Evaluating the Health Effects to Local Communities of Confined Animal Feeding Operations (CAFOs)

November 11, 2010  8:30 am – 5:00 pm
McKimmon Conference Center, NC State University, Raleigh, NC

8:30 AM Welcome and Introductions Jane Hoppin (NIEHS) and Rob Smart (NCSU)

Overview
8:45 AM Mike Williams (NCSU) CAFOs - What Are They and What Are the Issues

Human Health Effects Moderator - Jenna Waggoner (NIEHS)
9:15 AM Steve Wing (UNC-CH) Swine CAFOs, Air Pollution, and Community Health
9:45 AM Brian Pavilonis (Univ of Iowa) Association Between Living in Proximity to Animal Feeding Operations and Childhood Asthma
10:15 AM Discussion
10:30 AM Coffee Break

Human Health Effects Moderator - Stacy Endres (NIEHS)
10:45 AM Tara Smith (Univ of Iowa) Swine Farming and MRSA
11:15 AM Eric Gonder (Goldsboro Milling Co Inc) Environmental Trade-Offs and Scientific Speculation: Antibiotics in Animal Agriculture
11:45 AM Discussion

Noon - Lunch Buffet

Exposure Assessment Aspects Moderator - Erin Yost (NCSU)
1:00 PM Mark Sobsey (UNC-CH) Pathogen Exposure Risks from Wastes, Water and Air on Swine Farms
1:30 PM Ralph Altmaier (Univ of Iowa) Use of AERMOD to Determine Hydrogen Sulfide Concentrations in the Vicinity of Swine CAFOs
2:00 PM Wayne Robarge (NCSU) Ammonia Fate and Transport: Modeling Ammonia Concentrations Near CAFOs in Eastern NC
2:30 PM Coffee Break

Exposure Assessment Aspects Moderator - Leah Schinasi (UNC-CH)
2:45 PM Viney Aneja (NCSU) Characterizing Particulate Matter and Non-Methane Volatile Organic Compounds from Concentrated Animal Feeding Operations
3:15 PM Seth Kullman (NCSU) An Integrated Approach to Developing a Total Facility Estrogen Budget at a Swine Farrowing CAFO
3:45 PM Discussion

Basic Science Aspects Moderator - Virginia Thompson Guidry (UNC-CH)
4:00 PM Debra Romberger (Univ of Nebraska Medical Ctr) Inflammatory Responses From Complex Components of Dust
4:30 PM Michael Fessler (NIEHS) Murine Models of Endotoxin-Induced Lung Injury: New Insights on the Impact of Dyslipidemia on Airway Inflammation
5:00 PM Wrap up

This meeting is sponsored by National Institute of Environmental Health Sciences, National Institute for Occupational Safety and Health and the Center for Human Health and the Environment, NC State University. Organizers - Jane Hoppin (NIEHS) and Rob Smart (NCSU)