

2019 Utah Legionnaires' Disease Prevention Conference

Guest Speakers

Allyn K. Nakashima, MD



Dr. Nakashima is currently the program manager for the Healthcare-associated Infections/Antibiotic Resistance (HAI/AR) Program at the Utah Department of Health. Before coming to Utah, she had more than 30 years of experience in applied epidemiology and public health at the U.S. Centers for Disease Control and Prevention (CDC). Throughout her career, her areas of focus have been surveillance, epidemiology, and prevention of communicable diseases, including sexually transmitted diseases, HIV, tuberculosis, healthcare-associated infections, vaccine-preventable diseases, and enteric diseases. She has worked internationally providing technical assistance to HIV and TB programs and teaching applied epidemiology.

Dr. Nakashima received a degree in pharmacy and her medical degree from University of Utah. She has received advanced epidemic training from the CDC in Atlanta, Georgia. She is board certified in the state of Georgia and Utah.

Andrea Price, LPN



Andrea is an epidemiologist with the Salt Lake County Health Department in Salt Lake City, Utah. She conducts disease investigations and surveillance of reportable diseases within Salt Lake County. She is lead investigator on legionellosis cases and provides active surveillance to identify potential clusters or outbreaks. She has worked for the Salt Lake County for 31 years in various programs, including as a Licensed Practical Nurse in infectious disease, with the past 12 years in Epidemiology Bureau.

Bill Pearson, CWT



Bill is a Biology/Medical Biochemistry graduate of East Carolina University. He is a Certified Water Technologist (CWT) with more than 40 years' experience in the water treatment industry – specializing in *Legionella* risk management. Bill has written numerous publications covering various aspects of water treatment and legionellosis and is the primary author of the AWT *Legionella* document. He is currently an ASHRAE Learning Institute instructor for ASHRAE Standard 188 and an instructor in AWT's Training Seminars program covering *Legionella* for the water treatment professional.

Professional Affiliations & Associations: American Chemical Society (ACS) American Society of Healthcare Engineering (ASHE), American Society of Heating Refrigeration and Air Conditioning Engineers (ASHRAE), Association of Water Technologies (AWT), ASSE International (ASSE) –Sanitary Engineering ASTM International (ASTM), Cooling Technology Institute (CTI), International Water Conference (IWC), National Association of Corrosion Engineers (NACE International), and NSF International (NSF)

Chelsea Schlabra, BS



Mrs. Schlabra has an expansive background in environmental hygiene applications, including water treatment, air quality, and waterborne pathogen risk mitigation. With a Bachelor's of Science degree in Biological Sciences from the University of California – Davis, she went on to develop industry experience through hands on laboratory involvement, and practical field application. She has been directly involved in writing many water safety management plans, including those for healthcare, hospitality, industrial and commercial applications. As a member of various organizations, Mrs. Schlabra has also presented on *Legionella* and waterborne pathogen risk mitigation for both cooling water and premise water to individual APIC chapters, ASHE meetings, as well as many healthcare and commercial groups.

Jeremy Macleod, Industrial Hygienist



Jeremy is an Industrial Hygienist at the Los Angeles Department of Public Health. He is currently providing guidance to skilled nursing facilities (SNF) on how to produce and implement a Water Management Program to reduce the risk of legionellosis. He received his degree in Environmental Health from King's College, University of London, and has worked in the UK as an Environmental Health Officer for 20+ years. The programs in which he has worked include industrial pollution, infectious disease, occupational health and safety, food safety and housing.

Joe Stagg, Engineer



Joe has been involved in HVAC system applications for most of his life. He has been teaching the proper principles of HVAC system design, installation, operation, and maintenance over the past 15 years. Most recently, he has been teaching expanded training programs revolving around high-efficiency, green technology, *Legionella* mitigation and energy conservation in HVAC systems. Joe is also heavily involved in operating a growing HVAC equipment sales company, representing key manufacturers throughout his Intermountain sales territories. Joe currently serves as CEO for Intermountain Hydronic Specialties (IHS), located in Salt Lake City, Utah.

Kelly Oakeson, PhD



Dr. Kelly F. Oakeson is the Chief Scientist for bioinformatics and Next Generation Sequencing for the Utah Department of Health at the Utah Public Health Laboratory (UPHL) in Salt Lake City, Utah. Dr. Oakeson's background is in microbial genomics, molecular evolution, phylogenetics, and bioinformatics. He has developed an automated bioinformatic analysis workflow at UPHL that applies phylogenetic and genomic techniques to improve infectious disease surveillance, outbreak detection, and resolution.

Kerry Cramer, LEHS



Kerry received his Bachelor of Arts degree in Environmental Biology from the University of Colorado-Boulder in 1974. He began his employment with the Salt Lake County Health Department in 1974 as a Licensed Environmental Health Scientist in the Food Protection Bureau. He spent 30 years in that Bureau, becoming a specialist in institutional food inspections, plumbing/cross connection control and plan review. In 2003, Kerry moved to the Sanitation & Safety Bureau, where he first became involved in *Legionella* investigations. In 2006, he became a supervisor in that Bureau; the position he currently holds.

In 1986, Kerry was appointed to the Plumbing Advisory Committee for the State of Utah. He served on that committee until 2015. During that period, Kerry was also appointed to the Uniform Building Codes Commission for the State of Utah—the body responsible for adoption of construction codes. Kerry is also a Level II Backflow Technician in the State of Utah.

Othman Jaber



Othman has been a Water Scientist with Utah Public Health Laboratory, Bureau of Environmental Chemistry, since January 2013. His current job duty is to investigate the growth, development and other characteristics of microscopic organisms, such as bacteria in water samples, and to prepare standard solutions and reagents for analytical procedures used in microbiology water analysis. His team is instrumental in providing outbreak support by isolating *Legionella* bacteria from water samples.

Patsy Root, MS



Patsy received her MS in Biochemistry from University of Maine, Orono. She has 12+ years' experience in water microbiology, water-related regulations and environmental laboratory accreditation. She has worked with a variety of regulatory agencies worldwide in attaining regulatory approval for IDEXX methods and on validation/verification of methods. Patsy is a long-time participant in standards development for laboratory accreditation with TNI, Standard Methods for the Examination of Water and Wastewater and ASHRAE.

Professional Affiliations & Associations: American Society of Heating Refrigeration and Air Conditioning Engineers (ASHRAE) TNI, National Environmental Laboratory Accreditation Conference Canadian Water Works Association (CWWA), American Water Works Association (AWWA), and American Public Health Laboratories (APHL)

Prabhu Gounder, MD, MPH, FACP



Dr. Prabhu Gounder is medical director of the viral hepatitis and respiratory diseases unit at the Los Angeles County Department of Public Health. He oversees surveillance and outbreak response for approximately 30 reportable infectious diseases, including *Legionella* and healthcare-associated infections in skilled nursing facilities (SNF). Prior to joining LA County in 2017, he served seven years as a medical officer with the U.S. Centers for Disease Control and Prevention. Dr. Gounder received his MD from the University of California, Los Angeles and MPH from Johns Hopkins University. He is trained in internal medicine and is a staff physician at Cedars Sinai Medical Center in Los Angeles, California.

Tori Burket, MS



Since January 2017, Tori has served as the Waterborne Disease Epidemiologist and *Legionella* Coordinator with the Colorado Department of Public Health and Environment's Communicable Disease (CDPHE) Branch. At CDPHE, she coordinates surveillance, prevention, and response for cases and outbreaks of waterborne diseases as well as providing training and outreach for public health, environmental health, and community partners.

Tori completed her MS in Environmental Health with a specialization in Epidemiology at Colorado State University, and is currently pursuing a PhD in the same program. Her thesis and dissertation papers include topics related to *E. coli*, *Legionella*, and waterborne disease outbreaks, with an emphasis on public health issues concerning One Health initiatives.

Usha Spaulding, MS



Usha joined the Research and Development of BioFire Diagnostics in 2007. Her initial work focused on development and validation of the bio-threat agent surveillance assays for contracted for various U.S. government agencies on BioFire's RAZOR and FilmArray platforms. Since 2014, her work has focused on development of syndromic diagnostic panels for the FilmArray platform. She was one of the lead scientists on the Pneumonia Panel tasked with the design and optimization of multiple analyte assays as well as semi-quantitative algorithms for this Panel. She is currently in charge of the development of the expanded and revised Blood Culture Identification 2 (BCID2) Panel.