National Children's Study Federal Advisory Committee
Member Biographies

Alan R. Fleischman, MD, is Chair of the Federal Advisory Committee and Ethics Advisor to the National Children's Study at the National Institute of Child Health and Human Development, National Institutes of Health (NIH), and Senior Advisor at the New York Academy of Medicine. He is also Clinical Professor of Pediatrics and Clinical Professor of Epidemiology and Population Health at the Albert Einstein College of Medicine in New York.

Born in New York City, Dr. Fleischman graduated Phi Beta Kappa from the City College of New York and Alpha Omega Alpha from the Albert Einstein College of Medicine. He continued his education in Pediatrics at the Johns Hopkins University Hospital in Baltimore, Maryland, and completed a Fellowship in Perinatal Physiology at NIH and through a Royal Society of Medicine Foundation Scholarship at Oxford University in England. He joined the faculty at the Albert Einstein College of Medicine and the Montefiore Medical Center in 1975, where he became Professor of Pediatrics and Professor of Epidemiology and Social Medicine and served as Director of the Division of Neonatology until 1994. In 1994, he became Senior Vice President of the New York Academy of Medicine, where he was responsible for initiatives in urban health, medical education, public policy, bioethics, and public health.

He was a member of the American Academy of Pediatrics Bioethics and AIDS Committees, a member of the National Human Research Protections Advisory Committee for the Office of Human Research Protections in the U.S. Department of Health and Human Services (DHHS), and an expert advisor to the Institute of Medicine's Committee on Clinical Research Involving Children. He is currently a member of the New York State Governor's Task Force on Life and the Law, a member of the DHHS Secretary's Advisory Committee on Human Research Protections' Subcommittee on Research Involving Children, and a member of the Institute of Medicine Committee on Ethical Issues in Housing-Related Health Hazard Research Involving Children, Youth, and Families.

Marion J. Balsam, MD, is currently the Executive Secretary of the Federal Advisory Committee and Research Partnerships Program Director for the National Children's Study, National Institute of Child Health and Human Development, National Institutes of Health. She is also a Diplomate of the American Board of Pediatrics and a Fellow of the American Academy of Pediatrics, where she has served on numerous committees, most recently on the Task Force on Terrorism.

Dr. Balsam received her Bachelor of Arts degree with honors in philosophy from Cornell University. She then attended the New York University School of Medicine where she was awarded a Doctor of Medicine degree. After an internship at Bellevue Hospital, New York, she completed residency training in pediatrics and a fellowship in metabolic disease, both at the Children's Hospital of Philadelphia.

Following formal medical training, Dr. Balsam worked in Guam and the Trust Territories of Micronesia as Chief of the Crippled Children's Services Program (Department of Public Health) and as the first Medical Director for the Head Start Programs of Guam and the Trust Territories. She then joined the United States Navy, where she served as a pediatrician, pediatric department chair, pediatric residency program director, medical director, executive officer, and commanding officer of various teaching hospitals. She served in London as the Fleet Medical Officer for the Commander in Chief, Naval Forces Europe, and the Lead Agent for TRICARE Europe, and in 1998 was promoted to the rank of Rear Admiral. Her final naval assignment was as Commander of Naval Medical Center, Portsmouth, Virginia, and as Lead Agent for TRICARE (the military managed healthcare system) for the mid-Atlantic region. She retired from the Navy as a Rear Admiral in 2000. She has authored several scientific publications, most of which pertain to metabolic disorders in children.

Linda M. Burton, PhD, is Director of the Center for Human Development and Family Research in Diverse Contexts and Professor of Human Development and Family Studies and Sociology at the Pennsylvania State University.

Dr. Burton earned her Doctor of Philosophy in sociology in 1985 from the University of Southern California. She was a Spencer Foundation Fellow, Brookdale National Fellow, William T. Grant Faculty Scholar, and Fellow at the Center for Advanced Study in the Behavioral Sciences at Stanford University. She is the former Director of the National Institute of Mental Health-sponsored Research Consortium on Diversity, Family Processes, and Child Adolescent Mental Health and the Consortium's Multisite Postdoctoral Training Program.

Dr. Burton's research explores the relationship between community contexts, poverty, intergenerational family structure and processes, and developmental outcomes across the life course in ethnic/racial minority populations. She is currently one of six principal investigators involved in an extensive, longitudinal, multisite, multilevel study of the impact of welfare reform on families and children (*Welfare, Children, and Families: A Three-City Study).* She directs the ethnographic component of the *Three-City Study* and is also principal investigator of an ethnographic study of rural poverty and child development (*Family Life Project*).

Robert Chapin, PhD, is Head, Investigative Developmental Toxicology Lab for Pfizer Inc. He leads a group of investigative developmental toxicologists and works on mechanisms of female reproductive toxicity and fetal developmental toxicology. Dr. Chapin spent 18 years at the National Institute of Environmental Health Sciences, working on mechanisms of male reproductive toxicity. His interests include measures of fertility, mechanisms of toxicity, and measures of toxicity.

Dr. Chapin received his Bachelor of Arts degree with departmental honors in Biology from Earlham College. He then attended the University of North Carolina at Chapel Hill and completed a doctoral degree in Pharmacology. Dr. Chapin has also completed a postdoctoral fellowship with the Chemistry Industry Institute of Toxicology.

Dr. Chapin has been involved in a number of external professional societies such as the Society of Toxicology, American Association for the Advancement of Science (AAAS), and the American Society of Andrology. He has also previously played an active role in the National Children's Study as co-chair of a Working Group in the planning phase of the Study.

Frank A. Chervenak, MD, is Professor, Chairman, and the Director of Maternal Fetal Medicine of the Department of Obstetrics and Gynecology at the NewYork-Presbyterian Hospital, Weill Medical College of Cornell University. Currently he serves as President of the International Society of the Fetus as a Patient. Dr. Chervenak has been a participant on the Board of Governors of the American Institute in Ultrasound and Medicine, the Society of Perinatal Obstetricians, the Ian Donald Inter-University School of Medicine and Ultrasound, the World Society of Labor and Delivery, and the World Association of Perinatal Medicine.

Dr. Chervenak received a Bachelor of Science degree from Pennsylvania Sate University. He was then awarded a medical degree from Jefferson Medical College.

Dr. Chervenak has held a number of academic appointments at Yale University School of Medicine, Mount Sinai School of Medicine, and Medical College of Cornell University.

In addition, he holds membership with the following organizations: American Medical Association, Martin L. Stone Obstetrical and Gynecological Society of New York medical College, Society of Perinatal Obstetricians, American Institute of Ultrasound in Medicine, New York Perinatal Society, American College of Obstetricians and Gynecologists, Society for Gynecologic Investigation, New York Obstetrical Society, New York Academy of Medicine, International Fetal Medicine and Surgery Society, Association of Professors of Gynecology and Obstetrics, International Society of Ultrasound in Obstetrics and Gynecology, Society for Health and Human Values, International Society of the Fetus as the Patient, New York Academy of Sciences, and American Gynecologic and Obstetric Society.

Giselle Corbie-Smith, MD, MS, is Associate Professor of Social Medicine and Medicine at the University of North Carolina (UNC) at Chapel Hill, as well as the Director of the Program on Health Disparities at the UNC Cecil G. Sheps Center for Health Services and Research.

Dr. Corbie-Smith was awarded a Bachelor of Arts degree in Biology from Cornell University. She then went on to complete a medical degree at Albert Einstein College of Medicine and a residency in Internal Medicine at Yale University. In addition, she holds a Master of Science in Clinical Research from the Epidemiology Department at Emory University.

Dr. Corbie-Smith teaches in a wide variety of settings including the Department of Social Medicine and through research mentorship. Her teaching has focused in several

areas: the health and health care of underserved populations, research methods, and research ethics especially as related to research involving minority subjects. She currently maintains a clinical practice at a local community health center. Her main focus areas include barriers to minority participation in research, access to care, and the influence of culture, race, ethnicity, and social class on health.

George P. Daston, PhD, is a Research Fellow with Procter and Gamble's Miami Valley Labs. He is also an adjunct professor in the Department of Pediatrics and Developmental Biology Program at the University of Cincinnati and Children's Hospital Research Foundation. He lectures in courses on teratology, developmental biology, toxicology, and risk assessment. He was elected a Fellow of AAAS in 1999.

Dr. Daston received his Doctor of Philosophy degree in biology from the University of Miami and did post-doctoral work at the U.S. Environmental Protection Agency, Research Triangle Park. He then became an Assistant Professor of Biological Sciences at the University of Wisconsin, Milwaukee. In 1983, he moved on to work for Procter and Gamble, where he served progressively as staff scientist, group leader, principal research scientist, and research fellow.

Dr. Daston has spent his entire career researching the effects of exogenous chemicals on the developing embryo, fetus, and child. His research interests include teratogenic mechanisms, *in vitro* methodologies, and risk assessment. He has published more than 90 peer-reviewed articles, reviews, and book chapters, and has edited three books. His most recent research includes genomic approaches to endocrine disrupter screening and improvements in risk assessment methodology for non-cancer endpoints.

Dr. Daston's activities in professional societies include serving as Chair of the Developmental and Reproductive Toxicology Technical Committee of ILSI-Health Effects Sciences Institute (1996–2004); President of the Society of Toxicology's Reproductive and Developmental Toxicology Specialty Section (1994–1995); President of the Teratology Society (1999–2000); member of the National Academy of Sciences Board on Environmental Studies and Toxicology (1995–1998); Councilor of the Society of Toxicology (2001–2003); member of the U.S. Environmental Protection Agency Board of Scientific Counselors; and member of the National Toxicology Program Board of Scientific Counselors. Dr. Daston is Editor-in-Chief of *Birth Defects Research: Developmental and Reproductive Toxicology*, on the Editorial Board of *Human and Ecological Risk Assessment,* and an ad hoc reviewer for *Journal of Nutrition*, *FASEB Journal,* and other journals. He also served for six years as Associate Editor of *Toxicological Sciences*. Dr. Daston was a Visiting Scientist at the Salk Institute, Molecular Neurobiology Laboratory, 1993–1994.

Willa M. Doswell, PhD, RN, FAAN, is an Associate Professor in the School of Nursing at the University of Pittsburgh in the Department of Health Promotion and Development.

Dr. Doswell's teaching responsibilities include teaching undergraduate and graduate students courses in Nursing Research, African American Health Issues, and a doctoral

research emphasis seminar in adolescent health and development. She is a funded investigator with a current R01 from the National Institute of Child Health and Human Development, National Institutes of Health (NIH), *A Randomized Controlled Trial of the NIA Intervention*, a culturally-based intervention study to delay early sexual behavior in early adolescent African American girls. She currently serves as an ad hoc member of various National Institute of Nursing Research (NINR), NIH, ad hoc review panels, and served on the initial NINR study review group from 1991–1994. She is also Coordinator for Research Dissemination at the School of Nursing, one of seven NINR-funded Research Centers. She is a Fellow of the American Academy of Nursing, and serves on the editorial review boards of *American Journal of Nursing*, *Research in Nursing and Health, Journal of the National Black Nurses Association*, and *Nursing Science Quarterly*.

She is also a reviewer for *Nursing Research*, *Journal of Research on Adolescence*, and *Nursing Outlook* and is a member of the following professional organizations: the American Academy of Nursing, Sigma Theta Tau, the Society for Research on Adolescence, the Society for Research in Child Development, the Society for Prevention Research, and the Society for Behavioral Medicine. She received the University of Pittsburgh's Chancellor's Award for Community Service at the University of Pittsburgh for her work in establishing an after school program with pre- and early adolescent African American girls in the community focusing on health promotion.

Nancy Neveloff Dubler, LLB, is Director of the Division of Bioethics, Department of Epidemiology and Population Health, Montefiore Medical Center, and Professor of Bioethics at the Albert Einstein College of Medicine. She is also co-director of the Certificate Program in Bioethics and the Medical Humanities, conducted jointly by Montefiore Medical Center and the Albert Einstein College of Medicine with the Hartford Institute of Geriatric Nursing at New York University.

Nancy Dubler received her Bachelor of Arts from Barnard College. She also received a Bachelor of Law from Harvard University.

Ms. Dubler founded the Bioethics Consultation Service at Montefiore Medical Center as a support for analysis of difficult cases presenting ethical issues in the health care setting. She lectures extensively and is the author of numerous articles and books on termination of care, home care, long-term care, geriatrics, prison and jail health care, and AIDS. Ms. Dubler consults often with federal agencies, national working groups, and bioethics centers and served as co-chair of the Bioethics Working Group at the National Health Care Reform Task Force.

Donald J. Dudley, MD, is a professor in the Department of Obstetrics and Gynecology at the University of Texas Health Sciences Center at San Antonio (UTHSCSA).

Dr. Dudley completed a Bachelor of Arts degree in microbiology at the University of Texas in 1976 and his medical degree at UTHSCSA in 1984. He then completed residency in obstetrics and gynecology at the University of Iowa in 1988, followed by a

fellowship in maternal-fetal medicine at the University of Utah from 1988–1991. After that time, he was a faculty member at the University of Utah until 1999. During his tenure in Utah, he became known as an expert investigator in the immunologic aspects of adverse pregnancy outcomes, including preterm birth, preeclampsia, and recurrent pregnancy loss. Perhaps his most significant work is in the study of the role of cytokines in the pathophysiology of infection-associated preterm birth.

Dr. Dudley was actively involved in the National Institute of Child Health and Human Development (NICHD), National Institutes of Health-sponsored Maternal-Fetal Medicine Units (MFMU) Network, serving as alternate Principal Investigator for the University of Utah from 1996–1999 and then for UTHSCSA from 1999–2001. In addition, Dr. Dudley served on the subcommittees regarding studies on fetal fibronectin and for predictors of preeclampsia. He was also the Co-Principal Investigator, with Dr. Ron Wapner, for a study of single versus multiple courses of antenatal glucocorticoid therapy, and was instrumental in the development of this protocol. He is currently serving on the Advisory Board of the MFMU Network.

Dr. Dudley is the Principal Investigator for the San Antonio Center for the Study of Stillbirth, the UTHSCSA component of the Stillbirth Research Collaborative Network recently established by NICHD. This network is devoted to the study of the epidemiology and causes of stillbirth. Most recently, he led the successful effort at UTHSCA to become a National Center of Excellence in Women's Health, sponsored by the Office of Women's Health in the U.S. Department of Health and Human Services, of which he is now Center Director.

Antoinette Eaton, MD, is Faculty Emeritus at Ohio State University's Pediatric Department. Dr. Eaton was also the first female president of the Academy of Pediatrics and a distinguished Title V state director. She has served as a pediatrician, professional association leader, academician in clinical pediatrics, hospital administrator, academic administrator, and a state maternal and child health director. She has been the Director of the Division of Family and Community Health Services for the Ohio Department of Health, Director of Ambulatory Pediatrics at Columbus Children's Hospital, President of the American Academy of Pediatrics, Medical Director of the Easter Seal Rehabilitation Center and interim Dean of the School of Public Health at Ohio State University.

Dr. Eaton received a Bachelor of Science Degree from Geneva College of Pennsylvania. She was then awarded her medical degree at the Medical College of Pennsylvania.

Dr. Eaton is recognized for designing and implementing a leadership institute for Title V directors for children with special health care needs. Through this institute, Dr. Eaton influenced and directed the shape of many state programs for special needs children and their families.

Myron Genel, MD, is Emeritus Professor of Pediatrics in the Child Health Research Center at Yale University School of Medicine. Previously, he served as Associate Dean and Director of the school's Office of Government and Community Affairs for 19 years and earlier as program director of Yale's Children's Clinical Research Center.

Dr. Genel was awarded a Bachelor of Science degree from Moravian College. He received his medical degree from University of Pennsylvania. He was awarded an honorary Doctor of Sciences degree by Moravian College.

Dr. Genel was a prime organizer of the three-year American Medical Association (AMA)/American Association of Medical Colleges (AAMC) National Clinical Research Summit process and a charter member of its successor, the Institute of Medicine's Clinical Research Roundtable. He is former chair of the AAMC's Council of Academic Societies and the AMA's Council on Scientific Affairs and past president of the Association of General Clinical Research Center (GCRC) Program Directors.

Judith A. Graham, PhD, Fellow ATS, is a Senior Scientist/Senior Director of the Long-Range Research Initiative (LRI) Team of the American Chemistry Council. She is also a member of the Board on Environmental Studies and Toxicology of the National Academy of Sciences.

With other members of the LRI Team, Dr. Graham is responsible for the direction of the LRI, which sponsors an independent research program that advances the science of risk assessment for the health and ecological effects of chemicals to support decision-making by government, industry, and the public; coordinates with the International Council of Chemical Associations; and provides scientific consultation/representation inside and outside the American Chemistry Council. Prior to this, she was with the U.S. Environmental Protection Agency's (EPA) Office of Research and Development for 32 years. During that time, she served as an investigator, a Principal Investigator, Chief of the Branch that conducts animal inhalation toxicology research, Deputy Director of the Health Effects Research Laboratory, Associate Director of the Environmental Criteria and Assessment Office—Research Triangle Park, and Associate Director for Health of the National Exposure Research Laboratory.

Dr. Graham has a Doctor of Philosophy degree in physiology and pharmacology from Duke University. She is a Fellow in General Toxicology of the Academy of Toxicological Sciences and was the elected President of the Board of Directors. She has been elected President of the International Society for Exposure Analysis (ISEA), President of the Inhalation Specialty Section of the Society of Toxicology (SOT), and President of the Risk Assessment Specialty Section of SOT. Dr. Graham is the author of more than 135 journal articles, book chapters, and conference proceedings (primarily on the health effects and health risks of air pollutants).

Dr. Graham has won numerous awards. Since 1990, her awards include: Office of Health and Environmental Assessment Peer Award for Managerial Excellence; ORD Unusually Outstanding Award; six EPA Bronze Medals; the 1998 Career Achievement

Award for outstanding achievement in inhalation toxicology from the Inhalation Specialty Section of SOT; and the EPA Distinguished Career Award. Many of these awards involved cross-organizational activities.

Fernando A. Guerra, MD, MPH, FAAP, is currently Director of Health for the San Antonio Metropolitan Health District and a practicing pediatrician. He also serves as a Clinical Professor of Pediatrics at the University of Texas Health Science Center, San Antonio, and an Adjunct Professor in Public Health at the Air Force School of Aerospace Medicine.

Dr. Guerra received his Bachelor of Arts degree from the University of Texas, Austin; his medical degree from the University of Texas, Galveston; and a Master of Public Health degree from the Harvard School of Public Health in Boston, Massachusetts. He is a founding scholar of the Public Health Leadership Institute. As a frequent contributor to the medical literature in the area of immunizations and other public health issues, Dr. Guerra has received numerous awards for his service and contributions to public health.

Dr. Guerra is a Fellow of the American Academy of Pediatrics and Diplomate of the American Board of Pediatrics. Currently, and for the second time in his career, he is serving as a member of the U.S. Department of Health and Human Services' National Vaccine Advisory Committee. He is also a member of the New York Academy of Medicine, as well as the Texas Academy of Medicine, Science, and Engineering.

James Jarvis, MD, is Clinical Associate Professor at Oklahoma University Health Sciences Center. He is also a practicing Consultant Rheumatologist at W.V. Hastings Indian Hospital and Pine Ridge Indian Hospital.

Dr. Jarvis received a Bachelor of Arts degree from St. John's College. He was also awarded a medical degree from the University of Vermont. He completed a residency in pediatrics at St. Louis Children's Hospital and a Fellowship in Rheumatology at Washington University School of Medicine.

Dr. Jarvis has served on the Five Civilized Nations/Oklahoma University Native American Research Center for Health (NARCG) Advisory Board and a Preliminary Working Group on the ethical, legal, and social implications of genetic research on medical conditions affecting Indian and Native People.

Loretta Jones, MA, is the founder and Executive Director of Healthy African American Families (HAAF) II. As a "Community Gatekeeper," Ms. Jones has dedicated her entire life towards the hope and healing of community and society-at-large. Her career as a civil rights activist, health policy advocate, and social architect has spanned more than 30 years. In an effort to level the playing field for all people, Ms. Jones continues her unyielding commitment as a change agent against disparities in human health, development, and opportunity.

She is a co-investigator of the National Institute of Mental Health, National Institutes of Health (NIH)/University of California, Los Angeles (UCLA)/RAND Center for Research on Quality in Managed Care; the National Institute on Aging, NIH/UCLA Center for Health Improvement in Minority Elderly (CHIME); and the NIH Drew/UCLA Project EXPORT, as well as a recipient of numerous Centers for Disease Control and Prevention (CDC) grants and contracts. Ms. Jones is a member of the UCLA Institutional Review Board for protection of human subjects. She was also recently honored by the CDC as its first recipient of an award for public leadership in overcoming health disparities.

Bruce Levin, PhD, is Professor and Chair of the Department of Biostatistics at Columbia University's Mailman School of Public Health. Dr. Levin is the senior statistical consultant on several multicenter randomized clinical trials in the field of neurology and cardiology. He is also the Principal Investigator of the Statistics, Epidemiology, and Data Management Core of the HIV Center for Clinical and Behavioral Studies.

Dr. Levin was awarded his Bachelor of Arts in Mathematics from Columbia University. He then received a Master of Arts in Mathematics and a Doctor of Philosophy degree in Applied Mathematics/Statistics from Harvard University.

Dr. Levin's interests include statistical methodology for clinical trials, public health, and the law. He has created innovative trial designs, such as designs that minimize ethical costs, which have helped advance the field of biostatistics.

Jeffrey Long, PhD, is Professor of Human Genetics at the University of Michigan Medical School.

Dr. Long attained his Bachelor of Arts degree in Physical Anthropology at the University of California at Santa Barbara. He then went on to receive a Master of Arts degree in Anthropology from Arizona State University and a Master of Sciences degree in Human Genetics at the University of Michigan. He completed a doctoral degree in Human Genetics from the University of Michigan as well.

Dr. Long's research focus is on the analysis of human polymorphisms, including human population genetics, the inheritance of complex diseases, and statistical genetics. An additional interest is how levels of polymorphism and patterns of linkage disequilibrium are influenced by the interplay among diverse factors such as historical migrations, population size, gene flow, selective environment, mutation, and recombination. Another principal focus is on the genetics of complex traits related to health and well-being. The last major area revolves around the development of statistical methods and strategies for population genetics.

Edward R.B. McCabe, MD, PhD, is Professor and Executive Chair of the University of California, Los Angeles (UCLA) Department of Pediatrics and Physician-in-Chief of the Mattel Children's Hospital at UCLA. In addition, he directs the Pediatric Research

Innovation and Mentoring Experience (PRIME) Program and the UCLA Child Health Research Career Development Award Program.

Dr. McCabe was elected to the Institute of Medicine in 2001 and became a fellow at the American Association for the Advancement of Science in 2003. He has served on the Committee on Genetics of the American Academy of Pediatrics and the Medical Genetics Residency Review Committee for the Accreditation Council for Graduate Medical Education. Dr. McCabe has also held the title of President of the American Board of Medical Genetics.

Robert T. Michael, PhD, has been at the University of Chicago since 1980. He recently completed his second term as dean of the Harris School. He also serves on the Boards of the Chapin Hall Center for Children and the National Opinion Research Center (NORC); co-chairs the Board of Visitors of Western Reserve Academy in Hudson, Ohio; and serves as a faculty affiliate with the University's Center for Human Potential and Public Policy.

Dr. Michael was the director of NORC from 1984–1989, and from 1978–1980 he directed the West Coast office of the National Bureau of Economics Research, Inc. He also chaired the National Academy of Sciences/National Research Council (NAS/NRC) Panel on Poverty and Family Assistance, which recommended major changes in the official measure of poverty in the United States. He recently completed an analysis of a large-scale survey of adult sexual behavior in the United States, which focuses on the risks of AIDS and general patterns of sexual conduct. In the area of family economics, Dr. Michael has written on the causes of divorce, the reasons for the growth of one-person households, the impact of inflation on families, and the consequences of the rise in women's employment for the family, especially children. He also chaired a NAS/NRC panel on pay equity in the United States, a project that investigated the size of and explanations for differences in pay between women and men.

From 1995 through spring 1998, Dr. Michael was the project director for the National Longitudinal Survey of Youth—1997 (NLSY97), the new cohort of the NLS Program funded by the Bureau of Labor Statistics of the U.S. Department of Labor and conducted by NORC. This cohort of 9,000 young men and women ages 12–16 was surveyed for the first time in 1997, with annual surveys planned for years to come. From 1996–1997, Dr. Michael served as the deputy director of the Northwestern/University of Chicago Joint Center for Poverty Research, a multi-year research center funded through the Assistant Secretary for Planning and Evaluation in the U.S. Department of Health and Human Services. He also previously taught economics at Stanford University and the University of California, Los Angeles. He was elected a fellow of the American Association for the Advancement of Science in 1994.

Barbara Anne Nabrit-Stephens, MD, MBA, FAAP, is Vice President of Medical Affairs at Keystone Mercy Health Plan. Dr. Nabrit-Stephens has been affiliated with the Vanderbilt Children's Hospital and the Physician's Task Force for Residency Training in Children's Environmental Health.

Dr. Nabrit-Stephens received her Bachelor of Arts degree from Harvard University. She was awarded her medical degree at Tufts School of Medicine. She has also completed a Master of Business degree at University of Tennessee School of Business.

Dr. Nabrit-Stephens has served on a number of advisory committees, such the March of Dimes Birth Defects Foundation Health Professional Advisory Committee, State Government Affairs Committee, Middle Tennessee Chapter; the Children's Plan Advisory Committee for the Davidson County Community Health Agency; and the State of Tennessee Advisory Committee of Children's Special Services.

Bernice A. Pescosolido, PhD, is Chancellor's Professor of Sociology at Indiana University and Director of the Indiana Consortium for Mental Health Services Research, a collaboration of university, private foundation, and federal and state government agencies.

Dr. Pescosolido received her Bachelor of Arts degree in Sociology and Spanish at the University of Rhode Island. She was also awarded Master of Arts, Master of Philosophy, and Doctor of Philosophy degrees in Sociology from Yale University.

Her major work has been targeted to understanding the interface of community and treatment systems. Her research agenda addresses how social networks connect individuals to their communities and to institutional structures, providing the "wires" through which society's energies (social interaction) and levels (contexts) influence people's attitudes and actions. In the early 1990s, she developed the Network-Episode Model, which was designed to focus on how individuals come to recognize, respond to the onset of health problems, and use health care services. Specifically, it has provided new insights to understanding the patterns and pathways to care, adherence to treatment and the outcomes of health care. As a result, she has served on advisory agenda-setting efforts at the National Institute of Mental Health, National Cancer Institute, National Heart, Lung, and Blood Institute, National Institute on Disability and Rehabilitation Research, and the Office of Behavior and Social Sciences Research and presented at congressional briefings.

J. Routt Reigart, MD, is Director, Division of General Pediatrics at the Medical University of South Carolina. He has been involved in the development and administration of Charleston's nationally groundbreaking comprehensive childhood lead poisoning prevention program and the expansion of this program in 1975 to the state level.

Dr. Reigart received a bachelor's degree in Biology from Dartmouth College. He received a BMS degree in Medical Science from Dartmouth Medical School. He was awarded a medical degree from Harvard Medical School as well. Dr. Reigart completed his internship and residency in Pediatrics at Children's Hospital Medical Center in Boston, Massachusetts.

Dr. Reigart's research focus has involved children's environmental health, general pediatrics, and toxicology. Dr. Reigart has served as the CDC Chair for the Childhood Lead Poisoning Advisory Committee, the EPA Chair of the Children's Health Protection Advisory Committee, Chair of the Board of the Children's Environmental Health Network, and member of the FIFRA Science Advisory Panel. He also served as a member of President George H.W. Bush's Council on Environmental Quality Task Force on Lead Poisoning Education.

Cynda Hylton Rushton, DNSc, RN, FAAN, is Associate Professor of Nursing and Faculty of the Phoebe Berman Bioethics Institute at Johns Hopkins University, Clinical Nurse Specialist in Ethics, and Program Director of the Harriet Lane Compassionate Care Program at the Johns Hopkins University Children's Center. She has a joint appointment in the Johns Hopkins University School of Medicine in the Department of Pediatrics.

Dr. Rushton was awarded a Bachelor of Science in Nursing at the University of Kentucky. She completed a Master of Science in Nursing at Medical University of South Carolina, and a Doctor of Nursing Science degree with a concentration in Bioethics at Catholic University of America.

Dr. Rushton has served as a Nurse Ethicist at the Children's National Medical Center. She is the President of the Association for the Care of Children's Health and has been involved with the Board of Directors for the American Society of Law, Medicine, and Ethics; the American Association of Critical-Care Nurses; the Society for Health and Human Values/Society for Bioethics Consultation Task Force on Standards for Bioethics Consultation; and the Last Acts National Advisory Council. Dr. Rushton's clinical and research interests include ethical issues in clinical practice, particularly end of life decision making and pediatrics, ethics education and consultation, and the unique ethical issues that arise in nursing practice.

P. Barry Ryan, PhD, is Principal Investigator on a U.S. Environmental Protection Agency (EPA)-funded STAR Grant designed to assess the effectiveness of biological markers of exposure to organophosphate and pyrethroid pesticides.

Dr. Ryan has been active in the exposure assessment field for more than 20 years. He has published more than 75 peer-reviewed manuscripts and made more than 150 presentations of his work to the scientific community. His work has included both cross-sectional and longitudinal studies of community-based exposure for multiple pollutants in multiple media. He was Principal Investigator on the EPA-funded longitudinal study of exposures to pollutants, known as the National Human Exposure Assessment (NHEXAS)-Maryland study; is currently Co-Principal Investigator of a study on health compromised individuals assessing the impact of particulate matter exposure on heart rate variability; and is Co-Principal Investigator on a study of the impact of air pollution exposure on hiker lung-health in the Great Smoky Mountain National Park. In addition to these current investigations, Dr. Ryan has been Principal Investigator on studies of lead exposure experienced by adolescents in the greater Boston area.

Recently, Dr. Ryan was an ad hoc member of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Scientific Advisory Panel on CCA-Treated Wood Products and the FIFRA Scientific Advisory Panel on Carbamate Pesticides. He is a trained chemist and has a large laboratory facility.

David J. Schonfeld, MD, is the Director of the Division of Developmental Disabilities at Cincinnati Children's Hospital Medical Center. Previously, Dr. Schonfeld was Associate Professor of Pediatrics and Child Study Center at Yale University School of Medicine. Some of his recent roles include: Consultant (School Crisis Response), New York City Schools; Director, Yale-New Haven Hospital Lead Program; Director, School Crisis Response Initiative; National Center for Children Exposed to Violence; School Medical Advisor; Member, Subboard Developmental-Behavioral Pediatrics; Member of the American Board of Pediatrics; and Director, Fellowship in Developmental-Behavioral Pediatrics at Yale University School of Medicine.

Dr. Schonfeld received a Bachelor of Arts degree and medical degree from Boston University. He completed a residency in Pediatrics at Children's Hospital of Philadelphia and a Fellowship in Behavioral/Developmental Pediatrics at the University of Maryland.

Peggy Shepard is Executive Director and co-founder of West Harlem Environmental Action, Inc. (WE ACT). WE ACT is a nationally recognized, non-profit organization working to improve environmental policy, public health, and quality of life in communities of color.

Ms. Shepard received her bachelor's degree from Howard University.

Ms. Shepard was the first female chair to serve on the National Environmental Justice Advisory Council (NEJAC) to the EPA. She has also co-chaired the Northeast Environmental Justice Network and served on the National Advisory Environmental Health Sciences Council of the NIH and the Environmental Justice Advisory Committee to the NYS Department of Environmental Conservation. Ms. Shepard is also a member of the Institute of Medicine's committee: Ethics of Housing-Related Health Hazard Research Involving Children, Youth, and Families.

Lucina Suarez, PhD, is a Senior Scientist and Director of the Epidemiology Research Services Branch at the Texas Department of State Health Services in Austin, Texas. She is also an adjunct full professor in epidemiology and biostatistics at the Texas A&M Rural School of Public Health.

Born in Fort Worth, Texas, Dr. Suarez graduated from the University of Texas, Arlington with a Bachelor of Science degree in mathematics. In 1975, she received her Master of Science degree in biostatistics from the University of Pittsburgh School of Public Health. Subsequently, she worked as a statistician on occupational health studies for the University of Texas Medical Branch in Galveston, Texas. From there she moved to San Diego, California to work as a statistician for the Lipid Research Clinics Research

Program, University of California, San Diego. In 1983, she joined the Texas Department of Health as an epidemiologist-biostatistician. During her long tenure at the state public health agency, she completed her Doctor of Philosophy degree in epidemiology at the University of Texas Health Science Center School of Public Health.

As Director of the Epidemiology Research Services Branch, Texas Department of State Health Services, she oversees a unit that provides consultation and support for survey research, geographic information systems, electronic disease surveillance systems, and epidemiology field studies. She has published extensively on a variety of epidemiologic problems, including occupational studies, birth defects, cancer, heart disease, and on health-related issues in Latino populations. She is an active member of the American Public Health Association, the Society for Epidemiologic Research, and the American College of Epidemiology. She has served on numerous scientific review committees for the National Cancer Institute, National Institutes of Health, and other federal health agencies.

Ruby Takanishi, PhD, is President of the Foundation for Child Development, located in New York City. She has played an active role as an American Association for the Advancement of Science-Society for Research in Child Development Congressional Fellow in the United States Senate. She has also served as the Executive Director of the Carnegie Council on Adolescent Development.

Dr. Takanishi received a bachelor's degree in Psychology from Stanford University, a master's degree in Developmental Psychology and Sociology from the University of Michigan, and a doctoral degree in Educational Psychology from Stanford University. She completed postdoctoral study in science policy at Harvard University.

Dr. Takanishi has participated on several boards including the Council on Foundations; Grantmakers for Children, Youth, and Families; the Winthrop Rockefeller Foundation; the Advisory Panel on Public Issues of the Advertising Council, Inc.; the President's Advisory Committee on Accountability; and the National Advisory Council of the Agency for Health Care Quality and Research, DHHS.

Alan Zaslavsky, PhD, is Professor of Statistics in the Department of Health Care Policy at Harvard University Medical School.

Dr. Zaslavsky received his bachelor's degree at Harvard College, his Masters of Science degree at Northeastern University, and his doctoral degree at the Massachusetts Institute of technology. He is a Fellow of the American Statistical Association.

Dr. Zaslavsky's statistical research interests include surveys, Census methodology, small area estimation, official statistics, missing data, hierarchical modeling, and Bayesian methodology. His research topics in health care policy center on measurement of the quality of care provided by health plans through consumer assessments and clinical and administrative data. He has served on three past panels

and one current panel on Census methodology for the Committee on National Statistics of the National Academy of Sciences (NAS), on the NAS Panel on Estimates of Poverty for Small Geographical Areas, and on the NAS Panel on DHHS Collection of Race and Ethnicity Data. He also served on the Committee on the National Quality Report on Health Care Delivery of the Institute of Medicine.

Ex Officio Members

Allen Dearry, PhD, is Associate Director for Research Coordination, Planning, and Translation, National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health (NIH). In this capacity, he facilitates effective collaboration and interaction between various programs supported by extra- and intramural mechanisms to achieve efficient translation of research findings into public health and the practice of medicine. Dr. Dearry oversees the NIEHS Office of Policy, Planning and Evaluation; Office of Communications and Public Liaison; Office of Technology Transfer; Library and Information Services; publication of *Environmental Health Perspectives*; and a number of Institute outreach and educational activities, including town meetings that are held across the country to gather public input.

Previously, Dr. Dearry initiated numerous NIEHS programs in translational environmental health research, including health disparities, environmental justice, children's environmental health, community-based participatory research, and K–12 environmental health science education. All of these programs are recognized nationally and internationally, both for their contribution to the knowledge base in biomedical science relating to environmental health as well as for their novel approach to community-university partnership and resultant impact on public health. Dr. Dearry has been honored to receive a number of NIEHS and NIH awards, as well as two DHHS Secretary's Awards for Distinguished Service for providing outstanding leadership on issues related to possible health effects of exposure to Pfiesteria toxins (1998) and for generating a public health and research response to the World Trade Center disaster (2002).

Before coming to NIH, Dr. Dearry received a PhD in Anatomy from the University of Pennsylvania, was a postdoctoral fellow at the University of California, Berkeley, and then an Assistant Professor of Cell Biology and Ophthalmology at Duke University Medical Center. Dr. Dearry played a key role in cloning the gene for the human D1 dopaminergic receptor; he has two U.S. patents for this and subsequent investigations.

William H. Farland, PhD, is currently the Acting Science Advisor in the U.S. Environmental Protection Agency (EPA) as well as Acting Deputy Assistant Administrator for Science in EPA's Office of Research and Development (ORD). Previously, he was the Director of the ORD's National Center for Environmental Assessment (NCEA), which has major responsibility for the conduct of chemical-specific risk assessments in support of EPA regulatory programs, the development of Agency-wide guidance on risk assessment, and the conduct of research to improve risk assessment. Dr. Farland's 25-year federal career has been characterized by a

commitment to the development of national and international approaches to the testing and assessment of the fate and effects of environmental agents. Dr. Farland has led the EPA's extensive reassessment of the exposure and health effects of dioxin and related compounds.

Dr. Farland holds a PhD (1976) from UCLA in Cell Biology and Biochemistry. He serves on a number of executive-level committees and advisory boards within the federal government. He is also a member of the Scientific Advisory Council of the Risk Sciences and Public Policy Institute, Johns Hopkins University School of Hygiene and Public Health, a public member of the American Chemistry Council's Strategic Science Team for its Long Term Research Program, and a member of several other industry- and university-based science advisory panels. In 2002, Dr. Farland was recognized by the Society for Risk Analysis with the "Outstanding Risk Practitioner Award." He continues to teach and publish and has been a member of the Editorial Board for *Risk Analysis* since 1987 and for *Environmental Health Perspectives* since 1997.

Lonnie J. King, DVM, (ex officio member) is Director of the Office of Strategy and Innovation for the Centers for Disease Control and Prevention (CDC). As director, he coordinates efforts within a newly implemented CDC structure. The framework for the new structure focuses on goals management, health equity, strategy and policy, innovation, and evaluation. He is also responsible for developing the CDC legislative agenda in an effort to increase both financial and legislative support.

In addition, Dr. King serves as dean of the College of Veterinary Medicine at Michigan State University. As dean, he is the chief executive officer for academic programs, research, the teaching hospital, diagnostic center for population and animal health, basic and clinical science departments, and the outreach and continuing education programs. As dean and professor of large animal clinical sciences, Dr. King has been instrumental in obtaining funds for the construction of a $60 million Diagnostic Center for Population and Animal Health, initiated the Center for Emerging Infectious Diseases in the college, serves as the campus leader in food safety, and oversees the National Food Safety and Toxicology Center. He has brought the Center for Integrative Toxicology to the college, is a designated leader for counter-bioterrorism activities at the college, and is involved in re-establishing public health programs at Michigan State University.

Prior to this, Dr. King was administrator for the Animal and Plant Health Inspection Service (APHIS), U.S. Department of Agriculture, in Washington, DC. In this role, he provided executive leadership and direction for ensuring the health and care of animals and plants, to improve agricultural productivity and competitiveness, and to contribute to the national economy and public health. He had served as administrator of APHIS since October 1992 and prior to that time was associate administrator. Dr. King served as the country's chief veterinary officer for 5 years and worked extensively in global trade agreements within NAFTA and the World Trade Organization.

Dr. King has a broad knowledge of animal agriculture and the veterinary profession through his work with other governmental agencies, universities, major livestock and poultry groups, and private practitioners. Dr. King is a board-certified member of the American College of Veterinary Preventive Medicine and has completed the Senior Executive Fellowship program at Harvard University. He served as president of the Association of American Veterinary Medical Colleges from 1999–2000 and was the vice-chair for the National Commission on Veterinary Economic Issues from 2000–2004. Dr. King helped start the National Alliance for Food Safety, served on the Governor's Task Force on Chronic Wasting Disease for the State of Michigan, and served on four National Academy of Sciences Committees; most recently he chairs the National Academies Committee on Assessing the Nation's Framework for Addressing Animal Diseases. Dr. King is one of the developers of the Science, Politics, and Animal Health Policy Fellowship Program and lectures extensively on the future of animal health and veterinary medicine. He serves as a consultant and member of the Board of Scientific Counselors to the CDC's National Center for Infectious Diseases, is a member of the Institute of Medicine's Committee on Microbial Threats to Health, editor for the OIE Scientific Review on "Emerging Zoonoses," and president of the American Veterinary Epidemiology Society. Dr. King was elected as a member of the Institute of Medicine of The National Academies in 2004.