

The Role of Seafood Consumption in Child Growth and Development

Workshop Speaker Bios

Lanor Curole is a citizen of the United Houma Nation of southeast Louisiana and a life-long resident of Lafourche Parish (county) where she continues to live within the tribal community and is pleased to have the opportunity to work for the betterment of her people as the Tribal Administrator for the last 11 years. Ms. Curole grew up in the small community of Golden Meadow where her family lived a good life seasonally off the land. Her mother, the daughter of a fisherman, had a 7th grade education from the separate, but equal “Settlement School.” Consequently, Lanor, a 1990 graduate, and her siblings were the first generation in their family to be allowed to graduate from high school. She proudly earned a Bachelor’s Degree in Marketing from Nicholls State University and a Master’s Degree in Rehabilitation Counseling from Western Washington University. Ms. Curole has worked for the UHN since a teen. She worked as a student during summers and holidays and started working with the Tribal Council in college as the Recording Secretary. She tackled grant writing very early on with success and eventually started working full-time as the Director of the Tribal Vocational Rehabilitation Program in 2000. In that time, Lanor has been able to help the UHN with implementing ongoing Community Needs Assessments to track overall community health factors that has helped grow programs to address the disparities prevalent across the tribal community as well as developing systems for emergency operations post disaster. Today she is charged with overseeing the day-to-day operations of the tribe including all programs and projects, planning, and development.

Jamie Donatuto, PhD, is a Community Environmental Health Analyst for the Swinomish Indian Tribal Community, located in the Pacific Northwest of the United States. A Swinomish staff member for the past 23 years, Dr. Donatuto specializes in working with Indigenous communities in the development and implementation of projects that address the community’s priorities, as well as distilling and communicating results for multiple audiences using mixed methods and structured decision-making analyses. In her research, she works with numerous Tribes and First Nations in using community-engaged social science methods to improve natural resource management decision-making, such as modifying human health risk assessments to reflect Indigenous values; analyzing toxics in local traditional foods and subsequent Indigenous health impacts; evaluating climate related impacts to Indigenous health and wellbeing; and developing adaptive management strategies founded on Indigenous ways of knowing. Her publications are widely cited. Most recently, she is the lead author of the Indigenous health and wellbeing section of the Bureau of Indian Affairs’ Status of Tribes and Climate Change Report to inform the upcoming National Climate Assessment. Dr. Donatuto completed her doctoral studies at the University of British Columbia, Vancouver, Canada in the interdisciplinary program, with a focus on Indigenous community health and environmental studies.

Christine D. Garner, PhD, RD, CLC is Assistant Vice President of Research, an Assistant Professor of Pediatrics, and conducts research in the InfantRisk Center at Texas Tech University Health Sciences Center in Amarillo, TX. She obtained both her Master’s and Doctoral degrees

in Nutrition at Cornell University, and she trained and worked as a Registered Dietitian in Pediatrics at the University of California San Francisco. Dr. Garner's research focuses on maternal and child health with a nutrition lens during pregnancy, breastfeeding, infancy, and early childhood – the “first 1000 days.” She works on a team at the InfantRisk Center, which specializes in examination of transfer of substances, especially drugs, into human milk. She has worked with UNICEF, served on the board of the New York State Perinatal Association, and served as the Research Coordinator for the Academy of Nutrition and Dietetics Women's Health Dietetics Practice Group. Christine is a mom & an active researcher, author and editor on topics of nutrition, pregnancy and women's health including the online reference for clinical and medical professionals UpToDate®.

CAPT Joseph Hibbeln, M.D., USPHS, is a Clinical Investigator and is the Acting Chief of the LMBB/SNN at NIAAA. Dr. Hibbeln has been the principal investigator of numerous studies at the NIH Clinical Center over the past 20 years. He has participated in extensive international collaborative clinical trials of omega-3 fatty acids for the prevention of suicide, postpartum depression, and violence. He is a primary collaborator in the Avon Longitudinal Study of Parents and Children, Bristol, UK, examining the residual effect of nutritional insufficiencies in pregnancy in childhood neurodevelopmental outcomes and relevant gene-nutrient interactions. Dr. Hibbeln was one of the first investigators to draw attention to the importance of omega-3 fatty acids in psychiatric disorders. He received his M.D. at the University of Illinois at Chicago and completed his residency in Psychiatry at the University of California at Los Angeles.

Emily Oken, MD, MPH, is Alice Hamilton Professor in the Department of Population Medicine at Harvard Medical School and Harvard Pilgrim Health Care Institute, and Professor in the Department of Nutrition at the Harvard TH Chan School of Public Health. Her research focuses on the influence of nutrition and other modifiable factors during pregnancy and early childhood on long-term maternal and child health, especially cardiometabolic health and cognitive development. She has also led a number of studies examining predictors and sequelae of maternal overweight, weight gain, and related conditions such as gestational diabetes mellitus in the peripartum period. Her work on the toxicant risks and nutrient benefits of prenatal fish consumption has influenced national guidelines for fish consumption during pregnancy, helping to shift the previous focus of risk-only or benefit-only studies to a broader emphasis on the overall health effects of fish consumption for mother and baby. She has also published widely on perinatal influences on child health including asthma and atopy. In support of this work, she has led longitudinal studies commencing in the peripartum period and following mothers and children throughout childhood. She has served on committees to develop maternal nutrition guidelines both nationally and internationally. Dr. Oken received her medical degree from Harvard Medical School in 1996 and completed her internship and residency in internal medicine and pediatrics at the Harvard Combined Program. She completed her fellowship in general internal medicine at Harvard Medical School and obtained her master's degree in public health from the Harvard School of Public Health.

Daniel Pauly, FRSC, UBC, is Killam Professor, Sea Around Us at the Institute for the Oceans and Fisheries & Department of Zoology of the University of British Columbia, Vancouver, Canada. Dr. Pauly has supervised a large number of Master and PhD students in the Philippines, Germany, and British Columbia. The concepts, methods and software which he (co-)developed, documented in over 1000 scientific and general-interest publications, are used throughout the world, not least as a result of his teaching courses and supervising students in four languages on five continents. This applies especially to the Ecopath modeling approach and software and FishBase, the online encyclopedia of fishes, the latter recently complemented by SeaLifeBase. This work is recognized in various profiles, notably Science; Nature; and the New York Times. Dr. Pauly has received numerous awards, among them being elected a Fellow of the Royal Society of Canada in 2003; receiving the Award of Excellence of the American Fisheries Society in 2004; the International Cosmos Prize, Japan in 2005, the Volvo Environmental Prize, Sweden in 2006, the Excellence in Ecology Prize, Germany in 2007, the Ramon Margalef Prize in Ecology, Spain in 2008, and the Albert Ier Grand Medal in the Science category in 2016). Dr. Pauly was also knighted as Chevalier de la Légion D'Honneur in 2017 by the French government on Bastille Day.

Nicholas Ralston, PhD, is a Research scientist at the University of North Dakota. His research group studies molecular mechanisms of disease in association with exposures to toxicants (e.g., mercury, cadmium and certain organic agents) with special emphasis on their interactions with enzymes that require selenium to function. Since dietary selenium intakes are inversely related to risks of adverse outcomes accompanying high exposures to these materials, another area of interest is identifying regions of the world with poor selenium availability. He advises on development of studies by groups interested in investigating health effects of mercury–selenium interactions. Other recent projects involve deployment of a recently patented gasification technology that enables economically viable waste-to-energy systems to alleviate harm from ocean pollution while also resolving air and land pollution issues.

Martin D. Smith is the George M. Woodwell Distinguished Professor of Environmental Economics in the Nicholas School of the Environment and the Department of Economics at Duke University. He earned a PhD at University of California, Davis in Agricultural and Resource Economics (2001) and a BA at Stanford University in Public Policy (1992). Smith studies the economics of the oceans and works primarily on bioeconomics of the fishery, economics of global seafood markets and trade, and economics of coastal climate change adaptation. He has served as Editor-in-Chief of the journal *Marine Resource Economics* and as a member of the Ocean Studies Board of the U.S. National Academies of Sciences, Engineering, and Medicine, a member of the Scientific and Statistical Committee of the Mid-Atlantic Fishery Management Council, and President of the International Institute of Fisheries Economics and Trade. Smith has published over 100 scholarly articles, book chapters, and reviews, including works in *The American Economic Review*, *Nature*, *Science*, and *PNAS*. He has made appearances on NPR and BBC Radio to discuss seafood issues and has received national and international awards, including an Aldo Leopold Leadership Fellowship, Quality of Research Discovery from

the Agricultural and Applied Economics Association, and Fellow of the International Institute of Fisheries Economics and Trade. His research has been funded by the National Science Foundation and National Oceanic and Atmospheric Administration.

Dr. Edwin van Wijngaarden is Professor of Public Health Sciences, Environmental Medicine, Pediatrics, Dentistry and Community Health & Prevention at the University of Rochester School of Medicine and Dentistry, Rochester, NY. He is also Associate Chair of the Department of Public Health Sciences. Dr. van Wijngaarden received an MSc in Environmental Sciences from Wageningen University in The Netherlands, and a PhD in Epidemiology from University of North Carolina at Chapel Hill. He has extensive experience in managing and conducting epidemiologic studies and in academic leadership. He has authored over 160 peer-reviewed manuscripts primarily in the areas of environmental and occupational health. For the past 18 years, his research has focused on the potential effects of exposure to metals on neurodevelopment and cognitive aging, and the modifying role of nutrients and genes on metal neurotoxicity. Dr. van Wijngaarden is currently the Principal Investigator of a longitudinal cohort study investigating the potential influence of exposure to methyl mercury from fish consumption on child development. He is strategic director of research education in the University of Rochester's Clinical and Translational Sciences Institute. He has trained about 100 graduate students in public health and related disciplines. Dr. van Wijngaarden is a fellow of the American College of Epidemiology. He has served in consulting and expert review roles at institutional, state and national levels, including study sections for federal research programs. From 2016-2017, he was a member of the Environmental Protection Agency's Chartered Science Advisory Board. He is the Editor-in-Chief of the International Archives of Occupational and Environmental Health. His research has been supported by the National Institutes of Health and the Centers for Disease Control and Prevention.