPP 5 Unit Based Clinical Leadership group. He is co-lead for the PPMC DOS inpatient Clinical Effectiveness team and is the general surgical representative on the PPMC Podiatry Residency Oversight Committee. He has served as a peer reviewer for several journals including the *Archives of Surgery* and *Surgical Endoscopy*. He has been awarded the status of Philadelphia Top Docs by Philadelphia Magazine. Nationally he serves on committees of the Society of American Gastrointestinal and Endoscopic Surgeons and has been selected as an examiner for the American Board of Surgeons.

**Carrie L. Kovarik, MD**

*Professor of Dermatology--Clinician-Educator*

Dr. Kovarik is an international leader in dermatologic global health. Her clinical research focuses on access to health care, telemedicine, informatics and HIV-related skin disease. She is widely recognized for the development of telemedicine in developing countries, with a focus on teledermatology and telepathology. She is the Director of the Penn Dermatology Global Health Program. Her publications are in premier journals including the *Journal of the American Academy of Dermatology*, *Archives of Dermatology*, and the *Journal of Telemedicine and Telecare*. She has received numerous awards from the American Academy of Dermatology including the American Academy of Dermatology Patient Care Hero Award in 2019 and the American Academy Presidential Citation for Leadership in 2020. She is an inspiring educator and mentor of medical students, residents and fellows within Penn and globally. Her innovations in educational initiatives have been groundbreaking.

**Jeffrey A. Kramer, MD**

*Professor of Clinical Emergency Medicine*

Dr. Kramer is a top-notch emergency department physician. He provides both direct patient care and supervises care provided by housestaff and students. He also supports PPMC's trauma center by assessing trauma transport arrivals, providing airway evaluation and management of trauma alert patients, and monitoring the Emergency Medical Services command line in the department. He is recognized as the leader in the use of Emergency Medicine Point of Care Ultrasound (EM-POCUS) and is the Director of Emergency Ultrasound in Emergency Medicine. For several years, he has traveled annually to Ghana to serve as the medical director for a project running mobile medical clinics in the remote and underserved Volta region. He was appointed the Director of Ultrasound for the PPMC Department of Emergency Medicine in 2005 and spends a large portion of his effort training other faculty, residents, and students in ultrasound technique. Dr. Kramer developed an Ultrasound guided IV program course at PPMC Emergency Department for nurses and advanced practice providers. In 2020, Dr. Kramer was appointed Director of the Emergency Medicine Ultrasound Fellowship. In addition, he evaluates all the PPMC ED clinical ultrasounds for quality assurance and improvement. In 2018, he was the recipient of the Penn Emergency Medicine Residency Teaching Attending Award.

**Mary (Maryl) E. Kreider, MD, MSCE**

*Professor of Clinical Medicine*

Dr. Kreider is recognized nationally as a tertiary-level referring physician for pulmonary complications of collagen vascular diseases and interstitial lung diseases. She has been Director of the Interstitial Lung Disease Program since 2015. She has been active in national organizations including the pulmonary fibrosis foundation (PFF), a patient advocacy group. She has also been active in the LAM Foundation. She makes significant contributions to education at Penn Medicine and nationally. In 2014, she was named Director of the Pulmonary and Critical Care Fellowship Program and has overseen multiple educational initiatives. In 2015, she became the Vice-Chief of Education and Faculty Development for the division. She created committees on culture and bias for the division and implemented introduced workshops to reduce bias.

**Pablo Laje, MD**

*Associate Professor of Clinical Surgery*

Dr. Laje is an exceptional clinician and is a national leader in the use of minimally invasive surgery techniques in pediatric patients. His expertise includes laparoscopic procedures such as pancreatectomy and choledochal cyst resection. He has also worked with the CHOP International Medicine program in South America with both the pediatric surgery program and the Center for Fetal Diagnosis and Treatment. In addition to clinical activities at the CHOP main campus, he sees patients in clinic and does outpatient surgeries at CHOP's satellite facility in King of Prussia, PA. He started a multi-disciplinary program to treat patients with hyperhidrosis, working together with the Divisions of Cardiology and Dermatology and the Department of Child and Adolescent Psychiatry and Behavioral Health Services. He is the surgeon-in-charge at CHOP's Center for Lymphatic Disorders which takes care of patients with extremely complex disorders of lymphatic flow who come from all over the world to undergo surgical procedures not offered anywhere else. Dr. Laje oversees the surgical section of the Newborn and Infant Chronic Lung Disease program at CHOP, a multidisciplinary program that provides specialized care to the ever-growing population of extremely premature newborns. He also runs the wound care clinic in the Division of General Surgery and is the surgeon-in-charge for the Center for Lymphatic Imaging and Interventions.

**Melike Lakadamyali, PhD**

*Associate Professor of Physiology*

Dr. Lakadamyali is widely regarded as a leader in the field of high-resolution microscopy, and lauded for her ability to not only develop this technology but apply it fruitfully, thoughtfully, and collaboratively to questions of significant importance for human health and disease. Her primary focus is the use of her imaging techniques to improve understanding of sub-cellular structure, organization, and function. Her work has been recognized with her receipt of the EMBO Young Investigator Award and the Linda Pechenik Montague Investigator Award. She was selected as a “cell scientist to watch” by the Journal of Cell Science. Dr. Lakadamyali serves as a peer reviewer for many top journals, including Science, Nature, several Nature network journals, and PNAS. She serves as the course co-director for “Quantitative Image Analysis for Biologists” and lecturer in several other CAMB course offerings.

**David S. Lambert, MD**

*Associate Professor of Clinical Emergency Medicine*

Dr. Lambert is an exceptional educator and leader in his field. In the U.S. Navy, he served as a Group Flight Surgeon, Miramar Marine Corps Air Station and was a participant in Operation Iraqi Freedom. After his military Service, Dr. Lambert came to Penn and HUP for training in hyperbaric medicine. As Associate Medical Director for the ED, Dr. Lambert has been involved in day-to-day clinical care and the development and expansion of clinical guidelines and a new provider-in-triage program. Additionally, his expertise includes the development of new care practices such as the use of IV Acetaminophen in the ED for patients with pain related to irritable bowel disease. He highlights his collaboration with the Center for Evidence-Based Practice (CEP) to develop other standardization and quality implementations working with nursing and physicians on these projects. This clinical work is both at the Hospital of the University of Pennsylvania (HUP) and Penn Presbyterian Medical Center (PPMC) and is currently Chief, Division of Hyperbaric and Undersea Medicine, Hospital of the University of Pennsylvania and is a Fellow, American College of Emergency Physicians.

**Daniel J. Landsburg, MD**

*Associate Professor of Clinical Medicine*

Dr. Landsburg is an exceptional and gifted clinician. He has gained regional and national recognition for his work on aggressive B-cell lymphoma, his excellence in patient care and interprofessional collegiality, and his teaching and mentoring commitment to residents and fellows. He has transitioned from an inpatient hospitalist to a lymphoma clinician with a large outpatient practice, although he continues to serve as an attending on the inpatient hematologic malignancy services. Dr. Landsburg also has assumed several important administrative roles. As the Vice Chief for Quality and Safety for the Division of Hematology/Oncology, he advances the development and implementation of clinical and educational programs to foster a culture of safety and continuous quality improvement. His role as Physician Leader for the inpatient oncology Unit Based Clinical Leadership (UBCL) and infusion services at HUP/PCAM have enabled him to provide strong physician leadership for several quality initiatives. These include inpatient efforts to reduce time-to elective chemotherapy administration, reducing hospital readmissions, reducing hospital associated infections, improvements in the rounding structure on the house staff service, meeting quality metrics set for the oncology UBCL and outpatient efforts to reduce infusion wait time, and implementing chemotherapy teaching visits, among others. He is currently an editorial board member for *Clinical Lymphoma, Myeloma & Leukemia*.

**Meghan Lane-Fall, MD, MSHP**

*Associate Professor of Anesthesiology and Critical Care—Clinician-Educator*

Dr. Lane-Fall is a prominent leader in the field of patient safety and implementation science. She uses qualitative and mixed methods research to focus on improving healthcare provider communication at times of transition or handoff across sites of care. In 2019, she was named Co-Medical Director of the trauma surgical intensive care unit at Penn Presbyterian Medical Center. She is the founding Co-director of the Center for Perioperative Outcomes Research and Transformation (CPORT). CPORT focuses on improving the health and well-being of patients undergoing surgery, critical care, and pain treatment through high quality comparative effectiveness research and implementation science. She has an excellent record of funding and scholarship. In 2019, she was elected to the American College of Critical Care Medicine. She is an outstanding teacher of medical students, residents, and fellows.

**Anthony Lanfranco, MD**

*Associate Professor of Clinical Medicine*

Dr. Lanfranco is an accomplished clinician educator. He has attained regional prominence for his care and expertise in Interventional Pulmonology with patients and regional referring physicians seeking his expertise for these issues. He has clinical and scholarly focus on benign and malignant central airways disease requiring advanced bronchoscopic techniques including rigid bronchoscopy, laser ablation, and stenting. He is Assistant Program Director for Bronchoscopy and Airway Management Education, Pulmonary and Critical Care Fellowship, the Program Director, Advanced Interventional Pulmonology and Thoracic Oncology Fellowship Program and the Medical Director of Bronchoscopy and Interventional Pulmonology, Penn Presbyterian Medical Center. He practices within these areas that he leads. Dr. Lanfranco serves as the attending in the MICU role in developing the Interventional Pulmonology program at PPMC, including the recent endobronchial valve lung volume reduction program. In 2017, he received the Robert L. Mayock-Alfred P. Fishman Teaching Award Division of Pulmonary, Allergy, and Critical Care Medicine and has been named *Castle Connolly* Top Doctor three years in a row.

**Eleni Lantzouni, MD**

*Professor of Clinical Pediatrics*

Dr. Lantzouni is a nationally recognized clinician with a track record of leadership in eating disorder programs and diagnosis and treatment of eating disorders in pediatric and adolescents patients. She serves as the Medical Director of the CHOP Eating Disorders Program and leads multiple divisional QI initiatives. Dr. Lantzouni is an outstanding educator, which has garnered her a national reputation in teaching excellence and made her a highly sought after educator. She has lectured nationally on eating disorders, and has published educational materials on diagnosing/ treating eating disorders in pediatric and adolescent patients as well. Since 2016, Dr. Lantzouni has been a member of the CHOP Ethics Committee. She is a member of a number of professional and scientific academies and societies. At the national level, Dr. Lantzouni has served on the Society for Adolescent Health and Medicine (SAHM) Career Awards Committee on Outstanding Achievement (2010-present and Chair, 2016-2019), SAHM Eating Disorders Committee (2011 – present), and as the SAHM Special Interest Group Leader for Eating Disorders and Teaching Adolescent Health. Since 2017, she has served on the Special Interest Group oversight committee for the Academy of Eating Disorders.

**Benjamin L. Laskin, M.D, MS**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Laskin is a nationally recognized authority in pediatric transplant nephrology. He has made significant contributions to clinical and translational research in the role of the BK virus after solid organ and bone marrow transplant and in quality improvement in pediatric nephrology. In 2016, he was named Medical Director for Quality Improvement at the Transplant Center and Medical Operations Director of the nephrology division at CHOP. His scholarly contributions include peer-reviewed publications in premier journals in his field. In 2015, he was elected to the Society for Pediatric Research. He was the only national pediatric representative on the Board of Directors for the American Society of Nephrology's (ASN) Kidney Health Initiative, a collaboration among industry, the FDA, and the ASN. He is a member of the American Society of Pediatric Nephrology's Education Committee.

**John Todd Lawrence, MD, PhD**

*Associate Professor of Orthopaedic Surgery—Clinician-Educator*

Dr. Lawrence is an influential leader in pediatric orthopaedic surgery who specializes in the care of high-level pediatric and adolescent athletes. His areas of expertise include ACL reconstruction, athletic injuries in the shoulder, knee, and ankle, arthroscopic treatment of injuries, and pediatric trauma and fracture. His basic science and clinically based research collaborations across Penn and other leading pediatric orthopaedic centers in the United States and Canada are advancing care of adolescent athletes. He is a founding member of Pediatric Research in Sports Medicine. He developed and validated a novel simulator to teach the “art” of fracture reduction and casting that is used at Penn and many other orthopaedic training programs in the country. He built a simulation tool to teach the basics of pinning a supracondylar humerus fracture and another to assess trainee skill level and competence prior to participating in patient care. He is a member of the Board of Directors of the American Academy of Pediatrics.

**Kevin P. Leahy, MD, PhD**

*Associate Professor of Clinical Otorhinolaryngology: Head and Neck Surgery*

Dr. Leahy is an outstanding clinician who is recognized as an expert in the clinical subspecialty of laryngology, particularly disorders of the voice, airway, and swallowing. His innovative surgical techniques include the use of the KTP laser for treatment of dysplastic laryngeal lesions and papillomatosis of the larynx, incorporating the use of Avastin for treatment of laryngeal papilloma, and endoscopic-assisted posterior cricoid split and rib graft for the treatment of posterior glottis stenosis. He is the Clinical Director of the Otolaryngology Clinic at Penn Medicine Washington Square/Pennsylvania Hospital. He is an equally outstanding teacher who is known for his collegial and collaborative style and the ability to explain complex clinical and surgical decision making.

**Edward B. Lee, MD, PhD**

*Associate Professor of Pathology and Laboratory Medicine*

Dr. Lee is an innovative academic neuropathologist whose impactful research is providing new insights into neurodegenerative disease pathology. His research focuses on human neurodegenerative diseases, particularly frontotemporal degeneration (FTD), amyotrophic lateral sclerosis (ALS), and Alzheimer's disease. In a recent study, he identified a novel genetic mutation in the Valosin-Containing Protein (VCP) gene linked to an autosomal dominant frontotemporal dementia. This mutation in VCP impairs tau disaggregase activity and leads to a vacuolar tauopathy. These results suggest that impaired tau turnover promotes neurofibrillary degeneration and introduces the possibility that modulating VCP activity may represent a novel anti-tau therapy. He has had continuous funding for his research since his fellowship. His scholarly productivity is impressive. He serves on NIH study sections.

**Gwo-Chin Lee, MD**

*Professor of Orthopaedic Surgery-- Clinician-Educator*

Dr. Lee is a nationally prominent orthopaedic surgeon who is an expert in adult and hip reconstruction surgery. His research focuses on outcomes in hip and knee arthroplasty, revision replacements, deep prosthetic infections, fractures and tissue engineering, and developmental biology. He has contributed peer-reviewed publications in prestigious journals in his field such as *The Journal of Bone and Joint Surgery*, *Clinical Orthopaedics and Related Research* and the *Journal of Arthroplasty*. He is the knee section editor of *Orthopaedics Hyperguide*. He is a member of two prestigious societies in orthopaedic surgery, the Hip Society and the Knee Society. In 2017, he received the Achievement Award from the American Academy of Orthopaedic Surgery. He was named Fellowship Director for the Adult Reconstruction Fellowship in 2011.

**John Y.K. Lee, MD**

*Professor of Neurosurgery--Clinician-Educator*

Dr. Lee is an innovative leader in the field of clinical neurosurgery. He is an expert in minimally invasive neurosurgery, particularly endoscopic and stereotactic radiosurgery. He treats patients with brain tumors and cranial nerve disorders, providing a range of options including conventional open brain surgery, minimally invasive endoscopic techniques, and gamma knife outpatient radiation options. He is a highly collaborative researcher whose interests include neurosurgical techniques and fluorescence image-guided surgery for brain tumors, and his pioneering efforts are leading the field in this area. He publishes in leading specialty journals such as *Neurosurgery*, the *Journal of Neurosurgery* and *Nature Genetics*. He is a board member of the International Gamma Knife Research Foundation.

**Major Kenneth Lee, IV, MD, PhD**

*Associate Professor of Clinical Surgery*

Dr. Lee is an outstanding surgical oncologist who has built a robust and diverse practice. In addition to a focused effort centered upon surgical treatment of liver, pancreas, and biliary tract disorders, he has also maintained a general surgery presence, including hernia and foregut procedures. He is known not only for his superior technical skills but also for his dedication to his patients, his excellent clinical judgment, and his highly collaborative and collegial manner. He is an equally outstanding, highly engaged teacher. He received the William Y. Inouye Faculty Award in 2019 and the Ernest F. Rosato Faculty Teaching Award in 2020. He is Associate Program for the Residency Program, with a primary focus on improving the process of evaluation and strategies for improving the performance of general surgery residents. He also mentors medical students and residents in clinical and academic matters.

**Debra Lefkowitz, PsyD**

*Associate Professor of Clinical Psychiatry*

Dr. Lefkowitz has made significant contributions to clinical care at CHOP in pediatric transplant and in behavioral health, having been instrumental in the expansion and development of new models of integrated psychological, medical, and psychiatric care. She is recognized as a local, national, and international leader in developing the role of psychological services to pediatric transplantation, through innovation in clinical care and active participation in national and international transplant organizations. Since 2007, she has served as the Clinical Director of the Pediatric Health and Behavior Program, a program she developed, and the Program Services Manager of the Transplant Center. She recently completed a 4-year elected term as a Councilor of the International Transplant Association. She is a highly respected clinician who provides excellent care to patients and their families. She is an exemplary teacher and mentor.

**Joshua M. Levine, MD**

*Professor of Neurology—Clinician-Educator*

Dr. Levine is a nationally recognized neurointensivist who specializes in the care of patients with severe injury to the nervous system. He has been chief of the division of neurocritical care since 2013. Under his leadership, the Penn Neurocritical Care Program has developed a national reputation for excellence in clinical care, translational research, and education. His clinical research focuses on advanced neuromonitoring to determine pathophysiology and optimize therapy in critically ill neurological patients. He is an elected fellow of the American Neurological Association, the Society of Critical Care Medicine, and the Neurocritical Care Society. In 2014, he was elected to The Academy of Master Clinicians. He received the Presidential Citation from the Neurocritical Care Society in 2017 and 2018. He developed the neurocritical care fellowship, one of the few premier programs in the world.

**Lisa D. Levine, MD, MSCE**

*Associate Professor of Obstetrics and Gynecology—Clinician Educator*

Dr. Levine is an outstanding perinatal epidemiologist whose contributions to obstetrics and gynecology and maternal fetal medicine have had a significant impact on the field. Her evidence-based research focuses on defining optimal approaches to induction of labor, labor management, and the management of women with cardiac disease in pregnancy. She was named Director of the Pregnancy and Heart Disease Program in 2017. This interdisciplinary program is considered a national model and has been emulated by other academic centers. In 2019, she became Associate Director of the Maternal and Child Health Research Program. She received the 2016 Roy M. Pitkin Award from the editors of *Obstetrics and Gynecology*, the premier journal for the specialty, for her publication describing her randomized trial in labor induction which has changed labor induction practices nationally and internationally. Her manuscripts on cardiovascular disease have laid the groundwork for research focusing on health inequities and maternal morbidity and mortality.

**Hui Li, MD, MS**

*Research Associate Professor of Medicine*

Dr. Li is a nationally and internationally recognized investigator in HIV and hepatitis C virus (HCV) transmission, immunopathogenesis, and vaccine development. She has made groundbreaking research contributions in the areas of HIV-1, SIV and HCV transmission, immunopathogenesis, and vaccine development. She has provided new insights into the molecular features of HIV-1 and HCV transmission as well as a rhesus macaque model of HSIV transmission and immunopathogenesis. She also developed a novel molecular strategy for the precise molecular identification of HCV full-length genomes responsible for virus transmission in humans. She developed the Single Genome Sequencing and SHIV Design Core Service Center in the Penn Center for AIDS Research. This is a unique research support facility that is used by investigators at Penn and around the world.

**Kimberly Y. Lin, MD**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Lin has achieved national recognition for her contributions to the field of pediatric heart failure, cardiomyopathy, and transplantation. She is known particularly for her expertise in cardiac aspects of Friedreich Ataxia (FA), a rare inherited disease that causes progressive nervous system damage and movement problems. Her research focuses on identifying factors associated with outcomes in pediatric cardiomyopathy and heart transplant patients. She is the Cardiac Director of the Penn-CHOP Friedreich Ataxia Center of Excellence and the Medical Director of the Pediatric Cardiomyopathy Program at CHOP, one of the most prominent programs in the nation. In 2019, she became a Fellow of the American Heart Association. She is the Program Director of the Cardiomyopathy and Heart Transplantation Advanced Fellowship at CHOP. She developed an innovative core curriculum in cardiomyopathy, heart failure, and transplant for the cardiology fellows.



## **Harold Litt, MD, PhD**

### *Professor of Radiology—Clinician-Educator*

Dr. Litt is a nationally prominent academic radiologist whose collaborative research focuses on the development, clinical application, and evaluation of new magnetic resonance imaging (MRI) and computed tomography (CT) cardiovascular imaging techniques and includes the application of coronary CT imaging in the emergency department, MR imaging of patients with implanted devices, and non-linear mathematical modeling of cardiac motion. His prospective multicenter trial demonstrating the safety and efficacy of coronary CT for evaluation of patients presenting to the emergency department with chest pain was published in the *New England Journal of Medicine* and has influenced national, international, and multidisciplinary practice guidelines. He has been chief of the Cardiothoracic Imaging Division since 2017. In 2018, he received the *American Journal of Roentgenology* Silver Distinguished Reviewer Achievement Award.

## **Renyu Liu, MD, MS, PhD**

### *Professor of Anesthesiology and Critical Care--Clinician-Educator*

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 has also collaborated with a global multi-disciplinary team on reducing prehospital delays for stroke victims by implementing a novel stroke education strategy, Stroke 120 in China. He is editor-in-chief of *Translational Perioperative and Pain Medicine* and editor of *Stroke and Vascular Neurology*. He is a highly respected educator and mentor. In his role as Director of Preoperative Medicine, he developed a curriculum and rotation on preoperative medicine for the residents.

## **Katherine Lord, MD**

### *Associate Professor of Clinical Pediatrics*

Dr. Lord is widely known for her clinical expertise in hyperinsulinism. As a member of a multidisciplinary team, she manages all patients with hyperinsulinism admitted to CHOP. She is known for her accessibility, responsiveness, and ability to build strong relationships with patients and families. In 2016, she was named Medical Director of the endocrine inpatient unit. In this role, she leads a multi-disciplinary team of trainees, nurses, social workers, nutritionists and diabetes educators. In 2018, she was appointed as a Workstream Lead for Care Model Planning at the new King of Prussia Hospital. She is an exceptional teacher. In 2017, she received the Faculty Teacher of the Year Award from CHOP. In 2018, she received the Dean's Award for Excellence in Clinical Teaching at an Affiliated Hospital. Her clinical and research expertise on hyperinsulinism has resulted in national and international lecture opportunities.

## **Alison W. Loren, MD, MSCE**

### *Professor of Medicine--Clinician-Educator*

Dr. Loren excels as a clinician, educator, investigator, and administrator. She is a nationally and internationally recognized hematologist whose research focuses on fertility preservation, pregnancy and the implications of donor parity on the outcomes of allogeneic hematopoietic cell transplantation, and survivorship care. 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 in leading journals including *Blood*, *Biology of Blood and Marrow Transplantation*, and the *Journal of Clinical Oncology*. In 2015, she received the Palliative Care Champion award from the University of Pennsylvania Health System. She has been Vice Chair for faculty development since 2016 and Director of the blood and marrow transplantation, cell therapy and transplant (CTT) program since 2018.

**Iona S. Lorincz**

*Associate Professor of Clinical Medicine*

Dr. Lorincz is an outstanding clinician, quality improvement leader, and educator. She provides clinical care as a member of the Division of Endocrinology, Diabetes and Metabolism. As the Director of the inpatient Diabetes Service, she is responsible for oversight of the inpatient consult team. As Director of Quality for the Division, co-chairs the system-wide Diabetes P & T subcommittee and serves as the EPIC subject matter expert in endocrinology. Her significant work in quality and safety within endocrinology, diabetes, and metabolism has been an asset throughout the health system. Director of the Quality Improvement curriculum for the Endocrine Fellowship she leads QI education for the division, mentoring the Endocrine fellows in the completion of their QI projects. These projects have all been impactful on patient care and have including identifying common discharge medication errors in transplant patients, prepopulating charts for new patients with diabetes to improve flow and ensuring patients have back up basal insulin in the case of an insulin pump malfunction. Dr. Lorincz has also been a core faculty member and mentor for the Healthcare Leadership in Quality Track since 2015. As a senior LDI fellow, she participates in research primarily as a clinical collaborator in diabetes health services research. She collaborated on a Medicare database review evaluating the effects of hypoglycemia on insulin adherence. In 2020, she received T1DExchange, Award for Outstanding Principal Investigator (PI) Adult Category 2020 Outstanding PI Award - Type 1 Diabetes Exchange (T1DEx) Quality Improvement (QI) Collaborative.

**Elizabeth Lowenthal, MD, MSCE**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Lowenthal is an internationally renowned leader in the field of pediatric and adolescent HIV. Her research interests include several areas of international child health, including pediatric and adolescent HIV treatment adherence, comparative effectiveness of antiretroviral regimens, adolescent sexual health, social support networks for children and adolescents with HIV, and improving the palatability of pediatric HIV treatments. Her research has influenced guidelines for HIV treatment. She has a number of leadership positions at CHOP, including Research Director of Global Health, Director of the Global Health Research Affinity Group, and Director of the Center for Pediatric Clinical Effectiveness Adherence Working Group. In 2018, she received The Carole Marcus Mid-Career Award to Promote Career Development and Mentoring in Pediatric Research.

**Timothy H. Lucas, Jr., MD, PhD, MHCI**

*Associate Professor of Neurosurgery*

Dr. Lucas is an outstanding surgeon-scientist who is making groundbreaking contributions to his field. He is the Surgical Director of the Penn Epilepsy Center, Director of the Laser Neurosurgery Center, and Director of the Neurosurgery Gene Therapy Program. The Lucas group is one of only two in the world that develop somatosensory brain-machine interface (BMI) devices that re-establish communication between the brain and the body following spinal cord injury. He is the first neurosurgeon in the history of his department to receive NIH R01, NSF, and DoD grants and one of the few neurosurgeons nationally to receive an NIH R01. In 2017, he received American Brain Tumor Association Young Investigator Award. He has an equally impressive record as a teacher and mentor. He lectures to medical students, graduate students, residents, M.D./Ph.D. students and students from PennVet. He is a founder and a current member of the Board of Directors of the Society for Innovation in Neuroscience and Neurosurgery.

**Kelvin C. Luk, PhD**

*Research Associate Professor of Pathology and Laboratory Medicine*

Dr. Luk is a leading neuroscientist in the field of neurodegeneration. His research focuses on advancing the understanding of synucleinopathies, a group of neurodegenerative disorders that includes Parkinson's disease (PD), dementia with Lewy bodies and multiple system atrophy. He is widely known for the development of animal models of PD and related disorders using in vivo injection of alpha-synuclein. This method is called the PFF model and is used widely in laboratories around the world. He has a sustained record of research funding. He has contributed scholarship in leading journals including *Science*, *Nature Communications*, *Proceedings of the National Academy of Sciences*, and *The Journal of Clinical Investigation*. He presents his research nationally and internationally. He is a member of the Society for Neuroscience.

**Minjie Luo, Ph.D.**

*Associate Professor of Clinical Pathology and Laboratory Medicine*

Dr. Luo is an expert in two major clinical areas: the diagnosis of genetic hearing loss and heritable forms of cancer. She is a critical member of the division with respect to clinical service, education, and citizenship. She is the founding Director of Genomic Diagnostics at CHOP. In that role, she develops genomic tests based on clinical need; establishes technical parameters to meet the goals of the test; signs outpatient specific tests; and participates in training of laboratory fellows and other trainees. Her interactions with referring clinicians are exemplary. She is the Program Director for the ACGME certified fellowship program in laboratory genetics and genomics and has an extensive track record in training fellows. She is an outstanding teacher who is admired for her subject matter expertise, her encouraging interpersonal style, and her ability to convey difficult information.

**Kristle L. Lynch**

*Associate Professor of Clinical Medicine*

Dr. Lynch is an educational and clinical leader. Her clinical activity and departmental role revolve around esophageal disorders with a focus on disease entities such as esophageal dysmotility, eosinophilic esophagitis, scleroderma, gastroesophageal reflux disease and Barrett's esophagus. She currently directs the GI Physiology Testing Center at PCAM, a key teaching experience for GI fellows. Given her esophageal expertise, she commonly performs advanced esophageal testing such as Bravo wireless probe placement and endoscopic manometry catheter placement. Her comfort in complex esophageal dilations is evidenced by the numerous referrals she receives from other divisions for this procedure. She is also one of few practitioners in the division adept at interpretation of subspecialized GI testing including breath testing, advanced pH testing, and high-resolution esophageal manometry. She has led efforts to bring a new technology to PCAM that is cutting edge and available only in specialized centers in the US: i.e., EndoFlip measures of LES and pyloric sphincter compliance. She is also Program Director for the Advanced Fellowship in Esophagology. She leads the weekly Multidisciplinary Esophageal Conference regularly attended by GI, Surgery, Radiology and Therapeutic Endoscopy staff as well as numerous trainees.

**Andrew W. Maier, MD**

*Associate Professor of Clinical Medicine*

Dr. Maier is a highly respected physician who has a passion for primary care. He focuses on home health care for patients who find it too difficult to travel to physicians' offices. He has developed and fully implemented a home care program that has taken care of over 150 patients in the past five years. The program focuses on patients in the West Philadelphia community and is based in the Edward S. Cooper Primary Care Practice, which cares for the largest number of Medicaid patients and has the most complex patients in the Penn Primary Care Service Line. His patient satisfaction survey results are exemplary. He is a gifted teacher who is known for his clinical judgment, his availability, and his dedication.

**Gaurav Malhotra, MD**

*Associate Professor of Clinical Anesthesiology and Critical Care*

Dr. Malhotra is an excellent and highly experienced anesthesiologist respected teacher who provides anesthesia for general, ambulatory, thoracic, abdominal, and orthopaedic cases in the ORs at HUP and Penn Presbyterian Medical Center (PPMC). His area of specialization is in delivery of anesthesia for vascular surgery and liver transplantation. He devotes a large amount of time to teaching in the OR with a focus on vascular and thoracic surgery and liver transplantation. He has been designated as the Chair of the New Patient Pavilion Transition Committee for the new hospital building at HUP and has acted as a super-user for implementation of the electronic medical record in his Department. In 2020, was named Clinical Co-Director of the HUP ORs and is responsible for anesthesia staffing for all ORs at HUP and the Perelman Center for Advanced Medicine (PCAM). Dr. Malhotra is a member of the American Society of Anesthesiologists.

**Mira Mamtani, MD**

*Associate Professor of Clinical Emergency Medicine*

Dr. Mamtani is a highly skilled educator and outstanding clinician. In the Department of Emergency Medicine, she provides both direct patient care and supervises the care provided by residents and medical students for patients presenting to the Emergency Department at HUP or PPMC. She has been a medical educator in the Department of Emergency for more than seven years. Her mission has been to optimize the learning environment, both didactic and clinical experience of the learner. She has a specific area of interest in optimizing the clinical and didactic learning environment, with an emphasis on educational interventions to address racial and gender biases. She has demonstrated a significant impact in this space through her leadership of the didactic curriculum, where she has frequently evaluated and improved the structure to address the changing needs of the learners. She has developed, implemented, assessed, and published multiple curricula on patient centered care, implicit bias training, and social justice. As Associate Director of Focus and Health and Leadership for Women, and Education Co-Chair in the Center for Health Equity and Advancement, she has developed programming for faculty and trainees across the health system. Dr. Mamtani is a highly regarded emergency medicine educator and mentor as evident by being awarded the Faculty Member of the Year Award, Department of Emergency Medicine in 2019 and 2020.

**Asim Maqbool, MD**

*Professor of Clinical Pediatrics*

Dr. Maqbool is a nationally recognized authority in pediatric gastroenterology, particularly gastroesophageal reflux disease, feeding disorders, cystic fibrosis and pancreatic disorders and has a national referral base for his clinical practice. He was a founding member of the multidisciplinary Aerodigestive Center and remains its co-lead. Since 2015, he has been Director of CHOP's Center for Pancreatic Disorders. He is also the CHOP GI Liaison for the International Medicine/Global Patient Services Program at CHOP. He is known to go above and beyond to provide comprehensive, family-centered, and evidence-based care for his patients. He is a highly regarded teacher in the didactic and clinical settings. He has been named to the GI Fellow Faculty Honor Roll annually since 2012.

**Issam A. Mardini, MD, PhD**

*Associate Professor of Clinical Anesthesiology and Critical Care*

Dr. Mardini is an outstanding anesthesiologist and enthusiastic teacher. His primary clinical activity is in the delivery of anesthesia for surgery and interventional procedures at PPMC, and “offsite” location, i.e., GI, and pulmonary endoscopy and EP suites as well as the Scheie operating rooms for ophthalmology and podiatric procedures. In addition, he provides care for acute pain management and palliative care on the HUP inpatient units. He has also taken a leadership role in the management of deep vein thrombosis prophylaxis and the use of epidural analgesia. Additionally, Dr. Mardini provides safe delivery of care and quality improvement regarding neuraxial anesthesia procedures in anticoagulated patients. He has been a key lead in the department’s efforts to incorporate new guidelines, adopted by the American Society of Regional Anesthesia (ARSA), into recommended practice at HUP and PPMC. His contributions have resulted in significant updates to the Penn Medicine guidelines for neuraxial anesthesia in anticoagulated patients. He is a member of American Society of Anesthesiologists and Pennsylvania Society of Anesthesiologists.

**Lillian E. Marsh, MD**

*Associate Professor of Clinical Emergency Medicine*

Dr. Marsh is a superb clinician and patient advocate. She provides clinical care in Department of Emergency Medicine at Penn Presbyterian Medical Center (PPMC). Her work involves direct patient care and supervision of Emergency Medicine residents and rotating house staff (IM, FP, Podiatry, Ortho, Anesthesiology) and fellows in CHOP Pediatric Emergency Medicine program. She has contributed to faculty CME, communication in medicine and improving the healthcare of marginalized populations. She is the lead of the PPMC EM CME program. In recognition of her excellence as a teacher, the Emergency Medicine Residents voted Dr. Marsh the “Rookie of the Year” Award for Excellence in clinical education by Junior Faculty and is a member and mentor of the Elizabeth Blackwell Society. She has done ground-breaking work related to the treatment of opioid use disorder in the ED and is a member of the American Society of Addiction Medicine.

**Samuel Matej, PhD**

*Research Professor of Radiology*

Dr. Matej is an independent investigator whose research interests include methods of tomographic image reconstruction from projections in positron emission tomography (PET), single-photon emission computed tomography (SPECT), computerized tomography (CT) and magnetic resonance imaging (MRI) with emphasis on data processing and reconstruction approaches for fully three-dimensional emission tomography. He has an excellent record of research funding. He has contributed peer-reviewed publications in specialty journals in his field such as *IEEE Transactions*, *Physics in Medicine and Biology*, and *Journal of Medical Imaging*. He holds seven patents. He is a reviewer for numerous journals. In the past five years, he has served on the program committee of 24 meetings, many of which are international.

**Peter Mattei, MD**

*Professor of Surgery—Clinician-Educator*

Dr. Mattei is an outstanding pediatric surgeon who is a leader in pediatric surgical oncology, minimally invasive and robotic surgery, and the surgical treatment of inflammatory bowel disease. He is the department of surgery liaison with the Children's Oncology Group and participates in national clinical trials of treatment options for children with cancer. He is an active member of the CHOP Solid Tumor division where he helps formulate therapeutic plans for children with solid tumors who need surgery in addition to chemotherapy and radiation therapy. He is the Vice Chair for Quality, Safety and Outcomes and Director of the Surgical Quality Improvement Program. He is the inaugural chair holder of the Morgan Family Endowed Chair. He is known particularly for two widely read text books: Surgical Directives: Pediatric Surgery and Fundamentals in Pediatric Surgery (second edition 2017).

**Laura M. Mercer-Rosa MD, MSCE**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Mercer-Rosa is a distinguished national and international leader in the field of pediatric echocardiography. She has advanced the understanding and management of right ventricular function, particularly in patients with hypertension and tetralogy of Fallot. She has maintained NIH grant funding since her fellowship. Her publications, a number of which are highly cited, are in leading journals in her field. In 2019, she received the Women in White Coats Heroes Award from the Women in White Coats Project to honor her achievements in research dedicated to improving the outcomes and the lives of children with congenital heart disease. She is an outstanding teacher and mentor. She is a member of the American Society of Echocardiography Society's Task Force for Pediatric Transesophageal Guidelines Writing Committee.

**Raina M. Merchant, MD, MSHP**

*Professor of Emergency Medicine*

Dr. Merchant is a national leader in resuscitation science and digital health. Her pioneering and impactful research focuses on identifying preventable harms to reduce cardiac arrest and measuring and modifying factors that impact outcomes and studying and evaluating health communications on social media, mobile media, and crowdsourcing. In 2017, she was named Director of the Center for Digital Health and Associate Vice President of the University of Pennsylvania Health System. Her scholarly contributions are in preeminent journals including *Annals of Emergency Medicine*, *JAMA Internal Medicine*, *The New England Journal of Medicine*, *Academic Emergency Medicine* and the *Journal of the American Heart Association*. In 2020, she was elected to the National Academy of Medicine. She is an outstanding and highly valued teacher and mentor. She developed and directs a core required graduate course for the National Clinical Scholars program.

**Corey T. McMillan, PhD**

*Associate Professor of Neurology (conversion to tenure)*

Dr. McMillan is an innovative leader in multimodal and bioinformatics approaches to neurologic diseases. He uses neuroimaging, genomics, and clinical databases to advance the understanding of the heterogeneity of Alzheimer's disease, primary age-related tauopathy, frontotemporal degeneration, and amyotrophic lateral sclerosis, and to develop biomarkers that can be used for diagnosis and clinical trials. His research has been continuously supported by NIH and foundation grants since 2009. Among his scholarly contributions are many highly cited publications in leading journals in his field. He is an associate editor of *NeuroImage: Clinical*. In 2018, he received a National Alzheimer Coordinating Center New Investigator Award and he was elected to the Executive Committee of the Neuroimaging Society in Amyotrophic Lateral Sclerosis.

**Steven R. Messé, MD**

*Professor of Neurology—Clinician-Educator*

Dr. Messé is an academic vascular neurologist who has achieved national prominence in the field of stroke and neurocritical care. His research focuses on perioperative stroke, especially after aortic valve surgery, and in stroke related to patent foramen ovale (PFO), an opening covered by a flap of tissue in the wall of the heart that separates the two upper chambers or atria. He has contributed peer-reviewed publications in leading journals including *Neurology*, *Neurocritical Care*, *Circulations*, *JAMA*, and the *Journal of Stroke and Cerebrovascular Diseases*. He is a member of the NIH Small Business Innovation Research Study Section. He is a fellow of the American Academy of Neurology. He is an outstanding educator and mentor of medical students, residents and fellows. In 2015, he received the Excellence in Resident Teaching Award from his department.

**Robert G. Micheletti, MD**

*Associate Professor of Dermatology—Clinician-Educator*

Dr. Micheletti is a nationally and internationally recognized authority in complex medical-dermatological disease, including cutaneous vasculitis and severe adverse cutaneous drug reactions. He has increased the understanding of SJS/TEN, a life-threatening drug reaction, through his organization and leadership of the collaborative multi-center research team investigating outcomes, causes, treatment options, and measurement instruments as well as providing guidelines for care. In 2018, he became the Director of the Hidradenitis Suppurativa Specialty Clinic. In 2020, he was named chief of dermatology and Medical Director for the Dermatology Clinic at Pennsylvania Hospital. In 2020, he was selected as a member of The Academy of Master Clinicians. His volunteer activities include service as an attending physician in Botswana and answering international teledermatology cases regularly for Médecins Sans Frontières. He is an outstanding teacher, mentor, and role model.

**Christopher J. Miller, MD**

*Louis A. Duhring, MD Endowed Professor in Dermatology*

Dr. Miller is an innovative and highly accomplished leader in cutaneous oncology. He is known particularly for his expertise in Mohs and reconstructive surgery, with a focus on patients with complex skin cancers at high risk to recur or metastasize. He serves as Director of Dermatologic Surgery, the Mohs Laboratory, and the Penn Dermatology Oncology Center. In 2017, he was selected for The Academy of Master Clinicians. His research complements his clinical work, focusing primarily on clinical methodology, practice improvements, and outcomes for dermatologic surgery, and has influenced treatment guidelines for melanomas of the head and neck, acral sites, and genitalia. In 2018, he received the TRIO Presidential Award from Transplant Recipients International. In 2020, he received the Luigi Mastroianni Clinical Investigator Award. He is an outstanding teacher who makes substantial contributions to education inside and outside of the Perelman School of Medicine.

**Andy Minn, MD, PhD**

*Professor of Radiation Oncology*

Dr. Minn is an outstanding physician-scientist in the field of tumor microenvironment, immunotherapy and radiation biology. His cutting-edge research incorporates informatics-driven approaches, integrating animal work, molecular biology, genome-wide profiling, clinical data mining and computational modeling and focuses on the ways in which cancers acquire treatment resistance to both conventional therapies and immunotherapies. He has an impressive record of continuous funding for his research program. The center brings together cross-departmental teams of basic science and clinical investigators who focus on advancing the understanding of the interconnected relationships among advances in radiation therapy, signaling pathways in cancer and immune cells, and the immune system's ability to effectively control cancer. His peer-reviewed publications are in high impact journals including *Cell*, *Immunity*, and *Nature*.

**Tara C. Mitchell, MD**

*Associate Professor of Medicine—Clinician Educator*

Dr. Mitchell is an innovative translational researcher who has had a significant impact on melanoma immunotherapy. Her contributions and clinical trials in support of combination therapies for the treatment of melanoma have advanced the field, altered clinical practice, influenced trial design, and saved lives. Her influential work on testing the concept of concomitant IDO and PDI inhibition is highly regarded. She has a successful history of funding for her research. Her scholarly contributions are in leading journals including *Nature*, *Nature Medicine*, and the *New England Journal of Medicine*. She is a respected teacher and mentor of residents, fellows, medical students, graduate students, physicians, and allied medical professionals. She presents her research nationally. She is an active member of the Society for Melanoma Research and the American Society of Clinical Oncology.

**Vera Moiseenkova-Bell, PhD**

*Professor of Systems Pharmacology and Translational Therapeutics*

Dr. Moiseenkova-Bell is a highly accomplished structural biologist who uses multiple approaches including biochemistry, electrophysiology, mass spectrometry, and single-particle cryo-electron microscopy (cryo-EM) to elucidate activation and gating mechanisms of transient receptor potential (TRP) ion channels. These channels have been implicated in a diverse range of cellular processes. She is widely recognized as a leading expert in the use of high-resolution cryo-electron microscopy (cryo-EM), a technology that has transformed the area of structural biology to determine atomic structures of biological samples. Since coming to Penn, she has made significant contributions to advancing the understanding of molecular mechanisms of TRPV2, TRPV5, and TRPA1 channels gating. She is the Faculty Director of the Electron Microscopy Resource Laboratory and the Director of the Beckman Center for Cryo-Electron Microscopy. These services provide substantial benefit the research community at Penn. She has an impressive record of funding and scholarship. She is a member of NIH special emphasis panels and scientific review groups. She has presented her research nationally and internationally, including Gordon Research Conferences.



**Julie S. Moldenhauer, MD**

*Professor of Clinical Obstetrics and Gynecology*

Dr. Moldenhauer is a national and international leader in the field of fetal therapy. She is the Medical Director of the unique Special Delivery Unit at CHOP where her efforts are focused on fetal diagnosis and therapy. Her responsibilities include prenatal diagnosis, counseling, fetal surgical interventions and the management and delivery of pregnancies complicated by congenital anomalies. She is also Director of Obstetrical Services and in 2018, she was named the George Leib Harrison Endowed Chair in Fetal Therapy. In this role, she oversees both inpatient and outpatient obstetrical services and staff. She is actively involved with the North American Fetal Network. She received the inaugural Special Service Award from the International 22q11.2 Society. She is an excellent educator of medical students, genetic counseling students, residents, fellows, and junior faculty. She serves on the Advisory Committee for the Master's in Genetic Counseling Program.

**Richard C. Month, MD**

*Associate Professor of Clinical Anesthesiology and Critical Care*

Dr. Month is an excellent clinician and talented educator. He has a busy clinical service with a focus on obstetrical anesthesia and intraoperative management of patients undergoing non-cardiac surgery at HUP and manages emergency patients while on call. He participates in quality improvement projects and heads the interdisciplinary management of complex OB anesthesia patients. He has worked on the rollout of Enhanced Recovery after Caesarean Protocol for Labor and Delivery which has significantly reduced postop patient use of opioids. Dr. Month has an active leadership role in many of the national anesthesia societies including his position as President of the Pennsylvania Society of Anesthesiologists and as a delegate to the American Society of Anesthesiologists. He is a Board Examiner for the American Board of Anesthesiologists. He was named one of Pennsylvania's "Top 40 Under 40 Physicians" in 2016 and was awarded an Early Career Physician Scholarship for the Pennsylvania Medical Society's Year-Round Leadership Academy in 2017-18. He has been a member of the board of Directors of the Pennsylvania Society of Anesthesiologists (PSA) for 10 years and was elected to a 2-year term as president in 2018. He meets with lawmakers and Health Services departments at state and federal levels to advocate for anesthesia concerns. In this position he has served on Bylaws, Finance, and Resident/Medical Student Committees. He also serves as a delegate from Pennsylvania in the American Society of Anesthesiologists (ASA) House of Delegates to effect policy and guidelines and was appointed to two committees on OB Anesthesia and the Committee on Bylaws. He was elected a Fellow of the ASA.

**Wynne E. Morrison, MD, MBE**

*Professor of Anesthesiology and Critical Care—Clinician-Educator*

Dr. Morrison makes important contributions in the areas of palliative care, bioethics, and pediatric critical care. Her research focuses on ethics, end of life care, patient-family physician communication, and family-centered care. She has been the Associate Medical Director of the department of medical ethics at CHOP since 2013 and the Director of the Justin Michael Ingerman Center for Palliative Care since 2018. The center helps support children with serious or complicated conditions and their families through clinical care, psychosocial support, research, and education. She is a fellow of the American College of Critical Care Medicine. In 2015, she received the Leonard Tow Humanism in Medicine Faculty Award. She is an outstanding educator who has received numerous teaching awards. Her contributions to the Society of Critical Care Medicine have been recognized with several Presidential Citations and the Grenvik Family Award for Ethics, a highly prestigious award.

**Sogol Mostoufi-Moab, MD, MSCE**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Mostoufi-Moab is a nationally and internationally recognized leader in pediatric onco-endocrinology, particularly the long-term effects on the skeletal and metabolic systems of childhood cancer therapy. She is the endocrinologist for the Cancer Survivorship Program at CHOP, treating childhood cancer survivors with endocrine abnormalities such as abnormal growth, thyroid disorders, pubertal disorders, and thyroid malignancy and focusing her research on bone health and body composition abnormalities in these patients. She has made significant contributions to the literature in her field. She excels as a teacher and mentor of medical students, pediatric residents, and hematology-oncology and endocrine fellows in the inpatient and outpatient settings. She is a member of the Survivorship and Outcomes Steering Committee of the Children's Oncology Group and Chair of the Bone Health Committee of the International Harmonization Group.

**Phillip Mucksavage, MD**

*Associate Professor of Clinical Surgery*

Dr. Mucksavage is a gifted surgeon and outstanding clinician. He specializes in the delivery of advanced minimally invasive surgical techniques for the treatment of urologic oncology and stone disease. He has continued to advance the urology robotics and laparoscopic program, both clinically and educationally, creating and leading the regional VA-based urology robotic surgery program, as the Director of Robotics Surgery, as well as serving as the Director of the Robotics Urologic Surgery and Endourology program at PAH. His work includes several minimally invasive "firsts" at Penn, and he also developed clinical expertise in the realm of medically managing kidney stones. Dr. Mucksavage is also a regionally noted expert in endoscopic percutaneous management of stone disease, single port surgery for urologic conditions and the metabolic/medical management of kidney stone disease. He was the first urologist at Penn to perform a single-site laparoscopic nephrectomy, as well as the first to perform intracorporeal orthotopic urinary diversions after robotic cystectomy. Dr. Mucksavage enjoys a robust regional referral base and was the recipient of the Keith Van Arsdale Teaching Award, Division of Urology, Penn Medicine in 2019.

**Nikhil K. Mull, MD**

*Associate Professor of Clinical Medicine*

Dr. Mull has made significant contributions to evidence-based practice and to teaching. He is the Director of Penn Medicine's Center for Evidence-based Practice (CEP), Senior Associate Director of the ECRI-Penn Medicine AHRQ Evidence Practice Center, and inaugural Medical Director of the Penn Medicine Cochrane Affiliate Center of the US Cochrane Network. He received the Penn Medicine Center for Healthcare Innovation "Innovation Accelerator Program" award for standardization of diabetic ketoacidosis management and the 2018 UPHS Quality and Patient Safety Award for an initiative to improve sepsis care. He has received multiple teaching awards, including the Donna McCurdy Faculty Teaching Award, the John B. Eisenberg Teaching Award, and the Dean's Award for Excellence in Teaching at an Affiliated Hospital.

**Kiran Musunuru, MD, PhD, MPH, MD***Professor of Medicine*

Dr. Musunuru has made seminal contributions to cardiovascular science, genetics, and genome editing. He uses genetics and novel technologies to investigate mechanisms of human cardiovascular and metabolic disease and to develop new diagnostic tests and therapies, including a one-shot genome-editing “vaccination” against coronary artery disease. He has a sustained record of research funding. His publications are in high impact journals such as *Nature*, *New England Journal of Medicine*, *Cell Stem Cell* and *Circulation Research*. In 2018, he received the Judson Daland Prize for Outstanding Achievement in Clinical Investigation from the American Philosophical Society. In 2019, he received the Outstanding Investigator Award from the American Federation for Medical Research.

**Sage R. Myers, MD, MSCE***Associate Professor of Pediatrics—Clinician-Educator*

Dr. Myers is a distinguished physician-scientist in pediatric emergency medicine. She focuses on the identification and implementation of hospital-based factors that improve outcomes for seriously ill or injured children, as well as those who have time-sensitive and acute-care responsive disease processes. She is an expert in resuscitation and has been instrumental in developing and leading initiatives such as VIPER (Videography in Pediatric Emergency Medicine), a network of pediatric centers and national experts who collaborate on innovative research projects. She was elected to the Society for Pediatric Research in 2018. She developed and leads the annual Trauma Boot Camp that trains multidisciplinary providers in trauma resuscitation techniques using a combination of didactic, workshop and simulation formats. She has collaborated nationally to develop training materials and programs.

**Ursula Nawab, MD***Professor of Clinical Pediatrics*

Dr. Nawab is an outstanding clinician and educator who is committed to quality and safety. She has served as Senior Medical Director of Patient Safety at CHOP since 2019. She uses evidence-based award from Children’s Hospital Solutions for Patient Safety for Top-Performing Microsystem Leader. In 2018, she received the CHOP CNO safety award for Implementing Standardized Line Change in the NICU. She has received numerous awards for her efforts in teaching and mentoring. She is known as an excellent role model who values resident teaching and learning and allows her learners to take ownership of their patients.

**Anupma Nayak, MBBS, MD***Associate Professor of Pathology and Laboratory Medicine—Clinician-Educator*

Dr. Nayak is a prominent translational researcher in the field of breast pathology. Her collaborative, multidisciplinary research focuses on understanding the biologic heterogeneity of breast cancer and identifying new diagnostics, prognostic and predictive tumor markers. She received a Penn Center for Precision Acceleration award to develop a noninvasive screening tool to diagnose early stage breast cancers. She has contributed peer-reviewed publications in leading journals including *Journal of Clinical Investigation*, *Clinical Cancer Research*, *Oncogene*, and *American Journal of Surgical Pathology*. She is the Program Director for the breast pathology fellowship and a member of the surgical pathology fellowship curriculum committee. She is an elected officer of the International Society of Breast Pathologists.

**Saman Nazarian, MD, PhD**

*Professor of Medicine—Clinician-Educator*

Dr. Nazarian has had an impact on the field of cardiac electrophysiology and imaging. His clinical research focuses on imaging guided substrate evaluation and therapy delivery for cardiac arrhythmias. He developed safety protocols for performing magnetic resonance imaging studies in patients with implanted cardiac devices that have become the standard for international guidelines of practice. He received the Health Care Hero Patient Award in 2018 and 2019. He has made significant scholarly contributions in leading journals including a seminal study in the *New England Journal of Medicine* in 2017. He is an editorial board member of *Heart Rhythm*, *Heart RhythmO2*, and *Circulation: Arrhythmia and Electrophysiology*. He is a Fellow of the American College of Cardiology, the Heart Rhythm Society, and the American Heart Association.

**Jason Newman, MD**

*Professor of Otorhinolaryngology: Head and Neck Surgery—Clinician-Educator*

Dr. Newman is a prominent head and neck oncologic and reconstructive surgeon, with particular expertise in skull base surgery. He has been Director of head and neck cancer surgery at Pennsylvania Hospital since 2010 and Director of PAH's cancer service line since 2018. In 2015, he was elected to The Academy of Master Clinicians. His research complements his clinical interests and focuses on the management of skull base tumors, including the role of robotic and advanced endoscopic surgery. He has contributed peer-reviewed publications in leading journals in his field. In 2019, he received the Resident Research Teaching Award. He has served as Co-Director of the head and neck and skull base fellowship program since 2011 and Director of the head and neck fellowship program since 2018.

**Eliot H. Nierman, MD**

*Professor of Clinical Medicine*

Dr. Nierman is an accomplished clinician, teacher, and medical practice and informatics innovator. He is a productive and respected clinician who provides care in both inpatient and outpatient settings. He focuses on the interaction of the division of general internal medicine clinicians with PennChart and he is credited with providing the division with a variety of helpful defaults that improve quality of care, clinician efficiency, and reduce errors. He has been instrumental in the advancement of how the EMR is used in the division. He is a valued teacher whose teaching primarily takes place in the clinical settings in which he sees patients. He is recognized for his dedication and his ability to explain difficult concepts in a digestible manner.

**Nina Ross O'Connor, MD**

*Professor of Clinical Medicine*

Dr. O'Connor is a highly regarded health system leader, effective program leader and phenomenal clinician. Her primary clinical effort is to provide hospice and palliative medicine, including several weeks of service each year on the palliative care consult service at HUP, PPMC and Penn Hospice at Rittenhouse. She is the collaborating physician for nurse practitioners employed by Penn Medicine Hospice and Penn Home Palliative Care, providing clinical oversight and occasional home visits. In 2013, she joined as the inaugural charter practitioner of palliative care. Since May 2016, she has served as Chief of Palliative Care for Penn Medicine. Dr. O'Connor leads Penn's academic palliative care program with oversight for UME and GME rotations, an ACGME-accredited fellowship in Hospice and Palliative Medicine, and numerous teaching initiatives related to end-of-life care throughout the health system. She works closely with the Palliative and Advanced Illness Research Center with a mission to align palliative care research efforts with clinical initiatives and opportunities. Dr. O'Connor is also the Chief Medical Officer for Penn Medicine at Home which includes home health, hospice, home palliative care, and home infusion. Penn Medicine at Home has a daily census of more than 6000 patients across the geographic region of Penn Medicine. She also teaches medical students, residents and fellows as well as participates in CME activities and has a leadership role with Penn-associated Advanced Practice Providers.

**Temitayo A Ogunleye, MD**

*Associate Professor of Clinical Dermatology*

Dr. Ogunleye is an expert clinician in ethnic skin disease and hair disorders and outstanding clinical dermatologist. She has already established a local and regional referral base and has helped the department expand clinical and research efforts in this area. She provides general and specialized care in general dermatology and particularly in the areas of ethnic skin and hair disorders as well as for patients with Central Centrifugal Cicatricial Alopecia (CCCA). Dr. Ogunleye's expertise is recognized at Penn and beyond; she is frequently invited to speak outside of Penn and serves as a mentor to students and residents at Penn and other institutions. In 2019, Dr. Ogunleye assumed the role of Associate Director of Diversity and Inclusion for the Department. In this position, Dr. Ogunleye works closely with the Vice Chair of Diversity, Equity, and Inclusion, and mentors students who are under-represented minorities (URM). She is heavily involved in the Department's recruitment and retention of URM medical students to match in the Dermatology residency program. In addition, she volunteers annually with the Penn Academy for Skin Health (PASH) which provides introductory laboratory techniques to high school students from Philadelphia.

**Michael A. Padula, MD, MPH**

*Professor of Clinical Pediatrics*

Dr. Padula is a superior clinician and teacher. He provides clinical care in the CHOP/HUP NICUs and is considered a model of excellence. He has served on numerous institutional committees. He was recently elected as Vice Chair of the Children's Hospital Neonatal Consortium where he also serves on the Board of Directors. He is a nationally and internationally recognized leader and educator in the development of health information standards, interoperability, terminology and data modeling in neonatal care and quality improvement. He is Medical Director of Informatics for Neonatology and collaborates across Penn Medicine, including CHOP, HUP and Pennsylvania Hospital. He is an excellent teacher who is known as an advocate for his trainees. He has been invited to lecture nationally and internationally, particularly as part of the International Neonatal Consortium.

**Eric James Palecek, MD**

*Associate Professor of Clinical Medicine*

Dr. Palecek is a model clinician, successful clinical teacher, and educator. He participates in the education of residents and students in the practice of outpatient general internal medicine with special attention to practice operation, curriculum development, direct observation, assessment, and remediation. He has achieved local and national recognition in this area and has presented his educational curricular innovations at national, academic conferences. In January of 2019, Dr. Palecek became Associate Program Director for the Penn Internal Medicine Residency Program. In this role, he has introduced several advances including ways to identify struggling learners earlier and provide them with more comfortable and non-threatening options for improving through coaching and remediation. Also, he worked with others to develop an electronic tool that relies on direct observation to measure behavioral skills that are specific to history taking, counseling, physical examination and other resident behaviors and facilitates effective feedback to residents. Since introducing the new tool in July of 2019, the number of direct observations by faculty members of interactions between residents and patients has more than doubled compared to last year, and nearly all the user comments about the new system have been positive. Dr. Palecek is an American College of Physicians Fellow and is an invaluable educator in the Department of Medicine.

**Lisa K. Pappas-Taffer, MD**

*Associate Professor of Clinical Dermatology*

Dr. Pappas-Taffer is a respected clinician and local and national leader in her field. She provides general dermatology care and has expertise in providing care to patients with complex medical dermatology and connective tissue diseases including lupus, dermatomyositis, systemic sclerosis, morphea, genital and extragenital lichen sclerosis. She also specializes in other autoimmune lichenoid diseases – including oral/vaginal lichen planus and lichen planopilaris. Her referral base is regional and includes patients from New Jersey, Pennsylvania, Delaware, and New York. She works closely with Penn physicians in Rheumatology, Oral Medicine, Gastroenterology, and Gynecology to collaboratively care for these complex patients. She is an invited lecturer on these topics for the American Academy of Dermatology, Penn, and other top-tier dermatology departments. She practices primarily at HUP/PCAM and the Bucks County Penn Dermatology practice. She has served as the Medical Director of Penn Dermatology at Bucks County since 2017. She also precepts residents and teaches medical students while providing care to patients at the Corporal Michael J. Crescenz VA Medical Center's Dermatology Clinic. Dr. Pappas-Taffer also is a member of several professional societies including American Academy of Dermatology, Medical Dermatologic Society, Medical Dermatologic Society, Philadelphia Dermatologic Society.

**James D. Park, MD, MPH, MSHP**

*Associate Professor of Clinical Medicine*

Dr. Park is an academic hospitalist who works collaboratively with other providers, nurses, pharmacists, and therapists to provide outstanding clinical care for hospitalized, adult patients at HUP and Good Shepard Penn Partners/Specialty Hospital at Rittenhouse. He is known for his clinical acumen, attention to detail, professionalism, and communication skills. He developed and leads two programs to enhance faculty development: the Penn Hospitalist Sub-Specialty Scholars Program and the New Faculty Development Series, a year-long program that features high-yield topics for new attendings. He provides high quality teaching to students and residents.

**José Pascual-Lopez, MD, PhD**

*Professor of Surgery—Clinician-Educator*

Dr. Pascual-Lopez is a nationally prominent surgical intensivist who has made significant contributions to basic and clinical research in the areas of traumatic brain injury and shock, critical care education and simulation, and patient safety in surgery. He has served as Patient Safety Officer since 2012 and Co-Medical Director of the surgical intensive care unit at HUP since 2015. His basic science work is translated into several clinical projects both retrospective and prospective evaluating the effects of different osmotherapeutic agents in traumatic brain injured patients as well as the immunomodulating effects of different resuscitation fluids in different forms of shock. He is an excellent teacher and mentor. He is a frequently invited lecturer and has had numerous organizing roles in scientific meetings. He is an active participant in prominent societies in surgery including the American College of Surgeons and the American Association for the Surgery of Trauma.

**Mitesh S. Patel, MD, MBA**

*Ralph Muller Presidential Professor*

Dr. Patel is a highly productive, innovative national and international thought leader in the areas of behavioral economics, patient care improvement, and nudges. His timely and clinically important research program focuses on using randomized clinical trials to test how behavioral economic approaches can improve medical decision-making and change physician and patient behaviors. He founded and directs the Penn Medicine Nudge Unit, the world's first behavioral design team embedded within a health system. In 2018, he received the two highest honors for junior faculty in the field: the Outstanding Junior Investigator of the Year Award from the Society of General Internal Medicine and the Alice S. Hersh Emerging Leader Award from AcademyHealth. In 2019, he received the Young Physician-Scientist Award from the American Society for Clinical Investigation. In 2018, he became Director of the VA Advanced Fellowship Program in Health Services Research and Development.

**E. Carter Paulson, MD, MSCE**

*Associate Professor of Clinical Surgery*

Dr. Paulson is recognized for her outstanding clinical acumen, leadership skills, and dedication to delivering the highest quality patient care. She was the first full-time colorectal surgeon to work at the Corporal Michael J. Crescenz Veterans Affairs Medical Center and, as Section Chief of General Surgery and Associate Chief of Surgery, she has built a model team credited with providing efficient and timely care. As Director of Perioperative Service, she has worked across surgical divisions to improve surgical flow and care delivery. Her work in medical education, including serving as Site Director of the Surgical Residency at the VAMC as well as the Site Director of the Medical Student 200 Clerkship, has been similarly impactful. She is involved at the national level as a member of the Program Committee for the annual meeting of the American Society of Colon and Rectal Surgery.

**Aimee S. Payne, MD, PhD**

*Professor of Dermatology*

Dr. Payne is a nationally and internationally recognized physician-scientist who has made seminal contributions to research in immune-mediated blistering diseases, particularly pemphigus vulgaris, a disease that causes blisters and sores on the skin or mucous membranes. She has been Director of the Skin Procurement and Engineering Core of the Penn Skin Biology and Diseases Resource-based Center since 2016 and the Director of the Penn Clinical Autoimmunity Center of Excellence since 2019. She has been successful in securing funding for her research. In 2018, she was elected to the American Dermatological Association. In 2020, she received the Eugene J. Van Scott Award for Innovative Therapy of the Skin from the American Dermatological Association. She makes substantial contributions as an educator and mentor of undergraduate students, medical students, graduate students, residents, fellows and postdoctoral fellows. She is the Associate Director of the Medical Scientist Training Program.

**Taine Pechet , MD**

*Professor of Clinical Surgery*

Dr. Pechet is an excellent teacher and clinician who specializes in minimally invasive thoracic surgery. He is currently the Chief of Surgery at PPMC, and his expertise is in the quality and in the administration of surgical care. Clinical work has concentrated on thoracic issues, and he has developed an interest in minimally invasive surgical options for chest procedures. He has a regional and national reputation in minimally invasive and robotic thoracic surgery especially in the area of thymoma and myasthenia gravis management and has brought referrals from around the region to Penn. He is introduced robotic lung and mediastinal surgery to Penn and then has been working with the Center for Precision Surgery, improving intraoperative visualization of malignancies. Additionally, he has been studying optimization of pain control, and he applied his excellence in quality improvement methods to this issue. He has published and spoken about all these topics. He has advanced the department of surgery's work in New Jersey. In 2018 he received the Traumatology and Surgical Critical Care Fellow's Teaching Award for Non-Trauma Faculty and the Marquis Who's Who in the World in 2018-2019.

**Rebecka Peebles, MD**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Peebles is a national leader in the areas of adolescent medicine and eating disorders. She focuses on the effects of malnutrition and refeeding and the impact on bone health, body composition, metabolic markers, and visceral fat deposition. She is the Director of Research and Quality Innovation for the Eating Disorder Assessment and Treatment Program at CHOP. The program is a multidisciplinary family-based, state-of-the-art model, with outpatient therapy, medical and nutrition visits, as well as medical stabilization when needed. In 2019, she was elected to the Society for Pediatric Research. She is a member of the scientific advisory board for a family advocacy group called Families Empowered and Supporting Treatment of Eating Disorders (F.E.A.S.T.) and serves on the board of the local chapter of the International Association of Eating Disorder Professionals.

**William H. Peranteau, MD**

*Associate Professor of Surgery—Clinician-Educator*

Dr. Peranteau is an outstanding physician-scientist who has made seminal contributions to the field of fetal therapy, particularly in utero stem cell transplantation and gene editing. He has been the Associate Director of The Center for Fetal Research and the Adzick-McCausland Distinguished Chair in Fetal and Pediatric Surgery at CHOP since 2020. He studies in utero hematopoietic cell transplantation and in utero gene therapy/editing for potential clinical application for many congenital hematologic and genetic disorders such as sickle cell disease, tyrosinemia, and Friedreich's ataxia. These groundbreaking interventions in in utero gene therapy are likely to replace many current surgical procedures. He publishes his research in high impact journals including *Nature Medicine* and *Science Translational Medicine*. He is a Fellow of the American College of Surgeons.



**Octavia Pickett-Blakely, MD, MHS**

*Associate Professor of Clinical Medicine*

Dr. Pickett-Blakely is a leader in adult nutrition and obesity management at Penn and nationally. She is an expert endoscopist in the inpatient settings at HUP and outpatient activities at PCAM, and PMC. Currently, she is the Director of GI Nutrition, Celiac Disease and Obesity Program and the Medical Director at the Perelman Center for Academic Medicine Gastroenterology Clinical Practice. In 2013, she established the Gastroenterology Division's first Nutrition, Obesity and Celiac disease (GI-NOC) program, one of fewer than 20 programs in the United States committed to providing comprehensive, nutrition focused care to adults with gastrointestinal and liver diseases. Dr. Pickett-Blakely provides lectures to medical students, residents, fellows and practicing clinicians (CME) on topics related to obesity and nutrition. In the clinical setting, she supervises fellows in the outpatient clinic and endoscopy suite and attends with medical students and fellows on the HUP in-patient service. She is co-chair of the GI division's Underrepresented Minority Committee, member of the Women in GI committee, and serves in several key educational roles within the most prestigious organization in the field, the American Gastroenterological Association (AGA). She is also a member of the Graduate Training Exam Committee and was recently appointed to a position in the AGA's Academy of Educators.

**Janice Pieretti, MD**

*Associate Professor of Clinical Medicine*

Dr. Pieretti is an outstanding academic physician. She is an established regional leader and is the primary focal point for cardiac amyloid care at HUP. Her program interfaces with multiple areas of expertise at HUP, including Nuclear Cardiology/Molecular imaging, cardiac electrophysiology, the Center for Inherited Cardiovascular Disease, and Heart Transplantation. She is the Medical Lead for cardiac amyloidosis at the HUP. She has worked to raise awareness and provide education to not only the Penn faculty and physicians in training, but also to the surrounding referral network community. Additionally, she has grown a highly active, multi-disciplinary amyloidosis practice at HUP and PCAM, in alignment with Penn's Cardiac Amyloid program. She is a member of International Society for Heart & Lung Transplantation and American College of Cardiology.

**John Plastaras, MD, PhD**

*Professor of Radiation Oncology—Clinician-Educator*

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. His pioneering research on proton therapy for lymphoma has influenced treatment and has been incorporated into the National Comprehensive Cancer Network guidelines. He created a consortium of researchers interested in radiation and CAR T cell therapy to participate in a multi-institutional project which Penn leads under the auspices of the International Lymphoma Radiation Oncology Group (ILROG). In 2020, he received the Medical Residency Attending Mentorship Award. He is a Steering Committee member of ILROG and co-chair for the written examination for the radiation oncology boards and an oral boards examiner for the American Board of Radiology.

**Florencia Greer Polite, MD**

*Professor of Clinical Obstetrics and Gynecology*

Dr. Polite is an outstanding role model and transformative leader who has had a significant positive impact on Penn Medicine. She is an expert in the optimization of mentorship, particularly with regard to academic advancement. She is a nationally recognized and sought-after speaker on this topic, giving Grand Rounds and featured talks at institutions from local high schools to prestigious universities and health systems. She speaks specifically to both the role of mentee and mentor as well as the challenges faced by underrepresented minorities in medicine, offering practical tools and roadmaps for assistance. She is a highly skilled and compassionate clinician and excellent teacher who models excellent communication skills with patients and colleagues.

**Tracey Polsky, MD, PhD**

*Associate Professor of Clinical Pathology and Laboratory Medicine*

Dr. Polsky is an exceptional clinician, teacher, and administrative leader. She is a model of professionalism who had demonstrated commitment to the diagnostic team and to patient advocacy. She has a number of leadership positions within the department including Director of Clinical Chemistry, Chief of Community Pathology, and the department's first Medical Director for Quality and Safety. Her exemplary communication skills have contributed to her ability to oversee all pathology services in the larger CHOP network including the development of the 24/7 clinical lab in the new regional children's hospital in King of Prussia. She has launched a robust lab stewardship program, co-directs the clinical chemistry fellowship program, and is a course director for a Master's in Translational Research program. She is an engaged and interactive educator.

**Adrian Popescu, MD**

*Associate Professor of Clinical Physical Medicine and Rehabilitation*

Dr. Popescu is an outstanding physiatrist who is an expert in spine and musculoskeletal medicine. His multidisciplinary training allows unique expertise in diagnostic and non-invasive treatment of persons with cervical, lumbar, and thoracic spine disorders, and he is highly skilled in spine injection procedures. He also has expertise in advanced procedures for cancer pain as well as vertebral augmentation procedures for advanced osteoporosis vertebral compression fractures. He is the founding Director of the Interventional Spine and Musculoskeletal Fellowship Program. He serves as the VA Site Director for the Pain Fellowship Program within the department of anesthesiology and critical care. He is an exceptionally talented educator and role model who is looked up to by trainees as a mentor and advisor.

**Margaret A. Priestley, MD**

*Professor of Clinical Anesthesiology and Critical Care*

Dr. Priestley is a national and international leader in pediatric critical care. She is the Senior Medical Director of Critical Care with responsibilities for the Pediatric Intensive Care Unit (PICU) at CHOP, one of the busiest and most prestigious PICUs in the world. She focuses on quality improvement and patient safety. She uses a quality improvement framework to reduce errors, ensure safe, consistently high-quality care, and improve efficiency in the delivery of services. She has lectured internationally at the International Symposium of Pediatric Intensive Care in Bogota, Colombia in 2018, and directed the CHOP Salzburg Seminars in Austria in 2019. She has demonstrated a strong commitment and passion for medical education and has made substantial contributions to the clinical education of all learners with whom she interacts.

**Alexander Proekt, MD, PhD**

*Associate Professor of Anesthesiology and Critical Care*

Dr. Proekt is an internationally distinguished neuro-anesthesiologist who has had an impact on the field of the neurobiology of consciousness. He uses neurophysiological and computational neuroscience methods to investigate the neurology of the awake and conscious brain, the transition from conscious states to unconsciousness following the administration of general anesthesia, and the processes required for restoration of consciousness following anesthesia. His landmark paper in *Proceedings of the National Academy of Sciences* demonstrated that recovery of consciousness after anesthesia involves transitions between several discrete activity patterns. He has a successful history of grant funding. He is an outstanding teacher and mentor of medical students and graduate students.

**Benjamin L. Prosser, PhD**

*Associate Professor of Physiology*

Dr. Prosser is an internationally recognized expert in cardiomyocyte cytoskeletal biology and mechanobiology who has made seminal contributions to understanding the role of the microtubule cytoskeleton in regulating cardiac mechanics. His groundbreaking use of high-resolution microscopy provided an unprecedented look into the behavior of the microtubule-cytoskeleton during cardiomyocyte contraction. Another area of research was inspired by the diagnosis of his daughter with STXBP1 encephalopathy, an untreatable neurodevelopmental disease caused by haploinsufficiency of a gene integral for central nervous system development. In 2019, he was named Associate Director of the Pennsylvania Muscle Institute at the Perelman School of Medicine. In addition to his frequently cited papers in *Science* (2016) and *Nature Medicine* (2018), he has published papers in other premier journals. He was elected chair of the renowned Gordon Research Conference on Cardiac Regulatory Mechanisms for 2022.

**Daniel Pryma, MD**

*Gerd Muehllehner Professor of Radiology*

Dr. Pryma is a prominent expert in nuclear medicine and molecular imaging. His research complements his clinical interests and focuses on the development and translation of radiopharmaceuticals for imaging and image-guided therapy of cancers, particularly for neuroendocrine cancers. He has served as chief of the division of nuclear medicine and clinical molecular imaging since 2016. He is also co-leader of the Positron Emission Tomography Center (PET Center) at Penn Medicine and the Radiology and Imaging Program of Abramson Cancer Center. He was the principal investigator, local PI and largest enroller of a pivotal phase II study of high specific activity iodine-131 iobenguane in the treatment of advanced pheochromocytoma and paraganglioma, leading to FDA approval of this drug in July 2018, the first therapeutic approved by the FDA for this orphan disease.

**Douglas J. Pugliese, MD, MPH**

*Associate Professor of Clinical Dermatology*

Dr. Pugliese excels as a clinician and educator. He is an expert in wound care and complex wound management and plays a vital multidisciplinary role in providing care of patients not only in dermatology but through referrals from other Penn Medicine departments and throughout the region. He is the chief of dermatology at PPMC. He is a certified Wound Specialist Physician, Diplomate of the American Board of Wound Management. He was named a Penn Health Care Hero in 2017 and 2018. He received the Dean's Award for Excellence in Clinical Teaching at an Affiliated Hospital in 2018. He educates not only the dermatology residents but also many primary care providers.

**Bryan A. Pukenas, MD**

*Associate Professor of Radiology—Clinician-Educator*

Dr. Pukenas is an innovative interventional neuroradiologist who is making cutting-edge contributions to the development of new procedures to improve patient care and reduce the need for surgical interventions. In collaboration with colleagues in neurology, radiology, and neurosurgery, he developed a procedure involving minimally invasive laminotomies that replaced the need for open surgery for the treatment of synovial cysts in the spine. More recently, he has become an expert in the administration of central nervous system gene therapy. He developed the world's first training program for the suboccipital injection using human cadaver and non-human primate models and supervised these training sessions at the University of Pennsylvania. He has expanded the program to train practitioners nationally and internationally to enable multicenter gene therapy trials.

**Chamith Rajapakse, PhD**

*Associate Professor of Radiology*

Dr. Rajapakse is a distinguished independent and collaborative investigator in the field of musculoskeletal imaging. He has made major contributions to the development and translation of novel MRI methods to study bone micro-architecture and mineralization, with a primary focus on the evaluation of osteoporosis and other metabolic bone diseases. He has contributed peer-reviewed publications in premier specialty journals including *Radiology*, *Bone*, and *Journal of Magnetic Resonance Imaging*. In 2018, he received the Medical Student Summer Mentoring Award and in 2019, he received the Penn Undergraduate Research Mentoring Program Award. He is a Senior Fellow at the Penn Center for Innovation where he works with members of the Penn research community to protect and commercialize intellectual property.

**Norman Randolph, MD**

*Associate Professor of Clinical Anesthesiology and Critical Care*

Dr. Randolph is a skilled and knowledgeable physician. He oversees the anesthetic care of patients who are undergoing procedures mainly in the GI suite (including ERCPs among other procedures), but also vascular, electrophysiology, transplant, neurosurgery, obstetrics, and trauma. Additionally, he participates in main operating room and labor and delivery call-coverage for overflow and emergency cases. Although Dr. Randolph has focused on non-OR anesthesia, he has maintained his interest and involvement in the care of cardiac patients. He contributed to the development of specific protocols for LVAD patients with an emphasis on prevention of GI AVMs. He has served as a charter member of the Society of Non-Operating Room Interventionists and Anesthesiologists (SONORIA) and served initially on its Board of Directors. SONORIA recently merged with the Association of Anesthesia Clinical Directors (AACD), a national organization and he was on the program committee of its national meeting for several years. Dr. Randolph currently serves as the Diversity Search Advisor for the department and is the Medical Director of the Penn Medicine Radnor Surgery Center.

**Peter P. Reese, MD, MSCE**

*Professor of Medicine*

Dr. Reese is a highly accomplished thought leader in the field of kidney transplant epidemiology and ethics. He founded and directs the Penn Center for Quality, Analytics and Research in Transplantation (PQART). His investigations focus on improving the process for selecting and caring for live kidney donors, developing effective strategies to increase access to kidney transplantation, determining outcomes of health policies on vulnerable populations with kidney disease, including the elderly, and testing strategies to improve important health behaviors such as medication adherence. His peer-reviewed publications are in leading journals including *The New England Journal of Medicine*, *Transplantation*, *The Lancet* and the *American Journal of Transplantation*. In 2019, he was inducted into the American Society of Clinical Investigation. In 2020, he received the Samuel Martin Health Evaluation Sciences Research Award.

**Janet Reid, MD, MEd***Professor of Clinical Radiology*

Dr. Reid is a highly accomplished clinician with a vast font of knowledge. She has made outstanding contributions to education. In 2018, she was named Vice Chair of Education with an expanded role to include oversight of Global Radiology, the Visiting Professor Program, and the Residency and Fellowship Programs. She received the Leadership Through Crisis award, presented by pediatrics radiology fellows at CHOP. Among the innovations she created is RADIAL, an adaptive learning management system that housed filtered knowledge from all imaging subspecialties and over time will deliver a customized curriculum to the end-user, the resident, the fellow, and the faculty, using deep learning algorithms. Another innovation, Intelligent Tutor, connects the LMS to point-of-care through a push-notification device. She is known as an exceptionally engaged educator with superior communication skills who demonstrates genuine interest in her trainees.

**Rachel Gallagher Rempell, MD***Associate Professor of Clinical Pediatrics*

Dr. Rempell is a national expert and thought leader in the burgeoning field of pediatric bedside ultrasound and is helping to advance the field. She is a founding member of the Pediatric POCUS (point of care ultrasound) P2 organization which serves as the US and Canadian premier collaborative group driving policy and research agendas in that area. In her division, she is the Associate Director of Bedside Ultrasound as well as the Fellowship Director for the fellowship in pediatric emergency bedside ultrasound. Her clinical skills and judgment, her bedside manner, and her fund of knowledge are widely admired. She is an equally admired educator. In 2018, she received the teaching award from the pediatric emergency medicine fellows.

**Maria Carolina Reyes, MD***Associate Professor of Clinical Pathology and Laboratory Medicine*

Dr. Reyes is recognized internationally for her gynecologic pathology expertise. She has served as Director of the gynecologic pathology subspecialty group since 2015. In 2016, she received the International Society of Gynecologic Pathologists Robert E. Scully Award for her paper describing secondary involvement of the adnexa/uterus by endocervical adenocarcinoma. In 2019, she was named Director of the surgical pathology fellowship, one of the largest programs of its kind in the country. In 2014, she received the James E. Wheeler teaching award for excellence in teaching anatomic pathology. At the 2020 Annual USCAP meeting, she was recognized for being an “Honored Mentor”, a mentor who has helped transform a trainee’s life and career through mentorship.

**Todd William Ridky, MD, PhD***Associate Professor of Dermatology*

Dr. Ridky has made seminal contributions to the fields of cancer biology and organogenesis. He is recognized nationally and internationally for his basic and translational research on addressing fundamental questions in skin biology, especially as related to skin cancer, and developing targeted therapeutics that lead to human trials and new treatments. He has also made novel insights into the role of sex hormones in controlling pigmentation and melanoma outcomes. He has a successful record of funding for his research. He is deeply committed to teaching and mentoring. He teaches medical students, dental students, graduate students, and residents. He co-directs Cancer Biology and Genetics, a required core course for first-year cancer biology graduate students.

**James L. Riley, PhD**

*Professor of Microbiology*

Dr. Riley is a highly productive investigator in the field of T cell biology research. He studies the molecular mechanisms that control T cell activation and how to apply the knowledge from these basic science studies to engineer T cells to combat autoimmune disease, HIV and cancer. Recent breakthroughs include the development of a new chimeric antigen receptor, currently in human testing, and the development of a key medium for T cell growth, a crucial step in advancing the application of engineered T cells for human treatment. He has contributed peer-reviewed publications in high impact journals including *Science Translational Medicine*, *The Journal of Clinical Investigation*, and *The New England Journal of Medicine*. He is a member of the American Association of Immunologists and the American Society of Gene and Cell Therapy.

**Michael Riley, MD, PhD**

*Associate Professor of Clinical Medicine*

Dr. Riley is a superb clinician and excellent teacher. He has established an outstanding regional reputation as a skilled cardiac electrophysiologist in the Division of Cardiology. He specializes in the treatment of patients with complex cardiac arrhythmias and sudden cardiac death. He performs complex ablation procedures in patients with life-threatening cardiac arrhythmias, atrial fibrillation, and other supra-ventricular arrhythmias at a variety of locations in the Penn Medicine Healthcare System. Since 2012, he has been the Director of HUP Electrophysiology Clinical Service. Dr. Riley's clinical teaching occurs in the HUP EP lab working directly with the HUP EP fellows a few days each week. He provides a weekly didactic lecture during the Electrophysiology Morning Conference and actively participates in daily case presentation discussions. This venue is an integral part of the fellowship educational program and one referenced as a source of his teaching excellence. Since 2015, he has been the Director of the HUP Cardiology Recovery Area (CRU). He also serves on a variety of committees that focus on quality and safety. He chairs the multidisciplinary HUP Heart and Vascular Service Line CEQI monthly meeting that reviews quality improvement efforts across the entire HVS service; this includes Cardiovascular Medicine, Cardiac Surgery, and Vascular Surgery. Additionally, he has been a member of the Atrial Fibrillation and DVT prophylaxis committee for Penn's Cardiac Surgery Quality Improvement Committee. He is a Fellow of the American College of Cardiology and American Heart Association.

**Mark D. Rizzi, MD**

*Associate Professor of Clinical Otorhinolaryngology: Head and Neck Surgery*

Dr. Rizzi is a regionally and nationally recognized expert in the field of pediatric general otolaryngology and rhinology, particularly the care of children with complex sinonasal inflammatory disease. He is widely recognized as an excellent communicator and a thoughtful and careful clinician.

He has been the Director of Resident Education for the division since 2019 and is known for his ability to achieve a balance between promoting autonomy among trainees and providing direct instruction. He is an excellent teacher in the clinic and in the OR. He is recognized as a role model for professionalism. He has served as a reviewer for peer-reviewed otolaryngology journals and helped write consensus guidelines for choanal atresia.

**Christina Roberto, PhD**

*Associate Professor of Medical Ethics and Health Policy*

Dr. Roberto is an international expert and thought leader in the science of food policy. Her research integrates behavioral economics, psychology, and marketing to study interventions that change behaviors and impact public policy. She and her colleagues in the PEACH Lab (Psychology of Eating and Consumer Health Lab) work collaboratively with policymakers and influencers to identify important areas of research that contribute to advancing health related behavioral policies. Her use of strategic science has led to policy changes in important issues such as front-of-package food and menu labeling, the effects of restaurant menu labeling on consumer purchasing and consumption, and child-targeted marketing of unhealthy foods. She conducted groundbreaking work on the effects of the Philadelphia soda tax. Her research has also led to changing diagnostic criteria for anorexia nervosa in the new version of the *Diagnostic and Statistical Manual of Mental Disorders*. She has a successful record of funding and scholarship. She is an outstanding teacher who makes significant contributions to the master of public health program.

**Lindsay S. Rogers, MD**

*Associate Professor of Clinical Pediatrics*

Dr. Rogers is a highly accomplished pediatric cardiologist with clinical expertise in echocardiography including transthoracic echo, transesophageal echo and fetal echo. She is known for her extraordinary clinical and communication skills and her high level of professionalism. She makes significant contribution to education. In 2018, she became the Director of Education for the CHOP Echocardiography Laboratory. In 2020, she was named Associate Director for the Pediatric Cardiology Fellowship Program. That same year, she was elected to the CHOP Pediatric Residency Faculty Honor Roll and also received the Paul Weinberg Pediatric Cardiology Fellowship Teaching Award. Her innovative teaching practices are having a positive impact on trainees.

**Benjamin L. Rubin, MD**

*Associate Professor of Clinical Anesthesiology and Critical Care*

Dr. Rubin is a dedicated clinician and excellent teacher. He delivers care to non-cardiac surgical patients at the Philadelphia VAMC and HUP. He has expertise in advanced awake airway management, anesthesia for thoracic surgery, vascular surgery, and oncological surgery. He spends the majority of his instruction time teaching residents and medical students in the operating rooms of the Hospital of the University of Pennsylvania. He also participates in the didactic series of the department. Dr. Rubin also coordinates joint recruitment candidates between Penn Anesthesiology and the VAMC. As the appointed Chief of Anesthesiology at the Philadelphia VAMC, he has received special recognition from the Office of Inspector General for exemplary oversight and accountability standards. In 2019, Dr. Rubin was personally awarded the Challenge Coin for Outstanding Service to the Veterans and Operations by Secretary of the VA, Robert Wilkie. In August of 2020, while still maintaining his role as Chief of Anesthesiology at the VA, Dr. Rubin was appointed as Lead Anesthesiologist/Chief Anesthesia Consult for Veterans Integrated Service Network (VISN) 4. In this role, he oversees clinical outcomes, standards of care, and best practices as well as providing support for graduate medical and/or nursing education programs for all seven hospitals in VISN 4 (all VAMC's within Pennsylvania and Delaware) overseeing the safe and effective delivery of anesthesiology services to Veterans.

**Julia Shaklee Sammons, MD, MSCE**

*Associate Professor of Clinical Pediatrics*

Dr. Sammons is an excellent clinician, teacher, and hospital administrator. Her clinical activities have been focused on the inpatient setting, specifically the immunocompromised infectious disease inpatient service, particularly clinical expertise in the epidemiology and prevention of healthcare-associated infections (HAI) and *C. difficile* infection. In 2019, she was appointed Medical Director of CHOP's newly established Harm Prevention Program. In 2021, she was named Assistant Vice President, Systems Preparedness, Prevention and Response at CHOP. This position recognizes her leadership in influencing meaningful change in the realms of patient safety and quality improvement at CHOP. In 2020, she received the Alan R. Cohen Master Clinician Award. She has led educational and programmatic efforts at CHOP in order to respond to new and re-emerging pathogens, including measles, MERS, Coronavirus, and Ebola virus disease.

**Monika Sanghavi, MD**

*Associate Professor of Clinical Medicine*

Dr. Sanghavi is a dedicated and knowledgeable cardiologist and is currently the Director of the Inpatient Cardiology Consultation Service. She specializes in Women's Cardiovascular health and prevention and has become a recognized expert who has been invited to lecture on this topic at the local and national level. She has also become a leader at Penn in career development for female physician trainees and faculty, and for female cardiologists nationally through her work with the American Heart Association. Currently, she serves as the Pennsylvania ACC Women in Cardiology Eastern Representative and on the National American Heart Association Women in Cardiology Committee. She has organized and moderated several mentoring and leadership development events, including a highly subscribed mentoring session at the American Heart Association Scientific Sessions in Philadelphia in 2019. She is a member of American College of Cardiology, American Society of Preventative Cardiology.

**Wudbhav N. Sankar, MD**

*Professor of Orthopaedic Surgery—Clinician-Educator*

Dr. Sankar is an outstanding clinician, educator and investigator. He is widely known for his expertise in pediatric orthopaedic surgery, particularly complex hip disorders, spinal deformities, and pediatric orthopaedic trauma. He founded and leads the young adult hip preservation program at CHOP, the only center of its kind in the region that provides comprehensive care, including the full complement of multidisciplinary services, to transitional aged patients. He has contributed peer-reviewed publications in leading journals in his field. In 2019, he received the Special Effort and Excellence Award from the Pediatric Orthopaedic Society of North America. He is Director of education for the division of orthopaedics at CHOP and co-Director of the pediatric orthopaedic fellowship program. He has had a number of leadership positions in the Pediatric Orthopaedic Society of North America.



**Theodore D. Satterthwaite, MD, MA**

*Associate Professor of Psychiatry*

Dr. Satterthwaite has made numerous and impactful contributions to the field of developmental neuroscience and neuroimaging. He uses multi-modal neuroimaging, network science, and machine learning tools to study normal patterns of brain development. The goal is to link dysfunction in brain circuits to symptoms of mental illness such as irritability, executive dysfunction, impulsivity, and anhedonia. He uses data from the Philadelphia Neurodevelopmental Cohort, a large-scale study of brain development, as the basis of much of his research. In 2015, he was named Director of Image Analysis in the Center for Neuroimaging in Psychiatry. He has contributed peer-reviewed publications in prestigious journals. He received the Martin P. Szuba Award for Excellence in Teaching and Research in 2016, the Albert Stunkard Faculty Recognition Award for Clinical Education in 2017, and the Dean's Award for Excellence in Basic Science Teaching in 2018.

**Carla R. Scanzello, MD, PhD**

*Associate Professor of Medicine—Clinician-Educator*

Dr. Scanzello's innovative research on the pathogenesis and treatment of osteoarthritis is advancing the field. She focuses on understanding the molecular stimuli and clinical consequences of synovial inflammation in osteoarthritis (OA) and meniscal injury. The goal of her research is to develop novel anti-inflammatory strategies to reduce pain and disability from OA. She has been continuously funded since her fellowship. She has served as section chief of rheumatology at the Corporal Michael J. Crescenz Veterans Affairs Medical Center since 2016 and Co-Director of the Translational Musculoskeletal Research Center at the VA since 2020. Her scholarly contributions are in leading journals in her field, including *Arthritis & Rheumatism* and *Osteoarthritis and Cartilage*. She is a member of the editorial boards of *Osteoarthritis & Cartilage* and *Frontiers in Immunology: Molecular Innate Immunity*.

**Robert D. Schaller, DO**

*Associate Professor of Clinical Medicine*

Dr. Schaller is a regional and national clinician with expertise in percutaneous lead extraction. He is trained in laser lead extraction, a critical technique required to care for a large population of patients with pacemakers and ICDs. Dr. Schaller is the Director of the Clinical Research Program: Device Trials as well as the Director of the Lead Extraction Program at HUP. He sees patients with cardiac arrhythmias and performs diagnostic and therapeutic cardiac electrophysiology procedures. Dr. Schaller teaches and supervises medical students, housestaff and cardiology and electrophysiology fellows. He supervises general cardiology fellows and cardiac EP subspecialty fellows at HUP. He is an active participant in the formal lectures to the CCU and HF teams regarding EP concepts and actively teaching on the CCU service and bedside teaching rounds. He has given frequent talks around the country, including annually at the Heart Rhythm Society Scientific Sessions and at other lead management symposia. His publications include the development of lead extraction techniques that enhance safety, including use of intracardiac echocardiography during extraction procedures and testing strategies to avoid vascular injury. He serves on the editorial board of Heart Rhythm Case reports, where he is the lead extraction expert.

**Rolf A. Schlichter, MD**

*Professor of Clinical Anesthesiology and Critical Care*

Dr. Schlichter is an excellent clinical anesthesiologist and educator. He has focused his clinical efforts in general anesthesia, with a specific focus in the area of neuro and obstetrical anesthesia at HUP. He provides anesthesia and supervises residents on call for trauma, obstetrical, and other non-cardiac services. As Block Chief for Neurosurgery and Interventional Radiology, Dr. Schlichter serves as the primary point of contact for complex cases and his protocols are regularly consulted by fellow colleagues and trainees within and outside the institution. As a leader in education, he coordinates the neuroanesthesia resident and fellow bloc lecture series with a focus on complex patient cases. He has worked to improve operations and delivery of patient care. Some of his improvements include the creation and implementation of new Stroke guidelines for neuroradiology, expanded CRNA staffing in radiology, and the procurement of anesthesia supplies in line with perioperative services for Neuro and Body Interventional Radiology, CT Scanner, and MRI suites.

**Courtney A. Schreiber, MD, MPH**

*Professor of Obstetrics and Gynecology—Clinician-Educator*

Dr. Schreiber is an influential authority nationally and internationally in women's reproductive health. She focuses on patient-oriented clinical and translational discovery in the areas of abnormal and unintended pregnancy prevention and treatment. She has been chief of the division of family planning and the Director of PEACE, the Pregnancy Early Access Center, since 2017. PEACE provides access to comprehensive and compassionate care for individuals seeking family planning care and management of pregnancy complications. She is the leading independent investigator in her field. She has served as the Research Director for the prestigious NIH-funded training program "Building Interdisciplinary Research Careers in Women's Health (BIRCWH) K12 Program" since 2018. The results of her randomized trial using mifepristone as pre-treatment in the medical management of miscarriage published in *NEJM* in 2018 have changed the standard of care for hundreds of thousands of women in the United States who experience miscarriage each year. In 2019, she received the Clinical Research Forum Top 10 Clinical Achievement Award.

**James M. Schuster, MD, PhD**

*Professor of Neurosurgery—Clinician-Educator*

Dr. Schuster is a nationally prominent neurosurgeon who is an expert in the surgical care of patients with complex spinal disorders including degenerative scoliosis, metastatic tumors and spinal trauma. He integrates his research and clinical activities, focusing on spinal oncology and minimally invasive/navigated surgery. He has served as Associate Director of neurocritical care-trauma at the HUP since 2008 and Chief of Service for neurosurgery at PPMC since 2015. He has maintained a database for every traumatic spinal industry at Penn Medicine for the last five years. The database has approximately 1400 patients and has been a resource for publications and ongoing projects. He has contributed peer-reviewed publications in leading specialty journals in his field. He has been program director of the neurosurgery residency program since 2008. In 2018, he received the Robert Dunning Dripps Memorial Award for Excellence in Graduate Medical Education.

**Lauren E. Schwartz, MD**

*Associate Professor of Clinical Pathology and Laboratory Medicine*

Dr. Schwartz is an outstanding surgical pathologist who provides invaluable clinical service in the areas of gynecologic and genitourinary pathology. In 2018, she was selected by the *Pathologist* magazine for the “Power List” which highlighted the “best and most powerful advocates of pathology.” She is an equally outstanding educator. From 2014-19, she was the Associate Director of the department’s Residency Training Program. In that role, she implemented significant changes in the surgical pathology rotation that not only improved resident education but also provided for better turnaround time for subspecialty surgical pathology cases. The program is a model for other residency programs. In 2019, she was named Associate Director of Quality and Director of Anatomic Pathology Quality.

**Kevin R. Scott, MD**

*Associate Professor of Clinical Emergency Medicine*

Dr. Scott is an excellent role model and educator. He splits time evenly between the Emergency Rooms at the Hospital of the University of Pennsylvania (HUP) and Penn-Presbyterian Medical Center (PPMC). In these high-volume settings, he cares for a complex and diverse patient population. He also participates in clinical teaching, primarily of medical students and Emergency Medicine residents, but also trainees from other disciplines rotating in the ED, including Podiatry, Family Medicine, Internal Medicine, Orthopaedic Surgery, Anesthesiology, Psychiatry and OBGYN. In 2016, he was then appointed as the Assistant Residency Director for Emergency Medicine, where he is responsible for the design and implementation of the didactic curriculum. In 2019, he became the Director, Education Scholarship Fellowship, Department of Emergency Medicine, which will further increase his impact on the educational mission and success of his department. Dr. Scott’s expertise has earned recognition at the national level, with his membership and lecture series through the Council of EM Residency Directors (CORD). He has also served on several subcommittees of this national group.

**Mark J. Seamon, MD**

*Professor of Surgery—Clinician-Educator*

Dr. Seamon has had a major impact on the fields of trauma and acute care surgery. His research complements his clinical activities and focuses on the clinical management of complex penetrating injuries and outcomes from extreme injury. He has contributed numerous peer-reviewed publications in leading journals including *Annals of Surgery* and *The Journal of Trauma and Acute Care Surgery*. He is a Fellow of the American College of Surgeons. He received the Patrick M. Reilly Trauma Teaching Award in 2016 and 2017. He has been the Advanced Trauma Life Support course director since 2016 and the Director of Education at Penn Presbyterian Medical Center since 2018. He is Chair of the Manuscript in Literature Review Division of the Eastern Association of the Surgery of Trauma, the largest trauma organization in the world.

**Alix E. Seif, MD, MPH**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Seif, an accomplished clinician and researcher in the field of stem cell transplantation, is an expert in drug development, hematopoietic stem cell transplant (HSCT), and acute leukemias. Her translational and epidemiological research focuses on manipulating the human innate and immune systems to treat children with acute lymphoblastic leukemia (ALL) with the goal of identifying innate and adaptive immune mechanisms that can be used to develop more effective and less toxic therapies. In 2016, she was named the Richard and Sheila Sanford Endowed Chair in Pediatric Oncology at CHOP. She publishes her research in prominent journals in her field. She is an outstanding teacher of medical students, pediatric residents, and hematology/oncology fellows in the inpatient and outpatient settings. She was named to the Early Career Faculty Honor Role at CHOP in 2016 and she received the Distinguished Teaching Award for Oncology from the CHOP hematology/oncology fellows in 2018.

**John T. Seykora, MD, PhD**

*Professor of Dermatology*

Dr. Seykora is a leading independent and collaborative academic dermatopathologist who has advanced the knowledge of cutaneous carcinogenesis. He studies the role of oncogenes in squamous cell carcinogenesis (SCC) and the mechanism by which the antifungal agent voriconazole stimulates the development of SCC. He has made seminal contributions regarding the development of novel approaches for prevention and therapy of skin cancers. He has had continuous grant support for his research. In 2017, he founded the highly successful community outreach program for underprivileged high school students called the Penn Academy for Skin Health (PASH) that introduces selected students each year to dermatology, laboratory medicine, and medicine in general. In 2019, he received the Dean's Award for Excellence in Basic Science Teaching.

**Divya K. Shah, MD, MME**

*Associate Professor of Clinical Obstetrics and Gynecology*

Dr. Shah is an exemplary clinician and a transformative leader in the department of obstetrics and gynecology and in PSOM in her role as a pre-clinical course director and now Director of Undergraduate Education. She has established a busy reproductive endocrinology and infertility practice primarily at Penn Fertility Care Radnor. She is a gifted and inspiring educator. In 2016, she was appointed Course Director for the Reproduction Unit, a required 3-week course for first year medical students. She has single-handedly transformed this course. She was named Outstanding Teacher of the Year in the Reproductive Unit in 2016 and 2017. She received the Leonard Berwick Memorial Teaching Award and the Penn Pearls Clinical Teaching Award in 2020. At the national level, she designed and launched an online continuing medical education course of Fertility Preservation through a unique collaboration between the American Society of Reproductive Medicine and the Oncofertility Consortium.

**Skandan Shanmugan, MD**

*Associate Professor of Clinical Surgery*

Dr. Shanmugan is an excellent, innovative, highly productive surgeon whose patient care focuses on all aspects of colorectal surgery, with a special emphasis on enhanced recovery after surgery pathways and minimally invasive surgery with laparoscopy, robotics and trans anal minimally invasive surgery. He is the co-Director of Enhanced Recovery after Surgery, Section Chief of the division of colon and rectal surgery at PPMC, Director of the Robotic Rectal Cancer Center at PPMC, and the Associate Program Director of the colon and rectal surgery fellowship. He is a highly valued and respected teacher and mentor who provides an extensive learning experience. He is known as an excellent role model of meticulousness and investment in his service.

**Neil Perry Sheth, MD**

*Associate Professor of Orthopaedic Surgery—Clinician-Educator*

Dr. Sheth is an outstanding academic orthopaedic surgeon who is renowned nationally and internationally for his expertise in total joint arthroplasty, his scholarly contributions that have changed practice, and his leadership in education locally and nationally. His research interests focus on revision total hip replacement surgery, healthcare policy, cost containment, and health economics. He is also widely known for his substantial contributions to global work in Sub-Saharan Africa, particularly Tanzania. In addition to providing hands-on orthopaedic care, he has participated in infrastructure development that focused on providing care for the underserved. Since 2013, he has led teams of individuals from the Penn community and beyond in a collaboration with the Kilimanjaro Christian Medical Center and the Tanzanian Health Ministry to create an orthopaedic center of excellence in Moshi. He is a fellow of the American Orthopaedic Association and the American College of Surgeons. He is a highly respected educator at the national level. He moderates and runs the joint arthroplasty section at the annual American Academy of Orthopaedic Surgeons board review course. He is a member of the AAHKS Humanitarian Committee.

**Adam M. Shiroff, MD**

*Professor of Clinical Surgery*

Dr. Shiroff has distinguished himself as an excellent clinician who is dedicated to his patients and to the education of future generations of surgeons and intensivists. He is the Director of the multi-specialty Penn Center for Chest Trauma at PPMC and, within that center, his own Chest Wall Reconstruction after Injury program which has brought an entirely new stream of patients into Penn Medicine, with second opinions being sought from patients nationally and internationally. He was a founding member of the Chest Wall Injury Society, an international surgical society, and serves on the Board of Directors. He has innovated new surgical equipment for minimally invasive rib fracture fixation here at Penn and he won the Penn Center for Innovation device accelerator award to bring this technology to fruition. He excels as a teacher in the OR, on the wards, and in the clinic.

**Aseem Shukla, MD**

*Professor of Urology in Surgery—Clinician-Educator*

Dr. Shukla has contributed significantly to the fields of minimally invasive surgery and bladder exstrophy as well as to global health. His research focuses on robotic-assisted laparoscopy, urinary reflux, hydronephrosis, urinary tract reconstruction, hypospadias, and disorders of sexual differential. He is active in developing pediatric urology as a discipline globally and serves as a physician lead for CHOP Global Medicine. In that role, he provides consultation and strategic input in developing opportunities for partnerships and collaborations that serve to increase access to pediatric healthcare services in South Asia and the Gulf Region. In 2019, he received the Hero Award for Record of Service with the India Bladder Exstrophy Collaborative, Touch of Life Fund. He is a gifted and dedicated teacher and mentor of medical students, residents, and fellows. He is an active member of the American Urological Association and the Society of Pediatric Urology.

**Allan F. Simpao, MD, MBI**

*Associate Professor of Anesthesiology and Critical Care—Clinician-Educator*

Dr. Simpao is a highly respected pediatric anesthesiologist and clinical informatician who is recognized nationally for his innovative research in anesthesia informatics and analytics, perioperative outcomes studies, and novel uses for electronic health record data. He is also an excellent clinician who is one of the few who provides anesthesia to women during fetal procedures in the CHOP Center for Fetal Diagnosis and Treatment. He is also known for his top-notch expertise with pediatric difficult airway management and ultrasound-guided vascular access and regional anesthesia. Dr. Simpao is Co-Director of the Biomedical Informatics Program in the CHOP Department of Anesthesiology and Critical Care Medicine, the first pediatric anesthesia informatics research group in the United States that consists of a team of anesthesiologist-informaticians, PhD informatics and analytics researchers, data and computer scientists, biostatisticians and research support personnel. He served as an associate editor of *Anesthesiology*, one of the highest impact anesthesia journals. He is Treasurer for the Society for Technology in Anesthesia, an active member of the American Society of Anesthesiologists, and Secretary of the Biomedical Informatics Special Interest Group of the Society for Pediatric Anesthesia.

**Michael W. Sims, MD, MSCE**

*Associate Professor of Clinical Medicine*

Dr. Sims has distinguished himself as a clinical expert in chronic obstruction pulmonary disease (COPD). In his leadership role as Clinical Director of the COPD Program, he serves as the primary point of physician contact for referrals to the program and is recognized as an expert in the management of advanced COPD, including the evaluation of patients for both surgical and bronchoscopic lung volume reduction. He is also the Medical Director of BreatheBetter Together, a hospital to home transition program that facilitates the development and implementation of personalized home-based interventions. He is an exceptional clinician who receives very high patient satisfaction ratings. He is a highly valued, dedicated teacher and mentor.

**Sunil Singhal, MD**

*William Maul Measey Professor in Surgical Research*

Dr. Singhal is an outstanding physician-scientist who has made groundbreaking contributions to research in immunotherapy for thoracic malignancies and intraoperative imaging for cancer surgery. His research focuses on optimizing surgical treatment of tumors and leveraging the immune system to prevent both local and systemic recurrences shortly after surgery. His group developed the first robust system in the world to image intraoperatively tumors including breast and lung cancer, melanoma, thymic carcinomas and sarcomas. He has recently expended his research to focus on preventing systemic cancer recurrences using basic and translational aspects of tumor immunotherapy. In 2015, he became Surgical Director of the Penn Pleural Center and Director of the Center for Precision Surgery of the Abramson Cancer Center. He has an exceptional record of funding and scholarship.

**Ariana L. Smith, MD, SM**

*Professor of Urology in Surgery—Clinician-Educator*

Dr. Smith is a clinical expert in female urologic issues, pelvic health and bladder dysfunction, specifically diagnosis and treatment of lower urinary tract dysfunction and pelvic floor disorders in women. She also sees women who have had failed previous urologic procedures. She performs some robotic procedures, offers advanced bladder testing for men and women to solve the most challenging cases and provides the newest, most advanced treatment options available including clinical trials. She serves as the Director of Pelvic Medicine and Reconstructive Surgery and Chief of Urology at Pennsylvania Hospital. Dr. Smith pursues research investigations related to pelvic health, specifically via a focus on the study of overactive bladder. She has studied the impact of bladder dysfunction in women with multiple sclerosis. She is greatly involved in the Pelvic Floor Disorders Network, through which she runs clinical trials at Penn and develops protocols for future clinical trials. Dr. Smith was elected to the Society of Urodynamics, Female Pelvic Medicine & Urogenital Reconstruction (SUFU) Board of Directors in 2020, previously serving as a liaison to the SUFU Board of Directors as Chair of the Young Member Committee. She is a charter member of the SUFU Young Member Committee, which was established in 2014 to serve the early career members of SUFU. She is also a founding member of the SUFU Research Network.

**Kerri Akaya Smith, MD**

*Associate Professor of Clinical Medicine*

Dr. Smith is an excellent physician and expert with pulmonary vascular diseases and other related advanced lung diseases. She performs right heart catheterizations one half day a week and attends in the medical intensive care unit at HUP. Dr. Smith has established a referral practice based on her own reputation and is the “go-to” person for faculty at Penn Medicine for referrals, curbside consultations, and second opinions for patients with various primary and secondary causes of pulmonary hypertension. As Medical Director of the HUP Pulmonary Hypertension Program, the pulmonary hypertension patient volume more than doubled, and she created an inpatient pulmonary hypertension consult service at HUP to provide specialized care for these complex patients. She is currently the Clinical Director of the Pulmonary Hypertension/Pulmonary Vascular Disease Program and the program has doubled its size since she assumed this role. She is the recipient of the Robert L. Mayock & Alfred P. Fishman Teaching Award and Pulmonary Hypertension Center of Excellence.

**Steven E. Sobol, MD, MSc**

*Professor of Otorhinolaryngology: Head and Neck Surgery—Clinician-Educator*

Dr. Sobol is an internationally prominent pediatric otolaryngologist who is an expert in the treatment of children with complex pediatric aerodigestive disorders such as laryngeal clefts, laryngotracheal stenosis, and dysphagia. His research has advanced the standard of care. He has contributed peer-reviewed publications in leading journals including the *American Journal of Otolaryngology*, *Pediatrics*, and *Otolaryngology -- Head and Neck Surgery*. He has been Director of the pediatric otolaryngology fellowship program since 2012. Under his leadership, the program has become one of the top three in the country. He is an active member of several professional and scientific societies.

**Meredith A. Spindler, MD**

*Associate Professor of Clinical Neurology*

Dr. Spindler is an astute clinician, with an expert niche in technology. She is considered an outstanding teacher and one of the top Parkinson's disease and Movement Disorders physicians in the region, especially in the use of Deep Brain Stimulation. She also has gained regional and national recognition as an expert in the use of neurology telehealth, serving as a local resource as Penn Neurology developed their telehealth capabilities and as a member of a national task force for the American Academy of Neurology. She serves as the Director of Clinical Operations of the Parkinson's Disease and Movement Disorders Center and the Director of the Deep Brain Stimulation Multidisciplinary Clinic. She lectures widely on movement disorder topics and is a national leader in implementation of telemedicine for neurologic disorders, an expertise she developed pre-COVID that became even more critically important in recent years. She is the site Principal Investigator for a number of multi-center clinical research trials aimed at improving the care for patients with Parkinson's and other neurologic movement disorders. Dr. Spindler provides lectures in the didactic series for residents in neurology at the Hospital of the University of Pennsylvania (HUP) and Pennsylvania Hospital (PAH) and internal medicine residents at HUP. She also teaches facilitated learning sessions for medical students and lectures in the Brain and Behavior course.

**Sindhu Srinivas, MD, MSCE**

*Professor of Obstetrics and Gynecology—Clinician-Educator*

Dr. Srinivas is a productive and innovative investigator in the field of obstetric outcomes and quality and safety. Her research focuses on evaluating innovative health care delivery strategies to improve maternal outcomes, studying and developing obstetric quality measures as well as understanding the impact of practice changes on maternal and neonatal outcomes, and understanding the etiology of racial/ethnic disparities in maternal and neonatal outcomes. She has contributed numerous peer-reviewed publications in high profile journals. In 2019, she received the Alfred Stengel Health System Champion Award. She also makes substantial contributions as an educator and mentor of medical students, residents, fellows, graduate students and clinical scholars. She has received a number of teaching awards. She is active in the Society for Maternal Fetal Medicine and has been a member of the Board of Directors since 2018. She is the co-founder and Medical Director of Heart Safe Motherhood.

**Arun K. Srinivasan, MBBS, MRCS**

*Associate Professor of Surgery—Clinician-Educator*

Dr. Srinivasan is a leading expert in minimally invasive surgery in pediatric surgery, particularly robotic and laparoscopic urologic reconstruction in children with complex anomalies and endoscopic stone surgery in children. He has been Co-Director of the Pediatric Kidney Stone Center at CHOP since 2012. He focuses on the development of new techniques in minimally invasive surgery, novel tools in management of voiding dysfunction and neurogenic bladders, and design and development of new diagnostic and therapeutic devices in urology. His cutting-edge clinical research in pediatric urology has influenced the clinical management of patients. He is a reviewer for all of the major journals in urology and endourology. He is a highly regarded teacher and mentor of residents and fellows. He co-directs the International Robotic Urology Symposium, an annually run course by CHOP urology for pediatric urology faculty around the world.



**Vijay Srinivasan, MBBS, MD**

*Associate Professor of Anesthesiology and Critical Care—Clinician-Educator*

Dr. Srinivasan is a highly accomplished leader in pediatric critical care medicine, particularly in the areas of ICU nutrition and endocrinopathies. He has led or participated in multiple significant multi-institutional studies, including the seminal and highly cited Heart and Lung Failure–Pediatric Insulin Titration (HALF-PINT) multi-center study of tight glucose control in critically ill children published in the *New England Journal of Medicine* in 2017. He co-founded and leads the pediatric ICU Nutrition Team in partnership with nurse practitioners, nurses, and dietitians to enhance nutrition therapy for critically ill children and to provide a research infrastructure at CHOP for the study of critical illness nutrition in children. In 2020, he received a Presidential Citation from the Society of Critical Care Medicine (SCCM). He is an Advisory Dean for PSOM medical students. He has received the Jean A. Cortner Divisional Teaching Award from his department four times.

**Lisa J. States, MD**

*Professor of Clinical Radiology*

Dr. States is outstanding in her field. She focuses on pediatric body imaging and molecular imaging. She has a national and international presence and reputation in the pediatric oncologic imaging and nuclear medicine community. She is the Director of the section of oncology imaging in the division of body imaging. In 2019, she was named Endowed Chair for Molecular Imaging. On the national level, she continues to be a regularly invited speaker on pediatric nuclear medicine at the Society for Nuclear Medicine and the Society for Pediatric Radiology. She is the President of the Pediatric Imaging Committee. She is an equally impressive educator. Her clinical teaching directly impacts the education of nurse practitioners, technologists, pediatricians, in addition to radiology residents, fellows, and faculty. An innovative feature of her work on structured reports for pediatric tumors has become an effective teaching tool for pediatric radiology trainees and oncology fellows.

**Suleman Surti, PhD**

*Research Professor of Physics and Instrumentation in Radiology*

Dr. Surti is a nationally and internationally recognized expert for his science and leadership in positron emission tomography (PET) instrumentation and quantitative imaging methods for nuclear. His investigations focus on the physical limitations of the PET systems and on the development and measurements on completed PET scanners to validate the physical models and to optimize the imaging performance. His research on the evaluation of the impact of time-of-flight (TOF) information measurement on the image quality of PET has influenced the development of new technologies for PET scanners. Although not required, he has taught at Penn for the entirety of his faculty appointment. He teaches radiology residents and fellows, as well as graduate students in physics and bioengineering. Dr. Surti has served as the Instrumentation Sub-Chair for the Physics, Instrumentation and Data Sciences track at the annual Society of Nuclear Medicine and Molecular Imaging meeting since 2018. He is a member of the Steering Committee for the IEEE Transactions on Medical Imaging Journal and Chair of the Steering Committee for the IEEE Transactions on Radiation and Plasma Medical Sciences Journal.

**Jakub Svoboda, MD**

*Associate Professor of Medicine--Clinician-Educator*

Dr. Svoboda is a nationally recognized expert in lymphoma, particularly Hodgkin disease and aggressive lymphoma. He has designed and led numerous clinical trials, including the first-in-human use of non-viral anti-CD19 CART T-cell therapy for Hodgkin lymphoma. He is the co-chair of the Lymphoma Tumor Board and Case Conference. He has contributed peer-reviewed publications in prestigious journals including *Blood*, *New England Journal of Medicine*, *Journal of Clinical Oncology*, and *Clinical Cancer Research*. He is a significant contributor to education and mentoring in the clinical environment as well as in clinical research projects. In 2019, he received The John Glick, MD Prize for Teaching Excellence. He is an active member of the National Comprehensive Cancer Network and the American Society of Hematology.

**Kai Tan, PhD**

*Professor of Pediatrics*

Dr. Tan is an influential national and international leader in the field of computational biology and experimental genomics. He has pioneered the development of novel computational strategies and systems biology to identify molecular events that drive cancers. He and his team develop algorithms to analyze next generation sequencing data and gene network data to generate hypotheses about molecular targets for new treatments. He also studies the development pathways of hematopoietic stem cells, comparing mechanisms that regulate gene expression in healthy and cancerous cells to gain insight into cancer's differences and weaknesses. He has a successful record of funding and scholarship. He is an editorial board member of *BMC Genomics* and *Genome Biology*. He is a regular member of the NIH Genomics, Computational Biology and Technology Study Section. In 2016, he was named a Kavli Frontiers of Science Fellow of the National Academy of Sciences.

**Janos L. Tanyi, MD, PhD**

*Associate Professor of Obstetrics and Gynecology—Clinician-Educator*

Dr. Tanyi is a national leader in the field of immunotherapy for ovarian cancer. He is a highly productive gynecologic surgeon whose clinical interests include complex gynecologic procedures in advanced ovarian, fallopian tube and primary peritoneal malignancies. He has received the Health Care Hero Award for outstanding patient care multiple times. His innovative clinical and translational research focuses primarily on tumor immunology and immunotherapy. He has made advances in the clinical application of CAR T cell therapy for solid tumors, particularly gynecologic cancers. He has led investigator-initiated clinical trials. He has a consistent and impressive record of grant support. He has contributed peer-reviewed publications in prestigious journals. He is a Fellow of the American College of Obstetrics and Gynecology.

**Paul J. Tapino, MD**

*Professor of Clinical Ophthalmology*

Dr. Tapino is a highly skilled clinician who is known for his exceptional acumen and judgment. He is a comprehensive ophthalmologist and an expert in the effects of diabetes on ophthalmologic health. He has made outstanding contributions to the educational mission of the department and Penn Medicine. He has served as Residency Program Director since 2010. He has created a strong learning curriculum for residents, one that not only helps them achieve the clinical competency milestones, but also prepares them for a career beyond their training. He is known for his exceptional attention to detail, innovative thinking, and enthusiasm for his work. He was named Vice Chair for Education in 2017. He has received multiple teaching awards including the Jeffrey W. Berger Golden Apple Teaching Award in 2012 and 2017 and the Giovan Giacomo Giordano NIAF Lifetime Achievement Award in 2015.

**Gregory E. Tasian, MD, MSc, MSCE**

*Associate Professor of Urology in Surgery*

Dr. Tasian is an outstanding academic urologist who focuses on nephrolithiasis among children and adults and chronic kidney disease with children with congenital abnormalities of the kidney and urinary tract. He founded and directs the Pediatric Kidney Stone Center at CHOP. The center has a multidisciplinary team who provide comprehensive surgical, medical, and nutritional care for children with stone disease, a rapidly increasing disease among children and adolescents. He has an impressive record of continuous NIH funding. In 2016, he received the prestigious American Society for Clinical Investigation (ASCI) Young Physician-Scientist Award. In 2017, he was the first pediatric urologist elected to membership in the Research on Calculus Kinetics (ROCK) Society. In 2019, he received the Basic Science Prize from the Societies for Pediatric Urology. He is an equally outstanding teacher and mentor of medical students, residents and fellows.

**Sarah K. Tasian, MD**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Tasian is having a significant impact on the understanding and treatment of childhood leukemias. She leads a cutting-edge independently funded research program that integrates basic leukemia biology with early phase clinical trials that are already starting to change practice. She focuses on developmental therapeutics for high-risk childhood acute lymphoblastic leukemia (ALL) and acute myeloid leukemia (AML). Her research has been continuously funded since 2011 by federal, foundation, and industry grants. She has contributed peer-reviewed contributions in leading journals including *Blood*, *Journal of Clinical Investigation*, *New England Journal of Medicine*, *Journal of Clinical Investigation*, and *Blood Advances*. She is an outstanding teacher across a variety of research and clinical domains. In 2020, she received the Pediatric Hematology/Oncology Fellow Teaching Award.

**Kate Elizabeth Temme, MD**

*Associate Professor of Clinical Physical Medicine and Rehabilitation*

Dr. Temme is a distinguished sports medicine physiatrist who is known widely for her expertise and is an invaluable resource at Penn Medicine. She developed and directs the Penn Center for the Female Athlete, a multi-disciplinary center that provides comprehensive care to meet the unique needs of the active female across diverse age, fitness and competitive levels, and one of the few centers of its kind nationally. She develops clinical programs for the management of sports medicine injuries with a specific focus on female athletes. She presents regularly at the national and regional level on the topics of sports medicine, the female athlete triad and pregnancy and postpartum musculoskeletal care and is a recognized expert in these areas. She serves on the American Academy of Physical Medicine and Rehabilitation Self-Assessment Committee. She is an excellent educator and communicator. She is the Associate Director of the Sports Medicine Fellowship.

**Wei Tong, PhD**

*Professor of Pediatrics*

Dr. Tong has made seminal contributions to the field of molecular hematology. She uses integrated approaches encompassing biochemistry, molecular biology, mouse models, and primary human samples to understand signaling events emanating from cytokine receptors that regulate the development of hematopoietic stem/progenitor cells. She has a successful record of funding and scholarship. She is a standing member of study sections of the NIH and the Leukemia and Lymphoma Society. At Penn, she is a leader in the Institute for Regenerative Medicine (IRM), has served on several search committees for the IRM, and directs a T32 in hematopoiesis. She makes significant contributions as an educator and mentor of graduate students, undergraduate students, postdoctoral fellows, residents and fellows.

**James Treat, MD**

*Professor of Clinical Pediatrics*

Dr. Treat is an outstanding clinician and gifted educator. From the beginning of his academic career, he has been deeply engaged in teaching and the administration and leadership of educational programs. He has served as Director of Education for dermatology at CHOP and Program Director for the Fellowship in pediatric dermatology for many years. He has won numerous teaching awards, including but not limited to the Edward Bondi Award (three times) and Provost's Award for Teaching Excellence. He received the Presidential Citation Award of the American Academy of Dermatology and was elected to The Academy of Master Clinicians in 2020. His clinical expertise is reflected in the large number of regional, national and international invited lectures he has given. He has also been a significant contributor to the field as a member and committee member of several national and international societies.

**Rachael Truchil, MD, MPH**

*Associate Professor of Clinical Medicine*

Dr. Truchil is widely known as a consummate professional, a superb clinician who is a tireless advocate for her patients, and an excellent educator. In addition to providing care at the Penn Center for Primary Care, she sees patients at the Philadelphia Department of Health Center #4 and she is the Medical Director for the Penn Refugee Clinic. At both sites, she delivers care to underserved populations, an area to which she is strongly committed. She is a highly effective educator and mentor who provides clinical supervision to residents in the various clinics. She also advises medical students about careers in general internal medical medicine and provides facilitated learning activities. In 2020, she received the John M. Eisenberg Teaching Award.

**Golnaz Vahedi, PhD**

*Associate Professor of Genetics*

Dr. Vahedi's impactful research contributions are advancing the field of epigenetics, pioneering transcription factors, and lineage-defining re-wiring of the genome in T cells. She leads a multidisciplinary team who integrate computational and experimental approaches to develop a single to collective cell understanding of gene regulation in immune cells in health and disease. Her landmark studies have resulted in fundamental changes in the field. She has an impressive record of funding. She has contributed peer-reviewed publications in high impact journals including *Immunity*, *PNAS*, *Frontiers in Genetics*, *Cell*, *Science*, *Nature Medicine*, and *Molecular Cell*. She makes equally impressive contributions to education. She is an outstanding teacher and mentor. Numerous students have asked her to be on their thesis committees. She has 30 invited talk in the last five years. These include leading biomedical research centers and national meetings of the American Society of Hematology and FASEB.

**Sarah A. Van Calcar, MD**

*Associate Professor of Clinical Medicine*

Dr. Van Calcar is a highly productive academic hospitalist who is recognized both institutionally and regionally for her excellent clinical skills, her caring and compassionate care, and her expertise in the area of quality improvement with specific contributions in the domain of patient oncology care and transitions of care. He is the Medical Director of the Solid Oncology APP service. In this role, she works closely with the division of hematology and oncology leadership to ensure the inpatient service is meeting the medical and social need of their outpatients by providing high quality, evidence based, and patient centered care. She is an active, engaged, and well-respected educator.

**Adeline Vanderver, MD**

*Professor of Neurology*

Dr. Vanderver is advancing research in the field of genetic leukodystrophies, a group of rare, inherited disorders that affect the white matter in the brain and spinal cord. She directs CHOP's Leukodystrophy Center of Excellence which provides comprehensive clinical care, diagnostic testing and the most advanced treatments available to infants, children and adolescents with inherited white matter diseases. Her research focuses on the genetic etiologies, radiologic disease phenotyping and understanding of disease mechanisms and biomarkers of the leukodystrophies. She is a member of an NIH study section. She has been a course director at the American College of Neurology annual meetings numerous times. She is a member of the Society for Inherited Metabolic Disease, the American Academy of Neurology, the Child Neurology Society, and the Society for Neuroscience

**Neha Vapiwala, MD**

*Professor of Radiation Oncology--Clinician-Educator*

Dr. Vapiwala excels as a clinician, educator, administrator, and investigator. She is an expert in the field of radiation oncology, particularly genitourinary radiation oncology. Her innovative research complements her clinical responsibilities and focuses on biological and technological improvements in the delivery of radiation as part of the overall management of patients with prostate cancer. She has contributed numerous peer-reviewed publications in leading journals in her field including *International Journal of Radiation Oncology • Biology • Physics*, *Radiation Oncology* and *Medical Physics*. She is senior editor of OncoLink, an online multimedia oncology information resource. She makes extensive contributions to education within the department of radiation oncology, the Perelman School of Medicine, and nationally. In 2019, she was appointed Associate Dean of Admissions for PSOM.

**Peter J. Vasquez, MD**

*Associate Professor of Clinical Obstetrics and Gynecology*

Dr. Vasquez is an accomplished clinician and gynecologic surgeon. He is an expert in the health system and the region in LGBT reproductive health and is one of the area's top physician for transgender health. He is also an outstanding educator and is actively engaged in the department's quality and teaching activities. He is Associate Residency Program Director. In this role, he has focused on developing and formalizing the simulation curriculum, as well as supporting the educational mission of the residency program through curriculum design, resident recruitment, and resident professional development. He is an inspiring educator who incorporates learner engagement.

**John Vasudevan, MD**

*Associate Professor of Clinical Physical Medicine and Rehabilitation*

Dr. Vasudevan is an excellent clinician and physiatrist who works closely with orthopaedic and primary care sports physicians to provide the highest level of musculoskeletal and sports medicine services to a wide range of patients. He is a Delegate to the American Medical Association for his area of concentration of sports medicine within his primary specialty of physical medicine and rehabilitation. In his focus on sports medicine, he goes beyond the medical care of athletes to optimize the goals of anyone who seeks better performance on or off the field and achieve optimal fitness levels. His training has provided him with the skills to perform electrodiagnostic testing, musculoskeletal ultrasound, and fluoroscopic guided injections. He is widely known as an extremely dedicated physician who puts the health of his patients and the education of his trainees at the forefront of his clinical practice. In 2016, he received the department's Resident Teaching Award.

**Norge Vergara, MD**

*Associate Professor of Clinical Pathology and Laboratory Medicine*

Dr. Vergara is an excellent diagnostic cytopathologist who focuses on gastrointestinal and genitourinary cytopathology/surgical pathology. He has participated in regional tumor conferences. He is a gifted teacher who is heavily involved in teaching residents and fellows one-on-one at the microscope signing out cytopathology and surgical pathology. He also mentors residents and fellows in quality assurance and research. His specific technical expertise in ultrasound, an expanding field within cytopathology, has greatly broadened and enhanced trainee education within the residency and fellowship programs. He was recently selected to be a member of the editorial board of *Diagnostic Cytopathology*.

**Kelly C. Wade, MD, PhD, MSCE**

*Professor of Clinical Pediatrics*

Dr. Wade is an expert in neonatal medicine and pediatric therapeutics. She recently initiated and chaired the UPHS Neonatal Pharmacy and Therapeutics Subcommittee to oversee neonatal therapeutics in the five (5) UPHS affiliated Neonatal ICUs. As the physician leader for neonatal pharmacy practices and medication safety, she leads the charge to improve systems to minimize risk of medication errors including critical review of medication errors, updating patient identification practices, and standardizing morphine dispensing. Although not required on the Academic Clinician track, Dr. Wade maintains an active collaborative role in supporting the Neonatal Research Network (NRN) clinical trials at PAH. She also works among the NICU based Clinical Leadership Team on unit based QI initiatives. She developed processes to merge patient level data from the UPHS Penn Data Store and our local clinical infant outcomes database. Most recently, she was instrumental in the design of a single-site study addressing postnatally-acquired CMV infection among very-low birth weight infants. She is active on national committees where she represents CHOP and the University of Pennsylvania while working to advance neonatal clinical trial design and therapeutics for the American Academy of Pediatrics, the FDA, and the International Neonatal Consortium.

**Joyce Wald, DO**

*Professor of Clinical Medicine*

Dr. Wald has played a critical role in building Penn's nationally recognized heart failure and transplantation program and building regional dominance in this important area. She has an outstanding regional reputation as a superb clinical cardiologist specializing in heart failure and transplantation. She focuses on practice development for the division of cardiology, specifically within the realm of treatment of heart failure, transplantation and circulatory support. She developed the "Share Care" model in which she partnered with community hospitals to develop their VAD/DT program and in return, HUP became their high risk CT surgery and transplant center. She is a highly valued teacher, mentor, and role model who is admired for her fund of knowledge, her professionalism, and her bedside manner.

**Jennifer Walter, MD, PhD, MS**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Walter is a nationally recognized pediatrician-bioethicist whose research is at the intersections of pediatrics, ethics, healthcare communication, and palliative care with an emphasis on improving team collaboration in pediatric critical care and on shared decision-making. She has made valuable contributions to research that focuses on how team functioning impacts communication between healthcare providers and families. She has also analyzed the boundaries of ethical interactions between physicians and their patients. In 2016, she received the Cambia Foundation Sojourns Scholar Award, a prestigious and highly competitive award. She is an outstanding teacher and mentor. She launched a communications skills training program called Vital Talk for medical students, fellows, residents, attending, and nurses at Penn and other institutions. The program was developed to provide training on "giving serious news."

**Eileen Y. Wang, MD**

*Professor of Clinical Obstetrics and Gynecology*

Dr. Wang is experienced, highly skilled and committed to excellent patient care. She is seen as a "go-to" clinician in several areas of maternal fetal medicine, including ultrasound and invasive procedures. She has a special interest in medical education, specifically in general Ob-Gyn and ultrasonography. In 2018, she was named as a representative of the American College of Obstetrics & Gynecology to the American College of Radiology's Women's Imaging Panel. She is known throughout the medical school, Ob-Gyn residency, and MFM fellowship as an outstanding and dedicated teacher. She continues to make significant contributions to training and clinical programs with her expertise in ultrasound, fetal echocardiography, and simulation. She is a role model for students, residents, and fellows.

**Ping Wang, PhD**

*Professor of Pathology and Laboratory Medicine—Clinician-Educator*

Dr. Wang is an innovative, nationally recognized clinical chemist whose translational research focuses on novel technologies for precision based diagnosis and prognosis. Her clinical interests include automation, clinical mass spectrometry and Clinical Laboratory Improvement Amendments (CLIA) lab operation. She is the Director of the Core Laboratory and Chief of the Clinical Chemistry Section at HUP. Under her leadership, the volume of testing in clinical chemistry, hematology and coagulation has increased dramatically and new tests, instrumentation, and advanced technologies have been introduced. She has an impressive record of funding and scholarship. She is a fellow of the National Academy of Clinical Biochemistry. In 2018, she was named Director of the William Pepper Laboratory George Woodward Fellowship Program in Physiological Chemistry. She is Chair of the Personalized Medicine Division of the American Association of Clinical Chemistry.

**Deborah Jane Way, MD**

*Associate Professor of Clinical Medicine*

Dr. Way is an incredible clinician and educator. Her clinical work is based in the VAMC is devoted to clinical care in a variety of Palliative Care delivery settings. Dr. Way evaluates and directs treatment for physical and non-physical symptoms, provides psycho-social support and aids in difficult decision making. This care encompasses the continuum of acute inpatient, post-acute care, and home care. She is currently the VAMC Site Director, Palliative Care Fellowship Program and serves on several Palliative Care Fellowship committees. She also instituted a Palliative Care lecture series for House Staff at VAMC. Dr. Way continuously reviews VA documentation to determine needs for further education and quality improvement efforts. She was chosen by VA National leadership to chair the Advisory Committee for the VA's Life Sustaining Treatment Decisions Initiative at VAMC in Philadelphia, PA. In this role, she has recruited a team to develop and institute local VA policy and education efforts for this initiative. In addition, she also provides Palliative Care to Veterans with serious liver disease as part of the PCORI PAL-LIVER trial. The aim is to enroll 85 Veteran-Caregiver dyads over a two-year period and to provide at least four Palliative Care visits with each. She is a recognized expert in her field at the regional and national level.

**Huafeng Wei, MD, PhD**

*Professor of Anesthesiology and Critical Care*

Dr. Wei is an internationally recognized investigator whose basic and translational research focuses on three areas of investigation including anesthetic neurotoxicity/neuroprotection, non-invasive ventilator techniques, and interventions for neurodegenerative diseases. He is principal investigator on grants from federal and industry sources. He has contributed peer-reviewed publications in leading journals including *PLoS One* and *Anesthesiology* and *Anesthesia and Analgesia*. He is an editor for the *Journal of Anesthesia and Clinical Research* and an editorial board member of the *International Scholarly Research Network of Anesthesiology*. He is a member of the Membrane Biology and Protein study section of the NIH. He is a devoted and effective educator and mentor of medical students, residents and postdoctoral students. He is invited to present his work nationally and internationally.

**Steven M. Willi, MD**

*Professor of Pediatrics—Clinician-Educator*

Dr. Willi is a highly accomplished pediatric endocrinologist who is recognized for his contributions in the area of obesity and type 2 diabetes in children and adolescents. He has been Medical Director of the Diabetes Center for CHOP since 2004. Under his leadership, the center has been named the leading program in the country by US News & World Report since ranking pediatric sub-specialties began in 2008. His research studies and clinical trials focus on the optimization of type 1 diabetes management, including immunomodulatory therapies in new-onset diabetes and the application of new technologies. He is also known for his work on type 2 diabetes and, more recently, his research in racial, ethnic and socioeconomic disparities in diabetes care. He has been a fellow of the American Academy of Pediatrics since 1992.

**Kendall P. Williams, MD, MPH**

*Professor of Clinical Medicine*

Dr. Williams is highly regarded for his knowledge, communication skills, and his outstanding patient care. He was founding director of the UPHS Center for Evidence-based Practice (CEP), a novel and highly successful center designed to support UPHS with high quality evidence summaries for various institutional decisions. More recently, he has moved his focus to the development of bedside of Point of Care Ultrasound (POCUS) and specific projects that promote improved transitions of care to home from the hospital environment, particularly for patients from the West Philadelphia community. Another area of focus is improving patient care. His passion for patient care is equaled by his passion for teaching. He is admired for his didactic sessions as well as his bedside teaching.

**Jeremy E. Wilusz, PhD**

*Associate Professor of Biochemistry and Biophysics*

Dr. Wilusz is a leading scholar in the field of RNA biology. His rigorous, original research has advanced the understanding of the formation, transport, and function of a newly recognized class of RNAs called circular RNAs (circRNAs), single-stranded RNAs that are covalently jointed head-to-tail and are pervasive in the human genome. In addition to his independent research program, he has had productive collaborations with colleagues at Penn, demonstrating how RNA binding proteins and splicing factors control circular RNA biogenesis in insect cells. He has published high impact, highly cited papers in such prestigious journals as *Genes & Development* and *Molecular Cell*. He is a frequently invited speaker nationally and internationally, including presentations at Keystone conferences.

**Walter R. Witschey, PhD**

*Associate Professor of Radiology*

Dr. Witschey is an innovative leader in the field of biomedical imaging, particularly magnetic resonance imaging and quantitative cardiovascular imaging. He uses a multidisciplinary and translational approach, integrating techniques from electrical engineering, computer science, biology and bioengineering with the goal of improving care for patients with cardiovascular disease. He pioneered T1p, a novel technique for cardiac magnetic resonance, which provides a non-contrast method for characterization of myocardial inflammation and fibrosis. He publishes his research leading journals in his field, including *Journal of Cardiovascular Magnetic Resonance*, the official journal of the Society of Cardiovascular Magnetic Resonance. He has presented his research at annual meetings of the International Society of Magnetic Resonance in Medicine and the Society of Cardiovascular Magnetic Resonance.

**David Wolk, MD**

*Professor of Neurology*

Dr. Wolk is a leading physician-scientist in the field of behavioral neurology and cognition. His research has focused on memory measures and on the markers that allow for early detection of Alzheimer's disease (AD). His current research focuses on memory changes in healthy aging, Mild Cognitive Impairment, and AD-using Event-Related Potentials, MRI, and novel psychometric testing. He has been highly successful in garnering funding for his research and has made significant scholarly contributions. He is a highly respected educator and mentor of medical students, graduate students and residents. He lectures nationally and has had numerous organizing roles in scientific meetings. He is a member of a number of professional and scientific societies such as the American Academy of Neurology, the Society for Behavioral and Cognitive Neurology and the International Society to Advance Alzheimer's Research and Treatment.



**Andrew Wong, MD**

*Associate Professor of Clinical Anesthesiology and Critical Care*

Dr. Wong is a clinical and educational innovator. He has been a leader in the introduction of ultrasound-guidance for regional anesthetic techniques and protocol-based care for bariatric patients at the University of Pennsylvania, with a focus on the Penn Presbyterian campus. He also provides anesthesia for orthopedic, general, vascular, thoracic, gynecologic, ENT, oral maxillofacial, ophthalmologic, neuro and ambulatory surgery. In addition to operating room suites in the various Penn institutions, he practices anesthesiology in “non-OR” procedural locations such as electrophysiology, GI endoscopy, and interventional radiology and does contribute to the evening, weekend and holiday “on-call” clinical teams at Penn hospitals, to provide anesthesia for trauma and emergencies, which involve often severely injured, physiologically unstable patients, for whom there is usually not time to prepare for surgery in a usual way. In 2016, the ERAS Bariatric program was accredited as a Comprehensive Center by the Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program (MBSAQIP) after he helped prepare the department for their accreditation site visit. In January 2019, PPMC again achieved accreditation after their site visit. Clinical improvements in smoking cessation and opiate use are substantial accomplishments in this program in which he has played major leadership roles.

**Roseann Wu, MD, MPH**

*Associate Professor of Clinical Pathology and Laboratory Medicine*

Dr. Wu is a distinguished and highly respected clinician who is widely admired for her skills as a diagnostician. As a member of the American Board of Pathology Continuing Certification Advisory Committee, she provides feedback regarding various aspects of the continuing certification process for pathologists. She makes substantial contributions to education through her primary teaching responsibilities in graduate as well as undergraduate education. She is the Associate Program Director for the department’s Residency Training Program with emphasis on anatomic pathology education. Among her innovative contributions is the development of interactive adaptive e-Learning teaching methods using interactive computer software for teaching resident and medical students gynecologic cytopathology. Her teaching evaluations have been consistently outstanding.

**Nadir Yehya, MD**

*Associate Professor of Anesthesiology and Critical Care—Clinician-Educator*

Dr. Yehya is a prominent pediatric critical care physician and translational investigator in pediatric respiratory critical care, particularly in the field of ARDS (acute respiratory distress syndrome), a major cause of mortality and morbidity in the pediatric population, and in mechanical ventilation. His cutting-edge research focuses on the use of circulating biomarkers and gene expression in determining sub phenotypes of children with ARDS. He participates in several multicenter and multinational collaborations. He has contributed peer-reviewed publications in premier journals in his field. He received the Star Research Achievement Award in 2015, 2016, 2018, 2019, and 2020. He is an outstanding teacher and mentor of medical students, residents, and fellows. He is a highly sought after speaker nationally and internationally.

**Gui-shuang Ying, MD, PhD**

*Professor of Ophthalmology—Clinician-Educator*

Dr. Ying is an accomplished and innovative statistical methodologist and collaborative researcher. He has had a significant impact on the design and analysis of investigations in ophthalmology including highly successful age-related macular degeneration treatment trials and the retinopathy of prematurity. He collaborates with investigators on study design, data management, statistical analysis, and data interpretation for multi-center clinical studies. His statistical methodologic research focuses on the development of risk prediction models for eye diseases and statistical analysis for correlated data. His scholarly contributions include a number of highly cited publications in premier journals. He received the American Academy of Ophthalmology's Achievement Award in 2016 and the American Society of Ophthalmic Plastic & Reconstructive Surgery Pathology Award in 2019.

**Jami F. Young, PhD**

*Professor of Psychiatry—Clinician-Educator*

Dr. Young is an influential leader in the treatment and evaluation of adolescent depression. She is an expert in psychosocial interventions known as interpersonal psychiatry (IPT) for preventing and treating adolescent depression. She is most widely known for adapting the evidence-based individual IPT as a group prevention known as Interpersonal Psychotherapy-Adolescent Skills Training (IPT-AST). In 2019, she was named Faculty Lead of the behavioral health portfolio of the PolicyLab at CHOP. The mission of the PolicyLab is to achieve optimal child health and well-being by informing program and policy changes through interdisciplinary research. She publishes her research in high impact journals. She has delivered lectures and trainings on IPT-A and IPT-AST throughout the United States and internationally. She is a member of the International Society for Interpersonal Psychology, the American Psychological Association, and the Society of Clinical Child and Adolescent Psychology.

**Sabrina Yum, MD**

*Associate Professor of Clinical Neurology*

Dr. Yum is a nationally recognized clinical neurologist with a concentration in neuromuscular medicine. She has demonstrated exceptional skill and leadership in pediatric neuromuscular medicine, especially inherited neuropathies and nerve injury at CHOP through her development of several clinical programs. In addition to providing general neurology services at CHOP, she established the EMG and NCS service at CHOP and expanded the diagnostic service to include muscle ultrasound for diagnosis of anterior horn cell disease and myopathy in the pediatric population. Dr. Yum was also instrumental in setting up and serving as the clinical director for the multidisciplinary Charcot-Marie-Tooth (CMT) clinic, which earned recognition as a CMTA Center of Excellence. She developed and co-directs a multidisciplinary Brachial Plexus and Nerve injury program and established the BOTOX clinic for movement disorders and spasticity. Dr. Yum is also a key teacher in the neurology residency and fellowship programs, and a mentor for CHOP neuromuscular fellows. Dr. Yum is also prolific academically, having achieved national recognition with peer reviewed manuscripts, book chapters, and multiple abstracts.

**Katherine Yun, MD, MHS**

*Associate Professor of Pediatrics—Clinician-Educator*

Dr. Yun has made significant contributions to the field of refugee and immigrant health. She is an excellent primary care physician who practices in the Refugee Health Program at CHOP. She focuses on equity in access to healthcare, documenting the impact of health policies on immigrant children and families, providing care to children in families with limited English proficiency (LEP), and training the next generation of pediatricians on multilingual child health research and practice. She has led efforts for clinical decision support tools for clinical care of refugee families that have been disseminated nationally in collaboration with the CDC and the Agency for Healthcare Research. She is the Director of the Academic General Pediatrics Fellowship. She has collaborated with the American Academy of Pediatrics on a national survey examining pediatrician preparedness to care for immigrant children.

**YeJia Zhang, MD, PhD**

*Associate Professor of Physical Medicine and Rehabilitation—Clinician-Educator*

Dr. Zhang is a highly accomplished physician-scientist leader in spine and intervertebral disc research. Her basic science and translational research program focuses on the etiology of back pain with the goal of developing non-operative treatments for intervertebral disc degeneration and related back pain. Her diagnostic and therapeutic skill set includes a variety of options to manage chronic pain, including acupuncture, an important adjunctive measure that provides pain relief for many patients and reduces opiate use. She has a successful record of extramural grant support. Her collaborative research with postdoctoral fellow, Robert Tower, received the “2018 Art in Science Award.” She is an excellent teacher and mentor of residents and postdoctoral fellows. She presents her research nationally and has participated in conference organization committees for the Orthopaedic Research Society. She is an active member of the American Academy of Academic Physiatrists and the American Academy of Physical Medicine and Rehabilitation.

**Rong Zhou, PhD**

*Research Professor of Radiology*

Dr. Zhou is a highly accomplished independent and collaborative researcher who focuses on the use of molecular imaging and microscopy to understand the diagnosis and management of human cancer and heart failure. She has made a number of important contributions to her field, such as the development of creatine kinase as an MRIS detectable marker gene. She and her team also developed a multimodality approach for tracking stem cell delivery to the infarcted heart and for monitoring the survival of these cells and their impact on blood flow and contractile function of the myocardium. She has been successful in securing extramural funding from NIH and other sources. She is an excellent mentor of graduate students. She is a member of professional and scientific societies nationally and internationally. She was elected into the leadership committee of the Women in Molecular Imaging Network (WIMIN) to promote the career development of women in the molecular imaging field.

**Zhaolan (Joe) Zhou, PhD**

*Professor of Genetics*

Dr. Zhou is making seminal contributions to research on epigenetic mechanisms that contribute to brain development and function. His cutting-edge research combines genetics, neurobiology and cell/molecular/cellular biology to focus on understanding the epigenetic mechanisms that integrate environmental factors with genetic code to govern brain development and function, elucidating the pathophysiology of specific neurodevelopmental disorders with known genetic causes such as Rett Syndrome and CDKL5 deficiency, and illuminating the pathogenesis of selective neuropsychiatric disorders with complex genetic traits such as autism and major depression. He has been Director of the Preclinical Models Core at CHOP and Penn since 2017. In 2016, he received the Starfish Thrower Award from the International Foundation for CDKL5 Research and in 2017, he received the Lab of the Year Award from the London Foundation. In 2018, he was appointed as Vice Chair of the Graduate Group of Genetics and Epidemiology.

**Jun Zhu, PhD**

*Professor of Microbiology*

Dr. Zhu is a leading investigator in the molecular mechanisms of bacterial pathogenesis. He uses a multidisciplinary approach to focus on the chemical signals that are sensed by pathogenic bacteria in their infectious environments and the genetic regulatory circuitry that responds to these signals. His most important contributions are in the area of *Vibrio cholera* virulence gene regulation. He has been successful in securing extramural funding for his research. He has contributed peer-reviewed publications in leading journals including *Proceedings of the National Academy of Sciences*, *Molecular Microbiology* and *Infection and Immunity*. He is a standing member of the NIH/NIAID Bacterial Pathogenesis R01 (BACP) study section. He makes substantial contributions to the biomedical graduate programs and to postdoctoral training. He is also recognized as a significant contributor to the bacteriology community at Penn and The Children's Hospital of Philadelphia.

**Athena F. Zuppa, MD**

*Professor of Anesthesiology and Critical Care—Clinician-Educator*

Dr. Zuppa is a leader in the field of pediatric pharmacology. As director of the Center for Clinical Pharmacology, she has a dynamic research program that focuses on using clinical pharmacological modeling and simulation strategies to study the impact of critical illness on drug disposition in children. She is a reviewer for the American Society for Clinical Pharmacology and Therapeutics, Pediatric Critical Care Medicine, and the Journal of Clinical Pharmacology. She is a member of the Board of Directors and fellow of the American College of Clinical Pharmacology. Dr. Zuppa is a dedicated and effective educator and mentor of medical students, residents and fellows. She presents her work nationally and internationally. She is a member of a number of professional and scientific societies such as the Society of Critical Care Medicine, the American College of Clinical Pharmacology and the American Society of Clinical Pharmacology and Therapeutics.

**Karen B. Zur, MD**

*Professor of Otorhinolaryngology: Head and Neck Surgery—Clinician-Educator*

Dr. Zur is a nationally regarded pediatric otorhinolaryngologist: head and neck surgeon who specializes in airway reconstruction and pediatric voice disorders. Her research complements her clinical work, focusing on the assessment and management of vocal fold dysfunction and laryngeal nerve reinnervation. She created and validated the Pediatric Voice Handicap Index for the assessment of the effect of dysphonia on a child's voice. She has contributed peer-reviewed publications in leading journals in her field including *Laryngoscope* and the *International Journal of Pediatric Otorhinolaryngology*. She is a member of the editorial board of the *Journal of Voice*. She is a highly engaged teacher and mentor of medical students, residents, fellows, nurse practitioners and physician's assistants. She is a founding member of the Pediatric Voice Disorders Task Force of the American Society of Pediatric Otolaryngology.