Speaker and Panelist Bios

Carolina Balazs is a Research Scientist for the California Environmental Protection Agency's (EPA) Office of Environmental Health Hazard Assessment (OEHHA), where she leads OEHHA's Human Right to Water work. Balazs is also the co-founder and co-lead of the Water Equity Science Shop at the University of California, Berkeley, a cross-institutional collaboration promoting community-based water equity research. Her studies on social disparities in drinking water contamination in California --published in leading public health journals—were among the first such studies in California. Prior to joining OEHHA, she was a post-doctoral scholar at UC Davis and worked as a Research Scientist with the Community Water Center. She is the recipient of the Switzer Environmental Leadership Fellowship, the UC Chancellor's Award for Diversity and Community, the National Science Foundation Graduate Research Fellowship and a Fulbright Fellowship. She holds a PhD and Masters from UC Berkeley in Energy and Resources, and a BS magna cum laude in Environmental Science from Brown University.

Janice Beecher was appointed as Director of MSU's Institute of Public Utilities in 2002 and now brings more than thirty years of applied research experience to the position. Beecher's areas of interest include regulatory principles, institutions, governance, and pricing and she specializes in the water sector. She is a frequent author, lecturer, and participant in professional forums and Editor of the journal Utilities Policy (Elsevier). She co-authored the book Risk Principles for Public Utility Regulators (MSU Press). Beecher is presently serving on the U.S. EPA's Environmental Finance Advisory Board and previously served on Michigan's 21st Century Infrastructure Commission. She has also advised the state and cities on water policy, pricing, and affordability. She previously held positions at The Ohio State and Indiana Universities and the Illinois Commerce Commission. She is a faculty member in MSU's Department of Political Science and holds a Ph.D. in Political Science from Northwestern University

Bruce Dvorak is a Civil Engineering and Biological Systems Engineering Professor at the University of Nebraska-Lincoln. He performs research and extension outreach on drinking water (both domestic and small rural systems), wastewater, and environmental sustainability issues. He focuses on issues associated with small communities on the Great Plains. He has published about 50 refereed journal papers and 30 extension publications. He recently completed a term on the American Water Works Association Board of Directors, and has served as the Associate Director of Outreach for the US EPA-funded Center "Water Innovation Network for Sustainable Small Systems", called WINSSS. WINSSS is one of two US Centers focused on developing and encouraging the implementation of innovative technical solutions for small drinking water systems. Dvorak earned his Ph.D. in Civil Engineering from the University of Texas at Austin in 1994, and his master's in Environmental Health Engineering, The University of Texas at Austin in 1990.

Kasey Faust is an Assistant Professor in the Department of Civil, Architectural and Environmental Engineering at the University of Texas at Austin (2015-present). Her research on sociotechnical systems—primarily water sector infrastructure—aims to improve service to communities. Faust's work spans the project phase during construction through the operations phase, exploring human-infrastructure interactions, infrastructure interdependencies, and the institutional environment. Current studies within her research group include: human-water sector infrastructure interdependencies in cities experiencing urban decline; disaster migration and the resilience of the built environment; incorporating equity into water infrastructure decision-making; sociotechnical modeling of infrastructure systems including gentrification and food deserts; the impact of policies and regulations on the built environment; understanding the impact of institutional elements on projects; and modeling of public perceptions. Faust earned her Ph.D. in Civil Engineering from Purdue University in 2015, and her Masters in Civil Engineering from Purdue University in 2010.

Michelle Frederick is a California registered professional civil engineer. After several years in environmental consulting and 2 years in the Peace Corps in West Africa, she started working for the State drinking water program in 2005. She has worked in various positions in the drinking water program including as a staff engineer and the Mendocino District Engineer. Her current position allows her to help water systems work through the various hurdles to forming water system partnerships. She covers the Northern California Field Operations Branch, which includes all the California counties including and north of Monterey, San Benito, Stanislaus, Calaveras and Alpine to the Oregon border. She also assists in several state-wide programmatic efforts. Frederick holds a bachelor's degree in chemistry from UC Berkeley and a master's degree from Georgia Tech in environmental engineering

David Harvey is the Deputy Director of the Division of Sanitation Facilities Construction (SFC) at the Indian Health Service in Rockville, MD. He provides leadership and oversight on data, guidelines and interagency coordination for an environmental health program supporting American Indian and Alaska Native Tribes with the needs identification, planning, design and construction of water, wastewater and solid waste facilities. The SFC Program employs nationally over 500 professional, technical and administrative staff and received in FY 2018 over $200 million in appropriated and contributed funds for the construction of sanitation facilities to address $2.7 billion in identified needs. Capitan Harvey is a registered Professional Engineer in the State of Maine holds a Bachelor of Science degree from the University of Maine, a Master of Science degree from the University of Connecticut both in Civil Engineering and a Master of Public Health degree from Johns Hopkins University Bloomberg School of Public Health. In 2019 he was named by Johns Hopkins University as a Bloomberg American Health Initiative Fellow and is currently pursuing a Doctor of Public Health Degree.

George Hawkins launched his innovation-focused enterprises Moonshot LLC and Moonshot Missions after stepping down as CEO and General Manager of DC Water, where he served for eleven years, including several as a Board member. George helps agencies identify and adopt strategies to deliver better service and lower cost. George transformed DC Water into an innovative enterprise while tripling its investment in clean water. DC Water's innovations ranged from Green Infrastructure to a $500 million investment in clean energy. DC Water issued the first century bond, first environmental impact bond, and spearheaded programs to support low income customers. Hawkins also served as Director of the DC Department of the Environment and served as Director of non-profit organizations and held positions with the USEPA and the firm Ropes & Gray. He has been the recipient of many awards, including the AWWA's Fuller Award for Leadership and Innovation, Governing Magazine's Public Official of the Year in 2015, WEF Public Official of the Year in 2016, and the Water Leader of the Year Prize in 2017. DC Water was awarded the US Water Prize in 2016. He graduated from Princeton University and from Harvard Law School.

Chris Impellitteri serves as the Associate National Program Director for EPA Office of Research and De velopment's Safe and Sustainable Water Resources Research Program. Impellitteri leads EPA research on water treatment and infrastructure that focuses on comprehensive water management in support of EPA's Program and Regional Offices and State partners for protecting water resources. Skilled in Environmental Awareness, Environmental Compliance, Environmental Engineering, Sustainability, and Water Quality. Strong professional with a Doctor of Philosophy (PhD) in Civil and Environmental Engineering from University of Delaware.

Peter Grevatt is the Director of Training and Technical Services for the Rural Community Assistance Partnership (RCAP). He has over 30 years of experience combining a strong technical background in water quality and treatment, with an extensive experience in training development and delivery. Jeff was Principal at Oxenford Consulting and has worked for the Water Research Foundation and New Jersey Department of Environmental Protection. He has an M.S.E. in Environmental Engineering from the University of North Carolina at Charlotte and a B.A. in Chemistry and Environmental Management from Warren Wilson College.

Branko Kerkez an assistant professor in the Civil and Environmental Engineering department at the University of Michigan. His research interests include water, data, and sensors. His research group is conducting research on smart water systems. Kerkez is the co-founder of Open-Storm.org, an open source consortium dedicated to freely sharing technologies and lessons for the sensing and control of water systems. He received his M.S. and Ph.D. in Civil and Environmental Engineering, and an M.S. in Electrical Engineering and Computer Science, all from UC Berkeley. He was recognized in 2018 by National Academy of Engineering as a Gilbreth Lecturer, presenting on the topic of smart stormwater systems. Dr, Kerkez received his Ph.D. in Civil and Environmental Engineering from UC Berkeley in 2012 and his M.S. in Civil and Environmental Engineering from UC Berkeley in 2008.

Andy Kricun is the Executive Director and Chief Engineer of the Camden County Municipal Utilities Authority, operators of an 80 million gallon per day wastewater treatment plant in Camden, NJ. He has 34 years of experience in wastewater and biosolids management. Kricun serves on the board of the National Association of Clean Water Agencies and on the New Jersey Environmental Justice Advisory Council. He graduated with honors from Princeton University with a degree in Chemical Engineering. He also has a professional engineer's license in Civil Engineering.

Upmanu Lall is the Director of the Columbia Water Center and the Alan and Carol Silberstein Professor of Engineering, and the Chair of the Dept. of Earth & Environmental Engineering at Columbia University. He has broad interests in hydrology, climate dynamics, water resource systems analysis, risk management and sustainability. He is motivated by challenging questions at the intersection of these fields, especially where they have relevance to societal outcomes or to the advancement of science towards innovative application. Lall is a Fellow of the American Geophysical Union, a Fellow of the American Association for the Advancement of Science, and was awarded the Henry Darcy Medal by the European Geosciences Union, and the Arid Lands Hydrology Award by the American Society of Civil Engineers. Upmanu Lall received his B.S. in 1977 from the Indian Institute of Technology and both his M.S. (1980) and Ph.D. (1981) in Civil Engineering from the University of Texas.

Eugene Leung is the Drinking Water Treatment Technical Specialist for the California State Water Resources Control Board, Division of Drinking Water. He is responsible for providing technical support to the Division's field offices, local primacy agencies and the water treatment devices registration program. He also serves as the co-chair of the Division's Water Treatment Committee and is responsible for the review of new and innovative treatment technologies on behalf of the Division. Leung has served in the current position since 2010.Prior to his appointment as the Drinking Water Treatment Technical Specialist, he was an Associate Sanitary Engineer at the Santa Clara District office for 13 years. He had oversight responsibility for public water systems in the Bay Area that ranged in size from a single-well small water system to large regional systems. He is experienced with the review and permitting of treatment technologies that are used for treating nitrate, perchlorate, manganese, organic contaminants and surface water sources. He has an MS and BS in Civil and Environmental Engineering from the University of California, Los Angeles. He is a registered Civil Engineer and a licensed T4 Water Treatment Operator in California.

E. Yvonne Lewis is the Founder and CEO of the National Center for African American Health Consciousness. Through the National Center, Yvonne, consults and facilitates community education and awareness efforts. She serves a leadership role in organizing and facilitating education and information sessions for community and in the develop-ment and implementation of Community/Academic Partnerships. She is the Co-Director of the Healthy Flint Research Coordinating Center, a Community/Academic Partnership with Community, Michigan State University, the University of Michigan-Ann Arbor and Flint Campuses. Yvonne is immediate past Chair of the Board of Directors of the Genesee Community Health Center, Federally Qualified Health Center, as well as a member of other community-based organization ad-visory councils. Yvonne assisted in the development of and moderated the University of Michigan-Flint, Water Crisis Course. The Water Crisis Course focused on the issues ofthe Flint Water Crisis and provided a platform for the voice of community to be heard. Approximately 1000 individuals attended the Winter 2016/Spring 2017 sessions. She is completing her Master of Science in Health Education from the University of Michigan-Flint and earned a Bachelor of Science in Clinical/Community Psychology from University of Michigan-Flint in 1996.

Megan Mullin is Associate Professor of Environmental Politics at Duke University's Nicholas School of the Environment. She has secondary faculty appointments in the Department of Political Science and the Sanford School of Public Policy. Mullin is a scholar of American political institutions and behavior, focusing on the intersection between environmental conditions and political decision making. She has published widely in journals including Nature, American Journal of Political Science, Journal of Politics, and Journal of Public Administration Research and Theory, and she is the author of Governing the Tap: Special District Governance and the New Local Politics of Water (MIT Press, 2009). Her current research focuses on public opinion about climate change, the local politics of climate adaptation, and the governance and finance of urban water services. For the last year, Mullin has been leading Innovations in Infrastructure, an interdisciplinary research, educational, and outreach initiative that uses drinking water as a model for developing pathways to a robust infrastructure for delivery of basic services. She earned her Ph.D. from the University of California at Berkeley in 2005.

Jeff Oxenford joined RCAP part-time in 2014 to assist in training design, curriculum development, and technical assistance. Jeff has over 25 years of experience with the water supply industry and combines a strong technical background in water quality and treatment, with extensive business experience in training, knowledge management, and, customer service. Prior to joining RCAP, Jeff was Principal at Oxenford Consulting (which he still manages). He also has worked for the Water Research Foundation and New Jersey Department of Environmental Protection. He has an M.S.E. in Environmental Engineering from the University of North Carolina at Charlotte and a B.A. in Chemistry and Environmental Management from Warren Wilson College.

Kristi Pullen Fedinick is the Director of Science and Data at the National Resources Defense Council. Her decades-long research career includes experience in molecular, structural, and computational biology; biochemistry; and population health. Prior to joining the Healthy People & Thriving Communities team, she worked as a scientist for the Environmental Law & Policy Center, where she focused on air and drinking-water quality, science communications, and environmental justice. For NRDC, Pullen has worked primarily on high-throughput technologies, predictive toxicology, and chemical-risk assessments. She holds a bachelor's degree in biochemistry and molecular biology from the University of Maryland, Baltimore County, and a PhD in molecular and cell biology from the University of California, Berkeley. She was a Robert Wood Johnson Foundation Health and Society Scholar at the Harvard School of Public Health..

Alan Roberson is Executive Director of the Association of State Drinking Water Administrators (ASDWA). ASDWA's members (the state and territorial drinking water agencies) are co-regulators under the Safe Drinking Water Act (SDWA) with the Environmental Protection Agency (EPA). Roberson has over 28 years of experience in the development of drinking water policy and federal and state drinking water regulations. He and his staff work closely with EPA and the state and territorial drinking water agencies in the development and implementation of federal drinking water regulations. Roberson coordinates with his members to establish the policy direction on all federal water regulatory and security and preparedness issues, as well as manage the finances and strategic planning for ASDWA. Roberson is also on the Board of Directors for Fairfax Water, the largest water system in Virginia, and serves as Treasurer and Chair of the Water Quality & Supply Committee. He has a Bachelor's in Civil Engineering from Georgia Tech and a Master of Science in Civil Engineering from Virginia Tech.

Chris Sturm directs water programs and policy at New Jersey Future, a nonprofit organization that promotes sustainable growth, development and infrastructure investments. Her work focuses on upgrading water infrastructure to support healthy, just and prosperous communities, and includes facilitating the Jersey Water Works collaborative and managing the organization's work on green infrastructure, water financing, community organizing and performance metrics. She has built successful teams and collaborations to accomplish legislative, regulatory and programmatic innovations in areas including climate resilience, state and regional planning, land preservation, and compact, equitable growth. She is a member of the Clean Water Council of New Jersey and the U.S. Water Alliance One Water Council. Her career experience includes serving as the assistant director of the Capital City Redevelopment Corporation. She holds a master's degree in Public Affairs from the Woodrow Wilson School at Princeton University, where she concentrated in Urban and Regional Planning.

Manuel Teodoro works at the intersection of politics, public policy, and public management. His research focuses mainly on U.S. environmental policy and implementation, including empirical analyses of environmental justice. In addition to academic studies, Teodoro pursues a line of applied research on utility management, policy, and finance. He's developed novel methods for analyzing utility rate equity and affordability, and works on these issues directly with governments and water sector leaders across the United States. Professor Teodoro also studies public management and bureaucratic politics, emphasizing labor markets as political phenomena and predictors of organizational performance. His award-winning book, Bureaucratic Ambition (2011, Johns Hopkins), argues that ambition shapes administrators' decisions to innovate and to engage in politics, with important consequences for innovation and democratic governance. He earned his Ph.D. in Political Science & Public Policy from the University of Michigan and his mater's of Public Administration from Cornell University in 1997.

Mae Wu has focused her legal advocacy on getting toxic chemicals out of consumer products and strengthening the regulation of pesticides. She has worked on efforts to remove antimicrobials from soap, curb the use of antibiotics in livestock, and protect the quality of drinking water. Wu previously served on a federal advisory committee to revise the U.S. Environmental Protection Agency's Total Coliform Rule, the agency's Pesticide Program Dialogue Committee, and its National Drinking Water Advisory Council. She received her bachelor's degree in chemical engineering from Rice University, her master's in environmental policy from the University of Cambridge, and her JD from Duke University.

Planning Committee Bios

Chair

Martha E. Rudolph served from 2007 to 2019 as the director of environmental programs for the Colorado Department of Public Health and Environment, providing oversight to the Air Pollution Control, Hazardous Materials and Waste Management, Water Quality Control, and Environmental Health and Sustainability divisions. An experienced environmental attorney, Rudolph served for 14 years in the Colorado attorney general's office, where she represented the Air Pollution Control Division, the Hazardous Waste Commission and the Water Quality Control Commission. She also has been in private practice in Denver. Rudolph was an active member of the Environmental Council of States. She served as president, chair of the ECOS Air Committee, vice chair of the ECOS Planning Committee and on the board of directors of the Environmental Research Institute of the States. She received her BA in International Affairs from University of Colorado Boulder and her JD from Georgetown University Law Center.

Members

Maura Allaire is an Assistant Professor at the University of California, Irvine. With expertise in water resource economics, her research focuses on the development of improved strategies for ensuring safe drinking water for all, assessing trends and disparities in nationwide water quality, and decision support for water resource management. Her professional experience spans the public and private sectors, including international organizations (World Bank, Global Development Network, Fulbright Scholar Program), think tanks (Resources for the Future, International Water Management Institute), and environmental consulting (AMEC). She holds a Ph.D. from the University of North Carolina in Environmental Management and Policy (2015) as well as bachelor's degrees in Economics and Geology from Tufts University. In addition, she was a Postdoctoral Fellow at Columbia University's Earth Institute.

Mark W. LeChevallier is the principal of Dr. Water Consulting, having recently retired from the American Water Company. LeChevallier's expertise is in water quality, treatment, and innovation for potable water, reclaimed water, and desalination, with research interests in Legionella, Mycobacterium, Giardia, cryptosporidium, and other aspects of microbes and water quality reflected in over 300 research papers, book chapters, and reports. LeChevallier is now on the Drinking Water Subcommittee of the US EPA Science Advisory Board and has served on other committees for the EPA, American Water Works Association (AWWA) and other organizations, as well as in editorial positions. LeChevallier received the George Warren Fuller and the Abel Wolman Awards as well as the A.P. Black award for research from AWWA. He was named a trendsetter by Public Works magazine to "recognize leaders in the public works community who have defined policy, brought their community or an issue into the spotlight, or set the standard within the industry." For the National Academies of Sciences, Engineering, and Medicine, LeChevallier serves on the Water Science and Technology Board and the Committee on the Management of Legionella in Water Systems. He has also served on the Committee on Public Water Supply Distribution Systems at the National Academies, which authored the report Public Water Supply Distribution Systems: Assessing and Managing Risk. LeChevallier is a fellow of the American Academy of Microbiology, with a Ph.D. in Microbiology from Montana State University.

Jacqueline MacDonald Gibson is currently Professor in the Department of Environmental Sciences and Engineering in the Gillings School of Global Public Health at the University of North Carolina, Chapel Hill. Beginning in August 2019, she will serve as Chair of the Department of Environmental and Occupational Health at Indiana University. Her expertise includes quantifying human health risks of environmental contaminants to inform environmental policy decisions, as well as assessing disparities in drinking water quality in the United States and identifying policies and interventions to overcome those disparities. Gibson has served on the staff of the National Academies of Sciences, Engineering, and Medicine, including as Associate Director of the Water Science and Technology Board and as a member of the Committee on Inherently Safer Chemical Processes. While on staff, she earned the Individual Staff Award for Distinguished Service. She holds dual PhD degrees from the Department of Engineering and Public Policy and the Department of Civil and Environmental Engineering at Carnegie Mellon University.

Devon C. Payne-Sturges is an Assistant Professor with the Maryland Institute for Applied Environmental Health at the University of Maryland, School of Public Health. She also holds a joint appointment in the Department of Epidemiology and Biostatistics. Prior to joining the faculty at the University of Maryland, Payne-Sturges served as Assistant Commissioner for Environmental Health with the Baltimore City Health Department then later as the Assistant Center Director for Human Health with U.S. EPA's National Center for Environmental Research where she focused on biomonitoring for policy analysis, cumulative risk assessment, health impact assessment, environmental health indicator development, children's environmental health and environmental health of minority populations. Her research focuses on racial and economic disparities in exposures to environmental contaminants and associated health risks with the aim of health of communities and populations, especially vulnerable, low income and minority populations. She recently completed a Fulbright Senior Specialist project with Hochschule für Gesundheit (HSG) - University of Applied Sciences in Bochum, Germany, on cumulative risk assessment and environmental justice. Payne-Sturges earned her Master of Public Health and Doctor of Public Health degrees in environmental health sciences from Johns Hopkins Bloomberg School of Public Health.

Camille Pannu served as the inaugural director of the Water Justice Clinic at UC Davis School of Law, the first clinic of its kind in the country, and is currently a visiting clinical law professor at the Community and Economic Development Clinic at UC Irvine School of Law. Her practice utilizes transactional legal tools to redress the impact of racial and economic inequality on access to clean, safe drinking water in California's low-income communities.Prior to joining King Hall, Pannu served as an Equal Justice Works Fellow in the southern San Joaquin Valley, where she partnered with low-income communities to address poverty, and racial and environmental inequality through community-owned "green-collar" enterprises. She then clerked for the Honorable Stefan R. Underhill of the U.S. District Court for the District of Connecticut, and for the Honorable Richard A. Paez of the U.S. Court of Appeals for the Ninth Circuit. Pannu received her undergraduate and law degrees from UC Berkeley.

Amy Pruden is the W. Thomas Rice Professor in the Department of Civil and Environmental Engineering at Virginia Tech. Her research focuses on bringing a microbial ecological perspective to understanding and advancing design and management of drinking water, recycled water, and wastewater systems. Pruden serves as an Associate Editor for the journal Environmental Science & Technology and has published more than 125 peer-reviewed manuscripts and book chapters, with particular emphasis on antibiotic resistance and opportunistic pathogens. She is currently the principal investigator on a U.S. Centers for Disease Control-funded contract to investigate the fate of antibiotic resistant pathogens and antibiotic resistance markers in recycled water systems as well as Co-PI an NSF Partnership for International Research and Education grant investigating how different socioeconomic, water sanitation, hygiene, water treatments and other factors influence the metagenomic profiles of various antibiotic resistance genes in wastewater treatment plants. Pruden currently serves on the National Academies Committee on the Management of Legionella in Water Systems. She received her PhD in Environmental Science from the University of Cincinnati.

Deborah Swackhamer is Professor Emerita of Science, Technology, and Public Policy in the Humphrey School of Public Affairs, and Professor of Environmental Health Sciences in the School of Public Health at the University of Minnesota. She also directed the Water Resources Center from 2002 until 2014. She studies the processes affecting the behavior of and exposures to toxic chemicals in the environment and works on policies to address these potential risks. In 2012, Swackhamer completed a 4-year term as Chair of the Science Advisory Board of the US Environmental Protection Agency, and served as a member of the Science Advisory Board of the International Joint Commission of the US and Canada from 2000-2013. She currently serves on the Board on Environmental Studies and Toxicology and recently served on the National Academies committee addressing Sustainability Linkages in the Federal Government and the Committee Strengthening the US Environmental Protection Agency Laboratory Enterprise. She currently serves as a Governor appointee on the Minnesota Clean Water Council. She was President of the National Institutes of Water Resources in 2011-2012. She is a Fellow in the Royal Society of Chemistry in the UK. Swackhamer received the 2007 Harvey G. Rogers Award from the Minnesota Public Health Association. In 2009, she received the prestigious Founders Award from the Society of Environmental Toxicology and Chemistry for lifetime achievement in environmental sciences. She was the 2010 recipient of the University of Minnesota's Ada Comstock Award. In November 2014, she was named an Inaugural Fellow of the Society of International Toxicology and Chemistry. She received a BA in Chemistry from Grinnell College and an MS and PhD from the University of Wisconsin-Madison in Water Chemistry and Limnology and Oceanography, respectively.

Steven D. Wilson is a Principal Scientist at the University of Illinois, working as a groundwater hydrologist at the Illinois State Water Survey (ISWS), where he also leads the ISWS Data Management and Outreach Services Group. He authored the 10-lesson Private Well Class, an online self-paced curriculum for private well owners. He manages WaterOperator.org, an online resource for water and wastewater operators geared toward supporting small systems under 10,000 in population. He is past Director of the Midwest Technology Assistance Center for small systems at Illinois, and is involved in a number of national small system initiatives. He is also part of the Water Innovation Network for Sustainable Small Systems treatment technology center led by the University of Massachusetts at Amherst. Wilson has spent over 30 years conducting applied research and providing technical assistance to small communities and private well owners. Major areas of research include evaluating arsenic occurrence, understanding arsenic variability in groundwater, aquifer assessment and management, factors affecting groundwater quality, and understanding public water supply treatment issues. Wilson received B.S. degrees in Agricultural Engineering and Agricultural Science and an M.S. degree in Civil Engineering, all from the University of Illinois at Urbana-Champaign.

Workshop Staff Bios

Marilee Shelton-Davenport is a Senior Program Officer at the National Academies of Sciences, Engineering, and Medicine, where she works on the innovative cross-institutional Environmental Health Matters Initiative. Marilee has worked since 1999 guiding the country's best scientists and practitioners in providing authoritative advice to agencies and other organizations interested in biomedical research and regulatory issues. Specifically, she has experience developing and executing impactful activities that serve the National Institutes of Health, the Environmental Protection Agency, the Department of Defense, and the Food and Drug Administration. Marilee's work with the NASEM Board on Life Sciences and the Board on Chemical Sciences and Technology has focused on emerging science related to the impact of the environmental exposures on human health and defense. A leader of multi-disciplinary and multi-sector teams, Marilee is skilled at guiding experts in drilling down to the root of issues, generating strategies, and developing creative solutions. Marilee has a B.S. in Biochemistry from Clemson University and a PhD in Pharmacology from the University of North Carolina.

Stephanie E. Johnson is a Senior Program Officer with the Water Science and Technology Board. Since joining the National Academies in 2002, she has worked on a wide range of water-related studies, on topics such as desalination, wastewater reuse, contaminant source remediation, coal and uranium mining, coastal risk reduction, and ecosystem restoration. Johnson received her B.A. from Vanderbilt University in chemistry and geology, and her M.S. and Ph.D. in environmental sciences from the University of Virginia.

Laura Runnels leads LARC Consulting. Laura was born on a mountaintop in Tennessee, raised in a small-town in Mississippi, and educated in Connecticut, California, and Missouri. She has over 15 years of experience supporting local, state, and federal clients. She is a collaboration engineer known for designing and facilitating highly engaging, efficient, and productive meetings, trainings, and workshops. Laura holds an MPH from Saint Louis University and completed her undergraduate studies at Yale University.

Kesiah Clement is a program assistant for the Board on Chemical Sciences and Technology. She joined the BCST staff in July, 2019. In May 2019, Kesiah graduated from Georgetown University's School of Foreign Service with a B.S. in Science, Technology, and International Affairs focusing on global environmental health.

Madison Pravecek is a Research Assistant for the Board on Chemical Sciences and Technology. She has been with The National Academies since June, 2019. Madison graduated from the School of Foreign Service at Georgetown University in May, 2019 with a degree in Science, Technology, and International Affairs, focusing on energy and the environment.

Elise Zaidi is a Communications and Media Associate for the Division on Earth and Life Studies (DELS). Her primary responsibilities include promoting report releases, creating derivative products for Academies projects and publications, and formulating targeted outreach campaigns for committee and study activities. Prior to starting her work with the Academies in July 2019, she held positions with the Council on Foreign Relations and the Pan American Health Organization. Elise graduated from The George Washington University with a Bachelor of Arts in International Affairs, a concentration in Global Public Health, and a minor in Journalism and Mass Communication.