

Standing Committee for the Care and Use of Animals in Research

Committee

James G. Fox

Co-Chair

James G. Fox, NAM, is a professor post tenure in the Department of Biological Engineering and the founding director of the Division of Comparative Medicine at the Massachusetts Institute of Technology. He is also an Adjunct Professor at Tufts University School of Veterinary Medicine and the University of Pennsylvania, School of Veterinary Medicine. Dr. Fox has received numerous scientific awards, and was elected to the National Academy of Medicine in 2004. He has been the principal investigator of an NIH postdoctoral training grant for veterinarians for 30 years and has trained 80 veterinarians, physicians, and PhDs for careers in biomedical research. He also had a NIH training grant for veterinary students and has introduced over 120 veterinary students to careers in biomedical research. He has been funded by NIH and NCI to study infectious diseases of the gastrointestinal tract for the past 45 years and has focused on the pathogenesis of *Campylobacter* spp. and *Helicobacter* spp. infection in humans and animals. Dr. Fox has a longstanding interest in studying the gastrointestinal microbiome and how it interfaces and influences the host's immune response to gastrointestinal pathogens, particularly *Helicobacter* species. These studies are complemented by extensive experience with mouse models including those maintained under gnotobiotic conditions. His laboratory developed the ferret as a model for both *Campylobacter* and *Helicobacter* associated disease as well as the first rodent model to study *Helicobacter* associated gastric disease including gastric cancer. Dr. Fox is considered an international authority on the epidemiology and pathogenesis of gastric and enterohepatic *Helicobacters* in humans and animals. He is largely responsible for identifying, naming, and describing many of the diseases attributed to various *Helicobacter* species; most notably their association with hepatitis, liver tumors, inflammatory bowel disease, gastric cancer, and colon cancer. Dr. Fox received his MS from Stanford University and his DVM from the Colorado State University School of Veterinary Medicine.

Susan B. Harper

Co-Chair

Susan Harper, now retired, recently served as the Deputy Director for the Office of Animal Care and Use at the National Institutes of Health in Bethesda, MD. She began her professional career as a large animal practitioner, after earning a B.S. in Agriculture at West Virginia University and a D.V.M. at Louisiana State University. Dr. Harper practiced for 8 years before enrolling in a combined post-doctoral residency and masters degree program at the Penn State University College of Medicine, where she continued to serve as an Assistant Professor for 2 years following graduation. She left academia to pursue a career with the federal government and has served in a variety of research, clinical, and regulatory roles at NIH, FDA, VA, and USDA. Dr. Harper has achieved board certification in the American College of Laboratory Animal Medicine (ACLAM) and the American College of Veterinary Preventative Medicine (ACVPM), certification as a Registered Biosafety Professional (RBP) through the American Biological Safety Association (ABSA), serves on AAALAC Council, and is an active member of numerous scientific and professional organizations associated with veterinary medicine, laboratory animal welfare, research safety, and biosecurity. Her professional interests include agricultural animal welfare, research safety, and disaster medicine. She earned her B.S. in agriculture at West Virginia University and a D.V.M. at Louisiana State University.

William W. Bowerman, IV

Member

William W. Bowerman is a Professor of Wildlife Ecology and Toxicology, and Chair of the Department of Environmental Science and Technology at the University of Maryland since May 2011. He has conducted research on wildlife as indicators of the health of the aquatic environment since 1984 and his studies have spanned every continent except Antarctica. He has conducted both field and lab studies with wildlife or model species. He served for 3 years on the Clemson University IACUC and has written IACUC protocols approved in 5 countries. He has trained over 400 professionals worldwide in lab and field animal techniques across the world. He received a B.A. in biology from Western Michigan University in 1985, a M.A. in biology from Northern Michigan University in 1991, and a Ph.D. in fisheries and wildlife-environmental toxicology from Michigan State University in 1993. He served as the United States Co-Chair of the International Joint Commission's Great Lakes Science Advisory Board from 2011-2014, and was a member from 1996-2014. This service has resulted in extensive experience in cross-boundary and multi-jurisdictional natural resources and pollution abatement management issues, and indicator development. He served on the Northern States Bald Eagle Recovery Team of USFWS and is currently the Chair of the Ornithological Council representing the Raptor Research Foundation on the Council. He is a Fellow of the American Association for the Advancement of Science and a Fellow of The Explorers Club. He is a Professor Emeritus of Wildlife Ecology and Toxicology at Clemson University.

Douglas L. Brining

Member

Douglas L. Brining currently serves as the assistant vice president research services animal programs, executive director of animal resources center, attending veterinarian, and assistant professor of microbiology and immunology at the University of Texas Medical Branch in Galveston, Texas. Dr. Brining has a long career as a laboratory animal veterinarian with a special interest and focus on high containment research, including animal study support and oversight at Animal Biosafety Levels -2, -3, and -4. Among his many duties, he oversees all laboratory animal studies undertaken in the Galveston National Laboratory, including well documented/good laboratory practice pre-clinical studies of products destined for U.S. Food and Drug Administration review. These studies often involve non-human primates. He has served as attending veterinarian and program director at multiple institutions including governmental, general academic, and medical school environments. Additionally, Dr. Brining has considerable experience with marine models of animal research including significant cephalopod experience. He is a Diplomate of the American College of Laboratory Animal Medicine (ACLAM). He received a B.S. in marine biology from Texas A&M at Galveston, a B.S. in veterinary science from Texas A&M College Station Texas, and his D.V.M. in veterinary medicine from Texas A&M University.

Kelly R. Decker

Member

Kelly Rice Decker is currently the associate director of the U.S. Food and Drug Administration (FDA) White Oak Animal Program in Silver Spring, Maryland. Dr. Decker has spent her career with the U.S. Department of Health and Human Services supporting public health and regulatory research at the National Institutes of Health (NIH, 2012-2019) and the FDA Center for Biologics Evaluation and Research (2019-present). She possesses advanced expertise in care and use and oversight of diverse laboratory species including nonhuman primates, aquatic species, and companion animals used in clinical studies, as well as in the detail of the current edition of the Guide. She is a member of the program IACUC and serves on the FDA's Animal Welfare Council. She received her B.S. in biochemistry from Trinity College in 2006 and D.V.M. from the University of Florida in 2010. Dr. Decker completed a residency in clinical laboratory animal medicine at the Johns Hopkins School of Medicine and is a board-certified Diplomate of the American College of Laboratory Animal Medicine (2013).

Jeffrey Everitt

Member

Jeffrey Everitt, DVM, Professor of Pathology, Duke University School of Medicine. He received a DVM from Cornell University in 1977 and then completed a residency in anatomic pathology at the University of Pennsylvania, and a post-doctoral appointment at the University of Illinois. His experience is as a scientist (experimental pathology/pulmonary biology) and manager of animal care and use programs (veterinarian) for a not-for-profit research institute (CIIT Centers for Health Research) and for a large global pharmaceutical company (GlaxoSmithKline). He is author or co-author of more than 160 publications and has served on editorial boards of several journals in the fields of pathology, toxicology and laboratory animal science. Dr. Everitt has served on several international panels concerning animal welfare and animal care and use in both the United States and Europe. He served on ILAR Council from 2004-2010, led an ILAR committee report in 2011, and coordinated animal workshop reviews in 2017 and 2018.

Michael E. Goldberg

Member

Michael E. Goldberg, M.D., (NAS), is the David Mahoney Professor of Brain and Behavior in the Departments of Neuroscience, Neurology, Psychiatry, and Ophthalmology at the Columbia University College of Physicians and Surgeons. Prior to his current appointment at Columbia (2001) he was a Senior Investigator in the Laboratory of Sensorimotor Research in the intramural program of the National Eye Institute in Bethesda, MD, and Professor of Neurology at the NIH at Georgetown University School of Medicine. His research focuses on the psychophysics and physiology of cognitive processes in the monkey, using single unit recording, iontophoresis, and careful behavioral measurements. Current projects include the role of the cerebellum in visuomotor association, the genesis of environmental memory in the parietal cortex, and the role of oculomotor proprioception in the neural signals underlying spatial behavior. Recent discoveries in the laboratory include the demonstration of task-related feature specificity in prestriate cortex, the demonstration that the baseline activity in parietal cortex contains a signal that predicts not what a monkey sees or will do but instead how well the monkey will perform the task, and the time course of eye-position modulation of visual responses in parietal cortex, and the importance of proprioception in the genesis of long-term visuospatial memory. Dr. Goldberg is also an active clinical neurologist and teacher, serving on the hospitalist attending team at the Columbia campus of the New York Presbyterian Hospital. He is the recipient of many honors, including the Patricia Goldman-Rakic Prize in Cognitive Neuroscience of the Brain and Behavior Research Foundation, and election to the American Academy of Arts and Sciences and the National Academy of Sciences. Dr. Goldberg is a past President of the Society for Neuroscience. He was chair of the SfN Committee on Animal Research, and a member of the Federation of European Neuroscience Society (FENS) Committee on Animal Research and Experimentation.

Richard Nakamura

Member

Richard Nakamura has expertise in a number of areas, including cognitive and comparative neuroscience, science policy/funding and ethics in science. He became director of the Center for Scientific Review (CSR) at the NIH starting in 2011. He then led CSR's 450 scientists and administrative staff, overseeing their efforts to manage 80,000 incoming NIH grant applications a year until 2018 when he retired. Dr. Nakamura had a 32-year tenure at the National Institute of Mental Health (NIMH), where he has served as both scientific director and deputy director of the institute, and he served as acting director from 2001 to 2002. During his time at NIMH, he received a number of leadership awards, including the Presidential Rank Award for outstanding leadership. He came to NIMH in 1976 as a postdoctoral fellow. In the late-80's, he was chief of its Behavioral and Integrative Neuroscience Research Branch. Between 1997 and 2007, he served as the institute's deputy director. While at NIMH, he also held other positions, including associate director for Science Policy and Program Planning and coordinator of Alcohol, Drug Abuse, and Mental Health Administration Office of Animal Research Issues. Between 1990 and 2020, he served on the Society for Neuroscience Committee on Animals in Research and currently is the Society's delegate to AAALAC International. He has published 30 peer reviewed scientific journal articles, mostly related to neurocognition in primates. Dr. Nakamura earned his B.A. in psychology from Earlham College in Richmond, Indiana and his Ph.D. in psychology from the State University of New York in Stony Brook.

Robert S. Sikes

Member

Robert Sikes is Professor Emeritus of Biology at the University of Arkansas at Little Rock, where his primary research interests were behavioral and evolutionary ecology. Sikes holds a PhD in Zoology from the University of Minnesota (1994), a MS from Memphis State University (1990), and a BS from the University of Arkansas at Little Rock (1985). Sikes's research experience has been exclusively with wild vertebrates, both in the field and in captivity, with mammalian subjects ranging in size from shrews to giant pandas. He is past president of the American Society of Mammalogists (ASM), currently co-chairs the ASM's Animal Care and Use Committee, was lead author on the last 2 revisions of that professional society's guidelines for the use of wild mammals in research, and has authored a number of additional publications regarding the ethical use of wild animals in research. Sikes is a former member of the ILAR Council and a current member of the AAALAC Council on Accreditation.