

SCHEDULE

Friday PM, April 17, 2009 Plantation Golf Resort & Spa Sable Room

Session 1, Distinguished Lecture

- 1:00-1:15 PM Peter J. Hansen, Welcoming remarks.
- 1:15-2:00 PM Dean H. Betts, AMCB Distinguished Lecturer, Depts of Physiology & Pharmacology and Obstetrics & Gynecology, University of Western Ontario, London. Equine cord blood stem cells - from farm to point of care.
- 2:00-2:30 PM BREAK

Session 2. Research Reports (Sarah Fields, chair)

- 2:30 – 2:45 PM Yang, Q., Johnson, S.E., and Ealy, A.D. Dept. of Animal Sciences, University of Florida, Gainesville. Protein kinase C mediates fibroblast growth factor 2-induced expression of interferon tau in bovine trophectoderm.
- 2:45 - 3:00 PM Pennington, K.A., and Ealy, A.D. Dept. of Animal Sciences, University of Florida, Gainesville. Identification of selective bone morphogenetic proteins (BMPs) and their receptors in peri-attachment bovine conceptuses and the trophectoderm cell line, CT1.
- 3:00 - 3:15 PM Cerri, R.L.A. Thompson, I.M., Kim, I.H. Ealy, A.D., Hansen, P.J., Staples, C.R., Li, J.L. and Thatcher, W.W. Dept. of Animal Sciences, University of Florida, Gainesville and Chungbuk National University, South Korea Effects of lactation and pregnancy on endometrial gene expression in dairy cattle.
- 3:15 – 3:30 PM Thompson, I.M., Cerri, R.L.A., Kim, I.H., Green, J.A., and Thatcher, W.W. Dept. of Animal Sciences, University of Florida, Gainesville and Chungbuk National University, South Korea. Bovine pregnancy associated glycoproteins (PAGs): conceptus and endometrial expression and subsequent dynamics in plasma during pregnancy.
- 3:30 – 4:00 PM GROUP PICTURE

Session 3 – Research Reports (Kathleen Pennington, Chair)

- 4:00 – 4:15 PM Kramer, J.M., Ali, L., and Drury, K.C. Depts. of Animal Sciences and Obstetrics & Gynecology, University of Florida . Serum substitute supplement (SSS) improves control-rate cryopreservation and post thaw re-expansion of murine blastocysts.
- 4:15 – 4:30 PM Fear, J. M. Bonilla, L., Kennedy, J.W., Talbot, N.C., Stodieck, L., and Hansen, P.J. Dept. Animal Sciences, University of Florida, Zero Gravity, Inc., Stevensville, MD, Agricultural Research Service, United States Department of Agriculture, Beltsville, MD, and BioServe Space Technologies, University of Colorado, Boulder, CO. Cows in space: A preliminary investigation to determine effects of space flight on preimplantation development of bovine embryos.
- 4:30 - 4:45 PM Zhang, K., and Ealy, A.D. Dept. Animal Sciences, University of Florida. Global assessment of the conceptus transcriptome in response to fibroblast growth factor 2 and 10 supplementation in vitro.
- 4:45 – 5:00 PM Fields, S.D., Hansen, P.J., and Ealy, A.D. Dept. of Animal Sciences, University of Florida. Actions of fibroblast growth factor 2 on development of bovine embryos to the blastocyst stage.
- 4:45 – 5:00 PM Loureiro, B., Bonilla, L., Block, J., Fear, J.M., Bonilla, A.Q.S. and Hansen, P.J. Dept. of Animal Sciences, University of Florida. Granulocyte-macrophage colony stimulating factor improves development and post-transfer survival of bovine embryos produced in vitro.
- 5:00 – 5:15 PM Bonilla, A.Q.S., and Hansen, P.J. Dept. of Animal Sciences, University of Florida. Developmental changes in actions of insulin-like growth factor-I to protect the preimplantation bovine embryo from heat shock.
- 5:15 - 5:30 PM Carambula, S., Oliveira, L., and Hansen, P.J. Dept. of Animal Sciences, University of Florida. Repression of the intrinsic pathway to apoptosis in the two-cell bovine embryo involves histone deacetylation and DNA methylation.

CHECK INTO ROOMS

COOKOUT – AT THE VILLAS

Saturday AM, April 18, 2009
Plantation Golf Resort & Spa
Sable Room

7:30 – 8:45 AM Breakfast (on your own)

Session 4 – Guest Lecture (Lokenga Badinga, Chair)

8:45 - 9:30 AM Daniel A. Hahn, Dept. of Entomology & Nematology, University of Florida, Metabolic Mechanisms Mediate the Miserable Months: a journey through fly hibernation physiology.

9:30 – 10:00 AM BREAK

Session 5 – Research Reports (Barbara Loureiro, Chair)

10:00 – 10:15 AM Esterman, R.D., Austin, B.R., McKinniss, E.M., and Yelich, J.V. Dept. of Animal Sciences, University of Florida. Comparison of a Select Synch/CIDR + timed-AI (TAI) to a Co-Synch/CIDR synchronization protocol in suckled *Bos indicus* x *Bos taurus* cows.

10:15 – 10:30 AM Bisinotto, R.S., Chebel, R., C., and Santos, J.E.P. Dept. of Animal Sciences, University of Florida and School of Veterinary Medicine, University of California Davis. Follicular wave of the ovulatory follicle and not cyclic status influences fertility of dairy cows.

10:30 – 10:45 AM Greco, L.F., Garcia, M., Favoreto, M., Thatcher, W.W., Staples, C.R., and Santos, J.E.P. Dept. of Animal Sciences, University of Florida. Fatty acid supplementation to periparturient dairy cows receiving diets containing low amounts of essential fatty acids.

10:45 – 11:00 AM BREAK

Session 6 – Research Reports (Regina Esterman, Chair)

11:00 – 11:15 AM Reed, S.A., Li, J., and Johnson, S.E. Dept. of Animal Sciences, University of Florida. Effects of three dimensional culture and fibroblast growth factor supplementation on equine umbilical cord blood derived stem cells.

11:15 – 11:30 AM Oliveira, L., and Hansen, P.J. Dept. of Animal Sciences, University of Florida. Phenotypic characterization of macrophages in the endometrium of the pregnant cow.

11:30 – 11:45 AM Bubolz, J.W., Tao, S., do Amaral, B.C., Hayen, M.J., Olson, T.A., and Dahl, G.E. Dept. of Animal Sciences, University of Florida. Heat stress

does not alter immune status of Holstein calves but slick genotype confers reduced immune function.

11:45 – 12:00 PM Tao, S., and Dahl, G.E. Dept. of Animal Sciences, University of Florida.
Environmental effects during dry period on the mammary gland development of dairy cows.

ADJOURNMENT