

News at a Glance

December 19, 2017

The *Journal of Pediatrics* has published a study by CEG clinical member **Emily DeFranco, DO, MS** (UC AHC PR photo, right); Associate Director **Aimin Chen, MD, PhD**; CEG Director **Erin Haynes, DrPH, et al.**, on the impact of air pollution exposure on the offspring of women exposed just prior to conception or during the first month of pregnancy: Ren S, Haynes E, Hall E, Hossain M, Chen A, Muglia L, Lu L, DeFranco E. Periconception exposure to air pollution and risk of congenital malformations. *J Peds*. 2017 [ePub] DOI: <http://dx.doi.org/10.1016/j.jpeds.2017.09.076> Work funded by the National Institutes of Health (R01-HL 111829), the CEG (NIEHS P30ES006096), and by NIH awards RC4ES019755 and R01ES020349. Additional research support provided by the CCHMC Perinatal Institute and the March of Dimes Prematurity Research Center Ohio Collaborative.



Emily DeFranco, DO, assistant professor in the department of obstetrics and gynecology



Opeolu Adeoye MD, a CEG Next Generation Biomedical Investigator (2008-2009) and 2010 Pilot project awardee, has received an R01U01 award from the National Institute of Neurological Disorders and Stroke (NINDS) for the **Multi-arm Optimization of Stroke Thrombolysis (MOST) Stroke Trial**, which is a major multi-center clinical trial that will enroll between 500 and 1,200 patients. An Associate Professor of Emergency Medicine and Neurosurgery, Dr. Adeoye is co-director (2015–present) of the UC Stroke Team, one of the most prestigious & prolific stroke institutions in the nation.

Together with fellow CEG clinical members **Daniel Woo MD, Brett Kissela MD, Joseph Broderick MD, and Dawn Kleindorfer MD**, Dr. Adeoye has co-authored several recent papers in the leading peer-reviewed literature:

- Vagal A, Sanelli P, Sucharew H, Alwell KA, Khoury JC, Khatri P, **Woo D**, Flaherty M, **Kissela BM, Adeoye O**, Ferioli S, De Los Rios La Rosa F, Martini S, Mackey J, **Kleindorfer D**. Age, Sex, and Racial Differences in Neuroimaging Use in Acute Stroke: A Population-Based Study. *AJNR Am J Neuroradiol*. 2017 Oct;38(10):1905-1910. PubMed [PMID:28838913](https://pubmed.ncbi.nlm.nih.gov/28838913/).
- Madsen TE, Khoury J, Alwell K, Moomaw CJ, Rademacher E, Flaherty ML, Woo D, Mackey J, De Los Rios La Rosa F, Martini S, Ferioli S, **Adeoye O**, Khatri P, **Broderick JP, Kissela BM, Kleindorfer D**. Sex-specific stroke incidence over time in the Greater Cincinnati/Northern Kentucky Stroke Study. *Neurology*. 2017 Sep 5;89(10):990-996. PubMed [PMID: 28794254](https://pubmed.ncbi.nlm.nih.gov/28794254/); PubMed Central PMCID: PMC5589794.
- Katz BS, **Adeoye O**, Sucharew H, Broderick JP, McMullan J, Khatri P, Widener M, Alwell KS, Moomaw CJ, **Kissela BM**, Flaherty ML, **Woo D**, Ferioli S, Mackey J, Martini S, De Los Rios La Rosa F, **Kleindorfer DO**. Estimated Impact of Emergency Medical Service Triage of Stroke Patients on Comprehensive Stroke Centers: An Urban Population-Based Study. *Stroke*. 2017 Aug;48(8):2164-2170. PubMed [PMID: 28701576](https://pubmed.ncbi.nlm.nih.gov/28701576/).

Save the Date: DEH Wednesday Seminar

Wednesday January 10, 2018

Combined Effects of Developmental Lead Exposure and Prenatal Stress and Their Transgenerational Consequences

Presenter: Deborah Cory-Slechta, PhD

Professor of Environmental Medicine, Pediatrics & Public Health
University of Rochester | EHS P30 Core Center



10:00 - 11:00 AM | Rm 310 Kowalewski Hall
Lunch Q and A to follow in Kettering Atrium

RSVP at <https://www.surveymonkey.com/r/DCNZNFK>



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

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Publications

Braun JM, **Chen A**, Hoofnagle A, Papandonatos GD, Jackson-Browne M, Hauser R, Romano ME, Karagas MR, **Yolton K**, Thomas Zoeller R, Lanphear BP. Associations of early life urinary triclosan concentrations with maternal, neonatal, and child thyroid hormone levels. *Horm Behav*. 2017 Nov 14. pii: S0018-506X(17)30362-8. doi: 10.1016/j.yhbeh.2017.11.009. [Epub ahead of print] [PMID: 29154791](https://pubmed.ncbi.nlm.nih.gov/29154791/)

Zhang Y, Xu X, **Chen A**, Davuljigari CB, Zheng X, **Kim SS, Dietrich KN, Ho SM, Reponen T**, Huo X. Maternal urinary cadmium levels during pregnancy associated with risk of sex-dependent birth outcomes from an e-waste pollution site in China. *Reprod Toxicol*. 2017 Nov 14. pii: S0890-6238(16)30489-0. doi: 10.1016/j.reprotox.2017.11.003. [Epub ahead of print] [PMID: 29154917](https://pubmed.ncbi.nlm.nih.gov/29154917/)

Alvaro Puga, PhD has received a five-year, \$2.2 million award from the National Institute of Environmental Health Sciences (NIEHS) for a study of the Molecular Mechanisms of Complex Mixture Toxicity (R01ES010807-16A1, NIEHS, 09/01/17 – 08/31/22, \$2,237,296). **Congratulations to Dr. Puga and his team!**

