



## V International Symposium on Animal Biology of Reproduction (ISABR 2014)

**Focus: Fertility - from gametogenesis to embryo development**

**October 8-11, 2014, Campinas, SP, Brazil**

### Scientific Program

#### October 8, 2014 - Wednesday

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

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

**Dr. Rex A. Hess** (University of Illinois, Urbana, IL, USA)

*Lecture: Small tubules, surprising discoveries: from efferent ductules in the turkey to the discovery that estrogen receptor alpha is essential for fertility in the male.*

#### October 9, 2014 - Thursday

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

- **Session I: Development**

08:30 to 09:15

**Dr. Gustavo Manuel Somoza** (Laboratorio de Ictiofisiología y Acuicultura, IIB-INTECH, Chascomús, Bs As, Argentina)

*Lecture: Sex determination in teleost fish cortisol and androgens are involved in the masculinization process.*

09:15 to 10:00

**Dr. Paul S. Cooke** (Department of Physiological Sciences, College of Veterinary Medicine, University of Florida, Gainesville, FL, USA)

*Lecture: Role of estrogen and progesterone receptors in early uterine development.*

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

10:30 to 11:15

**Dr. Marie-Claude Hofmann** (UT MD Anderson Cancer Center, Houston, TX, USA)

*Lecture: Regulation of germ line stem cell homeostasis.*

11:15 to 12:00

**Dr. Susana Chuva de Sousa Lopes** (Leiden University Medical Center, The Netherlands)

*Lecture: Current status of in vitro differentiation of stem cells into gamete.*

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

- **Session II: Epigenetics**

14:00 to 14:45

**Dr. Pablo Juan Ross** (College of Biological Sciences, University of California, Davis, CA, USA)

*Lecture: Transcriptional and epigenetic remodeling during embryonic genome activation.*

14:45 to 15:30 - **Frontiers in Reproduction**

**Dr. Sarah Kimmins** (Reproduction and Development Departments of Animal Science, and Pharmacology and McGill University, Montreal, QB, Canada)

*Lecture: The paternal sperm epigenome: implications for development and disease.*

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

16:00 to 17:00: **Oral presentations - Session I (Papers 1-4)**

- *Lentivirus-mediated in vitro gene transfer into Nile tilapia spermatogonial stem cells - S.M.S.N. Lacerda, F.M.P. Tonelli, M.A. Silva, G.M.J. Costa, T.C.A.S. Bicalho, R.R. Resende, L.R. França.*

- *Influence of cyclic AMP and PKA on modulation of gene expression, ERK1/2 and AKT phosphorylation by FSH, in rat Sertoli cells - A.R. Nascimento, T.F.G. Lucas, C.S. Porto, M.F.M. Lazari.*

- *Survival of domestic cat oocytes within ovarian cortex after prolonged storage and vitrification - J.L.A. Martins, M.D. Lopes, K. Jewgenow.*

- *The effect of astaxanthin on oxidative status of bovine oocytes submitted to heat shock - J. Ispada, P.H.B. Risolia, D.R. Gonçalves, T.A. Rodrigues, M. Nichi, D. Rettori, F.F. Paula-Lopes.*

17:00 to 18:30: **Poster Session I**

#### October 10, 2014 - Friday

08:00 to 18:00 - Welcome desk open

- **Session III: Endocrine Disruptors and Human Fertility**

08:30 to 09:15

**Dr. Bernard Jégou** (Campus de Beaulieu, Université de Rennes I, Rennes, France)

*Lecture: Concordance of the toxicity of endocrine disruptors in humans and in animals.*

09:15 to 10:00 - **The Lonnie Russell Lecture**

**Dr. Richard M Sharpe** (The University of Edinburgh, Edinburgh, UK)

*Lecture: Determinants of adult male reproductive health - it's all in the womb.*

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



10:30 to 11:15

**Dr. Niels Joergensen** (University Department of Growth and Reproduction, National University Hospital, Copenhagen, Denmark)

*Lecture: Testicular function of normal European men - A matter of concern.*

11:15 to 12:00 - **The Outstanding Latin American Lecture.**

**Dr. Sandro Esteves** (ANDROFERT - Andrology & Human Reproduction Clinic, Campinas, SP, Brazil)

*Lecture: Testicular failure in humans: current management and future perspectives.*

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

• **Session IV: Gamete Physiology**

14:00 to 14:45:

**Dr. Rudiger W. Schulz** (Utrecht University, Science Faculty, Utrecht, The Netherlands)

*Lecture: Endocrine and paracrine regulation of zebrafish spermatogenesis: the Sertoli cell perspective.*

14:45 to 15:30:

**Dr. Robert Sullivan** (Department of Obstetrics, Gynecology and Reproduction, Université Laval, Quebec, QB, Canada)

*Lecture: The sperm journey in the excurrent duct: functions of microvesicles in sperm maturation and in gene expression along the epididymis.*

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

16:00 to 17:00: **Oral presentations - Session II (Papers 5-8)**

- *Differential expression of several key testis marker genes in iNOS deficient mice during perinatal development and in adulthood - N.L.M. Lara, S.M.S.N. Lacerda, C.F.A. Oliveira, R.R. Resende, R.M. Sharpe, L.R. França.*
- *Effect of BSP1 (Binder of Sperm Protein-1) addition into fertilization media on in vitro production of bovine embryos - P. Rodríguez-Villamil, V. Hoyos Marulanda, L.H. Aguiar, A.N. Oliveira, M.F. Van Tilburg, M. Bertolini, A.A. Moura.*

- *Effect of the vitamin E-analog Trolox on ovarian tissue autograft of the squirrel monkey (Saimiri collinsi) - S.R.R.A. Scalercio, D.C.C. Brito, S.F.S. Domingues, C.A. Amorim, R.R. Santos.*

- *The parental age affects the sex ratio of the offspring in horses - M.M. Santos, D.M. Nobre, J.F. Oliveira Neto, T.R. Garcia, M.C.G.R. Lage, M.I.V. Melo, G.R. Valle.*

17:00 to 18:30: **Poster Session II**

**October 11, 2014 - Saturday**

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

• **Session V: Macro topics**

08:30 to 09:15

**Dr. Pierre Comizzoli** (Smithsonian Conservatin Biology Institute, USA)

*Lecture: Non-Traditional Animal Models for Advancing Fertility Preservation Studies in Humans.*

09:15 to 10:00

**Dr. Johan Smitz** (University of Brussels, Brussels, Belgium)

*Lecture: In vitro maturation of oocytes from small follicles, a field for active research interaction between veterinary and human reproductive medicine.*

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

10:30 to 11:15:

**Dr. Ina Dobrinski** (University of Calgary, Faculty of Veterinary Medicine, Calgary, AB, Canada)

*Lecture: Germ line modification in domestic animals.*

11:15 to 12:00

**Dr. Jannette M. Dufour** (Department of Cell Biology and Biochemistry, Texas Tech University Health Sciences Center, Lubbock, TX, USA)

*Lecture: Therapeutic and immunoregulatory potential of Sertoli cells.*

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



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