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Since its inception in 2007, the CEG Career Development Program has supported close to eighty early career investigators with research support, professional development opportunities, and mentoring. During the past decade, CEG support for 23 Next Generation Biomedical Investigators and 53 new Investigator Scholars has yielded a return on investment of more than **30 to 1** as these promising young men and women have earned more than \$10,000,000 in subsequent extramural funding, ranging from R21 and R01 awards to private foundation funding.



Most recently, CEG career awardee **Scott Langevin, PhD, MHA**, has been awarded a 2-year, \$239,000 grant from the National Institute of Dental and Cranio-facial Research (NIDCR) for his study of "Exosomal miRNA as salivary biomarkers for HPV+ head and neck cancer carcinoma." R21 DE027227-01; 09/01/17 – 08/31/19.

This month we salute **Changchun Xie, PhD** (at right in photo below), Associate Professor of Biostatistics, UC Department of Environmental Health. Last fall, Dr. Xie and fellow CEG member Daniel Woo, MS, MD, were among five distinguished faculty members who received **Research Service Awards** from the UC College of Medicine. More recently Dr. Xie received a \$1,066,072 award from the National Institute of Diabetes and Digestive and Kidney Diseases for the ongoing work of the Teen-LABS Biostatistical Research Center. Dr. Xie is a co-principal investigator on the grant with Todd Jenkins, PhD, MPH, a research assistant professor in the UC Departments of Surgery and Pediatrics and Cincinnati Children's Hospital Medical Center. Teen-LABS is evaluating the long-term benefits and adverse outcomes associated with weight loss surgery performed in adolescents, with the Biostatistics Research Center leading the data collection and management of statistical analysis operations.

Pictured at right with Dr. Changchun Xie is **Daniel Woo, MD, MS**, Associate Director of Clinical\Translational Research for the CEG and co-leader of our Career Development Program. Together with Grace Lemasters, PhD, Dr. Woo has led the Career Development Program in its successful drive to mentor promising young investigators and catalyze their effective study of gene-environment interactions. Himself an early recipient of CEG mentoring and support, Dr. Woo is currently Professor and Vice Chair of Clinical Research in the UC College of Medicine Department of Neurology. Among other major funding, he currently has a 1.2 million dollar ICH Recovery Grant from the National Institute of Neurological Disorders and Stroke to apply tractography imaging in the study of intracerebral hemorrhagic stroke. (Woo D, Rosand J et al., NINDS R01 NS100417)



The College of Medicine celebrated its research successes and congratulated key contributors during the Research Recognition Program Sept. 22. Award winners from left to right: Gregory Fermann, MD, Clinical Trialist of the Year; Susan Waltz, PhD, Research Service Award; Atsuo Sasaki, PhD, Rising Star Award; Daniel Woo, PhD; and Changchun Xie, PhD, both also receiving Research Service Awards.

New Publications

CEG clinical member and COEC co-director **Nick Newman, DO, MS, FAAP**, is featured in the July newsletter of the NIEHS Partnerships for Environmental Public Health program. Read more [here](#).

The CEG is pleased to host **Ken Korach, PhD**, Chief of the **NIEHS Reproductive & Developmental Biology Laboratory**, as special guest speaker for the DEH Wednesday Seminar series on August 30, 2017.



- Prins GS, Ye SH, Birch L, **Zhang X, Cheong A**, Lin H, Calderon-Gierszal E, Groen J, Hu WY, **Ho SM**, van Breemen RB. Prostate Cancer Risk and DNA Methylation Signatures in Aging Rats following Developmental BPA Exposure: A Dose-Response Analysis. *Environ Health Perspect*. 2017 Jul 11;125(7):077007. doi: 10.1289/EHP1050. [PMID: 28728135](#) [PubMed - in process]
- Whitson JA, **Zhang X, Medvedovic M**, Chen J, Wei Z, Monnier VM, Fan X. Transcriptome of the GSH-Depleted Lens Reveals Changes in Detoxification and EMT Signaling Genes, Transport Systems, and Lipid Homeostasis. *Invest Ophthalmol Vis Sci*. 2017 May 1;58(5):2666-2684. doi: 10.1167/iovs.16-21398. PMID: 28525556; PMCID: [PMC5444549](#)
- **Vuong AM, Yolton K, Xie C**, Webster GM, Sjödin A, Braun JM, **Dietrich KN**, Lanphear BP, **Chen A**. Childhood polybrominated diphenyl ether (PBDE) exposure and neurobehavior in children at 8 years. *Environ Res*. 2017 Jul 19;158:677-684. [Epub ahead of print] [PMID: 28734254](#)
- Herrick RL, **Buckholtz J, Biro FM**, Calafat AM, Ye X, **Xie C, Pinney SM**. Polyfluoroalkyl substance exposure in the Mid-Ohio River Valley, 1991-2012. *Environ Pollut*. 2017 Sep;228:50-60. doi: 10.1016/j.envpol.2017.04.092. [Epub ahead of print 2017 May 13]. [PMID: 28505513](#)