



International Embryo Transfer Society
Companion Animals,
Non-Domestic & Endangered Species
(CANDES)

Report to the IETS Board of Governors
January 2012

2011 Workshop

On January 12, 2011 we held a post-conference symposium entitled: International Regulations and Requirements for the Import/Export of Reproductive Biomaterials: Embryos, Semen and Tissues. Since there was not enough time (organization began in June, 2010) to ask the invited speakers for written articles of their presentations, we asked the speakers to submit the slides from their presentations so we can summarize the information in an article. CANDES Secretary Nucharin Songsasen and Chair Naida Loskutoff then sent the draft article to each of the speakers for approval. The proceedings article was published in the September 2011 issue of the IETS Embryo Transfer Newsletter.

CANDES Session at the 2012 IETS Annual Conference

Thanks to the Program Chairs, Pascale Chavatte-Palmer and Rebecca Krisher, the CANDES Committee was invited to hold a session at the 2012 IETS conference concurrently with the Practitioner's Forum. A committee of ten CANDES members decided to have one main speaker followed by short presentations selected from the authors of poster abstracts pertaining to CANDES who indicated their consent on the abstract submission form (24 total). The details of this program are as follows:

The IETS Parent Committee on Companion Animals, Non-Domestic and
Endangered Species (CANDES)

Program on Advances in Reproductive Technologies in CANDES
Tuesday, 10 January 2012 from 10:30 am to 12:30 am

Moderators:

Barbara Durrant, Institute for Conservation Research, San Diego Zoo Global, CA, USA
Duane C. Kraemer, Texas A & M University, College Station, TX, USA

Main Speaker:

10:30 – 11:00: Reproductive Uniqueness and Diversity of Canids
Nucharin Songsasen, Smithsonian Conservation Biology Institute, Front
Royal, VA, USA

Short Communications from Poster Abstracts:

11:00 – 11:15: In vitro production of bison embryos
J. P. Barfield, Colorado State University, Fort Collins, CO, USA

- 11:15 – 11:30: Propagation of multiple cat hereditary disease models following assisted reproduction with frozen semen and embryos
W.F. Swanson, Cincinnati Zoo & Botanical Garden, Cincinnati, OH, USA
- 11:30 – 11:45: Inducing pluripotency in somatic cells from the snow leopard (*Panthera uncia*), an endangered felid
R Verma, Monash Institute of Medical Research, Melbourne, Australia
- 11:45 – 12:00: Birth of black-footed cat kittens after transfer of cryopreserved embryos produced by in vitro fertilization of oocytes with cryopreserved sperm
C. E. Pope, Audubon Nature Institute Center for Research of Endangered Species, New Orleans, LA, USA
- 12:00 – 12:15: Cryopreservation of snake semen: Are we frozen in time?
R. Zacariotti, Universidade Cruzeiro do Sul, Sao Paulo, Brazil
- 12:15 – 12:30: Development of assisted reproduction technologies for the endangered Mississippi gopher frog (*Rana sevosa*) and sperm transfer for in-vitro fertilization
A. Kouba, Memphis Zoo Conservation and Research, Memphis, TN, USA

Future Meetings

Members of the CANDES Committee have been exploring ways to increase membership and attendance at the IETS conferences. One suggestion that has been discussed is to invite the newly formed International Zoo and Wildlife Endocrinology (IZWE) group to hold their annual meetings in conjunction with either the pre- or post-symposia. This issue is still pending and will be further discussed at the CANDES Committee Open Meeting in Phoenix since several of our members also subscribe to IZWE.

Respectfully Submitted,
Naida M. Loskutoff, Chairman of the IETS CANDES