

## News at a Glance

November 7, 2017

The 2017 CEG Pilot Research Symposium took place on October 27 and featured a keynote address by CEG member [Gurjit Khurana-Hershey, MD, PhD](#), Director of the Division of Asthma Research at Cincinnati Children's Hospital Medical Center and PI of the NIH-funded Asthma and Allergic Diseases Cooperative Research Center (AACRC). Dr. Hershey updated audience members on her most recent work with regard to Epithelial Genes in Allergic Inflammation.



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<http://med.uc.edu/eh/centers/ceg>

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Other topics explored at the Symposium included

- Reprogramming of RNAs and lncRNA in prostate cancer cells by bisphenol A and its analogues (**Pheruza Tarapore, PhD**);
- A Targeted Prevention Strategy for UV-Induced Melanoma in High Risk Individuals (**Zalfa Abdel-Malek, PhD**);
- The role of PAH exposure in AhR-mediated host immune defense (**Harish Chandra, PhD**);
- Fiber count and mutational landscape of laryngeal squamous cell carcinoma from patients with a history of occupational asbestos exposure (**Scott Langevin, PhD, MHA**);
- Engaging Rural Ohio Residents in Unconventional Natural Gas Extraction Waste Injection Research (**Erin Haynes, MS, DrPH**);
- PFAS Exposures, Genomics and Metabolic Syndrome in an Island Population (**Aimin Chen, MD, PhD**);
- Interactions between genetic ancestry and environmental risk factors in asthma (**Tesfaye Mersha, PhD**).

We are grateful to each of our outstanding presenters!



Dr. Erin Haynes (at right) poses in this recent photo with the late Roxanne Burns, PhD, Kent State University East Liverpool campus; Amy Sigley, RN; and Delores Silverthorn, RN. All were collaborators in a study of children exposed to manganese in rural southeastern Ohio. See story in [UC Health News](#). Haynes et al., *Impact of Air Manganese on Child Neurodevelopment in East Liverpool, Ohio*. *NeuroToxicology* 2017 Sep 6. PMID: 28888663.

The study was featured in the October 29, 2017, [Pittsburgh Post-Gazette](#) and in the November newsletter of the NIEHS [Partnerships in Environmental Public Health](#) (PEPH).

**NIEHS Extramural Paper of the Month:** Haynes EN, Sucharew H, Hilbert TJ, Kuhnell P, Spencer A, Newman NC, Burns R, Wright R, Parsons PJ, Dietrich KN. 2017 Sep. *Impact of air manganese on child neurodevelopment in East Liverpool, Ohio*. *Neurotoxicology*; 2017 Sep 6. PMID: 28888663

## Register Now

Thursday November 9

Mentee-Mentor:  
A privileged Partnership.

Keeping it on Track

Room G-17 Kettering Research Complex  
9:00 AM - 3:30 PM

Facilitated by Career Development Program leaders Grace LeMasters, PhD and Daniel Woo, MS, MD. Discussion with audience and with mentors/mentees Jocelyn Biagini-Myers, PhD; Brandon Foreman, MD; Erin Haynes, MS, DrPH; Dawn Kleindorfer, MD; Patrick Ryan, PhD  
<https://www.surveymonkey.com/r/HLTKK36>

## New Publications

- Dawn A, Chandra H, Ade-Browne C, Yadav J, Kumari H. Multifaceted Supramolecular Interactions from C-methylresorcin[4]arene Lead to an Enhancement in In Vitro Antibacterial Activity of Gatifloxacin. *Chemistry*. 2017 Oct 12. doi: 10.1002/chem.201704291. PMID: 29027275.
- Vuong AM, Yolton K, Poston KL, Xie C, Webster GM, Sjödin A, Braun JM, Dietrich KN, Lanphear BP, Chen A. Childhood polybrominated diphenyl ether (PBDE) exposure and executive function in children in the HOME Study. *Int J Hyg Environ Health*. 2017 Oct 16. pii: S1438-4639(17)30460-1. doi: 10.1016/j.ijheh.2017.10.006. [Epub ahead of print] PMID: 29055520
- Zhang X, Biagini Myers JM, Yadagiri VK, Ulm A, Chen X, Weirauch MT, Khurana Hershey GK, Ji H. Nasal DNA methylation differentiates corticosteroid treatment response in pediatric asthma: A pilot study. *PLoS One*. 2017 Oct 13;12(10):e0186150. doi: 10.1371/journal.pone.0186150. eCollection 2017. PubMed PMID: 29028809; PubMed Central PMCID: PMC5640236.
- Johansson E, Boivin GP, Yadav JS. Early immuno-pathological events in acute model of mycobacterial hypersensitivity pneumonitis in mice. *Immunotoxicol*. 2017 Dec;14(1):77-88. doi: 10.1080/1547691X.2016.1273284. Epub 2017 Jan 17. PMID: 28094581