

SCHEDULE OF EVENTS

FRIDAY, APRIL 5

12:45 PM Pete Hansen
Welcome, introductory comments

Session 1: Embryonic and Fetal Development **Leticia Del-Penho Sinedino, Chair**

1:00 PM Kyle Dobbs, Animal Sciences
Dynamics of the methylome during early development of the preimplantation bovine embryo

1:15 PM Anna Denicol, Animal Sciences
Exposure of bovine embryos to WNT antagonist dickkopf-1 and to colony-stimulating factor 2 enhances embryo survival and pregnancy rate following embryo transfer in lactating dairy cows

1:30 PM Rafael Bisinotto, Animal Sciences
Effects of follicular wave and progesterone concentration during follicle growth on conceptus and endometrium global gene expression in dairy cows

1:45 PM Sofia Ortega, Animal Sciences
Changes in expression of CWC15 during preimplantation development in the bovine embryo

2:00 PM Antonio Ruiz, Animal Sciences
Effects of addition of forskolin, L-carnitine, trans 10, cis 12 conjugated linoleic acid and phenazine ethosulfate during embryo culture on lipid content, abundance of genes involved in lipid metabolism and embryo survival following cryopreservation

2:15 PM Maria Padua, Physiological Sciences
Disruption of ovarian and testicular development in mice by the conditional deletion of the genes encoding the transcription factors GATA4 and GATA6

2:30 BREAK

Session 2: 2013 AMCB Distinguished Lecturer Presentation **Pete Hansen, Chair**

3:00 PM Professor Martin Sheldon
Institute of Life Science, School of Medicine, Swansea University
Mechanisms of infection and immunity in the female genital tract of cattle

4:00 PM Break

Session 3: Microbiology and Immunology
Sofia Ortega, Chair

4:15 PM Soojin Jeon, Animal Sciences/Emerging Pathogens Institute
Animal genetic and physiological factors contribute to the prevalence of E. coli O157 in cattle

4:45 PM Won-Sik Yeo, Animal Sciences/Emerging Pathogens Institute
Paralogous non-LEE effectors of enterohemorrhagic Escherichia coli target disparate loci in host cells and cause cell damage

5:00 PM Raes Mir, Animal Sciences/Emerging Pathogens Institute
Is cefotaxime resistance endemic in farm animals?

5:15 PM Fabio Lima, Animal Sciences
Effects of intrauterine infusion of Trueperella pyogenes on endometrial mRNA expression of genes associated with luteolysis in dairy cows

5:30 PM Bianca Libanori Artiaga, Animal Sciences
Targeting natural killer T cells to enhance immunity: A novel swine model

5:45 PM Dale Kelley, Animal Sciences
Characterization of MHC Class I conserved locus and Locus II mRNA in three Equus africanus somaliensis jennies

6:00 PM Check into rooms, break

7:00 PM Cookout (location to be announced)

SATURDAY, APRIL 6

6:00-10:00 AM Hot breakfast, second floor café.

Session 4: Adverse Environments
Gabriel Carvalho Gomes, Chair

9:00 AM Ashley Grapes, Physiology and Functional Genomics
Effect of triclosan on placental gene expression in the late gestation sheep

- 9:15 AM Dana Schreffler, Animal Sciences
Effects of PPAR γ agonist rosiglitazone on cardiac tissue and cultured cardiomyocytes
- 9:30 AM Christina Vasquez, Biology
Multiple stressor interactions delay horseshoe crab embryo development
- 9:45 AM Maria Von Chamier, Infectious Diseases and Pathology
Impact of combined infection and prenatal nicotine exposure on postnatal outcome
- 10:00 AM Sha Tao, Animal Sciences
Effect of in utero heat stress on insulin response of calves after weaning
- 10:15 AM Gabriel Carvalho Gomes, Animal Sciences
Effects of evaporative cooling prepartum and vitamin E supplementation on performance and conceptus development in Holstein cows during summer in Florida
- 10:30 AM Break

Session 5: Dairy Cattle Management
Ashley Grapes, Chair

- 10:45 AM João Henrique Jabur Bittar, Large Animal Clinical Sciences
Effects of induction of ovulation early in lactation on uterine health and fertility in dairy cows
- 11:00 AM Leticia Del-Penho Sinedino, Animal Sciences
Effect of early or late resynchronization on reproductive performance of dairy cows observed for estrus
- 11:15 AM Miriam Garcia Orellena, Animal Sciences
Does supplementing essential fatty acids in the late gestation and the preweaning periods influence future productivity of Holstein heifers?
- 11:30 AM Natalia Martinez-Patino, Animal Sciences
Effect of induced subclinical hypocalcemia on clinical parameters and immune function in dairy cows
- 11:45 AM Eduardo Ribeiro, Animal Sciences
Low doses of recombinant bovine somatotropin (rbST) enhance fertility of dairy cows
- 12:00 PM Closing (and very brief) remarks, Pete Hansen