



**IV International Symposium on
Animal Biology of Reproduction
(ISABR 2012)**

**Focus: Environment and
Reproduction**

October 17-20, 2012, Campinas, SP, Brazil

Scientific Program

October 17, 2012 - Wednesday

14:00 to 18:00: **Welcome desk open**

19:00 to 20:00: **Opening ceremony. Keynote lecture and tribute to:**

Dr. Gary J. Killian (USDA and The Pennsylvania State University, USA)

Lecture: Fertility-associated proteins in male and female reproductive fluids.

October 18, 2012 - Thursday

08:00 to 18:00: **Welcome desk open**

• **Session I: Female**

08:30 to 09:15

Frontiers in Reproduction

Dr. José Ricardo Figueiredo (Universidade Estadual do Ceará, Fortaleza, CE)

Lecture: Advances in goat artificial ovary.

09:15 to 10:00

Dr. Eduardo L. Gastal (Southern Illinois University, USA)

Lecture: Equine preantral follicles: ultrasound-guided Biopsy Pick-Up method to harvest ovarian tissue for in vitro processing, evaluation and culture.

10:00 to 10:30: **Coffee break**

10:30 to 11:15

Dr. Mario Binelli (University of São Paulo, Brazil)

Lecture: Probing the uterine microenvironment through Systems Biology approaches.

11:15 to 12:00

Dr. Tony Hayes (University of Guelph, Canada)

Lecture: Protein and gene expression alterations during success and failure of early pregnancy in mares.

12:00 to 14:00: **Lunch break**

• **Session II: Male**

14:00 to 14:45

Dr. Cathryn Hogarth (Washington State University, USA)

Lecture: Synchronizing spermatogenesis using WIN 18,446.

14:45 to 15:30: **The Lonnie Russell Lecture**

Dr. Rex Hess (University of Illinois, USA)

Lecture: Morphology shines a bright light on mechanisms of testicular toxicity: a tribute to Lonnie Russell.

15:30 to 16:00: **Coffee break**

16:00 to 17:00: **Oral presentations - Session I**

- *Bovine embryos cultured in vitro in the presence of antioxidants: implications for blastocysts development quality and cryotolerance - Rocha NAS, Leão BCS, Nogueira É, Mingoti GZ.*
- *Heat shock protein 70 messenger RNA is present in ejaculated sperm from hairy rams - Lima-Souza A, Souza CEA, Costa JH, Moura AAA.*
- *Effect of nitrenergic system on the in vitro culture of bovine embryos - Santana PPB, Costa NN, Silva TV, Silva BB, Araújo CLA, Cordeiro MS, Santos SSD, Ohashi OM, Miranda MS.*
- *Evaluation of the establishment of full spermatogenesis from testis tissue and testis cell suspensions from the Collared peccary (*Tayassu tajacu*) ectopically xenografted in immunodeficient mice - Campos-Junior PHA, Costa GMJ, Lacerda SMSN, Avelar GF, Guimarães DAA, Kahwage PR, França LR.*

17:00 to 18:40: **Poster Session I**

October 19, 2012 - Friday

08:00 to 18:00 - **Welcome desk open**

• **Session III: Male**

08:30 to 09:15

Dr. Maria Christina W. de Avellar (Federal University of São Paulo, Brazil)

Lecture: Unraveling beta-defensins expression in the epididymis: are their roles beyond host defense.

09:15 to 10:00

Dr. Hernandes F. Carvalho (State University of Campinas, Brazil)

Lecture: Searching the killer: new factors contributing to the deletion or prostate epithelial cells.



10:00 to 10:30: **Coffee break**

10:30 to 11:30: **Oral presentations - Session II**

- *The periovulatory endocrine milieu alters the expression of immune response-related genes in bovine endometrium on day 7 post-estrus* - Mesquita FS, Binelli M.
- *Fecal sex steroids in rats exposed to Di(2-ethylhexyl) phthalate (DEHP): a longitudinal noninvasive approach to monitor hormonal status in experimental studies* - Clemente TC, Godói KEP, Pinto LA, Nihi F, Gomes C, Spercoski KM, Meyer KB, Martino-Andrade AJ, Morais RN.
- *Regulation of fibroblast growth factor 18 (FGF18) and its effect on bovine granulosa cell viability* - Portela VM, Zamberlam GO, Zuelow S, Price CA.
- *Evaluation of equine spermatogonial stem cell viability after cryopreservation* - Costa GMJ, Avelar GF, Lacerda SMSN, Campos-Júnior PHA, Rezende-Neto JV, Martins FGP, França LR.

11:30 to 12:15:

Dr. Niels E. Skakkebaek (University Department of Growth & Reproduction, Copenhagen, Denmark)
Lecture: Adverse trends in male reproductive health problems and decreasing fertility rates.

12:15 to 14:00: **Lunch break**

- **Session IV: Female**

14:00 to 14:45: **The Outstanding Latin American Lecture.**

Dr. Daniel F. Salamone (University of Buenos Aires, Argentina)
Lecture: Transgenesis in farm animals.

14:45 to 15:30:

Dr. Jo Leroy (University of Antwerp, Belgium)
Lecture: Maternal environment and oocyte and embryo quality.

15:30 to 16:00: **Coffee break**

16:00 to 17:00:

Dr. Kimberly Vonnahme (North Dakota State University, USA)

Lecture: How the maternal environment impacts fetal and placental development: implications for livestock production.

17:00 to 18:40: **Poster Session II**

October 20, 2012 - Saturday

08:00 to 12:00 - **Welcome desk open**

- **Session V: Macro topics**

08:30 to 09:15

Dr. Luiz Renato de França (Federal University of Minas Gerais, Brazil)

Lecture: Spermatogonial stem cells physiology, niche and transplantation in fish.

09:15 to 10:00

Dr. Budhan Pukazhenth (Smithsonian Conservation Biology Institute, USA)

Lecture: Integrating science and animal management in conservation of endangered species.

10:00 to 10:30: **Coffee break**

10:30 to 11:15:

Dr. Puttaswamy Manjunath (University of Montreal, Canada)

Lecture: New insights into the understanding of the mechanism of sperm protection by extender components.

11:15 to 12:00

Dr. Stephen Krawetz (Wayne State University)

Lecture: The secret life of sperm from chromatin to expression.

12:00 to 12:30: **Closing Ceremony**

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