3:00 PM LB1  Fertility may depend on conceptus-derived signals in lactating dairy cows. Bethany E. Liebig*, Milton G. Thomas2, Kevin D. McSweeney1, Hana Van Campen1, Jeanette Bishop1, and Thomas R. Hansen1, 1Department of Biomedical Sciences, Animal Reproduction and Biotechnology Laboratory, Colorado State University, Fort Collins, CO, 2Department of Animal 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*, Tyler J. Stratman1, Monica O. Caldeira1, Scott E. Poock2, and Matthew C. Lucy1, 1Division of Animal Science, University of Missouri, Columbia, MO, 2College 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*, Sandra J. Bertics1, Barbara A. Barton1, and Heather M. White1, 1University of Wisconsin-Madison, Madison, WI, 2Balchem Corporation, New Hampton, NY.

4:00 PM LB5  Time and dry acidulant addition substantially reduce Salmonella concentration in extruded dog food. Andrea Jeffrey*, Gregory Aldrich1, Carl Knueven2, Anne Huss1, and Cassandra Jones1, 1Kansas State University, Manhattan, KS, 2Jones-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 III1, Ying Wang2, Gregory Keoleian2, and Olivier Jolliet1, 1Environmental Health Sciences, School of Public Health, University of Michigan, Ann Arbor, MI, 2Center for Sustainable Systems, School of Natural Resources and Environment, University of Michigan, Ann Arbor, MI, 3Nutrition Impact LLC, Battle Creek, MI, 4Innovation 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*, Bahroz M. S. Ahmed1, Sha Tao1, Geoffrey E. Dahl1, and Stephanie E. Wohlgemuth1, 1University of Florida, Gainesville, FL, 2University 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*, John P. Carney1, Mark Fynn1, Lorne Grieger3, and Ehsan Khafipour1,5, 1Department of Animal Science, University of Manitoba, Winnipeg, MB, Canada, 2Manitoba Livestock Manure Management Initiative Inc., Winnipeg, MB, Canada, 3Manitoba Pork Council, Winnipeg, MB, Canada, 4Innovation Center for US Dairy, Rosemont, IL, 5Department of Medical Microbiology, University of Manitoba, Winnipeg, MB, Canada.