49th Annual Conference of the IETS
Program

January 16 to 19, 2023
Lima, Peru

Walking the Line Between Science and Industry
Program Co-Chairs: Hanna Grothmann and Felipe Perecin

Session I: Getting a head start – Requirements for generating healthy offspring

Maternal metabolic health and reproductive success
Jo Leroy, University of Antwerp, Belgium

Maternal nutrition and developmental programming of offspring
Lawrence Reynolds, North Dakota State University, USA

Session II: Great things start small – Building competent gametes

Intra- and intercellular signals governing sperm maturation
Clémence Belleannée, Université Laval, Canada

The energetic metabolism of COCs: Effects on oocyte competence
Kylie Dunning, University of Adelaide, Australia

Session III: Settled in for the long run – Pregnancies and where they take the wrong turn

Lethal variants of equine pregnancy: Is it the placenta or fetus leading the conceptus in the wrong direction?
Amanda de Mestre, Royal Veterinary College, University of London, United Kingdom

Decisive points for pregnancy losses in beef cattle
Ky Pohler, Texas A&M University, USA

Session IV: All in the details – Molecular prerequisites for the future

Metabolism-epigenetic interactions on in vitro-produced embryos
Marcella Pecora Milazzotto (Federal University of ABC - Brazil)

Genomic selection in beef herds – Integrating genetic selection and embryo technologies to meet the industry needs
Stephen Miller, AGBU, a joint venture of NSW Department of Primary Industries and University of New England, Australia

Session V: Where ends meet – R(a)ising of the next generation

Programming impacts of maternal heat stress
Geoffrey Dahl, University of Florida, USA

Supplementation during transition period to improve reproductive performance
José Eduardo Portela Santos, University of Florida, USA

George E. Seidel Jr. Keynote Lecture

Inheritance of paternally acquired traits through sperm RNAs and RNA modifications
Qi Chen, University of California, Riverside, USA