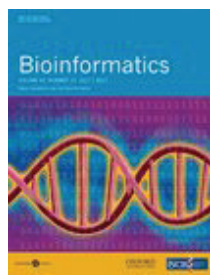


The Center for Environmental Genetics was well represented during the 32nd Annual Conference of the [International Society for Environmental Epidemiology \(ISEE\)](#), August 24–27, *Advancing Environmental Health in a Changing World*. Work by CEG members and mentees presented during the 3-day online conference included

Pinney SM, Fassler CS, Windham GC, Herrick RL, Xie C, Kushi LH, Biro FM. Exposure to perfluorooctanoic acid and effects on reproductive hormones and pubertal onset in a longitudinal study of young girls. Scientific program presentation (oral session 35; 2020 Aug 27)

Fassler C, Biro FM, Xie C, Pinney SM. BDE exposure and the association with testosterone, estrone and estradiol around the time of thelarche. Scientific program presentation (oral session 35, 2020 Aug 27). *List continued at right* →

Recent Publications



Xu X, **Xie C**, Taylor J, **Niu L**. ipDMR: Identification of differentially methylated regions with interval P values. *Bioinformatics*. 2020 Aug 17:btaa732. doi: 10.1093/bioinformatics/btaa732. [PMID: 32805005](#).



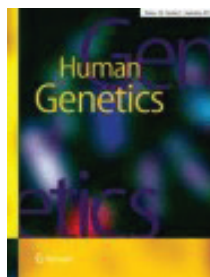
Ren Y, Sivaganesan S, Clark NA, Zhang L, **Biesiada J**, Niu W, Plas DR, **Medvedovic M**. Predicting mechanism of action of cellular perturbations with pathway activity signatures. *Bioinformatics*. 2020 Jul 11:btaa590. doi: 10.1093/bioinformatics/btaa590. [PMID: 32653926](#).



Guo M, **Yu JJ**, Perl AK, Wikenheiser-Brokamp KA, Riccetti M, Zhang EY, Sudha P, Adam M, Potter A, **Kopras EJ**, Giannikou K, Potter SS, Sherman S, Hammes SR, Kwiatkowski DJ, Whitsett JA, **McCormack FX**, Xu Y. Single cell transcriptomic analysis identifies a unique pulmonary lymphangioleiomyomatosis cell. *Am J Respir Crit Care Med*. 2020 Jun 30. doi: 10.1164/rccm.201912-2445OC. [PMCID: 32603599](#).

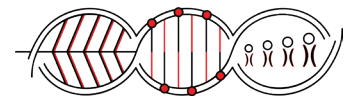


Sharma M, Zhang S, **Niu L**, Lewinsohn DM, **Zhang X, Huang S**. Mucosal-associated invariant T cells develop an innate-like transcriptomic program in anti-mycobacterial responses. *Front Immunol*. 2020 Jun 9;11:1136. [PMID: 32582206](#); [PMCID: PMC7295940](#).



Carlson JC, Weeks DE, Hawley NL, Sun G, Cheng H, Naseri T, Reupena MS, Tuitele J, **Deka R**, McGarvey ST, Minster RL. Genome-wide association studies in Samoans give insight into the genetic architecture of fasting serum lipid levels. *J Hum Genet*. 2020 Aug 5. doi: 10.1038/s10038-020-0816-9. [PMID: 32759990](#).

Thompson B, Davidson EA, Liu W, **Nebert DW**, Bruford EA, Zhao H, Dermitzakis ET, Thompson DC, Vasiliou V. Overview of PAX gene family: Analysis of human tissue-specific variant expression and involvement in human disease. *Hum Genet*. 2020 Jul 29. Review. doi: 10.1007/s00439-020-02212-9. [PMID: 32728807](#).



Giannini CM, Huang B, Schwartz RC, **Fassler CLS, Biro FM, Chandler W, Pinney SM.** Association between sex hormones, pubertal milestones and benzophenone-3 (BP-3) exposure assessed by urinary biomarker or questionnaire (e-poster p-0270).

Scientific program, oral session 24, August 26: Evolution of Omics': From Epigenomics to the Metabolome. Session co-chaired by CEG member and Integrative Health Sciences Facilities Core (IHSFC) co-leader **Kelly Brunst, PhD**. Dr. Brunst and her research team also had two e-posters accepted at ISEE: Genetic ancestry modifies the relationship between fine particulate matter and placental mitochondrial mutation load (poster p-0935) and Ultrafine particles, psychosocial stress, and sleep: New epidemiologic links? (poster p-0937).

Connie Oatts, a Master of Public Health student in the UC Department of Environmental and Public Health Sciences, is devoting her student practicum hours to helping our CEG **Community Engagement Core** with testing residential tap water for high lead (Pb) levels. We welcome Connie and her participation in this important citizen-science project. For more about CEG citizen science and environmental education, visit our CEG web pages [here](#).