

## SCHEDULE

**Friday PM, April 2, 2010**

**Whitney Laboratory**

**Sable Room**

### **Session 1, Distinguished Lecture**

- 1:00-1:15 PM          Lokenga Badinga, Welcoming remarks.
- 1:15-2:00 PM          Marc-André Sirard, Centre de Recherche en Biologie de la Reproduction, Laval University, Quebec. Omic's and physiology in animal reproduction.
- 2:00-2:30 PM          BREAK

### **Session 2. Research Reports (Justin Fear, chair)**

- 2:30 - 2:45 PM          Fields, S.D., Hansen, P.J., and Ealy, A.D. T Dept. of Animal Sciences, University of Florida. The importance of fibroblast growth factors on bovine embryo development *in vitro*.
- 2:45 – 3:00 PM          Yang, Q., Fields, S.D., Johnson, Zhang, K., Ozawa, M., Johnson, S.E., and Ealy, A.D. Dept. of Animal Sciences, University of Florida. FGF2 promotes primitive endoderm development in bovine blastocysts.
- 3:00 – 3:15 PM          Ozawa, M., and Ealy, A.D. Dept. of Animal Sciences, University of Florida. Expression profiling of fibroblast growth factor receptors (FGFRs) and FGF4, and their roles during pre- and peri-implantation embryonic development in the bovine.
- 3:15 – 3:30 PM          Zhang, K., Hansen, P.J., and Ealy A.D. Dept. of Animal Sciences, University of Florida. Fibroblast growth factor 10 enhances bovine oocyte maturation and developmental competence *in vitro*.
- 3:30 – 4:00 PM          GROUP PICTURE

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

- 4:00 – 4:15 PM          Loureiro, B., Oliveira, L., and Hansen, P.J. Dept. of Animal Sciences, University of Florida. Changes in the transcriptome of the bovine preimplantation embryo induced by colony-stimulating factor-2
- 4:15 - 4:30 PM          Bonilla, A.Q.S., Ozawa, M., and Hansen, P.J. Dept. of Animal Sciences, University of Florida. Actions of insulin-like growth factor I to increase development of bovine embryos to the blastocyst stage.

4:30 – 4:45 PM Kramer, J.M. and Drury, K.C. Dept. of Animal Sciences and Div. of Reproductive Endocrinology and Infertility, Dept. of Obstetrics and Gynecology, University of Florida. Complex protein supplementation improves post-thaw re-expansion and implantation of blastocysts.

4:45 – 5:00 PM BREAK

**Session 4 – Research Reports (Kun Zhang, Chair)**

5:00 – 5:15 PM Vasquez, C.M., Gravois, L., and Julian, D. Dept. of Biology, University of Florida. Lysosomal autophagy as a response to anoxia stress in the mudflat polychaete *Glycera dibranciata*.

5:15 - 5:30 PM Tao, S., Bubolz, J.W., do Amaral, B.C., Hayen, M.J., Johnson, S.E., and Dahl, G. E. Dept. of Animal Sciences, University of Florida. Effect of heat stress during the dry period on mammary gland development of dairy cattle.

5:30 – 5:45 PM Fear, J.M. and Hansen, P.J. Dept. of Animal Sciences, University of Florida. Developmental regulation of apoptosis in preimplantation bovine embryos.

**COOKOUT  
CHECK INTO THE HOTEL**



## Saturday AM, April 3, 2010

7:30 – 8:00 AM Breakfast

### Session 5 – Guest Lecture (Alan Ealy, Chair)

8:00 - 8:45 AM Kimberly E. Kraus-Epley, Whitney Laboratory for Marine Bioscience, University of Florida. What can a 'lazy' fish teach us about synaptogenesis?

8:45 – 9:15 AM BREAK

### Session 6 – Research Reports (Belen Rabaglino, Chair)

9:15 – 9:30 AM Esterman, R.D., Austin, B.R., Woodall, S.A., McKinniss, E.M., and Yelich, J.V. Dept. of Animal Sciences, University of Florida. Effect of day of the estrous cycle at the initiation of a CIDR protocol on ovulation rates and subsequent follicle development in *Bos taurus* and *Bos indicus* x *Bos taurus* cows.

9:30 – 9:45 AM Araujo, D.B., Lopes, C.N., Vasconcelos, J.L.M., and Santos, J.E.P. University of Florida, Gainesville, and São Paulo State University, Botucatu, Brazil. Effects of calcium salts of polyunsaturated fatty acids supplementation on reproductive function of Nellore cows in Brazil.

9:45 – 10:00 AM Greco, L.F. Garcia, M., Favoreto, M.G. Marsola, R.S., Martins, L.T., Bisinotto, R.S., Ribeiro, E.S., Lima, F.S., Thatcher, W.W., Staples, C.R., and Santos, J.E.P. Dept. of Animal Sciences and Dept. of Large Animal Clinical Sciences, University of Florida. Fatty acid supplementation to periparturient dairy cows fed diets containing low amounts of fatty acids.

10:00 – 10:15 AM Bisinotto, R.S. Ribeiro, E.S., Greco, L.F., Lima, F.S., Favoreto, M.G., Ayres, H., Carvalho, M.R., Monteiro, A.P., Perdomo, M.C., Cerri, R.L.A., Risco, C.A., Thatcher, W.W., and Santos, J.E.P. Dept. of Animal Sciences and Dept. of Large Animal Clinical Sciences, University of Florida. Effect of follicular wave and concentration of progesterone during follicular growth on gene expression associated with conceptus development in dairy cows.

10:15 – 10:45 AM BREAK

### Session 7 – Research Reports (Christina Vasquez, Chair)

10:45 – 11:00 AM 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. University of Florida, Gainesville and

Chungbuk National University, South Korea. Effects of lactation on endometrial gene expression in Holstein dairy cows.

- 11:00 – 11:15 AM Thompson, I.M., Bubolz, J., Ozawa, M., Yang, Q.E., and Dahl, D.E. Dept. of Animal Sciences, University of Florida, Gainesville. Bovine luteal prolactin receptor expression: potential involvement in regulation of progesterone during the estrous cycle and pregnancy.
- 11:15 – 11:30 AM Pennington, K.A., Yang, Q.E., and Ealy, A.D. Dept. of Animal Sciences, University of Florida. Candidate gene expression in bovine binucleated trophoctoderm and changes in expression profiles after culture.
- 11:30 – 11:45 AM Rabaglino, M.B., Sumners, E., Denslow, N., and Wood, C.E.. Dept. of Physiology and Functional Genomics and Dept. of Physiological Sciences, University of Florida. Microarray analysis of the genetic expression profile in ovine fetuses at the end of gestation.

ADJOURNMENT