

Late-Breaking Original Research Session
Chair: Shawn Archibeque, Colorado State University
Panzacola F-1/2

Sunday, July 12, 3:00 to 5:00 PM

- 3:00 PM LB1 **Fertility may depend on conceptus-derived signals in lactating dairy cows.** Bethany E. Liebig*¹, Milton G. Thomas², Kevin D. McSweeney³, Hana Van Campen¹, Jeanette Bishop¹, and Thomas R. Hansen¹, ¹*Department of Biomedical Sciences, Animal Reproduction and Biotechnology Laboratory, Colorado State University, Fort Collins, CO*, ²*Department of Animal Sciences, Colorado State University, Fort Collins, CO*, ³*Department of Clinical Sciences, Colorado State University, Fort Collins, CO*.
- 3:15 PM LB2 **Low fertility in postpartum dairy cows with subclinical endometritis (SCE) is not explained by failed ovarian response to a timed AI (TAI) protocol.** Roger Molina-Coto*¹, Tyler J. Stratman¹, Monica O. Caldeira¹, Scott E. Pooch², and Matthew C. Lucy¹, ¹*Division of Animal Science, University of Missouri, Columbia, MO*, ²*College of Veterinary Medicine, University of Missouri, Columbia, MO*.
- 3:30 PM LB3 **Comparison of standardization methods for real-time qPCR to account for heterogeneous cell types in differing fat depots.** Brandon M. Koch*, William C. Bridges, and Susan K. Duckett, *Clemson University, Clemson, SC*.
- 3:45 PM LB4 **Supplementation of choline increases very low density lipoprotein export from bovine primary hepatocytes.** Courtney L. McCourt¹, Tawny L. Chandler*¹, Sandra J. Bertics¹, Barbara A. Barton², and Heather M. White¹, ¹*University of Wisconsin-Madison, Madison, WI*, ²*Balchem Corporation, New Hampton, NY*.
- 4:00 PM LB5 **Time and dry acidulant addition substantially reduce *Salmonella* concentration in extruded dog food.** Andrea Jeffrey*¹, Gregory Aldrich¹, Carl Knueven², Anne Huss¹, and Cassandra Jones¹, ¹*Kansas State University, Manhattan, KS*, ²*Jones-Hamilton Co., Walbridge, OH*.
- 4:15 PM LB6 **A life cycle assessment framework combining nutritional and environmental health impacts of diet: A case study on milk.** Katerina Stylianou¹, Martin Heller², Victor Fulgoni III³, Ying Wang*⁴, Gregory Keoleian², and Olivier Jolliet¹, ¹*Environmental Health Sciences, School of Public Health, University of Michigan, Ann Arbor, MI*, ²*Center for Sustainable Systems, School of Natural Resources and Environment, University of Michigan, Ann Arbor, MI*, ³*Nutrition Impact LLC, Battle Creek, MI*, ⁴*Innovation Center for US Dairy, Rosemont, IL*.
- 4:30 PM LB7 **Effect of heat stress on mammary gland autophagy during the dry period.** Yenny Ramirez-Lee*¹, Bahroz M. S. Ahmed¹, Sha Tao², Geoffrey E. Dahl¹, and Stephanie E. Wohlgemuth¹, ¹*University of Florida, Gainesville, FL*, ²*University of Georgia, Tifton, GA*.
- 4:45 PM LB8 **Monitoring survivability and infectivity of porcine epidemic diarrhea virus within two different on-farm lagoons.** Hein M. Tun*¹, John P. Carney², Mark Fynn³, Lorne Grieger⁴, and Ehsan Khafipour^{1,5}, ¹*Department of Animal Science, University of Manitoba, Winnipeg, MB, Canada*, ²*Manitoba Livestock Manure Management Initiative Inc., Winnipeg, MB, Canada*, ³*Manitoba Pork Council, Winnipeg, MB, Canada*, ⁴*Prairie Agricultural Machinery Institute, Portage La Prairie, MB, Canada*, ⁵*Department of Medical Microbiology, University of Manitoba, Winnipeg, MB, Canada*.