ONE WORLD, ONE MEDICINE, ONE HEALTH

One Health Intellectual Exchange

Weekly Discussions / Course: Philosophy to Practical Integration of Human, Animal and Environmental Health

A weekly discussion series, sponsored by the **North Carolina One Health Collaborative** within the NCBC IEG Program to enhance collaborations between physicians, veterinarians, researchers and other local/global/environmental health professionals by increasing public awareness of the interconnectedness of people, animals and the environment.

(Available each spring for credit if desired)

3rd 2013 Weekly Session - Tuesday, January 22

5:30 – 7:30 p.m.

Flame Retardants in the Environment:

Cats as Sentinels for Humans?

Janice Dye, DVM, PhD, U.S. Environmental Protection Agency

And

Children's Exposure to Flame Retardant Chemicals; What are the Risks?

Heather Stapleton, PhD, Duke Nicholas School of the Environment

Meets Tuesdays, 5:30 – 7:30 p.m. at the North Carolina Biotechnology Center
15 T.W. Alexander Drive Research Triangle Park, NC 27709
Directions: www.ncbiotech.org/directions

Suggestions? Ideas? Contact Cheryl Stroud, Steering Comm. Chair cms7earth@gmail.com
Add yourself to the listserve with Listserv Manager Liz Selisker, liz_selisker@ncsu.edu
For Speaker Bio's, Suggested Readings, Cancellation notices and additional background
http://nconehealthcollaborative.weebly.com/index.htm http://onehealtheducation.blogspot.com/

For more information on the course option contact: Course TA Anne Stine anne.stine@duke.edu
Mamie Harris at UNC msharris@med.unc.edu
Chris Woods at Duke chris.woods@duke.edu
At NCSU Barrett Slenning barrett_slenning@ncsu.edu or Suzanne Kennedy-Stoskopf
suzanne_stoskopf@ncsu.edu

Triangle Global Health Consortium
Innovation through Collaboration

North Carolina Biotechnology Center

CCMTR

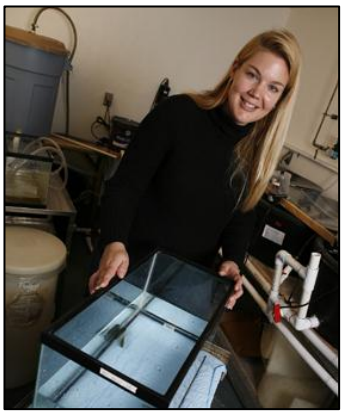
Janice A. Dye, DVM, PhD, Diplomate ACVIM, *U.S. Environmental Protection Agency.*

Jan Dye, DVM, PhD

Dr. Dye is a Research Biologist in the Cardiopulmonary & Immunotoxicology Branch, Environmental Public Health Division at the USEPA. She also holds an adjunct faculty appointment in the Department of Clinical Sciences (DOCs) at the NCSU College of Veterinary Medicine. Her general interests include comparative respiratory and internal medicine, pulmonary physiology, and epithelial cell biology. Her research focuses on understanding health effects and susceptibility related to air pollutants and environmental toxicants. Dr. Dye received her PhD in Comparative Biomedical Sciences (cell biology) from North Carolina State University, MS in Pharmacokinetics/Toxicology at the University of Illinois, and DVM from the University Minnesota.

Email: dye.janice@epa.gov

Heather M. Stapleton, PhD, Duke Nicholas School of the Environment, *Environmental Sciences & Policy*



Heather Stapleton, PhD

Dr. Stapleton is an Associate Professor of Environmental Chemistry in the Nicholas School of the Environment at Duke University. She earned an MS and PhD in Environmental Chemistry at the University of Maryland with educational experiences centered in the fate and transformation of organic contaminants in aquatic systems and indoor environments. Her current research focuses on several types of persistent organic pollutants (POPs), including polychlorinated biphenyls (PCBs) and brominated flame retardants, with a focus on polybrominated diphenyl ethers (PBDEs).

The conveniences of modern life also bring hazards. Dr. Stapleton explores what happens when chemicals used to prevent fires in common household products get into rivers, lakes and other water systems. Her research intends to lead to better policy and to promote public understanding of complex environmental questions.

Email: heather.stapleton@duke.edu

Suggested Readings for the discussion:

Dye JA, Venier M, Zhu YZ, Ward CA, Hites RA, Birnbaum LB. Elevated PBDE levels in pet cats: Sentinels for humans? *Environ Sci Technol* 2007; 41(18):6350-6356.

Stapleton HM, Eagle S, Sjödin A, Webster TF. Serum PBDEs in a North Carolina toddler cohort: associations with handwipes, house dust, and socioeconomic variables. *Environ Health Perspect.* 2012; 120(7):1049-54.

http://media.apps.chicagotribune.com/flames/index.html