

Irene Abraham, PhD, DABT, ERT



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Dr. Abraham is a Director in the Scientific and Regulatory Affairs Department at JT International SA in Geneva Switzerland. Prior to this she worked as a toxicologist for Toxicology Excellence for Risk Assessment. Overall, Dr. Abraham has more than 9 years of regulatory toxicology experience in both non-profit (consulting) and industry (fast-moving consumer goods) sectors. She has a PhD in toxicology from University of North Carolina Chapel Hill and a BS in chemistry from Virginia State University. Dr. Abraham is a diplomate of the American Board of Toxicology and is on the Eurotox Register. She has been a member of SOT since 2002. Prior to being appointed to the Committee on Diversity Initiatives (CDI) in 2016, she served CDI as both an Undergraduate Program Peer and Host Mentor.

James P. Luyendyk, PhD



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Dr. Luyendyk is a professor at Michigan State University in the Department of Pathobiology and Diagnostic Investigation. He received his bachelor's degree in biochemistry from Colorado State University and his PhD in Pharmacology and Toxicology from Michigan State University, after which he conducted postdoctoral studies at The Scripps Research Institute. Prior to joining the faculty at Michigan State University in 2012, he was a faculty member of the Department of Pharmacology, Toxicology, and Therapeutics at University of Kansas Medical Center. Dr. Luyendyk has published more than 95 peer-reviewed research articles and reviews in the areas of liver toxicity and disease. His current research focuses on processes whereby the blood coagulation cascade is activated by hepatic injury and the mechanisms whereby coagulation proteases and their targets, namely fibrinogen, contribute to the pathogenesis of liver toxicity and repair. He is currently a member of the editorial board of *Toxicological Sciences* and *Journal of Thrombosis and Haemostasis* and serves on the NIH XNDA Study Section. Dr. Luyendyk's commitment to the Society of Toxicology spans nearly two decades, including leadership positions on the Graduate Student Leadership Committee and Postdoctoral Assembly, service on the Education Committee and Graduate Education Subcommittee, service as Junior Councilor for the Mechanisms Specialty Section, and on the Council of the Michigan Regional Chapter as Councilor and President.

Lauren M. Aleksunes, PharmD, PhD



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Lauren Aleksunes attended the University of Connecticut where she received her BS and PharmD degrees in Pharmacy and her PhD degree in Pharmacology and Toxicology. She is currently a faculty member in the Department of Pharmacology and Toxicology at Rutgers University. Her laboratory investigates how transporter proteins protect against the toxicity of pharmaceuticals and environmental chemicals. Transporters act as gatekeepers to regulate the accumulation of toxicants inside of cells. Using state-of-the-art molecular biology approaches as well as translational human studies, Lauren's research team aims to answer critical questions about the toxicity of drugs and chemicals. Lauren has clearly enjoyed science since she was a child. On one Christmas morning, Lauren received a microscope as a gift and declared that she "could now start doing experiments." She now enjoys teaching high school, undergraduate, and graduate students about toxicology and developing their skills as the next generation of scientists.

Myrtle A. Davis, DVM, PhD, ATS



Executive Director of
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Dr. Myrtle Davis is the executive director for Discovery Toxicology in the Pharmaceutical Candidate Optimization (PCO) organization. Dr. Davis joined BMS from the National Cancer Institute where she was the Chief of the Toxicology and Pharmacology Branch of the Developmental Therapeutics Program. Myrtle has previous experience as a Research Advisor in the Drug Safety group of Lilly Research Laboratories. In these roles, she contributed critical expertise to the advancement of several drugs candidates and to the understanding of toxicological mechanisms. She also has several years of academic experience as an Associate Professor in the Department of Pathology in the School of Medicine at the University of Maryland.

Myrtle is currently responsible for leading the scientific efforts in Discovery Toxicology to provide target and molecular hazard identification and risk assessments for issues identified in discovery research. She also leads and oversees the investigative toxicology efforts needed to support mechanistic understanding of compound- or target-mediated toxicities in discovery and development.

Myrtle is a Fellow of the Academy of Toxicological Sciences, an active member of the Society of Toxicology (previously elected as a Councilor for the Society), and a member of the Society of Toxicologic Pathology. She is currently serving on the Board of Scientific Councilors of the National Toxicology Program and she is a reviewer for the Assay Development and Screening Technologies Laboratory of the National Center for Advancing Translational Sciences (NCATS). Myrtle served as an Associate Editor for Toxicological Sciences and Toxicologic Pathology and served as Editor-in-Chief of the ILAR Journal (Institute for Laboratory Animal Research of the National Academy of Sciences). She has authored several book chapters and co-authored peer-reviewed publications on a range of topics including apoptosis, toxicant-induced cell signaling, and biomarkers of tissue injury. She has also developed course content and lectures for medical and graduate student education.

A native New Yorker, Dr. Davis completed a postdoctoral fellowship in Toxicologic Pathology at the University of Maryland. She earned a PhD in toxicology from the University of Illinois Champaign-Urbana and obtained her Doctor of Veterinary Medicine degree from Tuskegee University School of Veterinary Medicine. Myrtle attended Tuskegee University where she pursued a BS degree in chemistry and mathematics followed by a Doctor of Veterinary Medicine.

Maureen R. Gwinn, PhD, DABT, ATS



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Dr. Maureen Gwinn is currently a senior science advisor in the National Center for Computational Toxicology (NCCT) in the Office of Research and Development (ORD), US EPA, focusing on research translation of alternative toxicity testing, particularly as it relates to hazard characterization and risk assessment for regulatory decision-making. Previously, Dr. Gwinn worked in the National Center for Environmental Assessment (NCEA) in ORD, where she worked on human health hazard assessments for the Integrated Risk Information System (IRIS) program. Dr. Gwinn has been a member of the Society of Toxicology since 2005 and has served in many nominated and elected capacities, including on the Education Committee. Dr. Gwinn earned her BS degree in biology at Bates College in Lewiston, Maine, in 1994 and her MS and PhD in oral biology at the State University of New York in Buffalo, New York, in 1997 and 2001, respectively. Dr. Gwinn became a diplomate of the American Board of Toxicology in 2007 and was nominated to the Academy of Toxicological Sciences in 2014. Dr. Gwinn lives and works in the DC area but remains a diehard Boston sports fan and looks forward to living in New England again someday.

Marquea D. King, PhD



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Dr. King is the director and program coordinator of the Office of Scientific Quality Review (OSQR) at the US Department of Agriculture's (USDA) Agricultural Research Service (ARS). She communicates and enforces agency policy and requirements regarding peer review, develops schedules, and provides direction to national program teams, area offices, and scientific staff concerning peer review. Marquea began her career with the Environmental Protection Agency (US EPA) in Washington, DC, as a postdoc in 2002 in the Office of Research & Development, working in inhalation toxicology. She also worked for two years in the Pesticide Re-evaluation Division as a chemical review manager mitigating risks to previously registered pesticide active ingredients. She transitioned to a role as a Designated Federal Official (DFO) under the Federal Advisory Committee Act (FACA) ensuring compliance with FACA law and any other applicable laws and regulations. She was a past co-chair and a founding member on the OPPs Toxicology Scientific Advisory Committee which provided science-based decisions and endpoint selections to support the chemical risk assessment teams. She has been the team leader for the Special Emphasis Program Managers for the OPP – encompassing seven different affinity groups as well as being Chair of the National Black Employment Program Advisory Council, working closely with senior management in the Offices of Civil Rights, Diversity, Outreach, and Collaboration, and Human Resources to integrate policies, programs, and serve as a resource when advocating for dissemination of information as it pertains to underrepresented groups within the US EPA. Marquea completed her bachelor's degree in chemistry from Delaware State University and a doctoral degree in toxicology from Virginia Polytechnic Institute & State University where she was trained in immunotoxicology and heavy metals. She is actively involved in community outreach and mentoring. She is the board vice-president at her local Boys & Girls Club as well as an invited speaker at various universities giving guidance and advice to graduate and undergraduate students, as well as school age children. She is also a member of Delta Sigma Theta Sorority, Incorporated.

Sharon Milgram, PhD



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Dr. Sharon Milgram worked for two years as a physical therapist before returning to graduate school at Emory University where she earned a PhD from the Department of Cell Biology and Anatomy. She completed her postdoctoral training in the Neuroscience Department at The Johns Hopkins University before joining the faculty at The University of North Carolina at Chapel Hill. There she rose to the rank of full professor with tenure in the Department of Cell & Developmental Biology. At UNC Dr. Milgram lead an active research program focused on the cell biology of polarized cells. Alumni of her research group work in a variety of STEM careers in all sectors. Dr. Milgram directed training grants from the NSF and NIH, including a Research Experience for Undergraduates (REU), an Maximize Student Diversity (IMSD) and a Cell and Molecular Biology training grant. She also directed the Interdisciplinary Biomedical Sciences graduate program and was the founder of the UNC Office of Postdoctoral Services. In 2007 Dr. Milgram joined the National Institutes of Health (NIH) where she directs the NIH Office of Intramural Training and Education, an office dedicated to providing career counseling and professional development opportunities for trainees in the NIH intramural Research Program. The OITE coordinates trans-NIH training programs at all educational levels, including the Summer Internship Program, NIH Intramural Postbac Programs, the Graduate Partnership Program, the Undergraduate Scholarship Program, and NIH Intramural Postdoctoral Programs. Dr. Milgram lectures widely on STEM careers and has a passion for working with trainees at all educational levels.

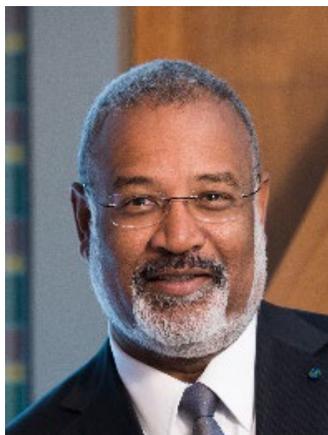
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Human xenobiotic particle inhalation exposures continue to increase in frequency and diversity and result in cardiovascular dysfunction. Despite the importance of microcirculation in all physiologic systems, our understanding of how it is affected by xenobiotic particle exposures is poor. Dr. Nurkiewicz's research program characterizes systemic microvascular effects of inhaled particles from two perspectives: 1) engineered nanomaterial exposures, and 2) environmental air pollution particulate matter. Dr. Nurkiewicz is keenly interested in how sex influences the microvascular outcomes of particle exposure or how sensitive populations, such as those with pre-existing disease, differentially respond to xenobiotics. His research actively pursues the mechanisms that link pulmonary exposures with systemic effects. His work is committed to preventing particle exposures or decreasing the severity of their impacts, as well as to identifying safe nanomaterial characteristics for use in biomedical applications. As a swimmer, Dr. Nurkiewicz began his career studying exercise science at Penn State in 1986. As the poster child for familial cardiovascular disease risk, he earned a master's degree in exercise physiology from West Virginia University (WVU) in 1992. With age, Dr. Nurkiewicz became more interested in sedentary physiology, and earned his PhD in microvascular physiology from WVU in 1999. He then studied at the feet of the gods of microcirculation at Texas A&M University. In 2002, Nurkiewicz was accused of academic inbreeding after returning to the Department of Physiology & Pharmacology at WVU. Shunned (but unphased) by his academic seniors, he was accepted by a pack of wolves at the National Institute for Occupational Safety and Health. There, Nurkiewicz learned toxicology and developed many of his cavalier characteristics, charming personality, and unique sense of humor. Dr. Nurkiewicz joined SOT in 2008 and has benefited from the many scientific and professional opportunities through the society. He has served SOT in numerous roles and ascended to the rank of full professor. From this ivory tower, Nurkiewicz now takes great pleasure annually reminding his once academic seniors of their shortsightedness. When he isn't correcting academic curmudgeons, Nurkiewicz enjoys the rush of his Corvette, the tranquility of fly-fishing, and is an aspiring mixologist (necessarily in that order).

Martin A. Philbert, PhD, ATS, FRSC



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Dr. Philbert is professor of toxicology and the Provost and Executive Vice President for Academic Affairs of the University of Michigan. Prior to becoming Provost in September 2017, he served as the Dean of the University of Michigan School of Public Health where he maintained a federally-funded portfolio of basic research activities throughout his career. His research focuses on the development of flexible polymer nanoplatfoms for optical sensing of ions and small molecules and the early detection and treatment of brain tumors. Other research interests include the mitochondrial mechanisms of chemically-induced neuropathic states. Most recently the National Institutes of Health, the Department of Air Force, and the National Cancer Institute have funded his work. He is the author of more than 200 peer-reviewed scholarly manuscripts, abstracts, and book chapters. Dr. Philbert served as the inaugural chair of the US EPA Chemical Assessment Advisory Committee that provides peer review of risk assessments produced under the auspices of the US EPA's Integrated Risk Information System and was a standing member of the Agency's Science Advisory Board. He also served a four-year term on the National Advisory Environmental Health Sciences Council of the National Institute of Environmental Health Sciences, as chair of the US EPA Board of Scientific Counselors, and chair of the US FDA Science Advisory Board. He provides consultation to the federal agencies on a variety of issues surrounding emerging nanotechnologies, nanomedicine, health, and safety. Dr. Philbert is an elected member of the Institute of Medicine of the National Academies of Science (USA), a fellow of the Royal Society of Chemistry (UK), a fellow of the Academy of Toxicological Sciences (USA), a member of the Division of Earth and Life Sciences of the National Academy of Science (USA), the Committee on Toxicology of the National Research Council (USA), and the Report Review Committee of the National Academies.

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Antony Williams is a cheminformatician at the National Center of Computational Toxicology working on delivering the center's data to the scientific community. He is an analytical scientist by training, specializing in nuclear magnetic resonance, and has over two decades of experience in cheminformatics and chemical information management. He was involved in the development of the world's first web-based laboratory information management systems (LIMS) at Kodak and was the chief science officer for the ACD/Labs cheminformatics software company. He served as the vice-president of strategic development for the Royal Society of Chemistry. He has worked extensively on complex data management issues with a focus on internet-based projects to deliver free-access community-based chemistry websites and services, specifically the ChemSpider database, originally his hobby project, which now has over 70 million chemicals and serves over 90,000 unique users per day. He has authored >220 papers, book chapters, and book regarding computer-assisted analysis of data, cheminformatics, and chemical information management. He is also passionate about teaching scientists how to benefit from the developing array of social networking tools and is known as the ChemConnector on the networks. Over the years he has had adjunct roles at a number of institutions and is presently adjunct at both UNC Chapel Hill and NC State University. He received the Jim Gray Award for eScience in 2012 and the American Chemical Society's North Carolina Distinguished Speaker of the Year award in 2016. He is an avid exerciser and is renowned for his Meat Loaf karaoke performances and superior British sense of humor.