



The CEG will host the February 27 DEH Wednesday Seminar featuring **Bevin P. Engleward, Sc.D.**, Professor of Biological Engineering, Program Director of the MIT Superfund Research Program, and Deputy Director of the Center for Environmental Health Sciences at the Massachusetts Institute of Technology. Dr. Engleward's **lab** is dedicated to the study of genes, environment, and physiological factors that influence genomic stability. In addition to developing mouse models for fluorescent detection of rare genetic changes, Dr. Engleward and her colleagues are also investigating the

interfaces among DNA damage, repair, and infection. Seminar at 10:00 AM Wednesday February 27, Room 140 Kowalewski

### Recent Center Publications

Badkas A, **Frank E**, Zhou Z, Jafari M, Chandra H, Sriram V, Lee JY, **Yadav JS**. Modulation of in vitro phagocytic uptake and immunogenicity potential of modified Herceptin<sup>®</sup>-conjugated PLGA-PEG nanoparticles for drug delivery. *Colloids Surf B Biointerfaces*. 2018 Feb 1;162:271-278. doi: 10.1016/j.colsurfb.2017.12.001. Epub 2017 Dec 5. PMID: [29216514](#).

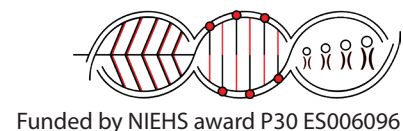
Calvillo A, **Haynes E**, Burkle J, Schroeder K, Calvillo A, Reese J, **Reponen T**. Pilot study on the efficiency of water-only decontamination for firefighters' turnout gear. *J Occup Environ Hyg*. 2018 Nov 28;1-16. doi: 10.1080/15459624.2018.1554287. PMID: [30485152](#)

**Vuong AM**, Braun JM, Wang Z, **Yolton K**, **Xie C**, Sjodin A, Webster GM, Lanphear BP, **Chen A**. Exposure to polybrominated diphenyl ethers (PBDEs) during childhood and adiposity measures at age 8 years. *Environ Int*. 2018 Dec 4;123:148-155. doi: 10.1016/j.envint.2018.11.050. [Epub ahead of print] PMID: [30529839](#).

Esser C, Lawrence BP, Sherr DH, Perdew GH, **Puga A**, Barouki R, Coumoul X. Old Receptor, New Tricks-The Ever-Expanding Universe of Aryl Hydrocarbon Receptor Functions. Report from the 4th AHR Meeting, 29-31 August 2018 in Paris, France. *Int J Mol Sci*. 2018 Nov 15;19(11). pii: E3603. doi: 10.3390/ijms19113603. PMID: [30445691](#).

### Applications due by 5 PM Thurs January 31 for 2019 – 2020 CEG Pilot Projects Program

The posted Request for Applications (RFA) includes instructions and required cover sheet: Available online, click [here](#). Application deadline: 5:00 PM Thursday January 31, 2019. Submit applications via email to [donovata@ucmail.uc.edu](mailto:donovata@ucmail.uc.edu) or via campus mail to Center for Environmental Genetics (DEH|ML 0056), Room 210 Kettering Research Building, 160 Panzeca Way, Cincinnati, OH 45267-0056. Questions about scientific issues may be directed to Pilot Program Director Dr. Jagjit Yadav ([Jagjit.Yadav@uc.edu](mailto:Jagjit.Yadav@uc.edu)) and co-Director Aimin Chen ([Aimin.Chen@uc.edu](mailto:Aimin.Chen@uc.edu)). Special RFA and January 2 deadline for **Shovel Ready** proposals (i.e., existing projects); read more on that fast-turn-around opportunity [here](#).

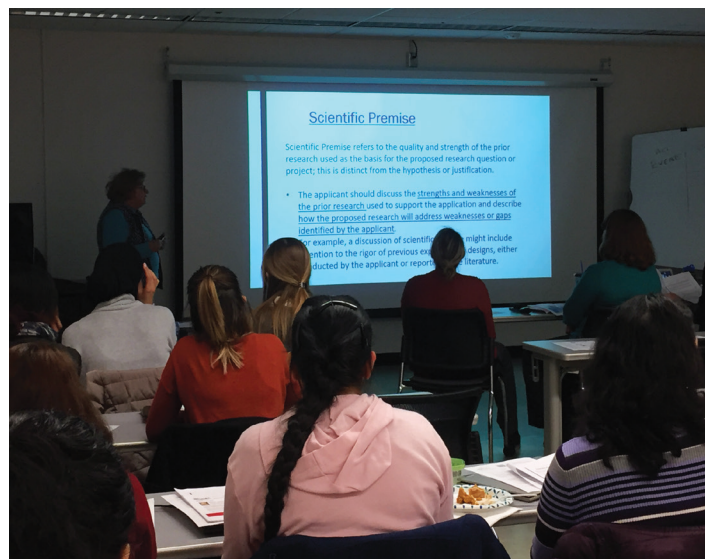


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<http://med.uc.edu/eh/centers/ceg>

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Above, Susan M. Pinney, Ph.D., F.A.C.E., introduces the panel seminar on scientific rigor and reproducibility

The CEG Integrative Health Sciences Facilities (IHSF) Core hosted a well-received seminar on NIH grant applications and the importance of articulating scientific rigor, reproducibility, and sex as biological variable components. The November 15th seminar, **Scientific Rigor: A Practical Approach. Perspectives from Human & Basic Studies**, was led by Susan M. Pinney, Ph.D., F.A.C.E. (moderator) and panelists Divaker Choubey, Ph.D.; Kelly Brunst, Ph.D.; and Katherine Burns, Ph.D. Nearly 87% of evaluation respondents rated the overall seminar as very good or outstanding. Slightly over 93% rated the "new knowledge gained today" and the same majority of respondents stated that they "learned one or more new things today that I plan to apply or further investigate in my own work."