One Health Intellectual Exchange

A discussion series, sponsored by the North Carolina One Health Collaborative (NC OHC) within the NCBC Intellectual Exchange Group (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.

Fall 2016 - Tuesday, December 6, 2016
5:30 – 7:30 p.m.

Brian D Byrd, MSPH, PhD
Associate Professor, Western Carolina University

Michael Reiskind, MPH, PhD
Assistant Professor, NCSU

One Health Perspectives on Mosquito-borne Disease Risk in NC:
Zika Virus: NC’s Newest Arbovirus  (M. Reiskind)
La Crosse Virus: NC’s Persistent Arbovirus (B. Byrd)

To join the meeting in person:
15 T.W. Alexander Drive Research Triangle Park, NC 27709  Directions: www.ncbiotech.org/directions

To join the meeting remotely:
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nconehealth@gmail.com      http://nconehealthcollaborative.weebly.com/index.htm
Facebook: search 'North Carolina One Health Collaborative'; Twitter: @NC_OneHealth
Speakers Bios:

**Brian Byrd, MSPH, PhD**

Dr. Brian Byrd is an Associate Professor in the Environmental Health Sciences program, College of Health and Human Sciences, Western Carolina University. He received a Bachelor’s degree (Biology) from the University of North Carolina at Asheville, a Master’s of Science in Public Health Parasitology, and his Doctorate (PhD) from the Tulane University School of Public Health and Tropical Medicine in New Orleans, Louisiana. During his studies at Tulane he was a pre-doctoral fellow in a CDC funded training program in vector-borne infectious diseases. Currently, Dr. Byrd teaches courses such as Principles of Epidemiology, Medical Entomology, and Etiology of Infectious Diseases. His research focuses on domestic mosquitoes and mosquito-borne diseases, specifically La Crosse encephalitis. He also maintains an active undergraduate research program where his students have been nationally recognized. He has authored or co-authored peer reviewed manuscripts in discipline related journals and is an active member of a number of professional organizations including the Society for Vector Ecology and the American Mosquito Control Association.

**Michael Reiskind, MPH, PhD**

Dr. Michael Reiskind is an Assistant Professor of Entomology at North Carolina State University. He received his BA in Biology from Amherst College, his MPH and his PhD (Biology) from University of Michigan, Ann Arbor. His research focus is Aedes aegypti mosquitoes as vectors for disease. He serves as Vice-President of the North Carolina Vector and Mosquito Control Association, a society with 180 members. His additional activities include: 1- Developed a smartphone application for tracking mosquito biting activity by citizens. Currently working on 2.0 version. Results available through our laboratory web-site: www.vectorecology.org. 2- Runs an informational table about vector ecology at BugFest, an annual event at the North Carolina Museum of Natural Sciences that involves around 35,000 participants. 3- Developed (as part of a team) grade appropriate material for use in North Carolina classrooms to teach about insect life cycles, disease transmission, and the role of people in environmental health, using mosquitoes as an exemplar. Available for grades 5 and 8 for download at www.vectorecology.org.