

SCHEDULE OF EVENTS

FRIDAY, MARCH 30

2:00 PM Alan Ealy
 Welcome, introductory comments

Session 1: The Environment (Holiday Isle – Pelican North)
Kyle Dobbs, Chair

2:15 PM Dale Kelley, Animal Sciences
 Pharmacokinetics of 1% oral L-arginine supplementation in mares

2:30 PM Leandro Greco, Animal Sciences
 Effects of dietary fatty acids on production, reproduction, tissue composition, and hepatic gene expression in lactating dairy cows

2:45 PM Christina Vasquez, Biology
 *Synergistic effects of osmotic, thermal and hypoxia stress on embryo development in the horseshoe crab, *Limulus polyphemus**

3:00 PM Sha Tao, Animal Sciences
 Effect of late gestation maternal heat stress on growth and immune function of dairy calves

3:15 PM UF Guest Presenter
 Tara Sabo-Attwood, PhD, Associate Professor, Department of Environmental and Global Health, College of Public Health and Health Professions, University of Florida
 Title

4:00-6:30 PM Break, Room check-in, Free time

Session 2: Whitney Laboratory for Marine Bioscience

6:30-8:00 Poster Session

7:30-??? The Hansen/Moss BBQ

Posters:

Julia Baldrighi, Animal Sciences

The effect of dry period heat stress on oocyte development in the subsequent lactation of Holstein cows

Raquel Caserta, Horticultural Sciences

Obtention of Genetic Transgenic Model Plants - a possible tool in the study of plant pathogen interaction"

Eileen Chang, Physiology & Functional Genomics

Ketamine decreases plasma adrenocorticotrophic hormone (ACTH) levels in late gestation fetuses exposed to global acute hypoxic hypoxia (HH)

Renan Di Giovanni Isola, Animal Sciences

The temporal and spatial expression of Pax7 during primary myogenesis in the bovine embryo

Miriam Garcia, Animal Sciences

Fatty acid profile and global gene expression in liver of calves supplemented with linoleic acid

Fabio Lima, Animal Sciences

Modification of the 5-d timed artificial insemination (AI) protocol to optimize fertility in dairy heifers

Paula Morelli-Mercadante, Animal Sciences

Influence of Bos indicus genetics on pregnancy-associated glycoproteins (PAGs) and their association with fetal development

Vitor Mercadante, Animal Sciences

Effects of anti-phospholipase A2 antibody (aPLA2) supplementation on DMI, feed efficiency and blood differentials of steers fed forage and grain-based diets

Manhwan Oh, Animal Sciences/Emerging Pathogens Institute

A whole genome DNA sequencing reveals genetic traits that affect survival and persistence of Escherichia coli O157:H7 in cattle

Ignacio Rodriguez-Jorquera, Soil and Water Sciences

What fish gene expression tells us about urban water pollution

Won-Sik Yeo, Animal Sciences/Emerging Pathogens Institute

A study of effector proteins secreted by enterohemorrhagic Escherichia coli O157:H7

SATURDAY, MARCH 31

Breakfast: Holiday Isle - Pelican South

7:30-8:30 AM Breakfast

Session 3: Immunology and the Environment (Pelican North)

Anna Denicol, Chair

9:00 AM Candace Lavelle, Center for Environmental & Human Toxicology
Uptake of quantum dots in fathead minnows, Pimephales promelas, ovarian explant cultures

9:15 AM Soojin Jeon, Animal Sciences/Emerging Pathogens Institute
Understanding factors that modulate prevalence of Escherichia coli O157:H7 in cattle

9:30 AM Georgia Hinkley, Center for Environmental & Human Toxicology
Oral bioavailability of 22nm gold nanoparticles in mice and the effect of PEG surface coating on gastrointestinal absorption

9:45 AM Reyna Colli-Dula, Center for Environmental & Human Toxicology
Effects in biological responses and changes in gene expression in the liver of female largemouth bass (Micropterus salmoides) by dietary exposures of EE2

10:00-10:30 AM Break – Refreshments available in Pelican South

Session 4: 2012 AMCB Distinguished Lecturer Presentation (Pelican North)

Dr. Peter J. Hansen, Chair

10:30 PM Rocio M. Rivera, PhD, Assistant Professor, Division of Animal Sciences, University of Missouri
ART and age alter the epigenetic program of oocytes, pre- and post-implantation embryos in mammals

11:30 AM-12:30 PM Lunch: Pelican South

Session 5: Molecular Development (Pelican North)

Sha Tao, Chair

- 1:00 PM Kyle Dobbs, Animal Sciences
Effect of treatment of bovine blastocysts with colony stimulating factor 2 during the morula-blastocyst stages of development on growth and gene expression of trophectoderm outgrowths
- 1:15 PM Anna Denicol, Animal Sciences
Regulation of embryonic development to the blastocyst stage by canonical WNT signaling
- 1:30 PM Ashley Grapes, Physiology & Functional Genomics
The genomics of estrogen sulfoconjugation and cellular estrogen action in the late-gestation fetus
- 1:45 PM Maria Belen Rabaglino, Physiology & Functional Genomics
Microarray analysis of gene expression in the ovine fetal cerebral cortex ontogeny in late gestation suggests the development of tolerogenic myeloid-derived cells in the cortex
- 2:00 PM Eduardo Ribeiro, Animal Sciences
Conceptus development and global gene expression at preimplantation stages in lactating dairy cows of distinct genetic groups and estrous cyclic statuses
- 2:15 PM James Moss, Animal Sciences
Involvement of free cholesterol and high-density lipoprotein in development and resistance of the preimplantation bovine embryo to heat shock
- 2:30 PM Cody Smith, Center for Environment & Human Toxicology
Differential recruitment of estrogen receptor co-activators by xenoestrogens
- 2:45-3:15 PM Break: Refreshments available in Pelican South

Session 6: Physiology and Fertility (Pelican North)

Dale Kelley, Chair

- 3:15 Rafeal Bisinotto, Animal Sciences
Effects of follicular wave and progesterone concentration during follicle growth on conceptus global gene expression in dairy cows
- 3:30 Sarah Fields, Animal Sciences

Relationship between a bull's genetic merit for daughter pregnancy rate and in vitro fertilizing ability and embryonic development

- 3:45 Natalia Martinez, Animal Sciences
Associations among subclinical hypocalcemia, neutrophil function, and incidence of uterine disease in dairy cows of low or high risk of developing metritis
- 4:00 Closing remarks, Alan Ealy

Late Afternoon and Evening Events:

- 4:30-5:30 PM Faculty meeting: Location TBA
- 4:30-6:30 PM Free Time for students, staff and postdocs
- 6:30-9:00 PM Dinner and Social: Poolside @ Holiday Isle