

IETS Annual Conference 2011

Wyndham Orlando Resort, Orlando, Florida

Program Co- Chairs: Eckhard Wolf and Ciro Barros

“Reproductive Biotechnology at the Interface between Animal Agriculture and Biomedical Research”

Thursday, January 6, 2011

10:00 - 18:00 IETS Board of Governors Meeting

Friday, January 7, 2011

9:00 - 17:00 IETS Board of Governors Meeting

9:00 – 18:00 Health and Safety Advisory Committee (HASAC) – Research Subcommittee

16:00 - 19:00 Registration

Saturday, January 8, 2011

7:00 - 18:00 Registration

8:00 – 17:00 Pre-Conference Symposium – Advances in Bovine Reproduction and Embryo Technology

9:00 – 12:00 Health and Safety Advisory Committee (HASAC) – Regulatory Subcommittee

13:00 - 17:00 IETS Foundation Board of Trustees Meeting

13:00 – 18:00 2nd DABE Workshop: Plasticity, Fate Control and Therapeutic Safety of Stem Cells

11:00 - 18:00 Poster Setup

11:00 - 18:00 Commercial Exhibit Setup

14:00 – 17:00 Health and Safety Advisory Committee (HASAC) – Food Safety Subcommittee

17:00 - 18:00 IETS Student Group (The Morulas) Meet and Greet

Sunday, January 9, 2011

6:30 – 8:00 Poster Setup

7:30 - 8:30 Past President’s Breakfast

7:30 - 8:30 Student Competition Breakfast with Foundation Education Committee

7:00 - 18:00 Registration

8:00 - 17:00 Commercial Exhibition

8:30 - 9:30 IETS Foundation Education Committee

- 8:45 - 9:00 Opening and Welcome (E. Wolf and C. Barros)
- 9:00 - 10:30 Session I – Follicular Reserve
- 9:00 – 9:45 **Does Size Matter in Females?**
James J. Ireland, Michigan State University
- 9:45 – 10: 30 ***In Vitro* and *In Vivo* Control of Follicle Formation and Activation in Cattle**
Joanne E. Fortune, Cornell University
- 10:30 - 11:00 Refreshment Break/Exhibition
- 11:00 - 12:30 IETS Foundation Student Competition Presentations
- 12:30 - 14:00 Lunch Break
- 12:30 - 14:00 IETS Board Luncheon with Affiliate Society Representatives
- 12:30 - 14:00 Health and Safety Advisory Committee (HASAC) - Forms & Certificates Subcommittee
- 14:00 - 15:30 Session II: Growth Factor and Follicular Development
- 14:00 – 14:45 **Recent Insights into Oocyte-Follicle Cell Interactions Provide Opportunities for the Development of New Approaches to IVM**
Robert B. Gilchrist, University of Adelaide
- 14:45 – 15:30 **Follicular Somatic Cell Factors and Follicle Development**
José Buratini, Jr., São Paulo State University
- 15:30 - 16:00 Refreshment Break/Exhibition
- 16:00 - 17:30 Session III: Recent Advances in *In Vivo* and *In Vitro* Cryopreservation
- 16:00 – 16:45 **Cryopreservation and *In Vitro* Culture of Caprine Preantral Follicles**
José R. de Figueiredo, LAMOFOPA
- 16:45 – 17:30 **Cells under Pressure: How Sublethal Hydrostatic Pressure – Stress Treatment Increases Gametes’ and Embryos’ Performance?**
Csaba Pribenszky, Szent Istvan University
- 17:30 – 18:00 **Short presentations from submitted abstracts**
- 18:00 - 20:00 Health and Safety Advisory Committee (HASAC) Open Meeting
- 20:00 Welcome Reception

Monday, January 10, 2011

- 7:30 - 16:00 Registration
- 8:00 - 18:00 Commercial Exhibits
- 8:00 - 17:00 A/V Library/Speaker Preparation
- 8:30 - 10:30 Poster Session I/Refreshment Break/Exhibition

10:30 – 11:15 Session IV: Genetic Engineering of Livestock

10:30 – 11:15 **Perspectives on Transgenic Livestock in Agriculture and Biomedicine – An Update**
Jorge Piedrahita, North Carolina State University

11:15 – 12:30 Session V: From Epigenetics to Epigenomics

11:15 – 12:00 **Epigenetic Control of Development and Expression of Quantitative Traits**
Hélène Jammes, INRA, UMR INRA-ENVA

12:00 – 12:30 **Short presentations from submitted abstracts**

12:30 - 14:00 IETS Data Retrieval Committee Meeting

12:30 - 14:00 Lunch Break

12:30 – 13:30 Exhibitors Luncheon with the IETS Board

14:00 - 16:00 Session VI: Molecular Networks as Sensors and Drivers of Fertility

14:00 – 14:45 **Next Generation Sequencing Allows Deeper Analysis and Understanding of Genomes and Transcriptomes including Aspects to Fertility**
Thomas Werner, Genomatix Software, Inc.

14:45 – 15:30 **Dynamic Proteome Signatures in Gametes, Embryos and Their Maternal Environment**
Georg J. Arnold, Ludwig Maximilian University of Munich

15:30 – 16:00 **Short presentations from submitted abstracts**

16:00 – 16:30 Refreshment Break/Exhibition

16:30 - 17:00 IETS Pioneer Award Presentation

17:00 - 18:00 IETS Annual Business Meeting

18:00 - 20:00 Companion Animal, Non-Domestic & Endangered Species (CANDES) Open Meeting

18:00 - 19:00 Domestic Animal Biomedical Embryology Committee (DABE) Open Meeting

Tuesday, January 11, 2011

7:00 - 8:30 Organizational Meeting of the IETS Board of Governors.

8:00 - 15:00 Registration

8:00 - 13:30 Commercial Exhibits

8:00 - 17:00 A/V Library/Speaker Preparation

8:30 - 10:30 Poster Session II/Refreshment Break/Exhibition

10:30 -12:30 **Practitioners' Forum: Recent Advances in Superovulation and Embryo Production**
Reuben J. Mapletoft, University of Saskatchewan, Chairman

Speakers: Gabriel A. Bo, Institute of Animal Reproduction Cordoba (IRAC) and University of Villa Maria, Argentina: Simplified superovulation protocols using GnRH to control follicular development and one or two injections of FSH for superstimulation.

Pietro S. Baruselli and Manoel Sa Filho, University of São Paulo, Brazil: Use of sexed semen in superovulated bos indicus donors
Richard Remillard, Trans Ova Genetics, USA: Use of sexed semen in superovulated bos taurus donors and in-vitro embryo production

- 12:30 - 13:30 Lunch break
- 12:00 - 13:30 Organizational Lunch Meeting of the IETS Foundation
- 13:30 - 17:00 Commercial Exhibit and Poster Teardown
- 13:30 - 14:00 IETS Foundation Student Competition Awards, CANDES and HASAC Updates
- 14:00 - 14:45 IETS Distinguished Service Award Presentation
- 15:00 - 15:45 Session VII: Keynote Address
- 15:00 – 15:45 **Nuclear Architecture in Developmental Biology and Cell Specialization**
Thomas Cremer, Ludwig Maximilian University of Munich
- 15:45 - 16:00 Closing Ceremony
- 16:30 – 17:30 9th IETS Annual Running Competition
- 19:00 - Closing Party

Wednesday, January 12, 2011

- 7:30 – 11:00 Registration
- 8:30 - 17:00 Post Conference Seminar: International Regulations and Requirements for the Import/Export of Reproductive Biomaterials: Embryos, Semen and Tissue
- Sponsored by the IETS Committee on Companion Animals, Non-Domestic and Endangered Species (CANDES)