**Dr. Leonard L. Williams** is the Director and Professor of Food Safety and Molecular Food Microbiology at North Carolina Agricultural and Technical State University Center for Excellence in Post-Harvest Technologies (CEPHT) located on the North Carolina Research Campus (NCRC) in Kannapolis, North Carolina.

As director of the Center for Excellence in Post-Harvest Technologies, he has been responsible for managing a research center that has grown to over 40 research scientists, support staff and students. This growth has been spurred by the center’s ability to secure over $10.5 Million in external funding since 2010 and publishing of over 300 peer-review articles by his center scientists. Dr. Williams is currently a member of Institute of Food Technologist (IFT), American Society for Microbiology (ASM) and International Association for Food Protection (IAFP).

**Dr. Emily Bailey** is a Postdoctoral Associate with the Duke One Health Team, Division of Infectious Disease, Department of Medicine, Duke Global Health Institute (DGHI) Duke University. She is an experienced laboratory manager skilled in Histology, Water Treatment, Data Analysis and Water Quality. She received her Doctor of Philosophy (PhD) focused in Environmental/Environmental Health Engineering from University of North Carolina at Chapel Hill. Dr. Bailey. Her current work includes collaborative efforts using a non-invasive swine slurry sampling method as an alternative approach for conducting routine surveillance in farms, providing an additional tool for farmers to protect their animals and themselves from new disease threats.
AGENDA

8:30 am – 9 am .......... Registration
9:00 am – 9:15 am ........ Welcome, Introductions & Orientation to Facilities
9:15 am – 10:00 am ...... Interacting with Employers/Producers to Enhance Child and Youth Safety in Agriculture ~ Barbara Lee, RN, PhD

10:15 am – 10:30 am .......... Break & Poster Session
10:30 am – 11:15 am .......... Pursuing Health: Managing our Differences in Agricultural & Medical Science - Paul James, MD

11:15 am – 12:00 pm .......... Epidemiological Approaches to Food Safety ~ Leonard Williams, PhD

12:00 pm – 1:00 pm .......... Lunch (provided)
1:00 pm – 2:00 pm ....... Inquiry into Agricultural Environmental Exposures
  - Can Improved Wellness Reduce Farm Injuries? - Kelley J Donham MS DVM DACVPM
  - Farmers and Feces: A One Health Approach to Emerging Swine Zoonoses ~ Annette Greer, PhD, MSN, RN and Emily Bailey, PhD
  - Low Cost Sensors in Agriculture ~ Sinan Sousan, PhD

2:00 pm – 3:00 pm ......... Health & Safety Issues of Special Populations in Agriculture
  - Exploring Cultural Capital in Agricultural Education Spaces that Provide Training to Military Veterans entering Agriculture ~ Crystal Kyle, PhD
  - The Impact of ACA Medicaid Expansion on Agricultural Workers’ Health Insurance Coverage and Medical Care Utilization ~ Amy M.G. Kandilov, PhD and Ivan T. Kandilov, PhD
  - Healthcare with the Tides ~ Debra Kosko, DNP, FNP-BC

3:00 pm – 3:15 pm .......... Break & Poster Session
3:15 pm – 3:45 pm .......... One Health: Emerging Diseases & Opportunities for Collaboration ~ Emily Bailey, PhD

3:45 pm – 4:00 pm .......... Wrap Up/Adjournment

About our Speakers

Dr. Barbara Lee is Principal investigator, Director of the NIOSH-funded National Children's Center for Rural and Agricultural Health and Safety, established in 1997. She is also a Senior Research Scientist with the Marshfield Clinic Research Foundation/National Farm Medicine Center and Adjunct Faculty with the University of Wisconsin Schools of Nursing at Madison and Eau Clare. Dr. Lee is recognized internationally for her efforts in developing and implementing evidence-based programs to reduce the risk of farm-related child and youth injury and fatality.

Dr. Paul James is Chair of Family Medicine at the University of Washington in Seattle. Previously he served as Chair of the Department of Family Medicine at the University of Iowa, was the IAFP Endowed Chair in Rural Medicine and was a professor of Occupational and Environmental Health in the College of Public Health. Board certified by the American Board of Family Medicine, Dr. James is an active clinician, educator and researcher, with membership and notable positions of leadership in many key national organizations, including serving as President of the Association of Departments of Family Medicine from 2014 to 2016. In regard to research, his work has focused on translating clinical evidence into practice with special emphasis on cardiovascular disease; using practice-based research networks to improve our understanding of clinical practice, rural medicine and health services delivery to the underserved; and measuring instructional quality in ambulatory settings. A native of rural Pitt County, North Carolina, Dr. James was instrumental in the establishment of the North Carolina Agromedicine Institute and continues learning from his father about the problems faced by our farmers, farm workers and agricultural industries.