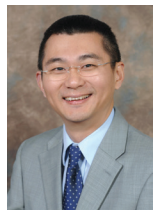


## News at a Glance

On Monday March 19, the Center for Environmental Genetics and our Community Engagement Core welcomed to UC [Aubrey K. Miller, MD, MPH](#); Senior Medical Advisor, National Institute of Environmental Health Sciences (NIEHS) and NIEHS liaison to the U.S. Department of Health and Human Services (HHS). Dr. Miller led a special seminar and lively round-table discussion on **Disaster Response Research (DR2)**.

Under the leadership of Erin Haynes, MS, DrPH our Community Engagement Core has been working with its counterparts at the University of Washington and University of Iowa on a resource guide for Disaster Response Research (DR2). Listen to Dr. Miller's recent presentation at the University of Cincinnati [here](#).



CEG Next Generation Biomedical Investigator and Assistant Professor of Bioinformatics, **Liang Niu, PhD**, has developed new methods to correct dye

bias in Illumina methylation array data. Dr. Niu provides bioinformatics support to multiple CEG members and has contributed to widely published research, including articles in [Epigenetics](#), [Head & Neck](#), [Scientific Reports](#), [Cell Reports](#), [BMC Genomics](#), [Bioinformatics](#), *et al.*

## Welcome New CEG Members



**Claire Chougnat, PhD, PharmD**  
Professor of Pediatrics | UC Division of Immunobiology | Cincinnati Children's Hospital Medical Center. Principal Investigator, "Prenatal Inflammatory Exposures and Neonatal Immune Development" (NIEHS U01 ES029234)



**Jurate Virkutyte, PhD**  
Assistant Professor | UC Department of Environmental Health, Division of Industrial Hygiene. Interests include direct measurement of bioaerosols, physical and chemical surface analyses.

March 30, 2017



Sopirala MM, Syed A, **Jandarov R**, Lewis M. Impact of a change in surveillance definition on performance assessment of a catheter-associated urinary tract infection prevention program at a tertiary care medical center. *Am J Infect Control*. 2018 Mar 16. pii: S0196-6553(18)30064-6. PubMed [PMID: 29551201](#).

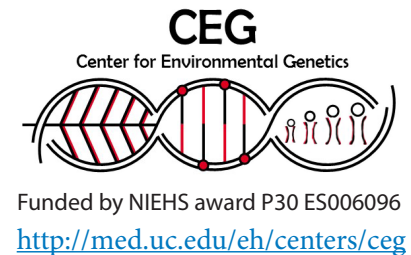
Brokamp C, **Jandarov R**, Hossain M, **Ryan P**. Predicting Daily Urban Fine Particulate Matter Concentrations Using a Random Forest Model. *Environ Sci Technol*. 2018 Mar 14. PubMed [PMID: 29537833](#).

**Roman Jandarov, PhD**, is a 2015-2016 CEG Next Generation Biomedical Investigator. **Patrick Ryan, PhD**, is an Associate Professor of Environmental Health and CEG member. Dr. Ryan recently received a half-million dollar R33 award from the National Institute of Environmental Health Sciences for the study, **Assessing Personal Exposure to Ultrafine PM Number and Respiratory Health** (NIEHS 5 R33 ES024713-04 (formerly R21 ES024713-02), \$574,972 total award, 03/01/18).

**VonHandorf A**, Sánchez-Martín FJ, Biesiada J, Zhang H, **Zhang X**, **Medvedovic M**, **Puga A**. Chromium disrupts chromatin organization and CTCF access to its cognate sites in promoters of differentially expressed genes. *Epigenetics*. 2018 Mar 21:1-32. doi: 10.1080/15592294.2018.1454243. [PMID: 29561703](#). Lead author **Andrew VonHandorf, PhD** was a 2017 New Investigator Scholar, funded for the project "Effects of exposure to hexavalent chromium\ Cr(VI) exposure on CTCF regulated transcription and the Cohesin complex: Role in carcinogenesis" (Mentor: Alvaro Puga, PhD).



**Leung YK**, Ouyang B, **Niu L**, **Xie C**, Ying J, **Medvedovic M**, **Chen A**, Weihe P, Valvi D, Grandjean P, **Ho SM**. Identification of sex-specific DNA methylation changes driven by specific chemicals in cord blood in a Faroese birth cohort. *Epigenetics*. 2018 Mar 21:1-32. doi: 10.1080/15592294.2018.1445901. [PMID: 29560787](#).



Funded by NIEHS award P30 ES006096  
<http://med.uc.edu/eh/centers/ceg>



## Recent Publications



**Jane J. Yu, PhD**  
Associate Professor | UC Department of Internal Medicine | Division of Pulmonary, Critical Care and Sleep Medicine. Principal investigator, "Targeting prostaglandin biosynthesis and action in lymphangiomyomatosis" (NHBLI R01 HL138481)



**Melinda-Butsch Kovacic, PhD, MPH**  
Associate Professor | UC Departments of Pediatrics & Environmental Health | CCHMC Divisions of Asthma Research; Biostatistics & Epidemiology | Associate Dean of Research, UC College of Allied Health Sciences.