

News at a Glance

September 13, 2019

The CEG **Integrative Technologies Support (ITS) Core** offers access to state-of-the-art technologies that would **not** otherwise be cost-effective for environmental health science (EHS) research. These funds are available to CEG members at all levels, including pilot project awardees and individuals receiving career development support. In the spirit of not duplicating services, the Core offers **subsidies** for CEG investigators to use technologies/resources already available at UC and CCHMC; *i.e.*,

Tier I subsidies\matching funds up to \$5,000

- Genomics, Epigenomics and Sequencing Core (Tier I)
- Flow Cytometry (Tier I)
- Confocal Microscopy (Tier I)

Tier II subsidies\matching funds up to \$2,000

- Inhalation Core (Tier II)
- Transgenic Animal and Genome Editing Core (Tier II) (CCHMC)
- ProteomicsCore (Tier II) (UC)
- NMR-based Metabolomics Core (Tier II)
- Animal Behavioral Core (Tier II)
- Fernald Community Cohort Resources (FCC) (Tier II)
- Pluripotent Stem Cell Facility (Tier II) (CCHMC)
- Metallomics Core (Tier II)

Recipients of CEG Pilot awards can use their current pilot awards as matching funds for qualified services. An ITS subsidy may match **up to half** of the funds needed for core usage, not to exceed \$5,000 per biannual request for Tier 1 services (GESC etc.) and/or up to \$2,000 (max) per biannual request for Tier II core services (proteomics, metallomics, FCC, etc.). For example, if a currently funded study calls for miRNA profiling using the Genomics, Epigenomics and Sequencing Core (Tier 1) and has budgeted a total of \$11,220 for X number of samples, then the total amount of ITS matching funds may go up to (but cannot exceed) \$5,000. To download an application form, click [here](#). Completed applications and required written cost quote from the core manager\service provider may be submitted in c/o Teresa Donovan, MPH ([email](#)).

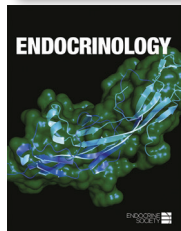
Recently Published



Percy Z, La Guardia MJ, Xu Y, Hale RC, **Dietrich KN**, Lanphear BP, **Yolton K**, **Vuong AM**, **Cecil KM**, Braun JM, **Xie C**, **Chen A**. Concentrations and loadings of organophosphate and replacement brominated flame retardants in house dust from the home study during the PBDE phase-out. *Chemosphere*. 2019 Sep 3;239:124701. doi: 10.1016/j.chemosphere.2019.124701. [PMID: 31499316](#).



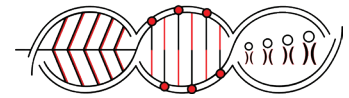
Chowdhury D, Alrefai H, Landero Figueroa JA, Candor K, Porollo A, Fecher R, Divanovic S, Deepe GS Jr, **Subramanian Vignesh K**. Metallothionein 3 controls the phenotype and metabolic programming of alternatively activated macrophages. *Cell Rep*. 2019 Jun 25;27(13):3873-3886.e7. [PMID: 31242420](#); [PMCID: PMC6664296](#). Dr. Kavitha Subramanian Vignesh was a 2015 CEG New Investigator Scholar (NIS awardee).



Majumdar S, Rinaldi JC, Malhotra NR, Xie L, Hu DP, Gauntner TD, Grewal HS, Hu WY, Kim SH, Katzenellenbogen JA, **Kasper S**, Prins GS. Differential actions of estrogen receptor α and β via non-genomic signaling in human prostate stem and progenitor cells. *Endocrinology*. 2019 Aug 21. pii: en.2019-00177. doi: 10.1210/en.2019-00177. [PMID: 31433456](#).

CEG

Center for Environmental Genetics



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

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CEG Associate Director **Alvaro Puga, Ph.D., Fellow AAAS, ATS**, will serve as a Session Chair and present the



talk "Chromatin Exposure Disrupts Chromatin Architecture" at the **XXIII International Charles Heidelberger Symposium on Cancer Research**, to be held September 23–28, 2019, in Stintino, Sardinia, Italy. Dr. Puga and his team have published widely on this field of inquiry, including in [Epigenetics](#) and in the [Journal of Experimental Biology and Medicine](#).

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