

**Webinar on Respiratory Protection for the Public
July 28, 2022**

Speaker and Moderator Biographies

Speakers

Nancy Bernard, M.P.H., is the Washington State Department of Health's Indoor Air Quality and School Environmental Health and Safety Programs Manager. Some of her main responsibilities include developing and providing technical information, resources, and training for local health jurisdictions and K-12 schools. She helps to address several technical areas, including controlling asthma triggers; science lab, arts, and shop safety; integrated pest management; playground safety; indoor air quality; noise control; lighting; communicable and zoonotic disease control; sanitation; high performance school facilities; and safe, healthy, effective cleaning. Ms. Bernard received a master's in public health from the Tulane School of Public Health and Tropical Medicine.

Patrick Breysse, Ph.D., joined CDC in December 2014 as the Director of NCEH/ATSDR. Dr. Breysse leads CDC's efforts to investigate the relationship between environmental factors and health. He came to CDC from the Johns Hopkins University where his research focused on the evaluation and control of chemical, biological, and physical factors that can affect health, with a particular concentration on risk and exposure assessment. Under Dr. Breysse's leadership, the agency has prioritized work on exposure to lead, safe drinking water, initiated new ATSDR actions to address exposure to hazardous chemicals, and has played a critical role in CDC's emergency preparedness and response to natural disasters and chemical exposures. Dr. Breysse received his PhD in Environmental Health Engineering from Johns Hopkins University in 1985 and completed postdoctoral training at the British Institute for Occupational Medicine in Edinburgh, Scotland.

Kristin Cummings, M.D., M.P.H., is an internist and occupational medicine physician at the California Department of Public Health with training in applied epidemiology and unique experience in multidisciplinary public health research and practice. Her expertise involves new and emerging occupational respiratory diseases, the relationship between occupational exposure and lung disease risk, and the use of controls including personal protective equipment for exposure reduction and disease prevention. She is particularly concerned about occupational health disparities and the impact of nonstandard employment arrangements on health. She has characterized several novel lung diseases, identified causative exposures, demonstrated the effectiveness of workplace controls, and contributed to a national conversation about contingent work. Her work has been published widely, including in high impact journals such as JAMA, American Journal of Respiratory and Critical Care Medicine, European Respiratory Journal, Environmental Health Perspectives, and American Journal of Public Health.

J. Douglas Dykhouse, M.A., joined the Bureau of Overseas Buildings Operations (OBO) in April 2022 as the Principal Deputy Director. An experienced Senior Foreign Service Officer, Douglas brings over 21 years of service to the role. Most recently he was the Deputy Director in the Executive Office of the Bureau of South and Central Asian Affairs (NEA-SCA/EX), and previous to that, the Supervisory Post

Management Officer for Afghanistan and Pakistan. Douglas has also served as the Management Counselor at Embassy Budapest; Human Resources Officer in Kabul; Regional Management Officer in Zagreb, Croatia; General Services Officer in Ashgabat, Turkmenistan; and a Consular tour in Mexico City. He earned a Bachelor of Arts in History and a Master of Arts in Russian and East European Studies from the University of Michigan.

Gordon Gillerman, Director, Standards Coordination Office at the National Institute of Standards and Technology (NIST) and Department of Commerce Standards Executive, leads NIST's work in standards coordination and the National Voluntary Laboratory Accreditation Program. Gordon supports extensive standards development and advises federal agencies and other stakeholders on standards and conformity assessment policy. The Standards Coordination Office is the NIST standardization focal point for federal government, administers the NIST Standards Curricula Development Cooperative Agreement Program, operates the U.S. Inquiry Point for the World Trade Organization's Technical Barriers to Trade Agreement, is the U.S. Designating Authority for Telecom Mutual Recognition Agreements, and is a key information source for US industry on standards related market access issues. Gordon has extensive standards experience across a wide range of critical issues including homeland security, safety, health, and protection of the environment. Gordon is an expert on conformity assessment systems design, an advisor to the U.S. Trade Representative on technical barriers to trade and related trade agreements, and has collaborated across the standards community to develop standards based solutions for national priorities throughout his career. Gordon provided direct support in the drafting and negotiation of the Technical Barriers to Trade chapter of the USMCA.

Daniel Glucksman is the Public Affairs Director at the International Safety Equipment Association. He is known as a strategic and goal-oriented association professional, who has taken ISEA's government relations programs to new levels. He provides ISEA member companies with actionable insights on federal policies allowing these employers to grow revenue and minimize risk. He has led several Congressional and regulatory visits for manufacturing executives to achieve strategic objectives. His event management and planning skills have led to successful annual meetings and executive summits. In addition, His team-oriented approach has led to successful events. He has expanded stakeholder engagement through coalition participation and direct outreach. These activities have led to strategic alliances that move the association forward.

Gabriela Goldfarb, M.P.P., is the Environmental Public Health Section Manager at Oregon Health Authority. In this position, she leads a team of 30 technical, scientific and educational public health professionals to identify and assess threats to human health from exposure to environmental and occupational hazards in Oregon. In addition, she oversees policy, program, budget, and legislative initiatives on a range of environmental health issues including lead and other toxics exposures, climate change impacts, pesticide incidents, and more.

John Howard, M.D., M.P.H., J.D., L.L.M., M.B.A., serves as the Director of the National Institute for Occupational Safety and Health and the Administrator of the World Trade Center Health Program in the U.S. Department of Health and Human Services in Washington, D.C. He first served as Director of NIOSH from 2002 through 2008, and again from 2009 to 2015. He was re-appointed to a third six-year term in

2015 and a fourth six-year term in 2021. Prior to his appointment as Director of NIOSH, Dr. Howard served as Chief of the Division of Occupational Safety and Health in the California Department of Industrial Relations, Labor and Workforce Development Agency, from 1991 through 2002. Dr. Howard received his Doctor of Medicine from Loyola University of Chicago, his Master of Public Health from the Harvard School of Public Health, his Doctor of Law from the University of California at Los Angeles, and his Master of Law in Administrative Law and his Master of Business Administration in Healthcare Management from the George Washington University in Washington, D.C. Dr. Howard is board-certified in internal medicine and occupational medicine. He is admitted to the practice of medicine and law in the State of California and in the District of Columbia, and he is a member U.S. Supreme Court bar. He has written numerous articles on occupational health law and policy and serves as a professorial lecturer in environmental and occupational health in the Milken Institute School of Public Health at The George Washington University in Washington, D.C.

Scott Needle, M.D., is a practicing community pediatrician and Chief Medical Officer for Woodland Clinic Medical Group, a 150-clinician multi-specialty group practice affiliated with Dignity Health in Woodland, California. Previous positions include CMO for a FQHC in Sacramento, California and Medical Director for Quality and Safety at a FQHC in Naples, Florida. He was a member of the American Academy of Pediatrics' Disaster Preparedness Advisory Council from its inception in 2007 until 2019, and currently serves on the Executive Committee of the AAP's Council on Children and Disasters. Dr. Needle was Chair of the HHS National Advisory Committee on Children and Disasters from 2017 to 2018, and is now co-lead for the Community and Medical Home Domain of the HRSA-funded Regional Pediatric Pandemic Network. He has worked closely with the CDC, Western States PEHSU, and numerous other local, state, and federal groups on the needs of children and the role of pediatricians in disaster preparedness, response and recovery. Dr. Needle received his M.D. degree from The Johns Hopkins University School of Medicine in Baltimore and completed pediatric internship and residency at New England Medical Center/Tufts University in Boston.

Aftin Ross, M.S.E., Ph.D., is a Senior Special Advisor for Emerging Initiatives at FDA's Center for Devices and Radiological Health (CDRH). In this role, she is responsible for leading, coordinating, and advising on emerging public health issues and initiatives within the Center including but not limited to medical device cybersecurity, respiratory protective devices, personal protective equipment (PPE), and incident response. Aftin earned a B.S. in mechanical engineering from the University of Maryland Baltimore County where she was a Meyerhoff Scholar. Aftin has had leadership roles in CDRH incident response to COVID-19, device-related infections, and natural disasters such as the 2017 Atlantic hurricanes. During COVID-19, she has led and participated on teams responsible for mitigating PPE shortages, writing and implementing respirator EUAs, and setting PPE policies. She completed her graduate work at the University of Michigan earning a master's and PhD in biomedical engineering. In 2016, she completed the National Preparedness Leadership Initiative, an executive education program in the Harvard School of Public Health and Kennedy School of Government and in 2019 she became a certified Six Sigma Green Belt.

Alison Savage, M.P.H., is a Biologist in the Indoor Environments Division (IED) in the Office of Radiation and Indoor Air (ORIA) at the US Environmental Protection Agency (EPA) and is the current team leader

of the Scientific Analysis Team. Since joining IED in 2018, she has worked on a wide variety of indoor air quality (IAQ) issues including reducing exposure to wildfire smoke in indoor environments, air cleaning and filtration, indoor exposure to particulate matter, and low-cost air sensors for IAQ, as well as IAQ issues related to emergency preparedness, response, and recovery for wildfires and floods. Ms. Savage is a member of the interagency Wildfire Guide team and contributed to the 2019 update of *Wildfire Smoke: A Guide for Public Health Officials*. Prior to joining EPA, she served as a Peace Corps volunteer in Peru. She holds an MPH in Global Environmental Health from the Rollins School of Public Health at Emory University and a BS in Biology from the University of Michigan.

Nicolas Smit is the Executive Director of the American Mask Manufacturer's Association. He has spent the pandemic helping people understand the importance of using better masks, has helped get better masks donated to people in need around the world, and has helped politicians around the world understand the importance of better masks including getting the government of Ontario and Canada to recommend elastomeric respirators as N95 alternatives. Mr. Smit is now working with politicians, government agencies, corporations and other non-profits in the U.S. to help solve key pandemic issues including trying to get free masks for everyone. He has been a major advocate for a layered approach to safety. In his spare time, Mr. Smit helps the World Health Network, MaskTogetherAmerica, Clean Air Crew and many other groups around pandemic issues and he is also the Vice Chair for the Greater Sudbury Watershed Alliance.

Jeffrey Stull, M.S., is president of International Personnel Protection, Inc., which provides expertise and research on the design, evaluation, selection and use of personnel protective clothing and equipment and related products to end users and manufacturers. He has conducted numerous studies for effectiveness and performance of protective clothing and equipment. Mr. Stull is the past chairman of the ASTM F23 Committee on Protective Clothing, a member of several NFPA technical committees on emergency responder protective clothing and equipment, and participant of the government's Interagency Board for Equipment Standardization and Interoperability. He has a Master of Science in Chemical Engineering from the Georgia Institute of Technology.

Moderators and Facilitator

Jonathan Samet, M.D., M.S., (*Committee Chair*), a pulmonary physician and epidemiologist, is Dean of the Colorado School of Public Health. Previously, he was the Distinguished Professor and Flora L. Thornton Chair for the Department of Preventive Medicine at the Keck School of Medicine at the University of Southern California. His research has focused on the health risks of inhaled pollutants in outdoor air and also indoor pollutants including secondhand smoke and radon. He has also investigated the occurrence and causes of cancer and respiratory diseases, emphasizing the risks of active and passive smoking. He has served on and chaired numerous committees of the National Research Council and National Academy of Medicine, including chairing the Board on Environmental Studies and Toxicology. For several decades, he has been involved in global health, focusing on tobacco control, air pollution, and chronic disease prevention. He has been chair of the Clean Air Scientific Advisory

Committee of the EPA and the FDA's Tobacco Products Scientific Advisory Committee. Dr. Samet has served as Editor and Author for Reports of the Surgeon General on Smoking and Health since 1984, receiving the Surgeon General's Medallion in 1990 and 2006 for these contributions. Dr. Samet received the 2004 Prince Mahidol Award for Global Health awarded by the King of Thailand, the Edward Livingston Trudeau Medal from the American Thoracic Society/American Lung Association, the Luther Terry Award for Distinguished Career from the American Cancer Society, and the Fries Prize for Health. He was elected to the National Academy of Medicine in 1997 and received the David Rall Medal in 2015.

Sarah Coefield, M.S., M.A., is an air quality specialist with the Missoula City-County Health Department. As a public health practitioner, she works to prepare the public for air pollution events through studies, communication, planning, and direct interventions. Ms. Coefield has lectured on the topic of wildfire smoke-ready communities at multiple conferences, workshops, and webinars in the United States and Canada, including a 2018 International Association of Wildland Fire conference, a 2018 Northwest Center for Public Health Practice Hot Topics in Practice webinar, the 2019 Health Effects Institute Annual Conference, a 2019 American Thoracic Society workshop, a 2019 Air & Waste Management Association conference, and a 2019 British Columbia Lung Association conference. Ms. Coefield has been part of the Air Quality Program at the Missoula Health Department since 2010, where she leads initiatives on smoke management, wildfire smoke response, and oxygenated fuels, and works on such projects as the PM10 Redesignation Request and the Carbon Monoxide Limited Maintenance Plan.

Stephanie Holm, M.D., M.P.H., Ph.D., is the co-director of the Western States Pediatric Environmental Health Specialty Unit and a public health medical officer at the Office of Environmental Health Hazard Assessment of the California Environmental Protection Agency. Dr. Holm received her M.D. in 2011 from the University of Pittsburgh. She is board certified in both pediatrics and occupational/environmental medicine (trained at Children's Hospital and Research Center Oakland and University of California, San Francisco, respectively). She also completed 1 year of pediatric pulmonary training at Oakland before leaving to further pursue her interests in pediatric research and pediatric environmental medicine. Dr. Holm was the principal investigator on the Tobacco in the Home Environment and Air Quality Undermining Asthma Study, a dual cohort study of asthmatic children with and without cigarette exposure, which measured particulate matter levels in children's home environments in order to correlate these with features and behaviors of the household and its occupants. As part of her work with the Region 9 Pediatric Environmental Health Specialty Unit (PEHSU), she has reviewed literature relevant to the health effects of wildfire smoke and potential public health responses, including literature on the use of masks and respirators by the general public. Also at PEHSU, Dr. Holm has co-authored multiple fact sheets and infographics mentioning masks and respirators in the setting of wildfire smoke, which are based on her published work in the peer-reviewed literature. Dr. Holm completed an M.P.H. and a Ph.D. in epidemiology at the University of California, Berkeley.

James S. Johnson, Ph.D., CIH, QEP, is a certified industrial hygienist and a qualified environmental professional who has operated JSJ and Associates, a small consulting firm specializing in occupational safety and health and hazardous material issues, since 1978. Many of the firm's projects have involved personal protective equipment (PPE) and firefighter respiratory protective equipment. Dr. Johnson

worked at the Lawrence Livermore National Laboratory (LLNL) from 1972 through 2006. From November 2000 to 2006 he served as the section leader of the Chemical and Biological Safety Section of the Safety Programs Division. Throughout his career at LLNL, Dr. Johnson was involved with respiratory protection and PPE as a respiratory program administrator, research scientist, and division and section manager. He is a fellow of the American Industrial Hygiene Association, a past member of the Technical Correlating Committee on Fire and Emergency Services Protective Clothing and Equipment of the National Fire Protection Association (NFPA), a past member of the NFPA Respiratory Protection Equipment Committee, a past chair of the International Society for Respiratory Protection (ISRP), a past chair of the ISRP Americas Section, and a past editor of ISRP Journal. Currently, Dr. Johnson is the chair of the ASTM Subcommittee F23.65 on respiratory protection. The recent relocation of the ANSI Z88 Secretariat from the American Society of Safety Professionals (ASSP) to ASTM has expanded the visibility and participation in respiratory standards development. New work items initiated to support the COVID-19 pandemic will address facial covering performance, emergency responder elastomeric respirator performance, and elastomeric respirator decontamination test methods. Dr. Johnson also continues to provide his expertise on respiratory program improvements, Hanford Tank Farm, use of toxic materials, beryllium, as well as providing expert witness consultation on respiratory protection. He has co-authored a number of articles and authored several chapters on respiratory protection in the past several years.

Daniel K. Shipp was president of the International Safety Equipment Association (ISEA), the association for manufacturers and distributors of personal protective equipment and clothing, from 1993 until his retirement in 2017. As the chief staff officer of ISEA, Shipp represented US safety equipment manufacturers before Congress and US regulatory agencies, as well as global industry and government forums. He has served as a member of the National Academies Committee on Personal Protective Equipment (COPPE), the Board of the Americas Section of the International Society for Respiratory Protection, and the Board of Directors of the National Safety Council, as well as the NIOSH NPPTL PPE Conformity Assessment Working Group. He was a member of the planning committee for the National Academies August 2020 workshop on current issues in assessment of respiratory protective devices.

Laura Runnels, M.P.H., has over fifteen years of experience working with local, state, and federal clients. As a convening specialist, she is known for designing and facilitating highly collaborative, efficient, and productive meetings. As a strategist, she guides individuals, organizations, and coalitions through technical and adaptive challenges. Ms. Runnels holds a master's degree from Saint Louis University and completed her undergraduate studies at Yale University.