Dr. Christopher Bellona, Ph.D.

Dr. Bellona’s teaching and research interests primarily revolve around technologies for water and wastewater treatment, water reuse, and remediation. Particularly, he strives to use fundamental concepts to understand the behavior of large treatment systems. A large percentage of his research has been focused on potable wastewater reuse and the removal of organic contaminants from water and wastewater using advanced treatment processes. More recently, he has been engaged in numerous research projects investigating the treatment of mining wastewater and removal of per- and polyfluoroalkyl substances (PFAS) from various impacted water resources.

Nancy McTigue

Nancy McTigue is a director at Cornell Engineering Group and prepared a report for WRF on cyanotoxins research needs. She also participated in the WRF workshops held around the country on cyanotoxins. She is the Director of Cornell Laboratory that does compliance testing, research, and methods training for water utilities and organizations.

Dr. Jen Clancy, Ph.D.

Dr. Jen Clancy is President and co-founder of ESPIE. She has over 35 years’ experience in drinking water quality and treatment, with a focus on waterborne pathogens. She began working on Legionella and Legionnaire's disease at the U. of Vermont Department of Medicine in 1980. Her research includes other opportunistic waterborne pathogens - Pseudomonas aeruginosa, nontuberculous mycobacteria, and Naegleria fowleri. She recently completed an EPA study on these pathogens in building water systems. Dr. Clancy works with state agencies and building owners and managers on detection and control of legionella in building water supplies, cooling towers, and decorative water features.

Dr. David Cornell, Ph.D.

Dr. David Cornell currently serves as the Chair of the CCLU TAW which oversees the Cyanotoxin workgroup and recently lead a series of workshops for WRF focused on preparing for and mitigating algal blooms and cyanotoxins. He developed the widely used and published utility SOP document for addressing cyanobacteria and cyanotoxin events. He also led research efforts on PAC use for cyanotoxin removal. He is the President of Cornell Engineering Group, an engineering consulting firm that has assisted a number of utility clients in all aspects of drinking water treatment, including treatment and outreach on cyanotoxin issues. He is also an Adjunct Full Professor at the University of Florida.

Dr. Jack Kiefer, Ph.D.

Dr. Jack Kiefer has over 27 years of consulting experience in water demand analysis and forecasting, integrated water resources planning, risk and uncertainty analysis, applied economics, and econometrics. Dr. Kiefer has directed several National-scale studies for the Water Research Foundation concentrating on key factors that influence water demand, future uncertainties, and information needs. He continues to support some of the largest water utilities in North America in demand forecasting, planning, and program evaluation. Dr. Kiefer currently serves as a senior leader within Hazen and Sawyer’s Water Resources and Economic Services practice groups.

Jim Cooper

Jim Cooper is an Associate Vice President at Arcadis and serves as the Global Solutions Leader for Intelligent Water. Jim earned an Executive Certificate for Artificial Intelligence: Implications for Business Strategy from the Massachusetts Institute of Technology, and has Bachelor’s and Master’s degrees in Civil Engineering from the University of Akron. He is a trustee for the American Water Works Association, past president of his local Water Environment Federation section, and a well-established industry thought leader, authoring more than 45 publications, and maintaining licenses and certifications in sustainability, project management, and water and wastewater operations. Jim is also a Professional Engineer in seven states.

Joseph W. Kane

Joseph W. Kane is a senior research associate and associate fellow at the Metropolitan Policy Program at Brookings. Kane’s work focuses on a wide array of built environment issues, including water infrastructure. Within his areas of research, he has explored infrastructure’s central economic role across different regions as well as its relationship to opportunity and resilience. Across several projects, he has concentrated on the use of innovative datasets, combining them with other qualitative measures to better assess current and future infrastructure needs. Kane holds a master’s degree in urban and environmental planning from the University of Virginia and a bachelor’s degree in economics and history from the College of William and Mary.