

Clinical and Applied Science Research Presentations
Food Animal, Group A
Phi Zeta Research Day
March 10, 2015, 1:15-3:45pm
201 Trotter Hall

- 1:15 – 1:30 **L.L. Schumacher** – Determining the minimum infectious dose of porcine epidemic diarrhea virus (PEDv) in the feed matrix
- 1:30 – 1:45 **Daniel Frese**– Effect of cattle handling technique on selected blood chemistry parameters in finishing steer
- 1:45 – 2:00 **Jorge C. Simroth** – Relationship Between the Prevalence and Size of Horns, and Prevalence, Anatomical Location, and Severity of Bruises on Beef Carcasses
- 2:00 – 2:15 **Erin Schwandt** – “A survey of dry processed corn particle size and fecal starch in Midwestern U.S. feedlots”
- 2:15 – 2:30 **Megan C. Niederwerder** – Relationship between growth performance and clinical signs of PCV2/PRRSV co-infection in nursery pigs
- 2:30 – 2:45 **Break**
- 2:45 – 3:00 **Lance W. Noll** – Culture- and PCR-based Methods for Detection and Quantification of Shiga Toxin-Producing *Escherichia coli* O157 in Cattle Feces
- 3:00 – 3:15 **Pius S. Ekong** – Stochastic modeling of the variability associated with concentrations of six major non-O157 *Escherichia coli* serogroups in cattle feces based on a multiplex real-time quantitative PCR (mqPCR) assay.
- 3:15 – 3:30 **Sarah Capik** – Behavioral effects of cattle handling over time
- 3:30 – 3:45 **Kaitlynn Abell**– Effect of vaginal temperature on behavioral patterns of *Mannheimia haemolytica* challenged beef heifer calves.
- 5:00 – 6:00 pm **Reception and Awards Ceremony** Frick Auditorium and Foyer, 2nd Floor, Mosier Hall
- Initiation of New Members to Phi Zeta
 - Announcement & Presentation of Awards Recognizing Research & Scholarship Accomplishments
 - Closing Comments