

Proposed Sessions for the Main IETS Program 2004
“Applying Embryo and Genomic Technologies in Animal Production and Conservation”

This is tentative timeline. Times, titles and speakers are subject to change.

Sunday, January 11, 2004

- 7:30 – 8:30 Past President’s Breakfast
- 9:00 – 12:00 HASAC/CANDES Committee Meeting
- 9:00 – 12:30 Registration
- 10:00 – 12:30 Poster Set-up
- 12:30 – 13:00 Welcome and Introduction

Session I. Advanced Embryo Technologies in Animal Production Systems

Showcasing new embryo technologies and their impact on livestock production

- 13:00 – 13:45 Embryo technologies and dairy cattle production – **Dr. Pete Hansen (UFL)**
- 13:45 – 14:30 Embryo technologies and swine production – **Dr. Matt Wheeler (UICU)**
- 14:30 – 15:00 BREAK

Session II: Assuring Genetic Diversity with Reproductive Technologies

This session will portray reproductive technology programs aimed at conserving genetic specialization and diversity across a range of animal species

- 15:00 – 15:45 International conservation of genetic diversity in livestock for the future - **Dr. Harvey Blackburn (Coordinator, USDA NAGP, Ft Collins, CO)**
- 15:45 – 16:30 Conserving genetic diversity in wildlife and domestic animal species – **Dr. David Wildt (National Zoo, Washington DC)**
- 16:30 – 16:45 BREAK
- 16:45 – 18:15 Student Competition

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Monday, January 12, 2004

Session III. Influence of Genome Technologies on Livestock Production

Highlighting current animal genome sequencing programs and their emerging impacts to livestock production.

- 8:30 – 9:15 Short Communications – Selected abstracts addressing gene expression, gene mapping and genome sequencing
- 9:15 – 10:00 Whole genome sequencing and gene mapping in livestock – implications for reproduction research - **Dr. Gary Rohrer (USDA Meat Animal Research Center, Clay Center, NE)**
- 10:00 – 10:30 BREAK
- 10:30 – 11:00 Presentation of IETS Pioneer Award
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Session IV: Functional Genomic Analysis of Oocyte Maturation

Showcasing cutting-edge applications of genomic technologies in oocyte research.

- 11:00 – 11:45 Gene transcription and oocyte maturation – **Dr. Karina Rodriguez (NCSU)**
- 11:45 – 12:30 Oocyte proteomics – **Dr. Scott Coonrod (UVa-Charlottesville)**
- 12:30 – 13:30 BROWN BAG LUNCH – Meet the speakers
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Session V: Functional Genomic Analysis of Embryo Development

Highlighting functional genomic strategies and advances in embryo research.

- 13:30 – 14:15 DNA Microarray analyses of embryo development – **Dr. Minoru Ko (NIH)**
- 14:15 – 15:00 Serial analysis of gene expression (SAGE) during porcine embryo development – **Dr. Le Ann Blomberg (USDA, Biotechnology and Germplasm Lab)**
- 15:00 – 15:15 BREAK
- 15:15 – 16:00 Business Meeting
- 16:00 – 18:00 Exhibitors and Poster Session #1

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18:00 - 19:30 Practitioners' Forum

Tuesday, January 13, 2004

Session VI: Biosecurity and Food Safety Concerns Related With Embryo Technologies

Providing IETS members with the latest information regarding disease transmission and prevention with in vivo and in vitro embryo production systems.

8:30 – 10:30 Exhibitors and Poster Session #2

10:30 – 10:45 Student Awards Presentation

10:45 - 11:30 Embryologists and biosecurity – **Dr. David Stringfellow (Auburn U.)**

11:30 - 12:15 Recent Impacts of Biosecurity and Food Safety Issues on Livestock Embryo Technologies in Europe – **Dr. Nanke den Daas, (CYCLE Consultancy, Doornenburg, Netherlands)**

12:15 – 13:15 BROWN BAG LUNCH – Meet the speakers, HASAC, CANDES and Practitioners

13:15 – 13:30 HASAC Update

13:30 – 13:45 CANDES Update

Session VII: New Horizons Integrating Emerging Technologies with Embryology

13:45 – 14:30 Short Communications – Selected abstracts from across the meeting topics that highlight cutting edge research

14:30 – 15:15 Integrating new technologies with embryology and animal production – **Professor Torben Greve, Denmark)**

15:15 – 15:30 Closing
