

SCHEDULE

Friday morning, March 28, 2008
Auditorium, McKnight Brain Institute
AMCB Distinguished Lecturer Series

9:00 – 10:00 AM Eckhard Wolf, Lehrstuhl für Molekulare Tierzucht und Biotechnologie, Genzentrum der LMU-München. Genetically modified large animals in biomedical research

Friday afternoon, March 28, 2008
Cedar Cove Beach and Yacht Club

Session 1. Research Reports (Kathleen Pennington, chair)

1:00 – 1:15 PM Padua, M. B., and P. J. Hansen. Dept. of Animal Sciences, University of Florida. Uterine serpins: molecular phylogeny and sequence conservation in Laurasiatheria.

1:15 - 1:30 PM Oliveira, L., and P. J. Hansen. Dept. of Animal Sciences, University of Florida. Characterization of macrophages and $\gamma\delta$ + T cells in the endometrium during pregnancy in cows.

1:30 - 1:45 PM Silvestre, F.T., T. S. M. Carvalho, C. Crawford, J. E. P. Santos, C. R. Staples, W. W. Thatcher. Depts. of Animal Sciences and Small Animal Clinical Sciences, University of Florida. Effects of differential supplementation of calcium salts of fatty acids (CSFAs) to lactating dairy cows on plasma acute phase proteins and leukocyte responses: phagocytic and oxidative burst, CD62L and CD18 expression and cytokine production.

1:45 – 2:00 PM Thompson, I. M., R. L. Cerri, I. H. Kim, J. E-P. Santos, and W. W. Thatcher. Dept. of Animal Sciences, University of Florida. Current status in development of a resynchronization platform to improve reproductive efficiency and evaluation of pregnancy associated glycoproteins (PAGs) as a monitor of pregnancy and embryo/fetal development in lactating dairy cows.

2:00 – 2:15 PM Cooke, R.F., J.D. Arthington, D. B. Araujo, G. C. Lamb, and A. D. Ealy. University of Florida – IFAS, Gainesville. Effects of supplementation frequency on growth, reproductive, and metabolic responses of Brahman-crossbred heifers.

BREAK 2:15 - 2:30 PM

Session 2 – Guest Lecture (Lokenga Badinga, Chair)

2:30 – 3:15 PM Mary Brown Dept. of Infectious Diseases and Pathology, University of Florida. *Mycoplasma bovis*: Lighting up the genomes.

3:15 – 3:45 PM GROUP PICTURE

Session 3 – Research Reports (Joe Kramer, Chair)

3:45 – 4:00 PM Pennington, K.A., and A.D. Ealy. Dept. of Animal Sciences, University of Florida . Uterine-derived fibroblast growth factors: do they regulate interferon-tau production during early pregnancy?

4:00 – 4:15 PM Yang Q., S. E. Johnson, and A. D. Ealy. Dept. Animal Sciences, University of Florida. Protein kinase C delta mediates fibroblast growth factor 2-induced expression of interferon-tau in bovine trophectoderm.

4:15 - 4:30 PM Cooke, F.N.T., and A.D. Ealy. Dept. of Animal Sciences, University of Florida. Facing the challenges of achieving normal post-hatching bovine embryo development in culture.

4:30 – 4:45 PM Loureiro, B., L. Bonilla, J. Block, J. Fear, A. Bonilla and P. J. Hansen Dept. of Animal Sciences, University of Florida. Effect of granulocyte-macrophage colony stimulating factor on development and post-transfer survival of bovine embryos produced in vitro using sexed semen.

4:45 – 5:00 PM Kramer, J.M., A. Evans, K. Drury, and K. Moore. Dept. of Animal Sciences and Dept. of Obstetrics and Gynecology, University of Florida. Premature chromosome condensation of bovine blastomeres using the serine/threonine phosphatase inhibitor calyculin-A.

5:00 – 5:15 PM Zhang, K., E. Hughes, and K. Moore. Dept. of Animal Sciences, University of Florida. Characterization of DNA methylation status in bovine cloned and in vitro produced embryos.

5:15 - 5:30 PM Klein, C., M. H .T Troedsson, and A.D. Ealy. Dept. of Large Animal Clinical Sciences and Dept. of Animal Sciences, University of Florida. Deciphering embryo-maternal communication in the horse – a genomic approach.

Check into Rooms

Volleyball

Cookout

Karaoke (starring Izabella Thompson and the AMCB-tones)

**Saturday morning, March 29, 2008
Cedar Cove Beach and Yacht Club**

7:45 – 8:45 AM Breakfast

Session 4 – Distinguished Lecture (Pete Hansen, Chair)

8:45 - 9:30 AM Eckhard Wolf, Lehrstuhl für Molekulare Tierzucht und Biotechnologie, Genzentrum der LMU-München. Structural, molecular and functional views on oocytes, embryos and their maternal environment.

Session 5 – Research Reports (Qien Yang, Chair)

9:30 – 9:45 AM Silva, L.A., and D. C. Sharp. Dept. of Animal Sciences, University of Florida. Role of the equine conceptus in endometrial angiogenesis and architecture.

9:45 – 10:00 AM Reed, S.A., and S.E. Johnson. Dept. of Animal Sciences, University of Florida. Optimization of culture conditions for equine umbilical cord blood derived stem cells.

10:00 – 10:15 AM Esterman, R. D., J. V. Yelich, and S. E. Johnson. Dept. of Animal Sciences, University of Florida. Investigation of myostatin gene mutations in common cattle breeds.

10:15 – 10:45 AM BREAK

Session 6 – Research Reports (Regina Esterman, Chair)

10:45 – 11:00 AM Predmore, B.L., M. J. Alendy, K.R. Olson, and D. Julian. Department of Zoology, University of Florida, Gainesville. Indiana University School of Medicine, South Bend. Inhibition of NO, K_{ATP}, and prostanoids decreases hypoxia-induced, but not H₂S-induced, contractions in rat aorta .

11:00 – 11:15 AM Hendricks, K., and P.J. Hansen. Dept. of Animal Sciences, University of Florida. Effect of preincubation of sperm at 38.5°C or 40°C before insemination on developmental competence of bovine embryos derived from in vitro fertilization.

11:15 – 11:30 AM Fear, J., and Hansen, P.J. Dept. of Animal Sciences, University of Florida. The Yin-Yang of apoptosis: developmental changes in the concentration of Bcl-2 and Bax in preimplantation bovine embryos.

11:30 – 11:45 AM Bonilla, A. Q. S., and P.J. Hansen. Dept. of Animal Sciences, University of Florida. Developmental changes in actions of insulin-like growth factor-I in the preimplantation bovine embryo – receptor expression, Akt activation and thermoprotection.

11:45 – 12:00 PM Moss, J. I., and P.J. Hansen. Dept. of Animal Sciences, University of Florida. Insulin-like growth factor-1 reduces the anti-development effects of menadione on development of bovine preimplantation embryos.

ADJOURNMENT