

## SCHEDULE

### Friday PM, April 1, 2011 Conference Center

#### Session 1, Distinguished Lecture

- 1:00-1:15 PM Lokenga Badinga, Welcoming remarks.
- 1:15-2:00 PM Kimberly Vonnahme, Department of Animal Sciences, North Dakota State University. Life before birth: how the maternal environment “programs” offspring growth and development.
- 2:00-2:30 PM BREAK

#### Session 2. Research Reports – Fertility and Embryonic Development (Sarah Fields, chair)

- 2:30 - 2:45 PM Bisinotto, R.S., Ayres, H., Carvalho, H.R., Ribeiro, E.S., Cerri, R.L.A., Greco, L.F., Lima, F.S., Favoreto, M.G., Monteiro, A.P., Perdomo, M.C., Thatcher, W.W., and Santos, J.E.P. Dept. of Animal Sciences, University of Florida, Gainesville and Faculty of Land and Food Systems, University of British Columbia, Vancouver, Canada. Effect of follicular wave and progesterone concentration during follicle growth on fertility of dairy cows.
- 2:45 – 3:00 PM Zhang, K., and Ealy, A.D. Dept. of Animal Sciences, University of Florida, Gainesville, Florida. Disruption of fibroblast growth factor receptor signaling in bovine cumulus-oocyte complexes during in vitro maturation impacts subsequent embryonic development.
- 3:00 – 3:15 PM Dobbs, K.B., and Hansen, P.J. Dept. of Animal Sciences, University of Florida, Gainesville. Regulation of expression of genes involved in epigenetic programming in the bovine morula by colony stimulating factor 2, bone morphogenic protein 4 and activin A .
- 3:15 – 3:30 PM Denicol, A.C., Dobbs, K.B., and Hansen, P.J. Dept. of Animal Sciences, University of Florida, Gainesville. Wnt signaling regulates development of bovine embryos to the blastocyst stage.
- 3:30 – 4:00 PM GROUP PICTURE

#### Session 3 – Research Reports – Environment (Leandro Greco, Chair)

- 4:00 – 4:15 PM Vasquez, M.C., Crombie, T.A., and Julian, D. Department of Animal Science and Department of Biology, University of Florida, Gainesville.

Lysosome number and size do not vary during a tidal cycle in erythrocytes of the bloodworm *Glycera dibranchiata*.

4:15 - 4:30 PM

Sakatani, M., and Hansen, P.J. Dept. of Animal Sciences, University of Florida, Gainesville and National Agricultural Research Center for Kyushu Okinawa Region, Kumamoto, Japan. Effect of physiological heat shock on development and expression of stress response genes in bovine preimplantation embryos.

4:30 – 4:45 PM

Tao, S., Thompson, I. M., Monteiro, A.P., Hayen, M.J., and Dahl, G.E. Dept. of Animal Sciences, University of Florida, Gainesville. Effect of heat stress during the dry period on insulin sensitivity of multiparous dairy cows.

5:00 – 6:00 PM

FACULTY MEETING

6:00 PM - ????

COOKOUT

**Saturday AM, April 2, 2011**  
**Conference Center**

7:00 AM - 8:30 AM Breakfast, Steinhatchee Landing Welcome Center

**Session 4 – Guest Lecture (Alan Ealy, Chair)**

8:30 - 9:15 AM Maria Belen Rabogolino, Dept. of Physiology & Functional Genomics, University of Florida. Ontogeny of global gene expression in the ovine fetal hypothalamus in late gestation.

9:15 – 9:30 AM BREAK

**Session 5 – Research Reports - Infectious Disease and Immune function (Sha Tao, Chair)**

9:30 – 9:45 AM Chow, A. and Brown, M.B., Dept of Infectious Diseases & Pathology, University of Florida, Gainesville. Mechanosensitive channel protein (MscL) in *Mycoplasma bovis*.

9:45 – 10:00 AM Perdomo, M.C., and Badinga, L. Dept. of Animal Sciences, University of Florida, Gainesville. Conjugated linoleic acid and rosiglitazone attenuate lipopolysaccharide-induced TNF- $\alpha$  production by bovine blood cells.

10:00 – 10:15 AM Lima, F.S., Bisinotto, R.S., Ribeiro, E.S., Greco, L.F., Ayres, H., Favoreto, M.G., Carvalho, M.R., Sevaroli, A.L., Galvão, K.N., Risco, C.A., Thatcher, W.W. and Santos, J.E.P. Depts. of Animal Sciences and Large Animal Clinical Sciences, University of Florida, Gainesville. Therapy and underlying mechanisms associated with uterine disease of dairy cows.

10:15 – 10:30 AM Martinez, N., Risco, C.A., Maunsell, F., Galvão, K.N., and Santos, J.E.P. Dept. of Animal Sciences and Dept. of Large Animal Clinical Sciences, University of Florida, Gainesville. Evaluation of periparturient mineral and energetic statuses and neutrophil function of dairy cows of low or high risk of developing uterine diseases.

10:30 – 11:00 AM BREAK

**Session 6 – Research Reports – Genetics/Nutrition (Kun Zhang, Chair)**

11:00 – 11:15 AM Fields, S.D., Cole, J.B., and Hansen, P.J. Dept. of Animal Sciences, University of Florida, Gainesville and USDA Animal Improvement Programs Laboratory, Beltsville, MD. Identifying genetic markers for fertility in dairy cattle.

- 11:15 – 11:30 AM Ribeiro, E.S., Monteiro, A.P.A., Bisinotto, R.S., Lima, F.S., Greco, L.F., Thatcher, W.W., and Santos, J.E.P. Dept. of Animal Sciences, University of Florida, Gainesville. Effects of anovulation and breed on conceptus development at preimplantation stages in lactating dairy cows subjected to synchronized ovulation.
- 11:30 – 11:45 AM Mercadante, P.M., Rae, D.O., Johnson, S.E., Ealy, A.D. Depts. of Animal Sciences and Large Animal Clinical Sciences, University of Florida, Gainesville. Effects of *Bos indicus* breeding on plasma pregnancy-associated glycoprotein (PAG) concentrations and fetus size in early gestation.
- 11:45 – 12:00 PM Greco, L.F., Garcia, M., Bisinotto, R.S., Ribeiro, E.S., Favoreto, M.G., Marsola, R.S., Martins, L.T., Loureiro, B., Lima, F.S., Thatcher, W.W., Staples, C.R., and Santos, J.E.P. Dept. of Animal Sciences, University of Florida, Gainesville. Effect of fatty acid supplementation to dairy cows fed diets containing low concentrations of fatty acids on follicular fluid composition and embryo quality.

ADJOURNMENT