

Office of Women in Science and Medicine Leadership Program for Women Faculty

2009 Cohort Bios

Megan H Bair-Merritt, MD, MSCE

Megan H Bair-Merritt, MD, MSCE is Assistant Professor of Pediatrics at the Johns Hopkins School of Medicine where her research focuses on the effects of domestic violence on children's health and well-being. Dr Bair-Merritt completed her residency training at The Children's Hospital of Philadelphia and received her Masters of Science in Clinical Epidemiology at the University of Pennsylvania School of Medicine's Center for Clinical Epidemiology and Biostatistics. Past publications include research studies examining the physical health and health care use of children exposed to domestic violence as well as studying effective ways to screen for domestic violence in the pediatric setting. Dr Bair-Merritt is currently funded through a Career Development Award from the National Institute of Child Health and Human Development at the National Institutes of Health. She has presented her work at numerous national pediatric and domestic violence conferences including the annual Pediatric Academic Societies' conference and Family Violence Prevention Fund conferences. She also was invited to and participated in two prominent child maltreatment workshops: Surgeon General Richard Carmona's workshop "Making Prevention of Child Maltreatment a National Priority" and Pennsylvania Secretary of Health Calvin Johnson's "Summit on Child Maltreatment." Her long term goal is to develop interventions that facilitate the healthy development of children exposed to domestic violence.

Lili A. Barouch, M.D.

Dr. Barouch is currently Assistant Professor of Medicine in the Division of Cardiology and a member of the Heart Failure and Cardiac Transplantation group at the Johns Hopkins University School of Medicine. Dr. Barouch received her undergraduate degree from Harvard University in 1992 and her medical degree from Johns Hopkins in 1996. She continued at Johns Hopkins for residency training in Internal Medicine, completed in 1999, and fellowship in Cardiovascular Disease, completed in 2003. Dr. Barouch has a longstanding interest in the role of obesity in the development of cardiac hypertrophy and heart failure, specifically, in the role of the obesity hormone, leptin, in the cardiovascular system. More recently she has been working on the relationship of leptin to the beta-3 adrenergic receptor and its downstream signaling mechanisms in the cardiac myocyte. She was recruited to join the cardiology faculty at Johns Hopkins in 2003 and has an independent research laboratory within the Cardiovascular Division. Clinically, Dr. Barouch attends on the Heart Failure Service at Johns Hopkins Hospital, and she has two children, ages 7 and 9.

Lauren Berkow, MD

Dr. Berkow is currently an Assistant Professor in the department of Anesthesia and Critical Care Medicine with a joint appointment in Otolaryngology, Head and Neck Surgery. She completed her residency training in Anesthesia at Johns Hopkins in 2000 and joined the full time faculty. She is the Director of Supplies and Equipment for Anesthesia as well as the Director of Difficult Airway Education. She is active in education and program development and holds the title of Assistant Residency Director.

Dr. Berkow's research interests include both airway management and Neuroanesthesia, and she has given invited lectures nationally on both topics. She teaches airway workshops at national conferences several times a year. She is an active member of the Society for Airway Management (SAM) and was recently elected to their board of Directors. She has also been selected by this society to co-chair the 2010 national SAM meeting and chair the 2011 SAM meeting. Dr. Berkow is actively involved in clinical teaching of anesthesia residents and has two small children, ages 4 and 7.

L. Ebony Boulware, MD MPH

L. Ebony Boulware, MD MPH is a General Internist and an Associate Professor of Medicine and Epidemiology, with primary appointments in the Division of General Internal Medicine and the Welch Center for Prevention, Epidemiology and Clinical Research. Her research aims to improve the equity and quality of health care for patients with chronic kidney disease (CKD). Using clinical epidemiological and outcomes research methods, her research studies have explored patient, population, and physician factors contributing to variation in CKD care, including variation in access to optimal therapies for renal replacement such as transplantation. Findings from Dr. Boulware's research have uncovered important aspects of patients' and physicians' interpersonal communication, personal beliefs, and behaviors, which contribute to variation and impact clinical outcomes. Dr. Boulware's work has a special focus on addressing ethnic/race disparities in the quality of CKD care and disparities in access to CKD care. She is the Principal Investigator of two large government-funded studies in which she and her colleagues have developed and are currently testing culturally sensitive interventions to address ethnic/race disparities in informed decision-making about kidney transplantation and other renal replacement therapies.

Julie R. Brahmer, M.D.

Dr. Julie Brahmer is an active clinical leader in the treatment of lung cancer and mesothelioma at the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins. As an active member of the Drug Development Program, she is continually in search of a drug or combination that can be developed for lung cancer treatment. Her current research interest focuses on the early development of novel immunotherapies for lung cancer. Dr. Brahmer received her medical degree from the University of Nebraska Medical Center and went on to complete an internship, residency, and chief residency in internal medicine at the University of Utah in Salt Lake City. In 1997 she began her fellowship training at the Johns Hopkins School of Medicine in medical oncology before joining the faculty. She is currently Assistant Professor of Oncology and is the Associate Director of the Johns Hopkins Clinical Research Network for Oncology clinical trials. Dr. Brahmer is active within the American Society of Clinical Oncology (ASCO), serving on many committees as well as the ASCO Lung Cancer Guidelines Committee. She is an active member of the Eastern Cooperative Oncology Group thoracic committee, where she has been the national principle co-investigator on several clinical trials. She serves on the Medical Advisory Board for the Lung Cancer Research Foundation. She is one of the founding board members of the National Lung Cancer Partnership and is chairman of the scientific committee.

Anne E Burke, MD, MPH

Dr. Burke is an Assistant Professor of Gynecology and Obstetrics at the Johns Hopkins University School of Medicine. She is a graduate of the University of Pittsburgh School of Medicine. She completed her residency at Pennsylvania Hospital in Philadelphia. This was followed by fellowship at Johns Hopkins, where she also graduated from the Johns Hopkins Bloomberg School of Public Health. She is currently the Director of the Family Planning Fellowship, based in the Department of Obstetrics and Gynecology at Bayview. She also participates as teaching faculty for training institutes sponsored by the School of Public Health, and for national contraceptive conferences. She is a clinical advisor to several nonprofit reproductive health organizations. She has worked on family planning projects internationally as well. Her clinical interests include family planning, as well as gynecologic care through the reproductive years into menopause. She has had a growing interest in the gynecologic manifestations of rheumatologic diseases, and she is now working with the recently established multidisciplinary center for Sjogren's syndrome at Johns Hopkins. Her current research projects include contraceptive use after abortion, reproductive outcomes after bariatric surgery, knowledge and attitudes about long-acting contraception, and HPV in perimenopause. She is also an investigator in several national, multicenter clinical trials of new contraceptive methods. Dr. Burke is an author of scientific research, editorials, and book chapters in family planning. She also is a mother to two daughters, ages 4 and 1.

Lisa Christopher-Stine , MD, MPH

Lisa Christopher-Stine is an Assistant Professor of Medicine and Neurology. She is a graduate of Franklin and Marshall College and she completed her medical training at Hahnemann University in Philadelphia. She joined the Johns Hopkins Division of Rheumatology after completing her Rheumatology Fellowship at The Johns Hopkins University in June, 2003. She is the Co-Director of The Johns Hopkins Myositis Center on the Johns Hopkins Bayview campus. Her research work, funded by the National Institutes of Health (NIAMS), centers upon the development of a comprehensive database of patients evaluated at The National Institutes of Health with autoimmune myositis and related diseases. Dr. Christopher-Stine is utilizing her training in epidemiology and biostatistics to develop improved diagnostic and classification criteria for these diseases. She has established a prospective myositis cohort at Johns Hopkins Hospital to undertake a longitudinal cohort study and initiate future intervention protocols for patients with autoimmune myositis. She is also the principal investigator or co-principal investigator for multiple myositis clinical trials taking place at Johns Hopkins. She has been instrumental in developing a comprehensive, multidisciplinary center for clinical research in which clinical, serologic, imaging, and pathologic information is collected in a systematic manner, with standardized follow-up at quarterly clinic visits. Additionally, blood samples are collected, on average, twice yearly, including storage for future studies.

Dr. Christopher-Stine's other research interest includes the etiology of statin-associated myotoxicity for which she has written medical reviews and recently presented her work on a new form of necrotizing myopathy that may have a link to statin therapy at the Plenary Session of the 2009 American College of Rheumatology meeting in Philadelphia. She also serves as the President of The Maryland Society for Rheumatic Diseases (MSRD), a branch of the Maryland Arthritis Foundation. MSRD is a professional

organization of rheumatologists and Allied Health Professionals. She is most delighted by her role as the mother of a 4 year-old little boy.

Anne Comi, MD

Dr. Comi is an Associate Professor in Neurology and Pediatrics and full-time faculty at the Kennedy Krieger Institute. She received her medical degree at SUNY Buffalo School of Medicine and received her residency training at the Children's Hospital of Buffalo and at Johns Hopkins. She directs the Hunter Nelson Sturge-Weber Center (<http://sturgeweber.kennedykrieger.org>) collaboration between faculty at the Kennedy Krieger Institute and Johns Hopkins (since 2002). This Center provides multidisciplinary visits for these patients and carries out clinical research to better understand, diagnose and treat this rare disorder that results in ischemic brain injury and seizures in affected infants and children. The SW Center has been funded by philanthropy, foundation grants, and grants from the NINDS. She is Co-PI on the SWS project of a recently funded rare disease consortium project (NIH). Long-term goals include leading the creation of a national database and network to foster clinical trials and studies of this syndrome. Dr. Comi also directs a translational laboratory research program funded by the NINDS (<http://neurosciencelab.kennedykrieger.org/ischemia/index.html>) focused on ischemic injury and seizures in the immature brain, utilizing a mouse stroke model. She is interested in the role of anticonvulsants and other therapeutic (including cellular) strategies in neuroprotection and in post-stroke recovery and neurogenesis. Her long-term goals for this program include the development of new strategies to improve outcome after neonatal and infant. She is married to Dr. Nick Morog and has two children.

Gail L. Daumit, MD, MHS

Gail Daumit is an Associate Professor of Medicine in the Division of General Internal Medicine, Department of Medicine at the Johns Hopkins Medical Institutions and a core faculty member of the Welch Center for Prevention, Epidemiology and Clinical Research. Dr. Daumit holds joint appointments in Psychiatry and at the Johns Hopkins Bloomberg School of Public Health in Epidemiology, Health Policy and Management and Mental Health. Dr. Daumit completed her undergraduate education at the University of Pennsylvania's Wharton School and received her M.D. at Emory University. She completed internal medicine residency training in primary care at Massachusetts General Hospital. Dr. Daumit came to Johns Hopkins to participate in the Robert Wood Johnson Clinical Scholars and General Internal Medicine fellowship programs and then joined the faculty.

Dr. Daumit's research program uses clinical epidemiology and health services research methods to focus on improving physical health and decreasing premature mortality in persons with severe mental

illnesses, who die on average 25 years earlier than the general population. She is directing a NIMH-funded clinical trial of a behavioral weight loss intervention in psychiatric rehabilitation programs in Maryland, and a peer-supported physical activity trial for persons with mental illness. Dr. Daumit also is completing a large medical record review study to understand factors related to patient safety adverse events during medical and surgical hospitalizations for persons with severe mental illness. She co-directed a study for the Johns Hopkins Evidenced Based Practice Center on the value of the periodic health evaluation. Dr. Daumit is a standing member of an NIMH grant review committee. She also co-directs the Clinical Epidemiology coursework for the Medical School's new Genes to Society curriculum and is a member of the Johns Hopkins Medicine Institutional Review Board.

Emily Gower, Ph.D.

Emily Gower, PhD is an Associate Professor in the Department of Ophthalmology with a joint appointment in the Department of Epidemiology at the Bloomberg School of Public Health. She is an epidemiologist/clinical trialist studying infectious causes of blindness. Her primary interests include improving outcomes following trichiasis surgery and reducing the risk of endophthalmitis following cataract surgery. Dr. Gower has been conducting clinical research in East Africa for nearly 10 years. Currently she is the PI on a clinical trial in Tanzania investigating the role of a new surgical device in helping to assist eye care workers with minimal training to perform trichiasis surgery successfully. The device was designed in collaboration with colleagues at Hopkins based on information collected in prior research conducted by Dr. Gower and her colleagues.

Dr. Gower recently completed a study investigating risk factors for endophthalmitis infection following cataract surgery. This case-control study found that injecting antibiotics into the eye at the end of surgery may help to reduce the risk of endophthalmitis. She hopes to continue this line of research by conducting a multicenter international clinical trial to investigate whether injecting moxifloxacin into the eye at the end of surgery can reduce the risk of endophthalmitis by at least 50%.

Lori Latowski Grover, OD, FAAO

Dr. Lori Grover has specialized in vision impairment and rehabilitation care for over 18 years. She has served as an Assistant Professor of Ophthalmology at Wilmer Eye Institute since 2007 and practices in the Department of Vision Rehabilitation. She is pursuing a PhD in Health Services Research and Policy at The Bloomberg School of Public Health. Dr. Grover is the PI on her NEI-funded K award entitled "A Model Transdisciplinary Health Care Team for Low Vision Rehabilitation". Since 1990, she has established private and hospital-based practices in five states, most recently in Scottsdale and Mesa, AZ where she also served as the Director of the Vision Rehabilitation Service at the Foundation for Blind Children in Phoenix. She also has an extensive educator background in didactic and clinical curricula development and has served as Chief, Department of Vision Rehabilitation at the Southern California College of Optometry. She is the Immediate Past Chair of the American Optometric Association Vision Rehabilitation Section (AOA VRS) and is a Fellow of the American Academy of Optometry where she is a Diplomate Candidate in Public Health. She remains an active consultant for state and local agencies on

vision rehabilitation and policy, is a frequent lecturer and international speaker on vision impairment. Her research interests include rehabilitation care and service delivery models and the economics of vision rehabilitation.

Christine A. Iacobuzio-Donahue, MD PhD

Christine A. Iacobuzio-Donahue is an Associate Professor of Pathology, Oncology and Surgery at the Johns Hopkins School of Medicine. Dr. Iacobuzio joined the full-time faculty at Hopkins in 2002 as an Assistant in the Department of Pathology and was promoted in 2003 to Instructor and then later in 2003 to Assistant Professor. Her training includes a postdoctoral fellowship in Gastrointestinal Oncology under the mentorship of Dr. Scott Kern M.D. (2000-2001) and a Gastrointestinal/Liver Pathology fellowship at Johns Hopkins (2002-2003). Prior to this, she completed an Anatomic Pathology Residency at The Johns Hopkins Hospital (1998-2002). She obtained both her M.D. and Ph.D. at Boston University School of Medicine (1991-1998), and obtained her bachelor's degree in Biology from Adelphi University in 1991. In addition to her clinical responsibilities on the gastrointestinal pathology service, Dr. Iacobuzio runs a federally funded research laboratory focused on the genetics and molecular mechanisms of cancer metastasis for which she supervises 3 postdoctoral fellows, two technicians and one graduate student.

Kathleen Kortte, Ph.D., ABPP (RP)

Dr. Kathleen Kortte is an Assistant Professor in the Department of Physical Medicine & Rehabilitation, Division of Rehabilitation Psychology and Neuropsychology. Clinically, she specializes in the practice of Rehabilitation Psychology and Neuropsychology with particular focus on providing assessment and intervention services for individuals with brain-based impairments in cognitive, behavioral, and emotional functioning. She has expertise in working with individuals with acquired brain injury and assisting these individuals in returning to life activities, such as working and resuming typical social roles. She serves as the Program Director of the Johns Hopkins Outpatient NeuroRehabilitation Program, which is comprehensive, community re-entry, post-acute brain injury program. Within this program, she directs an interdisciplinary team of rehabilitation professionals, including Speech-Language Pathologists, Occupational Therapists, Physical Therapists, Rehabilitation Neuropsychologists, Psychiatrists, and Social Workers.

Dr. Kortte's research interests focus on identifying and understanding cognitive and behavioral barriers to rehabilitation participation and outcomes. Greater understanding of such barriers will form the basis for the development of interventions to address the barriers and improve engagement in the rehabilitation process and life activities. Currently, Dr. Kortte has an NIH grant to investigate awareness syndromes (i.e., anosognosia, denial of illness, and apathy) during the hyperacute phase of recovery following the onset of brain injury. She is also interested in the barriers of fatigue and cognitive dysfunction and how these relate to decreased life participation following onset of acquired brain injury.

Irene C. Kuo, M.D

Irene C. Kuo, M.D., is Associate Professor of Ophthalmology at the Wilmer Eye Institute, and Medical Director of the Wilmer Eye Institute at White Marsh, MD. Dr. Kuo received her bachelor's degree at the Massachusetts Institute of Technology. She obtained her MD at the University of California at San Francisco, completed her residency at the University of Southern California/Doheny Eye Institute, and her fellowship in cornea, refractive surgery, and uveitis at the University of California at San Francisco/Proctor Foundation. She was recruited from fellowship to start the program at White Marsh.

A corneal specialist, Dr. Kuo has clinical expertise in laser refractive surgery (LASIK PRK, femtosecond laser surgery), corneal disease and surgery, corneal transplant and cataract surgery, and uveitis. A busy surgeon, she is certified to implant newer lens implants, including multifocal and astigmatism-correcting lenses. Her research activities include clinical outcomes of laser refractive and cataract surgery, wound healing after keratorefractive procedures, and the evaluation and treatment of infectious keratitis. She has received awards from the Heed Foundation and from the Eye Bank Association of America for her research. She has received the designation of one of America's "Top Ophthalmologists" and received a 2008 Patients' Choice Award. In addition to memberships in the American Academy of Ophthalmology and other societies, she is a member of the Cornea Society, an honorary society to which membership is based on a thesis and publications. She greatly enjoys being mother to a happy, inquisitive, enthusiastic little girl.

Dawn LaPorte, MD

Dawn LaPorte, MD is an Associate Professor in the Department of Orthopaedic Surgery at the Johns Hopkins University School of Medicine and clinical faculty at The Curtis National Hand Center. Dr. LaPorte received her medical degree from Johns Hopkins and continued at Johns Hopkins for her Orthopaedic Residency. She then completed a hand and upper extremity fellowship at The Curtis National Hand Center. She has been on faculty at Johns Hopkins since 2001 and her clinical practice includes the hand and upper extremity with a focus on the wrist. She is also the Orthopaedic Surgery Residency Program Director and her current research focuses on resident education as well as musculoskeletal education in non-orthopaedic residents. She is currently working on a book with two of her residents and a colleague in Emergency Medicine that will focus on teaching non-orthopaedic residents about orthopaedic emergencies. She is involved in the American Society for Surgery of the Hand and has developed their Resident Educators Workshop and cochaired this for three years at the national meeting. She has three children, ages 6, 9, and 11.

Susan Lehmann, M.D.

Susan Lehmann, M.D. is an Assistant Professor in the Department of Psychiatry and Behavioral Sciences at the Johns Hopkins University School of Medicine. She received her undergraduate degree from Cornell University and is a graduate of Cornell University Medical College. She did her residency training in Psychiatry at Johns Hopkins and then completed a fellowship in Geriatric Psychiatry at Johns Hopkins was well in 1989. She has subspecialty certification in Geriatric Psychiatry and is a recipient of the 2009 American Psychiatric Association Nancy C.A. Roeske, M.D., Certificate of Recognition for Excellence in Medical Student Education. She has been the Director of the Geriatric Psychiatry Day Hospital since

1992 and has been the Director of the Geriatric Psychiatry Outpatient Clinic since 2008. Since 2004 she has been the Director of the basic Psychiatry Clerkship and the Director of Medical Student Education in Psychiatry in the clinical years and leads the Educational Policy Committee for the Department of Psychiatry. She has published articles and book chapters on a variety of topics related to psychiatric disorders in geriatric patients. She has been especially interested in late-life mood disorders, particularly late-life bipolar disorder, and the outpatient management of older patients with severe mental disorders.

Lisa L. Maragakis, M.D., M.P.H.

Lisa Maragakis is an Assistant Professor of Medicine at The Johns Hopkins University, Department of Medicine, Division of Infectious Diseases and an Associate Hospital Epidemiologist at the Johns Hopkins Hospital. She received her medical degree and post-doctoral training in Infectious Diseases at The Johns Hopkins University School of Medicine and a master's degree in public health from The Johns Hopkins University Bloomberg School of Public Health. Dr. Maragakis' research interest is the epidemiology, prevention and control of healthcare-acquired infections caused by antimicrobial-resistant gram negative bacilli. Her research regarding the epidemiology, diagnosis, and treatment of multidrug-resistant gram-negative organisms is funded by a Health Protection Research Initiative grant and an Applied Research in Antimicrobial Resistance grant, both from the Centers for Disease Control and Prevention (CDC). Dr. Maragakis also has a research interest in the prevention of healthcare-associated infections. Recent research investigated an association between the intra-operative fraction of inspired oxygen and surgical site infections following spinal surgery; ongoing research investigates methods to reduce antimicrobial use associated with ventilator associated pneumonia and catheter-associated urinary tract infection. Dr. Maragakis is a member of the Infectious Diseases Society of America (IDSA) and the Society for Healthcare Epidemiology of America (SHEA). She is the liaison representing SHEA to the Healthcare Infection Control Practices Advisory Committee (HICPAC) at the CDC.

Guo-li Ming, MD, PhD

Dr. Guo-li Ming currently is an Associate Professor of Neurology with a secondary appointment in the Department of Neuroscience at Johns Hopkins University School of Medicine. She is an investigator in the Institute for Cell Engineering and a member of the Graduate Training Program in Neuroscience and Program in Cellular and Molecular Medicine. Dr. Ming completed her MD training at Tongji Medical University in China in 1994 and received her Ph. D in 2002 at University of California, San Diego. She joined Hopkins in the year of 2003. Her research focuses on understanding the molecular and cellular mechanisms regulating neuronal navigation during early embryonic development and in the adult nervous system. Her program is also interested in developing approaches for promoting nerve regeneration after injury or degenerative neurological diseases. As part of this effort, using patient specific –induced pluripotent stem cells, Dr. Ming's group is working on understanding function of genes

involved in human neural development and neural developmental disorders, such as Rett syndrome and Trisomies.

Constance L. Monitto, MD

Dr. Monitto is an Assistant Professor in the Division of Pediatric Anesthesia in the Department of Anesthesia and Critical Care Medicine. She completed her residency training in pediatrics at The Children's Hospital, Boston, and her residency and subspecialty training in anesthesia and pediatric anesthesia at Massachusetts General Hospital and The Children's Hospital of Philadelphia, respectively. After remaining on staff at CHOP for two years, she joined the pediatric anesthesia faculty at Johns Hopkins Hospital in 1994. Dr. Monitto's clinical work focuses on intraoperative anesthetic management of pediatric patients as well as attending on the pediatric acute pain service. She is actively involved in clinical teaching of anesthesia residents. Her research interests include both pediatric pain management and some nonclinical research in genetics. She is a member of the American Society of Anesthesiologists, the American Academy of Pediatrics, and the Society for Pediatric Anesthesia.

Karin J Neufeld, MD, MPH

Dr. Neufeld is an Assistant Professor and is a clinician educator in the Department of Psychiatry and Behavioral Sciences at the Johns Hopkins School of Medicine. In 2008 she assumed the Directorship of the Psychiatric Consultation Service for the Johns Hopkins Hospital, known as General Hospital Psychiatry. In addition to organizing and providing clinical attending duties, she spearheads an ambitious teaching program, providing clinical experiences for all of the Psychiatry as well as Neurology PGY III housestaff and roughly one quarter of all medical students during their psychiatric clerkships. Dr. Neufeld's burgeoning clinical enterprise includes the collaboration with wide-ranging departments in the hospital on the identification, treatment and prevention of delirium. Current initiatives include the testing of psychometric properties of delirium screening tools used in these clinical settings. Outcomes are being used to guide hospital-wide institutional policy on the approach to this ubiquitous and expensive medical complication and will contribute to the peer-reviewed literature. Her additional research interests include the care of patients with severe and persistent co-occurring disorders, including those related to substance use. In addition to numerous scholarly publications on the best treatment approaches for patients with substance use, Dr. Neufeld is also engaged in testing the best teaching approaches for medical trainees in the care of patients with substance use disorders, ensuring that trainees aspire to provide the best possible care for those some of the most afflicted individuals in our society.

Sara I. Pai, MD, PhD

Sara Pai, MD, PhD is an Assistant Professor in the Departments of Otolaryngology-Head and Neck Surgery and Oncology. She received her undergraduate degree from Dartmouth College and completed the MD/PhD program at Johns Hopkins. Her doctoral training was focused in immunology and cancer vaccine development. Subsequently, she completed her residency training in the Department of Otolaryngology-Head and Neck Surgery at Johns Hopkins and joined the faculty in 2007. Her clinical practice focuses on thyroid/ parathyroid surgery as well as management of human papillomavirus

(HPV)-associated head and neck cancer patients. Her research interests include the development of novel cancer vaccine strategies against head and neck cancers as well as understanding mechanisms of immune escape utilized by cancer cells. She leads an HPV working group at Johns Hopkins which includes head and neck surgeons, medical and radiation oncologists, pathologists, speech language pathologists, and epidemiologists. Dr. Pai is the clinical PI on a phase I clinical trial funded by the NIH Head and Neck SPORE Program which plans to administer a novel HPV DNA vaccine to patients with HPV-associated head and neck cancers. She also serves as a co-PI on the collaborative Head and Neck SPORE project which studies HIV patients who develop head and neck cancer.

Deborah Persaud, MD

Deborah Persaud, MD, is an Associate Professor in the Department of Pediatrics, Division of Infectious Diseases. She received her medical degree from New York University School of Medicine and completed her residency and Chief Residency training at Babies Hospital at Columbia University in New York City. During her fellowship training at New York University School of Medicine, she received an Aaron Diamond AIDS Research Fellowship award where she initiated her studies on mother-to-child transmission of HIV. Dr. Persaud joined the faculty at Johns Hopkins University School of Medicine in 1998 where she initiated her studies on the pathogenesis of HIV persistence and antiretroviral drug resistance in children for which she was the recipient of a Doris Duke Clinical Scientist Award. Her research interest is on viral reservoirs for HIV in children, youth, and their implications for therapy. She is the recipient of the 2004 Elizabeth Glaser Scientist Award and serves on several committees for the International Maternal Pediatric Adolescent AIDS Clinical Trials (IMPAACT) Network where she participates as the protocol virologists for several clinical trials of novel antiretroviral treatment and therapeutic vaccine trials within the U.S. and internationally. Dr. Persaud's laboratory is a subspecialty laboratory for the IMPAACT Network. She is the PI on several NIH-funded studies of HIV reservoirs in children and youth. Dr. Persaud is also the Director of the Pediatric Infectious Diseases Training Program at Johns Hopkins.

Saras Ramanathan, M.D., Assistant Professor of Ophthalmology, Wilmer Eye Institute

"There is nothing more invigorating than to teach someone something that they did know, yet wanted to learn." It is this philosophy that imbues Dr. Ramanathan in all of her activities at the Wilmer Eye Institute. She has dedicated her career to training the eye surgeons of tomorrow and to researching how we as a specialty can train each generation of eye surgeons better than the previous.

Dr. Ramanathan grew up in Seattle, Washington where she eventually attended medical school at the University of Washington. She went on to complete her ophthalmology residency at the University of Chicago, after which she joined the faculty and eventually served as Residency Program Director. She was then recruited to join the Wilmer faculty and help make improvements in residency education here. She is now one of the core teaching faculty for the Wilmer residency, with special emphasis on surgical training. It is her goal that resident surgical education should be taught in a manner that facilitates acquisition of skills in as "low-stress" an environment as possible, while at the same time, maintaining the utmost in patient safety. In other words, she is committed to balancing excellence in patient care

with excellence in resident training without compromising on either. Her efforts have been recognized as she has been awarded the L. Harrell Pierce Resident Teaching Award twice in the past four years here at Wilmer.

Dr. Ramanathan's research efforts mirror her work in resident education. She is currently designing a computer model of eye surgery and would like to continue this effort to create a complete virtual reality eye surgery simulator. While this effort may take a few years, it will fundamentally change how we teach eye surgery--instead of learning surgery on a patient, the resident will be able to first practice eye surgery on a computer! She is also designing on a formal web-based curriculum for introducing residents to cataract surgery, that will include lectures, surgical videos, wet-lab training, virtual reality surgical training, and finally, intraoperative experience. Her hope is that this will allow other ophthalmology training programs around the country in their efforts to deliver excellent resident surgical training in a systematic and methodical fashion. When she is not at the Wilmer Eye Institute, Dr. Ramanathan has another "full-time job", being a wife and mother of three.

Background & Training:

Dr. Scorpio received her BS degree in Animal Science from the University of Rhode Island in Kingston and her DVM degree from Michigan State University in East Lansing. She then worked as a private veterinary practitioner in two small animal clinics outside of Detroit. After 3 years of clinical work, she decided to pursue a career which would incorporate her love of infectious disease research with veterinary clinical practice. She then accepted a post-doctoral fellowship at the Johns Hopkins University School of Medicine in Comparative Medicine, while also gaining invaluable expertise in laboratory animal medicine and comparative pathology. While completing her fellowship in rickettsiology in the laboratory of Dr. Steve Dumler, Dr. Scorpio was completing a part-time MPH degree at the Bloomberg School of Public Health. She completed her post-doctoral fellowship and joined the faculty of the Department of Comparative Medicine, now Molecular and Comparative Pathobiology. She completed her MPH in 2004, while also becoming board-certified in the American College of Laboratory Animal Medicine. Dr. Scorpio continues her work in rickettsiology, studying *Anaplasma phagocytophilum* and granulocytic anaplasmosis, and she is currently investigating the immunopathogenesis of this disease and animal models of co-infection with *A. phagocytophilum* and *Borrelia burgdorferi*.

Diana Scorpio, MPH

Dr. Scorpio is currently developing her own research program in tick-borne bacterial pathogenesis and animal models of human and animal anaplasmosis and ehrlichiosis, with current interests in studies of bacterial co-infections transmitted by *Ixodes scapularis* (pathogens including *Anaplasma*, *Ehrlichia*, *Neorickettsia*, *Borrelia*). She also collaborates on several research projects with colleagues at Johns Hopkins and at other institutions, including non-human primate studies of dengue hemorrhagic fever and topical microbicide treatment for HIV in a macaque SIV model.

Dr. Scorpio also specializes in large animal preventative health, protocol development, surgery and anesthesia planning, anesthesia monitoring, and pain management. Her species expertise includes non-human primates, swine, dogs, cats, and rabbits. She is a voting member of the Institutional Animal Care and Use Committee at JHU, and has extensive institutional networks with investigators seeking her expertise in planning complex, large animal experimental protocols.

Dr. Scorpio is also very active in laboratory animal resident and post-doctoral fellow training. She consults on cases and assists fellows with clinical procedures and surgery. She recently developed the new trainee curriculum format with two other colleagues in the department to provide a more interactive and practical learning experience.

Sangeeta Sule MD, PhD

Dr. Sule is currently an Assistant Professor of Pediatrics at the Johns Hopkins University School of Medicine. She is a graduate of Tulane University and Baylor College of Medicine. Dr. Sule completed her residency training in Internal Medicine and Pediatrics and went on to specialize in Adult and Pediatric Rheumatology. Dr. Sule also recently completed her Ph.D. in Clinical Investigation through the Graduate Training Program in Clinical Investigation at the Johns Hopkins Bloomberg School of Public Health. Dr. Sule's main focus of research is in pediatric patients with systemic lupus erythematosus. Her research goal is to establish a cohort of pediatric patients with lupus and follow them longitudinally, collecting clinical and laboratory data at regular intervals. The goal is to identify predictors of disease activity in order to prevent permanent disease damage in this complicated autoimmune disease.

Maria Trent, MD, MPH

Dr. Trent is currently an Assistant Professor of Pediatrics at the Johns Hopkins University School of Medicine with a joint appointment in the Department of Population, Family & Reproductive Health at the Johns Hopkins Bloomberg School of Public Health. Dr. Trent is a graduate of Yale University, the University of North Carolina School of Medicine, and the Harvard School of Public Health. She is currently the Director of Interdisciplinary Training of the JHU Leadership in Adolescent Health Training Program and medical consultant for the Baltimore City Health Department School-Based Health Program. A major focus of Dr. Trent's research and professional interest has been on fertility preservation and management of menstrual disorders in adolescent girls. She provides primary and subspecialty clinical care to children and adolescents as a part of the Harriet Lane Program in the Johns Hopkins Children's Center. Dr. Trent was previously a Robert Wood Johnson Generalist Faculty Scholar and is now completing a career development program funded by the Centers for Disease Control and Prevention designed to develop a strategic approach to the management of complicated sexually transmitted infections in adolescents. Dr. Trent is the author of scientific research, editorials, book chapters, and patient-directed media materials in the field of adolescent health. She is also an active member of the Society for Adolescent Medicine for which she serves as a member of the research committee and as president-elect of the Chesapeake Chapter. She also serves executive board for the Section on Adolescent Health for the American Academy of Pediatrics.

Marlene S. Williams, M.D.

Dr. Marlene Williams is an Assistant Professor of Medicine in the Division of Cardiology. She attended medical school at Columbia University, College of Physicians and Surgeons and graduated in 1992. She completed her internal medicine residency at Johns Hopkins Hospital in 1995. Dr. Williams completed her training in cardiology at New York's Mount Sinai hospital and Johns Hopkins Hospital in 1999. She was hired on faculty at Johns Hopkins Hospital in May 1999 and has been the Associate Director of the

Johns Hopkins Bayview Cardiac Intensive Care unit since December 2007. Her research interests include platelet function and coronary atherosclerosis. She runs an independent platelet laboratory where she focuses on platelet physiology as it relates to the acute coronary syndrome. She is currently investigating the relationship between platelet polymorphisms and basic platelet function as well as the effects of platelet cyclooxygenase acetylation and variations in response in patients with coronary artery disease. Her research interests also include examining platelet function in depression and acute coronary syndrome. She is the mother of two daughters age 7 and 9 years old.

Jin Zhang, Ph.D.

Jin Zhang attended Tsinghua University for her undergraduate studies (BS, 1995), and pursued her graduate studies in chemistry at University of Chicago with Professor David Lynn (PhD, 2000). From 2000–2003, she was a postdoctoral fellow with Professors Roger Tsien and Susan Taylor at University of California, San Diego. Thereafter, she joined the faculty of Johns Hopkins University School of Medicine, where she is currently an Associate Professor of Pharmacology in the Department of Pharmacology and Molecular Sciences at the Johns Hopkins University School of Medicine with joint appointments in Neuroscience, Oncology and Chemical and Biomolecular Engineering Departments at Hopkins. Zhang's research focuses on achieving a more comprehensive understanding about cell signaling by adding time and space dimensions and dynamic information to the current map of signal transduction networks. She has received a number of awards, including a National Scientist Development Award from American Heart Association, Young Clinical Scientist Award from Flight Attendant Medical Research Institute, 3M Faculty Award from 3M Corporation, Margaret Oakley Dayhoff Award from the Biophysical Society, and most recently NIH Director's Pioneer Award from NIH. She is using her Pioneer Award to develop a new strategy for manipulating molecular force and perturbing biochemical activity in living systems via genetically engineered probes. The goal is to enable native biochemistry and biophysics studies to address many outstanding questions about the properties and behaviors of biomolecules in their native biological context.

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Office of Women in Science and Medicine Leadership Program for Women Faculty

2009 Cohort Bios

Megan H Bair-Merritt, MD, MSCE

Megan H Bair-Merritt, MD, MSCE is Assistant Professor of Pediatrics at the Johns Hopkins School of Medicine where her research focuses on the effects of domestic violence on children's health and well-being. Dr Bair-Merritt completed her residency training at The Children's Hospital of Philadelphia and received her Masters of Science in Clinical Epidemiology at the University of Pennsylvania School of Medicine's Center for Clinical Epidemiology and Biostatistics. Past publications include research studies examining the physical health and health care use of children exposed to domestic violence as well as studying effective ways to screen for domestic violence in the pediatric setting. Dr Bair-Merritt is currently funded through a Career Development Award from the National Institute of Child Health and Human Development at the National Institutes of Health. She has presented her work at numerous national pediatric and domestic violence conferences including the annual Pediatric Academic Societies' conference and Family Violence Prevention Fund conferences. She also was invited to and participated in two prominent child maltreatment workshops: Surgeon General Richard Carmona's workshop "Making Prevention of Child Maltreatment a National Priority" and Pennsylvania Secretary of Health Calvin Johnson's "Summit on Child Maltreatment." Her long term goal is to develop interventions that facilitate the healthy development of children exposed to domestic violence.

Lili A. Barouch, M.D.

Dr. Barouch is currently Assistant Professor of Medicine in the Division of Cardiology and a member of the Heart Failure and Cardiac Transplantation group at the Johns Hopkins University School of Medicine. Dr. Barouch received her undergraduate degree from Harvard University in 1992 and her medical degree from Johns Hopkins in 1996. She continued at Johns Hopkins for residency training in Internal Medicine, completed in 1999, and fellowship in Cardiovascular Disease, completed in 2003. Dr. Barouch has a longstanding interest in the role of obesity in the development of cardiac hypertrophy and heart failure, specifically, in the role of the obesity hormone, leptin, in the cardiovascular system. More recently she has been working on the relationship of leptin to the beta-3 adrenergic receptor and its downstream signaling mechanisms in the cardiac myocyte. She was recruited to join the cardiology faculty at Johns Hopkins in 2003 and has an independent research laboratory within the Cardiovascular Division. Clinically, Dr. Barouch attends on the Heart Failure Service at Johns Hopkins Hospital, and she has two children, ages 7 and 9.

Lauren Berkow, MD

Dr. Berkow is currently an Assistant Professor in the department of Anesthesia and Critical Care Medicine with a joint appointment in Otolaryngology, Head and Neck Surgery. She completed her residency training in Anesthesia at Johns Hopkins in 2000 and joined the full time faculty. She is the Director of Supplies and Equipment for Anesthesia as well as the Director of Difficult Airway Education. She is active in education and program development and holds the title of Assistant Residency Director.

Dr. Berkow's research interests include both airway management and Neuroanesthesia, and she has given invited lectures nationally on both topics. She teaches airway workshops at national conferences several times a year. She is an active member of the Society for Airway Management (SAM) and was recently elected to their board of Directors. She has also been selected by this society to co-chair the 2010 national SAM meeting and chair the 2011 SAM meeting. Dr. Berkow is actively involved in clinical teaching of anesthesia residents and has two small children, ages 4 and 7.

L. Ebony Boulware, MD MPH

L. Ebony Boulware, MD MPH is a General Internist and an Associate Professor of Medicine and Epidemiology, with primary appointments in the Division of General Internal Medicine and the Welch Center for Prevention, Epidemiology and Clinical Research. Her research aims to improve the equity and quality of health care for patients with chronic kidney disease (CKD). Using clinical epidemiological and outcomes research methods, her research studies have explored patient, population, and physician factors contributing to variation in CKD care, including variation in access to optimal therapies for renal replacement such as transplantation. Findings from Dr. Boulware's research have uncovered important aspects of patients' and physicians' interpersonal communication, personal beliefs, and behaviors, which contribute to variation and impact clinical outcomes. Dr. Boulware's work has a special focus on addressing ethnic/race disparities in the quality of CKD care and disparities in access to CKD care. She is the Principal Investigator of two large government-funded studies in which she and her colleagues have developed and are currently testing culturally sensitive interventions to address ethnic/race disparities in informed decision-making about kidney transplantation and other renal replacement therapies.

Julie R. Brahmer, M.D.

Dr. Julie Brahmer is an active clinical leader in the treatment of lung cancer and mesothelioma at the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins. As an active member of the Drug Development Program, she is continually in search of a drug or combination that can be developed for lung cancer treatment. Her current research interest focuses on the early development of novel immunotherapies for lung cancer. Dr. Brahmer received her medical degree from the University of Nebraska Medical Center and went on to complete an internship, residency, and chief residency in internal medicine at the University of Utah in Salt Lake City. In 1997 she began her fellowship training at the Johns Hopkins School of Medicine in medical oncology before joining the faculty. She is currently Assistant Professor of Oncology and is the Associate Director of the Johns Hopkins Clinical Research Network for Oncology clinical trials. Dr. Brahmer is active within the American Society of Clinical Oncology (ASCO), serving on many committees as well as the ASCO Lung Cancer Guidelines Committee. She is an active member of the Eastern Cooperative Oncology Group thoracic committee, where she has been the national principle co-investigator on several clinical trials. She serves on the Medical Advisory Board for the Lung Cancer Research Foundation. She is one of the founding board members of the National Lung Cancer Partnership and is chairman of the scientific committee.

Anne E Burke, MD, MPH

Dr. Burke is an Assistant Professor of Gynecology and Obstetrics at the Johns Hopkins University School of Medicine. She is a graduate of the University of Pittsburgh School of Medicine. She completed her residency at Pennsylvania Hospital in Philadelphia. This was followed by fellowship at Johns Hopkins, where she also graduated from the Johns Hopkins Bloomberg School of Public Health. She is currently the Director of the Family Planning Fellowship, based in the Department of Obstetrics and Gynecology at Bayview. She also participates as teaching faculty for training institutes sponsored by the School of Public Health, and for national contraceptive conferences. She is a clinical advisor to several nonprofit reproductive health organizations. She has worked on family planning projects internationally as well. Her clinical interests include family planning, as well as gynecologic care through the reproductive years into menopause. She has had a growing interest in the gynecologic manifestations of rheumatologic diseases, and she is now working with the recently established multidisciplinary center for Sjogren's syndrome at Johns Hopkins. Her current research projects include contraceptive use after abortion, reproductive outcomes after bariatric surgery, knowledge and attitudes about long-acting contraception, and HPV in perimenopause. She is also an investigator in several national, multicenter clinical trials of new contraceptive methods. Dr. Burke is an author of scientific research, editorials, and book chapters in family planning. She also is a mother to two daughters, ages 4 and 1.

Lisa Christopher-Stine , MD, MPH

Lisa Christopher-Stine is an Assistant Professor of Medicine and Neurology. She is a graduate of Franklin and Marshall College and she completed her medical training at Hahnemann University in Philadelphia. She joined the Johns Hopkins Division of Rheumatology after completing her Rheumatology Fellowship at The Johns Hopkins University in June, 2003. She is the Co-Director of The Johns Hopkins Myositis Center on the Johns Hopkins Bayview campus. Her research work, funded by the National Institutes of Health (NIAMS), centers upon the development of a comprehensive database of patients evaluated at The National Institutes of Health with autoimmune myositis and related diseases. Dr. Christopher-Stine is utilizing her training in epidemiology and biostatistics to develop improved diagnostic and classification criteria for these diseases. She has established a prospective myositis cohort at Johns Hopkins Hospital to undertake a longitudinal cohort study and initiate future intervention protocols for patients with autoimmune myositis. She is also the principal investigator or co-principal investigator for multiple myositis clinical trials taking place at Johns Hopkins. She has been instrumental in developing a comprehensive, multidisciplinary center for clinical research in which clinical, serologic, imaging, and pathologic information is collected in a systematic manner, with standardized follow-up at quarterly clinic visits. Additionally, blood samples are collected, on average, twice yearly, including storage for future studies.

Dr. Christopher-Stine's other research interest includes the etiology of statin-associated myotoxicity for which she has written medical reviews and recently presented her work on a new form of necrotizing myopathy that may have a link to statin therapy at the Plenary Session of the 2009 American College of Rheumatology meeting in Philadelphia. She also serves as the President of The Maryland Society for Rheumatic Diseases (MSRD), a branch of the Maryland Arthritis Foundation. MSRD is a professional

organization of rheumatologists and Allied Health Professionals. She is most delighted by her role as the mother of a 4 year-old little boy.

Anne Comi, MD

Dr. Comi is an Associate Professor in Neurology and Pediatrics and full-time faculty at the Kennedy Krieger Institute. She received her medical degree at SUNY Buffalo School of Medicine and received her residency training at the Children's Hospital of Buffalo and at Johns Hopkins. She directs the Hunter Nelson Sturge-Weber Center (<http://sturgeweber.kennedykrieger.org>) collaboration between faculty at the Kennedy Krieger Institute and Johns Hopkins (since 2002). This Center provides multidisciplinary visits for these patients and carries out clinical research to better understand, diagnose and treat this rare disorder that results in ischemic brain injury and seizures in affected infants and children. The SW Center has been funded by philanthropy, foundation grants, and grants from the NINDS. She is Co-PI on the SWS project of a recently funded rare disease consortium project (NIH). Long-term goals include leading the creation of a national database and network to foster clinical trials and studies of this syndrome. Dr. Comi also directs a translational laboratory research program funded by the NINDS (<http://neurosciencelab.kennedykrieger.org/ischemia/index.html>) focused on ischemic injury and seizures in the immature brain, utilizing a mouse stroke model. She is interested in the role of anticonvulsants and other therapeutic (including cellular) strategies in neuroprotection and in post-stroke recovery and neurogenesis. Her long-term goals for this program include the development of new strategies to improve outcome after neonatal and infant. She is married to Dr. Nick Morog and has two children.

Gail L. Daumit, MD, MHS

Gail Daumit is an Associate Professor of Medicine in the Division of General Internal Medicine, Department of Medicine at the Johns Hopkins Medical Institutions and a core faculty member of the Welch Center for Prevention, Epidemiology and Clinical Research. Dr. Daumit holds joint appointments in Psychiatry and at the Johns Hopkins Bloomberg School of Public Health in Epidemiology, Health Policy and Management and Mental Health. Dr. Daumit completed her undergraduate education at the University of Pennsylvania's Wharton School and received her M.D. at Emory University. She completed internal medicine residency training in primary care at Massachusetts General Hospital. Dr. Daumit came to Johns Hopkins to participate in the Robert Wood Johnson Clinical Scholars and General Internal Medicine fellowship programs and then joined the faculty.

Dr. Daumit's research program uses clinical epidemiology and health services research methods to focus on improving physical health and decreasing premature mortality in persons with severe mental

illnesses, who die on average 25 years earlier than the general population. She is directing a NIMH-funded clinical trial of a behavioral weight loss intervention in psychiatric rehabilitation programs in Maryland, and a peer-supported physical activity trial for persons with mental illness. Dr. Daumit also is completing a large medical record review study to understand factors related to patient safety adverse events during medical and surgical hospitalizations for persons with severe mental illness. She co-directed a study for the Johns Hopkins Evidenced Based Practice Center on the value of the periodic health evaluation. Dr. Daumit is a standing member of an NIMH grant review committee. She also co-directs the Clinical Epidemiology coursework for the Medical School's new Genes to Society curriculum and is a member of the Johns Hopkins Medicine Institutional Review Board.

Emily Gower, Ph.D.

Emily Gower, PhD is an Associate Professor in the Department of Ophthalmology with a joint appointment in the Department of Epidemiology at the Bloomberg School of Public Health. She is an epidemiologist/clinical trialist studying infectious causes of blindness. Her primary interests include improving outcomes following trichiasis surgery and reducing the risk of endophthalmitis following cataract surgery. Dr. Gower has been conducting clinical research in East Africa for nearly 10 years. Currently she is the PI on a clinical trial in Tanzania investigating the role of a new surgical device in helping to assist eye care workers with minimal training to perform trichiasis surgery successfully. The device was designed in collaboration with colleagues at Hopkins based on information collected in prior research conducted by Dr. Gower and her colleagues.

Dr. Gower recently completed a study investigating risk factors for endophthalmitis infection following cataract surgery. This case-control study found that injecting antibiotics into the eye at the end of surgery may help to reduce the risk of endophthalmitis. She hopes to continue this line of research by conducting a multicenter international clinical trial to investigate whether injecting moxifloxacin into the eye at the end of surgery can reduce the risk of endophthalmitis by at least 50%.

Lori Latowski Grover, OD, FAAO

Dr. Lori Grover has specialized in vision impairment and rehabilitation care for over 18 years. She has served as an Assistant Professor of Ophthalmology at Wilmer Eye Institute since 2007 and practices in the Department of Vision Rehabilitation. She is pursuing a PhD in Health Services Research and Policy at The Bloomberg School of Public Health. Dr. Grover is the PI on her NEI-funded K award entitled "A Model Transdisciplinary Health Care Team for Low Vision Rehabilitation". Since 1990, she has established private and hospital-based practices in five states, most recently in Scottsdale and Mesa, AZ where she also served as the Director of the Vision Rehabilitation Service at the Foundation for Blind Children in Phoenix. She also has an extensive educator background in didactic and clinical curricula development and has served as Chief, Department of Vision Rehabilitation at the Southern California College of Optometry. She is the Immediate Past Chair of the American Optometric Association Vision Rehabilitation Section (AOA VRS) and is a Fellow of the American Academy of Optometry where she is a Diplomate Candidate in Public Health. She remains an active consultant for state and local agencies on

vision rehabilitation and policy, is a frequent lecturer and international speaker on vision impairment. Her research interests include rehabilitation care and service delivery models and the economics of vision rehabilitation.

Christine A. Iacobuzio-Donahue, MD PhD

Christine A. Iacobuzio-Donahue is an Associate Professor of Pathology, Oncology and Surgery at the Johns Hopkins School of Medicine. Dr. Iacobuzio joined the full-time faculty at Hopkins in 2002 as an Assistant in the Department of Pathology and was promoted in 2003 to Instructor and then later in 2003 to Assistant Professor. Her training includes a postdoctoral fellowship in Gastrointestinal Oncology under the mentorship of Dr. Scott Kern M.D. (2000-2001) and a Gastrointestinal/Liver Pathology fellowship at Johns Hopkins (2002-2003). Prior to this, she completed an Anatomic Pathology Residency at The Johns Hopkins Hospital (1998-2002). She obtained both her M.D. and Ph.D. at Boston University School of Medicine (1991-1998), and obtained her bachelor's degree in Biology from Adelphi University in 1991. In addition to her clinical responsibilities on the gastrointestinal pathology service, Dr. Iacobuzio runs a federally funded research laboratory focused on the genetics and molecular mechanisms of cancer metastasis for which she supervises 3 postdoctoral fellows, two technicians and one graduate student.

Kathleen Kortte, Ph.D., ABPP (RP)

Dr. Kathleen Kortte is an Assistant Professor in the Department of Physical Medicine & Rehabilitation, Division of Rehabilitation Psychology and Neuropsychology. Clinically, she specializes in the practice of Rehabilitation Psychology and Neuropsychology with particular focus on providing assessment and intervention services for individuals with brain-based impairments in cognitive, behavioral, and emotional functioning. She has expertise in working with individuals with acquired brain injury and assisting these individuals in returning to life activities, such as working and resuming typical social roles. She serves as the Program Director of the Johns Hopkins Outpatient NeuroRehabilitation Program, which is comprehensive, community re-entry, post-acute brain injury program. Within this program, she directs an interdisciplinary team of rehabilitation professionals, including Speech-Language Pathologists, Occupational Therapists, Physical Therapists, Rehabilitation Neuropsychologists, Psychiatrists, and Social Workers.

Dr. Kortte's research interests focus on identifying and understanding cognitive and behavioral barriers to rehabilitation participation and outcomes. Greater understanding of such barriers will form the basis for the development of interventions to address the barriers and improve engagement in the rehabilitation process and life activities. Currently, Dr. Kortte has an NIH grant to investigate awareness syndromes (i.e., anosognosia, denial of illness, and apathy) during the hyperacute phase of recovery following the onset of brain injury. She is also interested in the barriers of fatigue and cognitive dysfunction and how these relate to decreased life participation following onset of acquired brain injury.

Irene C. Kuo, M.D

Irene C. Kuo, M.D., is Associate Professor of Ophthalmology at the Wilmer Eye Institute, and Medical Director of the Wilmer Eye Institute at White Marsh, MD. Dr. Kuo received her bachelor's degree at the Massachusetts Institute of Technology. She obtained her MD at the University of California at San Francisco, completed her residency at the University of Southern California/Doheny Eye Institute, and her fellowship in cornea, refractive surgery, and uveitis at the University of California at San Francisco/Proctor Foundation. She was recruited from fellowship to start the program at White Marsh.

A corneal specialist, Dr. Kuo has clinical expertise in laser refractive surgery (LASIK PRK, femtosecond laser surgery), corneal disease and surgery, corneal transplant and cataract surgery, and uveitis. A busy surgeon, she is certified to implant newer lens implants, including multifocal and astigmatism-correcting lenses. Her research activities include clinical outcomes of laser refractive and cataract surgery, wound healing after keratorefractive procedures, and the evaluation and treatment of infectious keratitis. She has received awards from the Heed Foundation and from the Eye Bank Association of America for her research. She has received the designation of one of America's "Top Ophthalmologists" and received a 2008 Patients' Choice Award. In addition to memberships in the American Academy of Ophthalmology and other societies, she is a member of the Cornea Society, an honorary society to which membership is based on a thesis and publications. She greatly enjoys being mother to a happy, inquisitive, enthusiastic little girl.

Dawn LaPorte, MD

Dawn LaPorte, MD is an Associate Professor in the Department of Orthopaedic Surgery at the Johns Hopkins University School of Medicine and clinical faculty at The Curtis National Hand Center. Dr. LaPorte received her medical degree from Johns Hopkins and continued at Johns Hopkins for her Orthopaedic Residency. She then completed a hand and upper extremity fellowship at The Curtis National Hand Center. She has been on faculty at Johns Hopkins since 2001 and her clinical practice includes the hand and upper extremity with a focus on the wrist. She is also the Orthopaedic Surgery Residency Program Director and her current research focuses on resident education as well as musculoskeletal education in non-orthopaedic residents. She is currently working on a book with two of her residents and a colleague in Emergency Medicine that will focus on teaching non-orthopaedic residents about orthopaedic emergencies. She is involved in the American Society for Surgery of the Hand and has developed their Resident Educators Workshop and cochaired this for three years at the national meeting. She has three children, ages 6, 9, and 11.

Susan Lehmann, M.D.

Susan Lehmann, M.D. is an Assistant Professor in the Department of Psychiatry and Behavioral Sciences at the Johns Hopkins University School of Medicine. She received her undergraduate degree from Cornell University and is a graduate of Cornell University Medical College. She did her residency training in Psychiatry at Johns Hopkins and then completed a fellowship in Geriatric Psychiatry at Johns Hopkins was well in 1989. She has subspecialty certification in Geriatric Psychiatry and is a recipient of the 2009 American Psychiatric Association Nancy C.A. Roeske, M.D., Certificate of Recognition for Excellence in Medical Student Education. She has been the Director of the Geriatric Psychiatry Day Hospital since

1992 and has been the Director of the Geriatric Psychiatry Outpatient Clinic since 2008. Since 2004 she has been the Director of the basic Psychiatry Clerkship and the Director of Medical Student Education in Psychiatry in the clinical years and leads the Educational Policy Committee for the Department of Psychiatry. She has published articles and book chapters on a variety of topics related to psychiatric disorders in geriatric patients. She has been especially interested in late-life mood disorders, particularly late-life bipolar disorder, and the outpatient management of older patients with severe mental disorders.

Lisa L. Maragakis, M.D., M.P.H.

Lisa Maragakis is an Assistant Professor of Medicine at The Johns Hopkins University, Department of Medicine, Division of Infectious Diseases and an Associate Hospital Epidemiologist at the Johns Hopkins Hospital. She received her medical degree and post-doctoral training in Infectious Diseases at The Johns Hopkins University School of Medicine and a master's degree in public health from The Johns Hopkins University Bloomberg School of Public Health. Dr. Maragakis' research interest is the epidemiology, prevention and control of healthcare-acquired infections caused by antimicrobial-resistant gram negative bacilli. Her research regarding the epidemiology, diagnosis, and treatment of multidrug-resistant gram-negative organisms is funded by a Health Protection Research Initiative grant and an Applied Research in Antimicrobial Resistance grant, both from the Centers for Disease Control and Prevention (CDC). Dr. Maragakis also has a research interest in the prevention of healthcare-associated infections. Recent research investigated an association between the intra-operative fraction of inspired oxygen and surgical site infections following spinal surgery; ongoing research investigates methods to reduce antimicrobial use associated with ventilator associated pneumonia and catheter-associated urinary tract infection. Dr. Maragakis is a member of the Infectious Diseases Society of America (IDSA) and the Society for Healthcare Epidemiology of America (SHEA). She is the liaison representing SHEA to the Healthcare Infection Control Practices Advisory Committee (HICPAC) at the CDC.

Guo-li Ming, MD, PhD

Dr. Guo-li Ming currently is an Associate Professor of Neurology with a secondary appointment in the Department of Neuroscience at Johns Hopkins University School of Medicine. She is an investigator in the Institute for Cell Engineering and a member of the Graduate Training Program in Neuroscience and Program in Cellular and Molecular Medicine. Dr. Ming completed her MD training at Tongji Medical University in China in 1994 and received her Ph. D in 2002 at University of California, San Diego. She joined Hopkins in the year of 2003. Her research focuses on understanding the molecular and cellular mechanisms regulating neuronal navigation during early embryonic development and in the adult nervous system. Her program is also interested in developing approaches for promoting nerve regeneration after injury or degenerative neurological diseases. As part of this effort, using patient specific –induced pluripotent stem cells, Dr. Ming's group is working on understanding function of genes

involved in human neural development and neural developmental disorders, such as Rett syndrome and Trisomies.

Constance L. Monitto, MD

Dr. Monitto is an Assistant Professor in the Division of Pediatric Anesthesia in the Department of Anesthesia and Critical Care Medicine. She completed her residency training in pediatrics at The Children's Hospital, Boston, and her residency and subspecialty training in anesthesia and pediatric anesthesia at Massachusetts General Hospital and The Children's Hospital of Philadelphia, respectively. After remaining on staff at CHOP for two years, she joined the pediatric anesthesia faculty at Johns Hopkins Hospital in 1994. Dr. Monitto's clinical work focuses on intraoperative anesthetic management of pediatric patients as well as attending on the pediatric acute pain service. She is actively involved in clinical teaching of anesthesia residents. Her research interests include both pediatric pain management and some nonclinical research in genetics. She is a member of the American Society of Anesthesiologists, the American Academy of Pediatrics, and the Society for Pediatric Anesthesia.

Karin J Neufeld, MD, MPH

Dr. Neufeld is an Assistant Professor and is a clinician educator in the Department of Psychiatry and Behavioral Sciences at the Johns Hopkins School of Medicine. In 2008 she assumed the Directorship of the Psychiatric Consultation Service for the Johns Hopkins Hospital, known as General Hospital Psychiatry. In addition to organizing and providing clinical attending duties, she spearheads an ambitious teaching program, providing clinical experiences for all of the Psychiatry as well as Neurology PGY III housestaff and roughly one quarter of all medical students during their psychiatric clerkships. Dr. Neufeld's burgeoning clinical enterprise includes the collaboration with wide-ranging departments in the hospital on the identification, treatment and prevention of delirium. Current initiatives include the testing of psychometric properties of delirium screening tools used in these clinical settings. Outcomes are being used to guide hospital-wide institutional policy on the approach to this ubiquitous and expensive medical complication and will contribute to the peer-reviewed literature. Her additional research interests include the care of patients with severe and persistent co-occurring disorders, including those related to substance use. In addition to numerous scholarly publications on the best treatment approaches for patients with substance use, Dr. Neufeld is also engaged in testing the best teaching approaches for medical trainees in the care of patients with substance use disorders, ensuring that trainees aspire to provide the best possible care for those some of the most afflicted individuals in our society.

Sara I. Pai, MD, PhD

Sara Pai, MD, PhD is an Assistant Professor in the Departments of Otolaryngology-Head and Neck Surgery and Oncology. She received her undergraduate degree from Dartmouth College and completed the MD/PhD program at Johns Hopkins. Her doctoral training was focused in immunology and cancer vaccine development. Subsequently, she completed her residency training in the Department of Otolaryngology-Head and Neck Surgery at Johns Hopkins and joined the faculty in 2007. Her clinical practice focuses on thyroid/ parathyroid surgery as well as management of human papillomavirus

(HPV)-associated head and neck cancer patients. Her research interests include the development of novel cancer vaccine strategies against head and neck cancers as well as understanding mechanisms of immune escape utilized by cancer cells. She leads an HPV working group at Johns Hopkins which includes head and neck surgeons, medical and radiation oncologists, pathologists, speech language pathologists, and epidemiologists. Dr. Pai is the clinical PI on a phase I clinical trial funded by the NIH Head and Neck SPORE Program which plans to administer a novel HPV DNA vaccine to patients with HPV-associated head and neck cancers. She also serves as a co-PI on the collaborative Head and Neck SPORE project which studies HIV patients who develop head and neck cancer.

Deborah Persaud, MD

Deborah Persaud, MD, is an Associate Professor in the Department of Pediatrics, Division of Infectious Diseases. She received her medical degree from New York University School of Medicine and completed her residency and Chief Residency training at Babies Hospital at Columbia University in New York City. During her fellowship training at New York University School of Medicine, she received an Aaron Diamond AIDS Research Fellowship award where she initiated her studies on mother-to-child transmission of HIV. Dr. Persaud joined the faculty at Johns Hopkins University School of Medicine in 1998 where she initiated her studies on the pathogenesis of HIV persistence and antiretroviral drug resistance in children for which she was the recipient of a Doris Duke Clinical Scientist Award. Her research interest is on viral reservoirs for HIV in children, youth, and their implications for therapy. She is the recipient of the 2004 Elizabeth Glaser Scientist Award and serves on several committees for the International Maternal Pediatric Adolescent AIDS Clinical Trials (IMPAACT) Network where she participates as the protocol virologists for several clinical trials of novel antiretroviral treatment and therapeutic vaccine trials within the U.S. and internationally. Dr. Persaud's laboratory is a subspecialty laboratory for the IMPAACT Network. She is the PI on several NIH-funded studies of HIV reservoirs in children and youth. Dr. Persaud is also the Director of the Pediatric Infectious Diseases Training Program at Johns Hopkins.

Saras Ramanathan, M.D., Assistant Professor of Ophthalmology, Wilmer Eye Institute

"There is nothing more invigorating than to teach someone something that they did know, yet wanted to learn." It is this philosophy that imbues Dr. Ramanathan in all of her activities at the Wilmer Eye Institute. She has dedicated her career to training the eye surgeons of tomorrow and to researching how we as a specialty can train each generation of eye surgeons better than the previous.

Dr. Ramanathan grew up in Seattle, Washington where she eventually attended medical school at the University of Washington. She went on to complete her ophthalmology residency at the University of Chicago, after which she joined the faculty and eventually served as Residency Program Director. She was then recruited to join the Wilmer faculty and help make improvements in residency education here. She is now one of the core teaching faculty for the Wilmer residency, with special emphasis on surgical training. It is her goal that resident surgical education should be taught in a manner that facilitates acquisition of skills in as "low-stress" an environment as possible, while at the same time, maintaining the utmost in patient safety. In other words, she is committed to balancing excellence in patient care

with excellence in resident training without compromising on either. Her efforts have been recognized as she has been awarded the L. Harrell Pierce Resident Teaching Award twice in the past four years here at Wilmer.

Dr. Ramanathan's research efforts mirror her work in resident education. She is currently designing a computer model of eye surgery and would like to continue this effort to create a complete virtual reality eye surgery simulator. While this effort may take a few years, it will fundamentally change how we teach eye surgery--instead of learning surgery on a patient, the resident will be able to first practice eye surgery on a computer! She is also designing on a formal web-based curriculum for introducing residents to cataract surgery, that will include lectures, surgical videos, wet-lab training, virtual reality surgical training, and finally, intraoperative experience. Her hope is that this will allow other ophthalmology training programs around the country in their efforts to deliver excellent resident surgical training in a systematic and methodical fashion. When she is not at the Wilmer Eye Institute, Dr. Ramanathan has another "full-time job", being a wife and mother of three.

Background & Training:

Dr. Scorpio received her BS degree in Animal Science from the University of Rhode Island in Kingston and her DVM degree from Michigan State University in East Lansing. She then worked as a private veterinary practitioner in two small animal clinics outside of Detroit. After 3 years of clinical work, she decided to pursue a career which would incorporate her love of infectious disease research with veterinary clinical practice. She then accepted a post-doctoral fellowship at the Johns Hopkins University School of Medicine in Comparative Medicine, while also gaining invaluable expertise in laboratory animal medicine and comparative pathology. While completing her fellowship in rickettsiology in the laboratory of Dr. Steve Dumler, Dr. Scorpio was completing a part-time MPH degree at the Bloomberg School of Public Health. She completed her post-doctoral fellowship and joined the faculty of the Department of Comparative Medicine, now Molecular and Comparative Pathobiology. She completed her MPH in 2004, while also becoming board-certified in the American College of Laboratory Animal Medicine. Dr. Scorpio continues her work in rickettsiology, studying *Anaplasma phagocytophilum* and granulocytic anaplasmosis, and she is currently investigating the immunopathogenesis of this disease and animal models of co-infection with *A. phagocytophilum* and *Borrelia burgdorferi*.

Diana Scorpio, MPH

Dr. Scorpio is currently developing her own research program in tick-borne bacterial pathogenesis and animal models of human and animal anaplasmosis and ehrlichiosis, with current interests in studies of bacterial co-infections transmitted by *Ixodes scapularis* (pathogens including *Anaplasma*, *Ehrlichia*, *Neorickettsia*, *Borrelia*). She also collaborates on several research projects with colleagues at Johns Hopkins and at other institutions, including non-human primate studies of dengue hemorrhagic fever and topical microbicide treatment for HIV in a macaque SIV model.

Dr. Scorpio also specializes in large animal preventative health, protocol development, surgery and anesthesia planning, anesthesia monitoring, and pain management. Her species expertise includes non-human primates, swine, dogs, cats, and rabbits. She is a voting member of the Institutional Animal Care and Use Committee at JHU, and has extensive institutional networks with investigators seeking her expertise in planning complex, large animal experimental protocols.

Dr. Scorpio is also very active in laboratory animal resident and post-doctoral fellow training. She consults on cases and assists fellows with clinical procedures and surgery. She recently developed the new trainee curriculum format with two other colleagues in the department to provide a more interactive and practical learning experience.

Sangeeta Sule MD, PhD

Dr. Sule is currently an Assistant Professor of Pediatrics at the Johns Hopkins University School of Medicine. She is a graduate of Tulane University and Baylor College of Medicine. Dr. Sule completed her residency training in Internal Medicine and Pediatrics and went on to specialize in Adult and Pediatric Rheumatology. Dr. Sule also recently completed her Ph.D. in Clinical Investigation through the Graduate Training Program in Clinical Investigation at the Johns Hopkins Bloomberg School of Public Health. Dr. Sule's main focus of research is in pediatric patients with systemic lupus erythematosus. Her research goal is to establish a cohort of pediatric patients with lupus and follow them longitudinally, collecting clinical and laboratory data at regular intervals. The goal is to identify predictors of disease activity in order to prevent permanent disease damage in this complicated autoimmune disease.

Maria Trent, MD, MPH

Dr. Trent is currently an Assistant Professor of Pediatrics at the Johns Hopkins University School of Medicine with a joint appointment in the Department of Population, Family & Reproductive Health at the Johns Hopkins Bloomberg School of Public Health. Dr. Trent is a graduate of Yale University, the University of North Carolina School of Medicine, and the Harvard School of Public Health. She is currently the Director of Interdisciplinary Training of the JHU Leadership in Adolescent Health Training Program and medical consultant for the Baltimore City Health Department School-Based Health Program. A major focus of Dr. Trent's research and professional interest has been on fertility preservation and management of menstrual disorders in adolescent girls. She provides primary and subspecialty clinical care to children and adolescents as a part of the Harriet Lane Program in the Johns Hopkins Children's Center. Dr. Trent was previously a Robert Wood Johnson Generalist Faculty Scholar and is now completing a career development program funded by the Centers for Disease Control and Prevention designed to develop a strategic approach to the management of complicated sexually transmitted infections in adolescents. Dr. Trent is the author of scientific research, editorials, book chapters, and patient-directed media materials in the field of adolescent health. She is also an active member of the Society for Adolescent Medicine for which she serves as a member of the research committee and as president-elect of the Chesapeake Chapter. She also serves executive board for the Section on Adolescent Health for the American Academy of Pediatrics.

Marlene S. Williams, M.D.

Dr. Marlene Williams is an Assistant Professor of Medicine in the Division of Cardiology. She attended medical school at Columbia University, College of Physicians and Surgeons and graduated in 1992. She completed her internal medicine residency at Johns Hopkins Hospital in 1995. Dr. Williams completed her training in cardiology at New York's Mount Sinai hospital and Johns Hopkins Hospital in 1999. She was hired on faculty at Johns Hopkins Hospital in May 1999 and has been the Associate Director of the

Johns Hopkins Bayview Cardiac Intensive Care unit since December 2007. Her research interests include platelet function and coronary atherosclerosis. She runs an independent platelet laboratory where she focuses on platelet physiology as it relates to the acute coronary syndrome. She is currently investigating the relationship between platelet polymorphisms and basic platelet function as well as the effects of platelet cyclooxygenase acetylation and variations in response in patients with coronary artery disease. Her research interests also include examining platelet function in depression and acute coronary syndrome. She is the mother of two daughters age 7 and 9 years old.

Jin Zhang, Ph.D.

Jin Zhang attended Tsinghua University for her undergraduate studies (BS, 1995), and pursued her graduate studies in chemistry at University of Chicago with Professor David Lynn (PhD, 2000). From 2000–2003, she was a postdoctoral fellow with Professors Roger Tsien and Susan Taylor at University of California, San Diego. Thereafter, she joined the faculty of Johns Hopkins University School of Medicine, where she is currently an Associate Professor of Pharmacology in the Department of Pharmacology and Molecular Sciences at the Johns Hopkins University School of Medicine with joint appointments in Neuroscience, Oncology and Chemical and Biomolecular Engineering Departments at Hopkins. Zhang's research focuses on achieving a more comprehensive understanding about cell signaling by adding time and space dimensions and dynamic information to the current map of signal transduction networks. She has received a number of awards, including a National Scientist Development Award from American Heart Association, Young Clinical Scientist Award from Flight Attendant Medical Research Institute, 3M Faculty Award from 3M Corporation, Margaret Oakley Dayhoff Award from the Biophysical Society, and most recently NIH Director's Pioneer Award from NIH. She is using her Pioneer Award to develop a new strategy for manipulating molecular force and perturbing biochemical activity in living systems via genetically engineered probes. The goal is to enable native biochemistry and biophysics studies to address many outstanding questions about the properties and behaviors of biomolecules in their native biological context.

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