

Discussing and Understanding Animal Welfare Challenges in Research and Education on Wildlife, Non-Model Animal Species and Biodiversity - A Workshop

Committee

Anne Maglia

Co-Chair

Anne Maglia, Co-Chair, is the Associate Vice Chancellor for Research Administration and Institutional Compliance at the University of Massachusetts Lowell. She oversees the Office of Institutional Compliance, the Office of Research Administration, and the Research Support Services group. Her primary responsibility is to build the research portfolio while ensuring effective administration of the university's sponsored research portfolio and compliance with terms and conditions, policies, laws and regulations relating to the conduct of research. She previously served at the National Science Foundation as a Program Director and Animal Welfare Officer. Prior to NSF, she was an Associate Professor of Biological Sciences at Missouri University of Science and Technology where her research program focused on amphibian skeletal development and biodiversity. Dr. Maglia served on the ILAR Roundtable, the Governing Board of the American Society of Ichthyologists and Herpetologists, and the Executive Committee of the Society for Integrative and Comparative Biology. She holds a B.S. in Pre-Veterinary Medicine from Ohio University, an M.S. in Biology from East Tennessee State University, a Ph.D. in Ecology and Evolutionary Biology from the University of Kansas, and is a certified Project Management Professional.

Robert S. Sikes

Co-Chair

Robert Sikes, Co-Chair, is professor of biology at the University of Arkansas at Little Rock, with primary interests in behavioral and evolutionary ecology. 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. Sikes holds a B.S. in biology from the University of Arkansas at Little Rock (1985), an M.S. in biology from Memphis State University (1990), and a Ph.D. in zoology from the University of Minnesota (1994).

Bonnie V. Beaver

Member

Bonnie Beaver is a professor in the Department of Small Animal Clinical Sciences in the College of Veterinary Medicine and Biomedical Science at Texas A&M University. Besides having taught the classes in the basic sciences and clinical aspects of veterinary medicine, Dr. Beaver has an extensive background in animal behavior and animal welfare. She has a number of published books, book chapters, and scientific articles on these subjects and is a frequent speaker at veterinary continuing education seminars. In addition to being named as a charter diplomate and first president of both the American College of Veterinary Behaviorists and the American College of Animal Welfare, Dr. Beaver has served as chair of several task forces and president of many other professional organizations including the Texas Veterinary Medical Association and American Veterinary Medical Association. She obtained her BS and DVM in veterinary medicine from the University of Minnesota, her MS in veterinary medicine and surgery from Texas A&M University, and a DSc (hon) from the University of Guelph.

Laura Bies

Member

Laura Bies is the Executive Director of the Ornithological Council. She has a B.S. in environmental science from the University of Delaware (2001) and a J.D. from George Washington University (2004), where she concentrated on environmental law. Bies previously worked at The Wildlife Society, where she was the director of government affairs. She has also worked as a government affairs consultant and freelance writer with a focus on conservation policy. In her position at the Ornithological Council, Bies works to ensure that ornithologists understand their animal welfare responsibilities and to ensure that the regulations and policies governing their work are feasible and effective in light of the unique situations often encountered in ornithological research, particularly field work.

Carol L. Clarke

Member

Carol L. Clarke received her Bachelor's degree in the Natural Sciences from Johns Hopkins University, and her D.V.M. degree from the Tuskegee School of Veterinary Medicine. After receiving her D.V.M., she practiced small animal medicine in New York City for 13 years before entering the laboratory animal medicine training program at SmithKline Beecham Pharmaceuticals. Upon completion of the program, she entered the National Institutes of Health in 1998 as the primate facility Attending Veterinarian for the Veterinary Resources Program. In 2001, she accepted a position with the Comparative Medicine Branch of the National Institute of Allergy and Infectious Diseases (NIAID) and became a Diplomate of the American College of Laboratory Animal Medicine in 2005. During her 10 years with NIAID, she served as IACUC coordinator, Vice Chair of the Rodent Gnotobiotic Committee, and Chief of Shared and Central Facility Operations. In addition, she prepared all federally required annual reports on animal usage. Dr. Clarke accepted a position with the US Department of Agriculture (USDA) in 2011, and currently serves as the Research Program Manager for Animal Care. Her duties include representing the USDA on various Federal interagency committees, serving as a member of the Roundtable Committee for the National Academies of Sciences, participating in investigative actions, writing policies, and providing outreach to the public. She also served as the Project Officer for Module #26 -Nonhuman Primate Transportation for the National Veterinary Accreditation Program; and has received senior leadership training from the American University (2012-2013) and the President's Management Council Interagency rotation through the Department of Health and Human Services (2017-2018).

Gail C. Golab

Member

Gail Golab is currently Chief Veterinary Officer for the American Veterinary Medical Association. In that position she heads the AVMA's Public Policy Strategic Business Unit, which includes the association's Animal and Public Health, Animal Welfare, and Global Outreach Divisions. Prior to her current appointment, Dr. Golab served the AVMA as Chief Advocacy and Public Policy Officer, and in a variety of other roles in the Association's Publications, Education and Research, Communications, and Animal Welfare Divisions. Dr. Golab is best known for her more than 30 years of work in the human-animal interactions/animal welfare field that began as an undergraduate, transcends both professional degrees, has included opportunities for exposure to a variety of concerns affecting diverse species, and includes both research and policy development. Accordingly, she has served on advisory committees on the care and use of animals in agriculture, biomedical research, the pet industry, entertainment, and human healthcare applications.

She graduated with a PhD from Texas A&M University, a DVM from the University of Illinois, is certified as a member of the Australian and New Zealand College of Veterinary Scientists (Animal Welfare), is a charter diplomate of the American College of Animal Welfare (an AVMA-recognized veterinary specialty board) and a Distinguished Practitioner in the National Academies of Practice. Work experiences in academia, industry, and private practice set the stage for a well-balanced approach to difficult issues.

William Greer

Member

William Greer received his Bachelor's in Microbiology from Penn State University in 1985. He currently serves as the Assistant Vice President for Research at the University of Michigan. His previous roles included Associate Director for Research Compliance at the Pennsylvania State University, and research technician, production manager and Safety Officer at Intervet, State College, PA (Formally Tri Bio Laboratories). In 2005, he organized and held the first IACUC Administrators' Best Practices Meeting, which establish a venue for administrators to meet informally and discuss programmatic concerns. He continues to facilitate at least three annual Best Practice meetings, and various online training opportunities. In 2007, he initiated the process of establishing the IACUC Administrators Association (IAA), which is a professional organization of IACUC Administrators. In 2010, he chaired the founding committee for the non-profit education based IAA organization. He now serves as the president and chair of the IAA board of directors. Since 2007, Bill has served as ad hoc specialist to AAALAC Council where he participates in institutional program reviews, assessments, and status determinations. He served as a member of the Council of Certified Professional IACUC Administrators (CCPIA). He continues to facilitate training activities at multiple venues including PRIM&R, AALAS, BTAA, C3, and both IACUC and IBC Administrators Best Practice Meetings.

Elaine K. Kim

Member

Elaine Kim is currently the Senior IACUC Coordinator in the Research Integrity and Compliance Review Office at Colorado State University (CSU). CSU's Animal Care and Use Program covers a wide range of activities that include wildlife research and management, veterinary clinical studies, veterinary teaching, agricultural (food/fiber) activities, emerging and infectious disease studies with laboratory and non-typical species, and research activities with multiple regulatory purview, e.g. FDA, EPA, USDA, etc. She graduated with a Bachelors in Science from University of California, Berkeley in 2001, and is a Certified Professional in IACUC Administration (CPIA). Elaine has presented at various meetings and conferences, such as PRIMR IACUC, AALAS, OLAW Online Seminars, and IACUC Administrators Association. She has taught several workshops, covering the basics of IACUC regulations for administrators and committee members, focusing on the regulations as a foundation to determine when IACUC purview is appropriate or not required, depending on the situation. She has also taught a workshop on how to apply a quality management system within an animal care and use program.

Patrice N. Klein

Member

Patrice Klein serves as the USDA Forest Service (USFS) National Program Lead for Fish & Wildlife Health and the USFS IACUC Attending Veterinarian (AV) to oversee wildlife research having previously worked for USDA APHIS Veterinary Services as the National Coordinator for the Cervid Health and Avian Health Programs and the APHIS VS Wildlife Disease Liaison. She was a Commander in the U.S. Public Health Service working on foodborne /zoonotic diseases and the veterinarian's role in disaster response. She began her career at the U.S. Fish & Wildlife Service - Patuxent Wildlife Research Center in Maryland where she managed the health care of endangered avian species in captive propagation and reintroduction programs, and served as the IACUC AV for environmental toxicology research involving wild animals.

She is an invited speaker at national IACUC conferences (PRIM&R, SCAW) to present on IACUC oversight of wildlife research, has provided webinars on the IACUC role for wildlife research to national wildlife organizations and state wildlife agencies, and was an organizer for a SCAW Conference on "Meeting the Challenges of IACUC Oversight in Fish and Wildlife Research". She has been an advisor to state wildlife agencies on wildlife disease and animal welfare issues and has collaborated with APHIS Animal Care colleagues on developing IACUC guidance for wildlife research.

Dr. Klein is a graduate of University of Pennsylvania, School of Veterinary Medicine with an MS degree in Toxicology at St. John's University, NY, and completed a post-doctorate fellowship in Comparative Pathology at The Johns Hopkins University School of Medicine following a Residency in Avian Medicine and Pathology at U.C. Davis, School of Veterinary Medicine. She is a Diplomate in the American College of Veterinary Preventive Medicine and the American College of Poultry Veterinarians, and Adjunct Faculty at the University of Maryland and the University of Pennsylvania, School of Veterinary Medicine presenting lectures on wildlife health, One Health, and animal welfare. She is an active member of TWS, WDA, AFWA, USAHA, AAWV and AVMA to strengthen interdisciplinary wildlife health and animal welfare relationships.

Sharon Shriver

Member

Sharon Shriver is Director of Programs for Public Responsibility in Medicine and Research (PRIM&R), a nonprofit founded in 1974 that works to ensure the highest ethical standards in research by providing education and other professional resources to the research and research oversight community, including those who work with human subjects protections programs (HRPPs), institutional review boards (IRBs), animal care and use programs, and institutional animal care and use committees (IACUCs). Dr. Shriver conceives, plans, and executes a wide range of educational programs and resource development to support animal and human research oversight professionals. Most recently, she served as managing editor, and author of three chapters, for the third edition of *IRB Management and Function*, a comprehensive resource for human research oversight published in May 2021. Prior to joining PRIM&R, Dr. Shriver was Assistant Director of Penn State's Office for Research Protections, where she led the university's research integrity educational initiatives. Dr. Shriver has extensive background in science and ethics, having taught undergraduate and graduate courses in genetics, molecular medicine, and bioethics at Penn State and the University of Pittsburgh. Her doctoral work in molecular genetics at Case Western Reserve University (PhD, 1991) led to her early career as a clinical investigator at the MD Anderson Cancer Center and the University of Pittsburgh Medical Center, using human and animal models to identify smoking-induced mutations that contribute to the increased risk of women for lung cancer.

Michael K. Stoskopf

Member

Michael Stoskopf, DVM, PhD, D.ACZM completed his DVM at Colorado State University and his PhD in Environmental and Biochemical Toxicology at Johns Hopkins University. His clinical experience included positions as veterinarian at the Overton Park Zoo and Aquarium, the Baltimore Zoo and as the first Chief of Medicine at the National Aquarium in Baltimore. He was instrumental in the establishment of the American College of Zoological Medicine, passing the first examination offered, and serving in various roles including president of the developing organization. He was also involved in the establishment of the AVMA's Committee on Aquaculture serving since its inception, including as chair. He has also served on the ILAR Council of the National Academy of Sciences.

He came to NCSU in 1989, leaving his tenured position in the School of Medicine at Johns Hopkins, to accept the role of Department Head of Companion Animal and Special Species, now known as the Department of Clinical Sciences. He now directs the Environmental Medicine Consortium at NCSU and participates actively in the inter-college Fisheries and Wildlife and Marine Sciences programs. He is a professor of wildlife and aquatic health in the Department of Clinical Sciences with appointments in Forestry, Biomedical Engineering, and Toxicology. He is the Zoological Focus Leader and teaches extensively in core, selective and elective courses in the DVM curriculum and graduate courses in Fisheries Wildlife and Conservation Biology.

His research focuses on population, ecosystem and landscape approaches to health management of wildlife species broadly defined to include aquatic and marine species including invertebrates and vertebrates. Most of the graduate students in his laboratory are focused on the application of advanced NMR/MRI/S techniques to key questions in ecological metabolomics, primarily related to impacts of global change. Impacts of temperature and ocean acidification on physiology are of particular interest as well as habitat health risk assessment questions primarily for endangered species recovery decision making. He is also active in collaborations looking at genomic tools for evaluating conservation strategies. He is an active in the NCSU Center for Marine Sciences and Technology, the Institute for Comparative Medicine and the NCSU Climate Science Center. His clinical efforts assist in the health management of captive and free-ranging wildlife and fisheries stocks. Current projects include development of a marine magnetic resonance imaging and spectroscopy facility on the coast, and reintroduction implementation for several endangered species including the red wolf and the Wyoming toad.