

2014 Annual Conference

Mid-Atlantic Center for Children's Health and the Environment

Creating Healthy Buildings: Greening the Medical Office & Creating a Healthy School Building



Thank you for attending the Mid-Atlantic Center for Children's Health and the Environment's 12th Annual Conference: *Creating Healthy Buildings!* This year's conference will feature two breakout tracks: Greening the Medical Office & Creating a Healthy School Building.



The Mid-Atlantic Center for Children's Health and the Environment is one of 10 Pediatric Environmental Health Specialty Units (PEHSUs). We serve Delaware, Pennsylvania, Maryland, Virginia, West Virginia and the District of Columbia by providing academic, science-based advice on children's environmental health issues. Part of our mission is to educate the health professional community on children's environmental health and our annual conference is central to that mission.



Learn more about our center at:

www.childrensnational.org/macche

This conference is supported by the Association of Occupational and Environmental Clinics (AOEC) and funded (in part) by the cooperative agreement award number 1U61TS000118-05 from the Agency for Toxic Substances and Disease Registry (ATSDR).

Acknowledgement: The U.S. Environmental Protection Agency (EPA) supports the PEHSU by providing funds to ATSDR under Inter-Agency Agreement number DW-75-92301301-0. Neither EPA nor ATSDR endorse the purchase of any commercial products or services mentioned in PEHSU publications.

Funded in part by the US Department of Education through the Education Facilities Clearinghouse and the George Washington University.

SPEAKERS: PLENARY SESSIONS

Green Cleaning, Sanitizing, and Disinfecting

VICTORIA LEONARD, RN, MSN, PHD, has worked as a Child Care Health Consultant for the past seven years. Dr. Leonard was a nurse at the California Childcare Health Program, UCSF School of Nursing until 2010. At CCHP, Dr. Leonard provided advice on the statewide toll-free Healthline; developed, wrote and disseminated educational materials on health, safety and child development issues relevant to the early child care and education environment; trained nurses and child care providers in child care health and safety, including writing a monthly list serve for Child Care Health Consultants in the State of California; Was principle author of the California Department of Education, Child Development Division's Preschool Learning Foundations in Health and Physical Development (Volume 2, released in 2011). While at CCHP, Dr. Leonard developed an interest in environmental health in early care and education and was the principle author of Integrated Pest Management: A Toolkit for Early Care and Education Programs, developed through a grant from the California Department of Pesticide Regulation. Dr. Leonard worked with Dr. Asa Bradman on a Department of Pesticide Regulation-funded survey of pesticide use in California Child Care Centers, consulting on recruitment of centers for the study and the writing of the final report. Dr. Leonard then was the PI for the past two years for a second Department of Pesticide Regulation-funded Toolkit: Green Cleaning, Sanitizing, and Disinfecting: A Toolkit for Early Care and Education. Dr. Leonard presented to audiences of child care providers, directors, EPA staff and administrators on both IPM and green cleaning, sanitizing, and disinfecting. Dr. Leonard is now working part-time for the UCSF PEHSU, where she will continue the work on cleaning, sanitizing and disinfecting with additional materials on cleaning as a strategy to reduce exposure to PCBs in schools and child care settings. Dr. Leonard's work will be supported by Region 9 EPA.

The Role of Pest Management in Children's Environmental Health

LYN GARLING, MS has worked in various capacities at the USDA/Penn State University's Integrated Pest Management Program (PA IPM). Ms. Garling has been involved in research, outreach, teaching, program development, strategic planning and obtaining and managing funding for our multiple activities. PA IPM research, training and outreach focus areas include agricultural and community aspects of IPM.

Ms. Garling was instrumental in the PA IPM Program's formation of the Philadelphia School and Community IPM Partnership in 2003 and the Latino Community IPM Partnership in 2011. In these partnerships, PA IPM works with city agencies, non-profits, service organizations, asthma groups, community organizations, housing authorities, health professionals, childcare centers and schools. Ms. Garling has lead our team in the development of IPM educational materials and trainings for people in schools and childcare facilities, low-income multi-family housing, underserved audiences especially Latino communities, pest control companies, and job training for ex-offenders.

Ms. Garling's reason for doing this work is to reduce risks due to pests and pesticides and provide user-friendly, science-based information on safer, more effective pest control in segments of society that have little to no access to such information. Ms. Garling believes in the empowering capabilities of knowledge to allow people to positively impact social, economic, health, ethnic and class disparities.

Sustainability and Health: Understanding the Connection

CECILIA DeLOACH LYNN, MBA, brings nearly 17 years' experience in developing customized sustainability programs for healthcare institutions, and has expertise in providing professional education to healthcare audiences on sustainability topics. She has developed numerous tools and guidance on topics such as waste, chemicals, energy, water, and purchasing—to today's more current focus on building an infrastructure, leadership & measurement framework for sustainability. Cecilia was responsible for launching Practice Greenhealth's Greening the OR Initiative, and currently leads Practice Greenhealth's ongoing efforts to refine the Environmental Excellence Awards program and define a set of sustainability metrics that accurately reflect environmental performance in healthcare. She also manages and supports a portfolio of 300+ hospitals as part of the Facility Engagement team. She has a BS in Environmental Science, an MBA with a focus in healthcare administration and corporate social responsibility & is a LEED Accredited Professional.

My Green Doctor: Using Our Offices to Improve Environmental Health

TODD SACK, MD, FACP, is Co-Author and Editor of www.mygreendoctor.org, a free online medical practice management tool that shows physicians and their office staff how to save money by adopting wise environmental practices. More than 140 Action Steps and Educational Steps are explained for the office to choose from, on topics that include energy and water conservation, chemicals in the workplace and home, recycling, renewable energy, transportation choices, and healthy foods. There is an emphasis on teaching these ideas to patients, offering to offices a way to have a positive influence on community environmental health. My Green Doctor offers "Green Doctor Office" status and a certificate to qualifying offices. This service is managed by physicians of the Florida Medical Association and of the World Medical Association. Among Dr. Sack's environmental activities, he is past Chairman of the FMA Environment & Health Section, past Chair of the Jacksonville Environmental Protection Board, past Member of the Florida Energy Commission, past Chair of the Florida Legislature's Climate Change Advisory Group, he is a member of the FMA Council for Healthy Floridians and is a member of the JEA Clean Power Advisory Group. He has written and talked widely on the topic of the impact of the built environment on health outcomes, and the steps that medical professionals can take.

Green Interiors

JEAN HANSEN, FIIDA, LEED® Fellow, CID, AAHID, EDAC, is the Sustainable Interiors Manager for HDR Architecture's Sustainable Design Solutions team and firm globally. She is based in San Francisco, California with 30+ years of experience in interior design, departmental planning and sustainable design. Ms. Hansen is responsible for advancing HDR's sustainability initiatives in project and research work for healthcare, commercial and institutional environments.

She served on Kaiser Permanente's High Performance Building Committee to develop national sustainable design standards, led a team in the development of a USGBC Volume Build Pilot Program for Wells Fargo Bank in 39 states and was a green consultant with the University of New Mexico's new Children's Hospital and Critical Care Pavilion. She led sustainable research in the textile industry for Kaiser Permanente, was a core committee member in the development of the USGBC's LEED Healthcare rating system and more recently is a committee member in the development of the Health Product Declaration (HPD) and current board member of the HPD Collaborative. She is past president of IIDA (International Interior Design Association) for the Northern California Chapter, IIDA Fellow and past board member and secretary of the USGBC Northern California Chapter.

Jean is working on or has worked on over twenty LEED projects, developed sustainable guidelines for healthcare organizations and manufacturers, provided sustainable training for a variety of clients, including the U.S. Army and in-house staff; she has inspired many to pursue LEED Accreditation, and integrated sustainability into multi-million dollar projects. Her clients have ranged from Federal agencies such as the U.S. Army, the Department of Veteran Affairs, Stanford Linear Accelerator Center and NOAA, to universities such as the University of California system, Stanford, numerous healthcare organizations, including Kaiser Permanente and furniture manufacturers.

Green Interiors

BARBARA DELLINGER, MA, FIIDA, AAHID, EDAC, CID, NCIDQ, has been a practicing interior designer for nearly 40 years, specializing in healthcare design and evidence-based design for 25 years. During that time, Ms. Dellinger has woven sustainable design and research results from evidence based design regarding patient safety, infection control and patient satisfaction into most of my projects. In some cases, these items are formally tracked and in others they are woven in as best practices. Evidence-based design and sustainable design are the key drivers in all of Ms. Dellinger's work.

Perspectives from a Community Based Clinic

PHYLLIS B. CATER, MSP, currently serves as the President Chief Executive Officer of Spectrum Health Services, Inc., and has served in this capacity for more than ten years. Ms. Cater has thirty-one years in community health and her vast experience and accomplishments include entrepreneurial management, marketing & communications, funding and collaborative partnerships (in which she raised more than \$6 million dollars in grant and contractual funds), board development, and program development. She previously served as the Chief Executive Officer at the Whittier Street Community Health Center, Boston, MA.

Ms. Cater has an undergraduate degree in Sociology/Psychology from the University of Massachusetts, Boston, MA, and a Master's Degree in Social Planning, Boston College Graduate School of Social Work, Boston, MA and is a graduate of the Johnson & Johnson/UCLA Health Care Executive Program, Anderson School of Management, UCLA.

During her tenure as the President/Chief Executive Officer of Spectrum Health Services, Ms. Cater has successfully led the construction of a \$15 million, 36,000 sq. ft. state-of-the-art "Silver LEED" certified health center in West Philadelphia. This center, over the next three years, will provide primary health and dental care to over 30,000 individuals, many of whom will be served regardless of their ability to pay.

Ms. Cater serves on various boards in her professional associations and in the community. She was chosen Woman of Year for 2010 by the National Association of Professional Women and was as a 2013 recipient of the Minority Business Leader Award by the Philadelphia Business Journal.

Perspectives from a Community Based Clinic

MICHAEL W. PAVELSKY, AIA, LEED AP BD+C, is an Associate and Sustainability Director at The Sheward Partnership, LLC with responsibility for directing all sustainable design and LEED efforts within the firm having over 500 LEED projects certified or currently under management. Mr. Pavelsky leads a team of sustainability professionals working on projects throughout the United States, Canada and abroad. He is a registered architect and currently serves as a Director on the Delaware Valley Green Building Council Board, one of the largest and most active Green Building Council chapters in the United States. Mr. Pavelsky is a frequent speaker on sustainability topics throughout the country.

School Environmental Health

MAIDA GALVEZ, MD, MPH, was one of the first trainees in Environmental Pediatrics in the US, through the Academic Pediatrics Association funded Environmental Pediatrics Fellowship at Mount Sinai. She has been a co-investigator in two research projects involving environmental exposures and children's growth and development. This research has included her own unique research interests in macro and micro environmental factors, focusing on neighborhood factors in the urban built environment and environmental endocrine disruptor exposures, potential modifiable factors which show promise for future public health interventions. Dr. Galvez has been co-PI and designated New Investigator of the NIEHS/EPA-funded Children's Environmental Health and Disease Prevention Research Center community based project, Growing Up Healthy in East Harlem (2003-2008). She is co-investigator, responsible for pubertal staging methodology, in the national consortium of Breast Cancer Environment Research Centers and lead pediatrician in the CDC funded IMPACT Diabetes project. In addition to her research efforts, Dr. Galvez is Director of the EPA Federal Region 2 Pediatric Environmental Health Specialty Unit. Dr. Galvez is currently a member of EPA's Scientific Advisory Board, the NCEH/ATSDR funded National Environmental Health Partnership Council and is District 2 Chapter 3 President of the American Academy of Pediatrics. She previously served on the EPA's federal advisory board for the Office of Children's Health Protection.

LAUREN ZAJAC, MD, MPH is a Pediatric Environmental Health Fellow at Icahn School of Medicine at Mount Sinai in New York City. As a fellow, Dr. Zajac consults on a wide variety of pediatric environmental health cases including school-related environmental health concerns. She has also worked with local organizations to improve school environmental health in the New York City area. Prior to her current position, Dr. Zajac completed a residency training program in Social Pediatrics at Montefiore Medical Center in Bronx, NY. She graduated with distinction from Mount Sinai School of Medicine in 2010 as a member of the Alpha Omega Alpha Honor Society. She is currently on the national board of directors for Physicians for Social Responsibility (PSR) and a Co-Chair for the American Academy of Pediatrics NY Chapter 3 Committee on Environmental Health.

The Impact of School Buildings on Student Health and Performance

ANISA BALDWIN METZGER, M.Arch., is School District Sustainability Manager for the Center for Green Schools at the U.S. Green Building Council. With a background in architecture, she began her work with USGBC as a staff member placed for two years at the Recovery School District in New Orleans after Hurricanes Katrina and Rita. At the Center, Anisa oversees the Green Schools Fellowship program and provides sustainability resources, tools and research to staff at school districts across the country.

School Environmental Assessments

JERRY ROSEMAN, M.Sc.I.H., has worked as a public health, environmental science and OS&H professional for 32 years. He's the Acting Director of Health & Safety for the Philadelphia Federation of Teachers and works on behalf of the American Federation of Teachers as well as other labor unions. He has conducted hundreds of IEQ-related worksite inspections & has collaborated with NIOSH and EPA and has taught courses for the Hahnemann University School of Public Health and other universities. Jerry Roseman also coauthored the paper *Morbidity Among Municipal Waste Incinerator Workers*. E. Bresnitz, M.D., J. Roseman, & Ed Gracely, in the *American Journal of Industrial Medicine*. 22:363-378 (1992). He was a presenter at the 2013 APHA conference: titled "Evaluation of dampness, moisture & mold evaluations & related respiratory symptoms & disease in public school occupants – a collaborative study."

Greening Our Nation's K-12 Schools

BRYNA DUNN, BA, MCP, is Vice President, serving as the Director of Sustainability Planning & Design, for Moseley Architects. As such, she works closely with Moseley Architects' architectural staff, engineering staff, and clients from the early planning and design phases through building construction to ensure that the most environmentally responsible design solutions are considered and implemented where feasible. She has 58 LEED certified projects in her portfolio, and is working on 50 more. Bryna studied Biology and Environmental Science at the University of Virginia, and earned her Master's Degree in City Planning (specializing in Environmental Issues) at Georgia Tech. She recently received a professional certificate from Harvard University for completing their Executive Education for Sustainability Leadership course. She is a member of the American Institute of Certified Planners, an Associate Member of the American Institute of Architects, and was named a LEED Fellow by the Green Building Certification Institute. She also holds a "Green Classroom Professional" credential from the US Green Building Council. Relevant presentations and publications include: Green Trends in K12 Education (Virginia Association of School Business Officials), High Performance Schools: Asking the Right Questions and Establishing the Right Goals (SE Regional Council of Educational Facility Planners), and Greening Our Schools: Key Steps to Win-Win Solutions (Greenbuild).