



**VI International Symposium on
Animal Biology of Reproduction
(ISABR 2016)**

Focus: Gametes versus uterine
environment

November 6th to 9th, 2016,
Campos do Jordão, SP, Brazil

Scientific Program

November 6, 2016 - Sunday

14:00 to 17:00: Welcome desk open at Convention Center

17:00 to 20:40: Sunset Opening ceremony. Keynote
lecture and tribute to:

Dr. Fuller Bazer (Texas A&M University, College
Station, TX, USA)

*Lecture 1: Pregnancy Recognition Signals in Mammals:
The Roles of Interferons and Estrogens*

18:30 to 19:30: Open Ceremony and Keynote lecture

19:30 to 20:40: Musical Performance of Orchestra
Campos do Jordão followed by Cocktail and finger food

November 7, 2016 - Monday

08:00 to 18:30: Welcome desk open

• **Session I: Oocytes development**

09:00 to 09:45

Dr. Pierre Comizzoli (Smithsonian Conservation
Biology Institute, USA)

*Lecture 2: Biobanking and fertility preservation in rare
and endangered species*

09:45 to 10:30

Dr. Fulvio Gandolfi (University of Milan, Department
of Agricultural and Environmental Sciences)

*Lecture 3: The transcriptome blueprint of a competent
oocyte*

10:30 to 11:15

Dr. Pietro Baruselli (Faculty of Veterinary Medicine
and Animal Science, University of São Paulo)

*Lecture 4: Ovary environment and tools for
biotechnology increment of animal reproduction*

11:15 to 12:00

Dr. William H Velander (College of Engineering
Distinguished Scholar Fellow. Department of Chemical
and Biomolecular Engineering, University of Nebraska,
Lincoln Lincoln, Nebraska)

*Lecture 5: Genetically Engineered Livestock: Bringing
21st Century Medicines to the Developing World"*

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

• **Session II: Cell Reprogramming**

14:00 to 14:45

Dr. Pasqualino Loi (Faculty of Veterinary Medicine,
University of Teramo, Teramo, Italy)

*Lecture 6: Alternative strategies for nuclear
reprogramming in Somatic Cell Nuclear transfer (SCNT).*

14:45 to 15:30

Dr. Tiziana A.L. Brevini (University of Milan,
Department of Health, Animal Science and Food Safety)

*Lecture 7: Mountain high and valley deep: epigenetic
controls of pluripotency and cell fate*

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

16:00 to 17:20: **Oral presentations - Session I (Papers
related abstract: 1-4)**

16:00 to 16:20: **Dr. Andrea Mess** (Faculty of
Veterinary Medicine and Animal Science, University of
São Paulo, São Paulo, Brazil)

*Vascularization and VEGF expression in bovine yolk
sacs: impact of reproductive techniques*

16:20 to 16:40: **Dr. Priscila Bessa Santana**
(Laboratory of in vitro fertilization, Institute of
Biological Science, Federal University of Para, Belém,
PA, Brazil)

*Transcriptomic analyses of buffalo oocytes and
blastocysts using RNAseq*

16:40 to 17:00: **Dr. Fernanda Paulini** (Universidade de
Brasília, Instituto de Ciências Biológicas, Departamento
de Ciências Fisiológicas, Brasília, DF, Brazil)

*Ovarian Function Restoration in Fresh and
Cryopreserved Cat Ovarian Tissue Autografted to
Subcutaneous Tissue*

17:00 to 17:20: **Dr. Ivan Cunha Bustamante-Filho**
(Laboratory of Biotechnology, UNIVATES, Lajeado,
RS, Brazil)

*Deep impact: effect of GnRH immunization in the
epididymal proteome*

17:30 to 18:30: **Poster Session** (Prize for better
presentation by company and invitation to publish in AR)

November 8, 2016 - Tuesday

08:30 to 18:30: Welcome desk open

• **Session III: Male gametes**

09:00 to 09:45

Dr. Marc Yeste (Nuffield Department of Obstetrics and
Gynaecology, University of Oxford, Oxford, United
Kingdom)

*Lecture 8: State-of-the-art of boar sperm preservation
in liquid and frozen state*

09:45 to 10:30 - The Lonnie Russell Lecture

Dr. Dirk de Rooij (Department of Cell Biology,
University Medical Center Utrecht, Utrecht,
Netherlands)

*Lecture 9: New developments in the spermatogonial
stem cell field*

10:30 to 11:15

Dr. Diana J. Laird (Departments of OB/Gyn and Urology, Center for Reproductive Sciences, and the Eli and Edythe Broad Center for Regeneration Medicine and Stem Cell Research, University of California, San Francisco, San Francisco, CA, USA)

Lecture 10: Nonrandom germ cell apoptosis in the mouse fetal testes

11:15 to 12:00 - The Outstanding Latin American Lecture
Dr. Marcelo Bertolini (Department of Reproduction, UFRGS, Porto Alegre, Brazil)

Lecture 11: Probability, odds and random chance: the difficult task of modulating the epigenetic profile of cloned embryos

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

- **Session IV: Uterine Environment**

14:00 to 14:45

Dr. Anthony M. Carter (Cardiovascular and Renal Research, Institute of Molecular Medicine, University of Southern Denmark, Odense, Denmark)

Lecture 12: The evolution of fetal membranes and placentation in carnivores and ungulates (Ferungulata)

14:45 to 15:30

Dr. Jean-Paul Concordet, Institut Cochin, INSERM, Paris

Lecture 13: Producing genetically modified animal models in the CRISPR-Cas9 era

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

16:00 to 17:20: **Oral presentations - Session II (Papers related abstract: 5-8)**

16:00 to 16:20: **Dr. Luciana Relly Bertolini** (Molecular and Developmental Biology Lab, University of Fortaleza (UNIFOR), Fortaleza, CE, Brazil)

Site-directed transgene insertion with CRISPR/Cas9 in somatic cells for the generation of human lactoferrin transgenic goats by SCNT

16:20 to 16:40: **Dr. Alexandre Rodrigues Silva** (Laboratory of Animal Germplasm Conservation, UFERSA, Mossoró, RN, Brazil)

Estrous Synchronization Followed by Artificial Insemination in Collared Peccaries (Pecari tajacu) - The First Attempt

16:40 to 17:00: **Dr. Denise Damasceno Guerreiro** (Laboratory of Manipulation of Oocytes and Preantral Follicles, Faculty of Veterinary, State University of Ceará, Fortaleza, CE, Brazil)

Small interfering RNA-mediated knockdown of aquaporin 3 and reduces antrum formation of sheep secondary follicles cultured in vitro

17:00 to 17:20: **Dr. Mariana Andrade Torres** (Swine Research Center, School of Veterinary Medicine and Animal Science, University of São Paulo, Pirassununga, SP, Brazil)

High concentrations of resveratrol in boar insemination doses is harmful to total motility, plasma and acrosomal membranes integrity and mitochondrial membrane potential

17:20 to 18:30: **Poster Session** (Prize for better presentation by company and invitation to publish in AR)

November 09, 2016 - Wednesday

08:00 to 12:00: Welcome desk open

- **Session V: Macro topics**

08:30 to 09:15

Dr. Fernando Juan Peña Vega (European College of Animal Reproduction), Laboratory of Equine Reproduction, Department of Medicine, Faculty of Veterinary Medicine, University of Extremadura, Cáceres, Spain

Lecture 14: Advances in flow cytometry in basic and applied equine andrology

09:15 to 10:00: SOLARA LECTURE:

Dr. Cristina Gobello (Facultad de Ciencias Veterinarias de la Universidad Nacional de La Plata, La Plata, Argentina)

Lecture 15: Is endocrine disruption a feasible approach for domestic carnivores contraception?

10:00 to 12:00

Closing Ceremony: Round table: Reproductions Journals state of art

Chairs: **Prof. Rodrigo Costa Mattos** and **Profa. Maria Angelica Miglino**

Presenting: **Dr. Fulvio Gandolfi** and **Dr. Anthony Carter**

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