

Division of Life Sciences, Rutgers University; Professor in the School of Public Health in New Jersey, Piscataway, NJ.

i. *Expertise.* Ecotoxicology methods, design, data collection and analysis, ecological risk methods and assessment.

ii. *Education.* Ph.D., Ecology and Behavioral Ecology, University of Minnesota.

iii. *Professional experience.* Dr. Burger has had over 30 years of experience in ecological studies of a wide range of animals in their natural environments, and nearly 25 years working in the fields of ecological risk and ecotoxicology. She has served as Director of the Graduate Program in Ecology at Rutgers University for 15 years, and has served as Director of the Chemical Analysis Laboratory for the National Institute of Environmental Health Sciences (NIEHS) Center of Excellence at Rutgers University/ University of Medicine and Dentistry of New Jersey (UMDNJ), Robert Wood Johnson Medical School. During this period, she has been actively involved in research on the effects of toxic chemicals on behavior and neurodevelopment, on biomonitoring of toxic chemicals and ecological endpoints, on the risks from chemical contaminants in fish and wildlife, and on developing methods for ecological risk assessment at different levels of ecological complexity. She has published over 350 refereed papers in these areas, and has written or edited over 15 books. Dr. Burger has served as a member of the National Research Council (NRC) Board of Environmental Science and Toxicology, Board on Biology, Commission of Life Sciences and other NRC committees. She also has served on several SCOPE committees, most recently as the Co-Chair of an international meeting on endocrine disruptors. Dr. Burger has served on EPA, U.S. Fish and Wildlife Service, and National Oceanic and Atmospheric Administration (NOAA) advisory councils as well as the New Jersey Endangered and NonGame Species Council. She teaches ecological risk and serves as an environmental advisor to numerous local, State, and Federal agencies.

2. *Nominee.* James, Margaret O., Ph.D., Professor and Chair, Department of Medicinal Chemistry, College of Pharmacy, University of Florida, Gainesville, FL.

i. *Expertise.* Xenobiotic metabolism, environmental pollutants.

ii. *Education.* B.Sc. (Honors), Chemistry, University College London, UK; Ph.D., Organic Chemistry, St.

Mary's Hospital Medical School, University of London.

iii. *Professional experience.* Dr. James completed a 3-year post-doctoral fellowship in the pharmacology branch of the National Institute of Environmental Health Sciences (NIEHS). She was appointed as a research associate, and then a senior staff fellow at the NIEHS satellite laboratory at the Whitney Laboratory in St. Augustine, FL. She has been on the faculty of the Departments of Medicinal Chemistry and Pharmacology and Therapeutics at the University of Florida since 1980. Dr. James also serves as the director of the University of Florida Superfund Basic Research Program project grant. Dr. James is a founding member of the interdisciplinary toxicology graduate program at the University of Florida. She has authored or co-authored over 100 peer reviewed original research papers and several book chapters. Dr. James served on the Environmental Health Sciences review panel from 1991 to 1995, and on the Toxics Advisory Committee, National Marine Fisheries Service, NOAA from 1992 to 1994. She has served as Secretary of the International Society for the Study of Xenobiotics (2000 to 2003) and is a former member of the editorial board of *Chemico-Biological Interactions*. Dr. James currently serves on the editorial boards of *Drug Metabolism and Disposition* and *Aquatic Toxicology*. She is the guest editor of a special volume of *Marine Environmental Research* to be published in 2004. Dr. James' research interests are in biotransformation pathways involved in the formation or detoxification of chemically reactive metabolites of xenobiotics.

3. *Nominee.* Portier, Kenneth M., Ph.D., Associate Professor of Statistics and Agricultural Experiment Station Statistician, Institute of Food and Agricultural Sciences, University of Florida, Gainesville, FL.

i. *Expertise.* Applied statistics, biostatistics, statistical computing, and the teaching of statistics.

ii. *Education.* B.S., Mathematics, Nicholls State University; M.S., Statistics, University of North Carolina, Chapel Hill; Ph.D. in Biostatistics, University of North Carolina, Chapel Hill.

iii. *Professional experience.* Dr. Portier has taught statistical methods on the graduate level, and has served as a statistical consultant to researchers in agriculture, natural resources, and the environment at the University of Florida since 1979. His participation in the U.S. Department of Agriculture (USDA)

Higher Education Programs (HEP) funded teaching grants has included development of web-based materials for teaching natural resources sampling, and developing a senior graduate course in forested watersheds. Dr. Portier is collaborating with other University of Florida researchers on grants from the NSF, USDA, NOAA, and the Department of Interior (DOI). Dr. Portier has been a regular member of EPA and National Toxicology Program science advisory panels reviewing ecological risks from agriculture-related chemicals and practices. He has co-authored papers in many of the premier journals in agriculture, natural resources, and environmental sciences.

4. *Nominee.* Regan, Helen M., Ph.D., Assistant Professor, Department of Biology, Ecology Program, San Diego State University, San Diego, CA.

i. *Expertise.* Ecological risk assessment, quantitative conservation ecology, population models and mathematical treatments of uncertainty in ecological risk assessment.

ii. *Education.* B.S. (with first-class honors), Applied Mathematics, Latrobe University, Victoria, Australia; Ph.D., Applied Mathematics, University of New England, New South Wales, Australia.

iii. *Professional experience.* Dr. Regan's research activities include: Treatment of uncertainty in contaminant exposure models for wildlife; population-level ecological risk assessment of endangered and threatened species using stochastic population models; systematic decisionmaking for management and conservation planning; and assessment of uncertainty in endangered species classification protocols. She has held postdoctoral research fellow appointments with the University of Melbourne and the National Center for Ecological Analysis and Synthesis, University of California, Santa Barbara. Dr. Regan has served as a consultant for the Cooperative Research Center for Catchment Hydrology (Australia) and for Forestry Tasmania (Australia). She has served as an invited panelist for the Industrial Risk Management Forum, Environmental Futures Forum (Victorian Environmental Protection Authority, Australia) and as a member of the review team for Improvements in Applications of Models in Ecological Risk Assessment (sponsored by the American Chemistry Council). She is a contributing author to *Ecological Modeling in Risk Assessment: Chemical Effects on Populations, Ecosystems, and Landscapes* (Pastorok, Bartell, Ferson and Ginzburg, eds.), Lewis publishers, Boca Raton, FL, 2001. She was a