

Biosketches for EPA Presenters

Office of the Administrator

Glenn Paulson, Ph.D. – Dr. Glenn Paulson is the Science Advisor to EPA Administrator Lisa P. Jackson. Dr. Paulson has over thirty-five years experience in environmental science, technology, and policy issues in the public, private, and academic sectors. He has directly managed emergency response, site assessment and/or cleanup at over 100 Superfund sites and RCRA facilities as well as spills or other releases of hazardous chemical and radioactive materials. He was selected as the first Chairman of the U.S. Department of Energy's Environmental Management Advisory Board and was also as a charter member of the U.S. Secretary of Energy's Advisory Board. Prior to his appointment by President Obama to EPA, Dr. Paulson was Associate Dean for Research and Professor of Occupational and Environmental Health at the University of Medicine and Dentistry of New Jersey's School of Public Health. In 1990, he founded Wyoming-based Paulson and Cooper, Inc., an energy and environment firm focused on hazardous and radioactive wastes with a global client base. Paulson has also served as Assistant Commissioner for Science at the State of New Jersey Department of Environmental Protection. He began his career at the Natural Resources Defense Council as a Staff Scientist and Director of the organization's Scientific Support Program. Dr. Paulson holds an Honorary Doctor of Science degree from Long Island University and was elected Fellow of the American Association for the Advancement of Science and the American Institute of Chemists and has received formal commendations from two U.S. Presidents, one U.S. Vice President, two U.S. Cabinet Secretaries, and the Governors of both New York and New Jersey. He holds a Ph.D. in Environmental Sciences and Ecology from The Rockefeller University in New York, New York and bachelor's degree in Chemistry from Northwestern University.

Office of Research and Development

Lek Kadeli – Mr. Kadeli is the Acting Assistant Administrator in EPA's Office of Research and Development (ORD). He has over 29 years of management experience in both government and the private sector, with broad experience in leading organizational change and improvement, policy development, resource management, information management and technology. Mr. Kadeli began his EPA career in 1990 as an analyst in the Office of the Comptroller, and also served as the Senior Budget Officer in EPA's Office of International Activities. He moved to ORD in 1993 to serve as Chief of Resource Planning and Program Coordination, and in 1998 served as the Acting Deputy Director of ORD's National Exposure Research Laboratory in Research Triangle Park, North Carolina. He was the director of ORD's Office of Resources Management and Administration from 2001 to 2005 before becoming the Deputy Assistant Administrator for Management. He previously served as the Acting Assistant Administrator for the Office of Research and Development from January through December of 2009. Mr. Kadeli received two of the Agency's highest awards for exemplary service: a Gold Medal for Distinguished Service, and the Lee Thomas Award for Excellence in Management. Mr. Kadeli graduated from George Mason University in 1983 with a B.A. in International Relations. In 1986, he earned an M.A. in National Security Studies from Georgetown University.

Robert Kavlock, Ph.D. – Dr. Kavlock is ORD's Deputy Assistant Administrator for Science. Bob received his PhD in Biology from the University of Miami in 1977 and has been with the US Environmental Protection Agency since that time. From 2005 to 2012, he was the director of the newly formed National Center for Computational Toxicology (NCCT) within EPA's Office of Research and Development (ORD). The mission of NCCT is to provide improved hazard and risk identification for assessment of environmental chemicals through the development of tools such as ToxRefDB, ToxCast, and ACToR. Prior to that time he spent 15 years as the Director of Reproductive Toxicology Division in EPA's National

Health and Environmental Effects Research Lab (NHEERL). In 2007, he was the recipient of ORD's Statesmen of the Year Award. He has published more than 170 scientific papers, 16 book chapters, and edited three books, including a co-editor of the *Global Assessment of the State-of-the-Science of Endocrine Disruptors* (WHO, 2002). He is a past president of the Teratology Society and is active in the Society of Toxicology. He was a member of the ALTX4 Study Section of NIH (1997-2001), holds adjunct appointments at Duke University and North Carolina State University, and is a member of the editorial boards of *Environmental Health Perspectives*, the *Journal of Toxicology and Environmental Health*, and *Birth Defects Part B: Developmental and Reproductive Toxicity*.

Peter Preuss, Ph.D. – Dr. Preuss is the Chief Innovation Officer in the Office of Research and Development (ORD), US EPA. He leads an interdisciplinary team charged with building an innovation infrastructure for science that will move US EPA forward on the path to sustainability. In their first year, Dr. Preuss and his team have already introduced several innovative ideas and approaches to ORD, including the use of collaborative platforms for research planning and competitive internal awards to promote high-risk, high-reward research. The team has established a cross agency innovation workgroup to help US EPA make effective use of open innovation challenges, prizes and awards delegated under the America Competes Act. Additionally, the team has launched an environmental pavilion on InnoCentive.com; a company that specializes in open source innovation for scientific and technical challenges. Currently Dr. Preuss and team are working closely with ORD's National Program Directors on high profile signature projects oriented around topics such as sustainable alternatives to toxic chemicals and net zero structures and communities. As his team endeavors to promote new air monitoring sensors and applications to enhance citizen science and citizen empowerment, Dr. Preuss continues to work to bring innovative science and technology research to the forefront of ORD's activities.

ORD National Program Directors

Tina Bahadori, Sc.D. – Dr. Bahadori is the National Program Director for EPA's Chemical Safety for Sustainability Research Program. Before joining EPA in May 2012, she was the managing director of the Long-Range Research Initiative at the American Chemistry Council. Dr. Bahadori is the past president of the International Society of Exposure Science and is an associate editor of the *Journal of Exposure Science and Environmental Epidemiology*. She has served as a member of several committees of the National Academies, as a peer reviewer for U.S. Environmental Protection Agency grants and programs, as a member of the Exposure to Chemical Agents Working Group for the National Children's Study, and as a member of the CDC NCEH/ATSDR Science Advisory Board and its National Conversation on Public Health and Chemical Exposure Leadership Council. Before joining the ACC, she was the manager of Air Quality Health Integrated Programs of the Electric Power Research Institute. Dr. Bahadori holds a doctorate in environmental science and engineering from the Harvard School of Public Health.

Daniel Costa, Sc.D., DABT. – Dr. Costa is currently the National Program Director for EPA's Air Climate & Energy Research Program. He previously served as NPD for the Clean Air Research Program and was Chief of the Pulmonary Toxicology Branch of EPA's National Health and Environmental Research Laboratory for 18 years, where he led an active group investigating the health effects of ozone, particulate matter as well as other air pollutants. He is a Diplomat and Past-President of the American Board of Toxicology (1994) and is Past-President of the Inhalation Specialty Section of the Society of Toxicology (1996) from which he received the Career Achievement Award (2003). He has served on a number of national and international review committees involving grants and air quality issues. He has authored / co-authored more than 160 refereed publications, 4 book editorships, and over 30 book chapters, conference proceedings and monographs. He maintains his involvement in research through

collaborations with NHEERL investigators, mainly focusing on the role of lung derived neurogenic modulation of cardiac function in models of cardiopulmonary disease. Dan earned his B.S. in Biology / Chemistry from Providence College, RI, an M.S. in Environmental Sciences from Rutgers, an M.S. and a Sc.D. (doctor of science) in Physiology / Toxicology from the Harvard School of Public Health.

Jonathan Herrmann, M.B.A. – Mr. Jonathan Herrmann serves as the National Program Director for the EPA's Homeland Security Research Program (HSRP), located in the Office of Research and Development. In addition, he is Director of the National Homeland Security Research Center (NHSRC). Jon is responsible for ensuring that the research conducted under HSRP is responsive to the needs of the Program's primary customers (Office of Solid Waste and Emergency Response, Office of Water, and Office of Homeland Security, Regional Offices). In addition, he works closely with NHSRC's senior leadership team and senior leaders in the Agency's program and regional offices to ensure that the research being conducted is coordinated and efficiently utilizes government funds; and that the delivery of products and the communication of results are timely and effective. Jon is involved with the White House Homeland Security Council and the Department of Homeland Security to ensure that HSRP's scientific and technical activities address the most pressing needs of the federal government with respect to terrorist threats and attacks, and more broadly, manmade and natural disasters. Jon holds an undergraduate degree in Civil Engineering and a Masters Degree in Business Administration. He is a Professional Engineer and Board Certified with the American Academy of Environmental Engineers. He is a member of the America Waterworks Association and the American Society of Civil Engineers.

Kenneth Olden Ph.D., Sc.D., L.H.D. – Dr. Olden is the Director of EPA's National Center for Environmental Assessment and the National Program Director for the Human Health Risk Assessment Research Program. From 1991-2005, Dr. Olden was director of the National Institute of Environmental Health Sciences (NIEHS) and the Nation Toxicology Program (NTP) in the U.S. Department of Health and Human Services. He was the first African American to become director of one of the NIH institutes. In 2005, he returned full time to his research position as Chief of The Metastasis Group in the Laboratory of Molecular Carcinogenesis at the NIEHS, which he also held while director. He held the position of Yerby Visiting Professor at the Harvard School of Public Health for the academic year 2006-2007, and became Founding Dean of the School of Public Health at the City University of New York. Ken has received many honors and awards including the Presidential Distinguished Executive Rank Award, the Presidential Meritorious Executive Rank Award for sustained extraordinary accomplishments, the Toxicology Forum's Distinguished Fellow Award, the HHS Secretary's Distinguished Service Award, the American College of Toxicology's First Distinguished Service Award, and the National Minority Health Leadership Award. He was elected to membership in the Institute of Medicine at the National Academy of Sciences in 1994 and appointed member of the Visiting Committee for the Harvard University Board of Overseers from 2007-2010. Ken received his Bachelor of Science in biology from Knoxville College, a Master of Science in genetics from the University of Michigan and a Doctorate in cell biology and biochemistry from Temple University.

Michael Slimak, Ph.D. – Dr. Slimak is the Director of EPA's Sustainable and Healthy Communities Research Program. Prior to accepting this position in April 2012, Mike was the Associate Director for Ecology in the National Center for Environmental Assessment (1995 – 2012) where he was responsible for developing and implementing research programs in ecological risk, climate change and ecosystems science. Mike was the Deputy Director of ORD's Office of Environmental Processes and Effects Research (1987-1995) responsible for directing research about the fate and effects of pollutants upon aquatic and terrestrial ecosystems. As Chief of the Ecological Effects Branch in the Pesticides Office (1985-1987), he was responsible for assessing the ecological risks associated with the use of pesticides. In the Office of

Toxic Substances (1983-1985), he managed a group responsible for evaluating the hazards of new and existing chemicals. He began his EPA career with the Office of Water (1978-1983), developing risk assessments for priority toxic water pollutants. He is a recognized authority on ecological risk assessments, ecological impacts of climate change, and the impacts of invasive species. He has authored numerous government-sponsored reports, has published in peer-reviewed journals and books, and has served on many inter-governmental committees and work groups. Mike holds a BS in Biology, MS in Wildlife Ecology, and a Ph.D. Environmental Science.

Suzanne van Drunick, Ph.D. – Dr. Suzanne van Drunick is the National Program Director for EPA's Safe and Sustainable Water Resources research program. Prior to coming to EPA, Suzanne was the Associate Director for Science at the Cooperative Institute for Research in Environmental Sciences at the University of Colorado Boulder. Suzanne is an environmental toxicologist with human health, ecosystem, and science policy experience. Prior to moving to Colorado, Suzanne was the Senior Program Officer for the Board of Environmental Studies and Toxicology of the National Academy of Sciences. She has provided expert advice on ecological risk assessment for protected and at-risk species in the San Francisco Bay Estuary and Sacramento-San Joaquin Delta. Suzanne earned a Bachelor of Science in Zoology and Animal Biology from Colorado State University, a Master in Science from the Johns Hopkins University School of Public Health and a Doctorate from the University of Maryland School of Medicine Department of Pathology.

Integrated Topic Presenters

Kate Z. Guyton, Ph.D. – Dr. Guyton is the Acting Deputy National Program Director for EPA's Human Health Risk Assessment Program. Dr. Guyton earned her BA (*cum laude*) from Johns Hopkins University and her PhD from the Johns Hopkins School of Public Health. She joined EPA in 2005 and was the co-chemical manager for the tetrachloroethylene IRIS assessment completed in February 2012. Additionally, she has played leadership roles supporting multiple efforts to apply recent scientific and methodological advances to improve human health risk assessment practices. Dr. Guyton is a Team Lead for EPA's NexGen risk assessment project and a Project Lead in ORD's Chemical Safety for Sustainability Research program. Prior to joining EPA, Dr. Guyton was the Director, Scientific Affairs at CCS Associates. Dr. Guyton has been certified as a Diplomate of the American Board of Toxicology since 1998 and has authored more than 50 scientific articles and book chapters in her areas of expertise.

C. Andrew Miller, Ph.D. – Dr. Miller is the Associate Director for Climate with the Air, Climate, and Energy Research Program. He has been with EPA's Office of Research and Development since 1991. Andy was previously Chief of the Atmospheric Protection Branch and has acted as the National Program Director for Global Change Research and for Particulate Matter Research. His areas of research are in characterization and control of combustion generated air pollution and the connections between energy and climate change. Andy has a PhD in Mechanical Engineering from North Carolina State University, and is the Chair of the Environmental Engineering Division of ASME (originally the American Society of Mechanical Engineers, but now just ASME).

Sally Perreault Darney, Ph.D. – Dr. Perreault Darney is currently Associate National Program Director for EPA's Sustainable and Healthy Communities Research Program. Sally received her Ph.D. in Anatomy and Reproductive Biology from the University of Hawaii School of Medicine in 1980 and completed a postdoctoral fellowship at the Johns Hopkins University School of Public Health before joining EPA's Office of Research and Development in 1984. From 2008-2011 she served as the Acting National Program Director for ORD's Human Health Research Program where much of ORD's research in children's health and vulnerability was implemented. This role included active engagement on the

planning teams for CSS and SHC as ORD's new programs took shape. She continues to contribute her expertise in reproductive toxicology, epidemiology and public health protection accumulated through twenty years as an ORD bench scientist in NHEERL's Reproductive Toxicology Division, and experience as its Director from 2004-7. She has published over 120 journal articles and review papers, some of which have been recognized through EPA Scientific and Technological Achievement Awards and Metals. Active on a number of inter-agency committees, including the National Children's Study Coordinating Committee, and the recently announced National Action Plan to Reduce Racial and Ethnic Asthma Disparities, she has also served as President of the American Society of Andrology (2006) and the Society for the Study of Reproduction (2011), and Editor-in-Chief of the Journal of Andrology (2007-12) and Associate Editor of Biology of Reproduction (2004-2007).

Anne W. Rea, Ph.D. – Dr. Rea is an Assistant Laboratory Director for the Safe and Sustainable Water Research Program at the US EPA where she aids in research planning and coordination. She is leading the cross-EPA nitrogen and co-pollutant research and policy integration effort. For several years she was a team lead and risk assessor in US EPA's Office of Air Quality Planning and Standards for both air toxics and the secondary National Ambient Air Quality Standards. She has participated on Metals Bioaccumulation, Population-Level Ecological Risk Assessment, and Ecosystem Services Technical Panels for the US EPA's Risk Assessment Forum and represented the risk assessment perspective on the Mickey Leland National Urban Air Toxics Research Center (NUARTC) Science Advisory Panel (SAP). She received her Ph.D. from the University of Michigan in Environmental Health Sciences, her research focused on the biogeochemical cycling of mercury and trace elements in forested ecosystems.

Douglas Wolf, Ph.D. – Dr. Wolf is currently an Assistant Laboratory Director in the EPA's National Health and Environmental Effects Research Laboratory with responsibilities in research planning and coordination for the Chemical Safety for Sustainability research program. Dr. Wolf graduated in 1981 from the University of Missouri with his D.V.M. and, after 6 years in clinical veterinary practice, he attended Purdue University where, in 1991, he completed his pathology residency and Ph.D. in Veterinary Pathology. Doug was a staff scientist for 6 years at the Chemical Industry Institute of Toxicology (CIIT) where he studied chemical carcinogenesis. From 1997 until 2007 he was a principal investigator at the National Health and Environmental Effects Research Laboratory (NHEERL) of the U. S. EPA where he continued his work in carcinogenesis and molecular pathology. He has also held leadership roles at EPA as a Branch Chief and Director of the Exposure Assessment and Policy Coordination Division in the Office of Science Coordination and Policy, OCSPP, the Division responsible for the Endocrine Disruptor Screening Program. Doug has authored or co-authored over 125 journal articles, book chapters, and technical reports and has presented his work at numerous scientific meetings. Dr. Wolf sits on many working groups, committees, and scientific review organizations. In 2004 Dr. Wolf was elected a Fellow of the International Academy of Toxicologic Pathologists and in 2007 elected as a Fellow of the Academy of Toxicological Sciences.