

**Late-Breaking Original Research**  
**Chair: Jack Whittier, Animal Science Department, Colorado State University**  
**Wabash Ballroom 3**

3:00 PM	LB1	<b>Evidence for the presence of an autoimmune component to the chronic muscle wasting disease characteristic of calves infected with <i>Sarcocystis cruzi</i>.</b> T. H. Elsasser* <sup>1</sup> , S. Kahl <sup>1</sup> , R. Fayer <sup>2</sup> , and E. E. Connor <sup>1</sup> , <sup>1</sup> USDA-ARS, Bovine Functional Genomics Laboratory, Beltsville, MD, <sup>2</sup> USDA-ARS, Environmental Microbial and Food Safety Laboratory, Beltsville, MD.
3:15 PM	LB2	<b>Maternal nutrient restriction followed by realimentation during early to mid-gestation on hepatic steroid inactivation in beef cows.</b> C. G. Hart* <sup>1</sup> , L. E. Camacho <sup>2</sup> , K. C. Swanson <sup>2</sup> , K. A. Vonnahme <sup>2</sup> , and C. O. Lemley <sup>1</sup> , <sup>1</sup> Mississippi State University, Mississippi State, <sup>2</sup> North Dakota State University, Fargo.
3:30 PM	LB3	<b>Zilpaterol hydrochloride increases carcass yield of fed steers by altering tissue proportions.</b> T. J. McEvers* <sup>1</sup> , N. D. May <sup>1</sup> , J. A. Reed <sup>1</sup> , L. J. Walter <sup>1</sup> , J. P. Hutcheson <sup>2</sup> , and T. E. Lawrence <sup>1</sup> , <sup>1</sup> West Texas A&M University, Canyon, <sup>2</sup> Merck Animal Health, Summit, NJ.
3:45 PM	LB4	<b>Effects of glucuronic acid and N-acetyl-d-glucosamine on the in vitro fertilization of porcine oocytes.</b> K. Schmidt*, K. Dalton, C. Durfey, K. Lemon, A. Mello, and B. D. Whitaker, University of Findlay, Findlay, OH.
4:00 PM	LB5	<b>Direct use of MACE EBV in the Walloon single-step Bayesian genomic evaluation system.</b> J. Vandenplas <sup>1,2</sup> , F. Colinet <sup>1</sup> , P. Faux <sup>1</sup> , S. Vanderick <sup>1</sup> , and N. Gengler* <sup>1</sup> , <sup>1</sup> ULg-GxABT, Gembloux, Belgium, <sup>2</sup> FNRS, Brussels, Belgium.
4:15 PM	LB6	<b>Genetic mechanisms that contribute to differences in beef tenderness following electrical stimulation.</b> R. N. Vaughn*, A. K. Torres, K. J. Kochan, R. K. Miller, C. A. Gill, A. D. Herring, D. G. Riley, J. O. Sanders, J. W. Savell, T. H. Welsh, and P. K. Riggs, Texas A&M University, College Station.
4:30 PM	LB7	<b>A new inline device for predicting individual cow somatic cell count using ATP measurement technology.</b> B. W. Woodward* <sup>1</sup> , A. J. Seykora <sup>2</sup> , and T. Koopman <sup>3</sup> , <sup>1</sup> NextGen, Lawrenceville, GA, <sup>2</sup> University of Minnesota, St. Paul, <sup>3</sup> Isogen Animal Care, De Meern, the Netherlands.
4:45 PM	LB8	<b>Conjoint regulation of glucagon secretion via insulin and glucose plasma concentrations in dairy cows.</b> M. Zarrin* <sup>1,2</sup> , O. Wellnitz <sup>1</sup> , H. A. van Dorland <sup>1</sup> , and R. M. Bruckmaier <sup>1</sup> , <sup>1</sup> Veterinary Physiology Vetsuisse Faculty, Bern, Switzerland, <sup>2</sup> Department of Animal Science, Yasouj University, Yasouj, Iran.