



16°
León

Congreso Internacional de la Asociación
Española de Reproducción Animal
20 al 22 de octubre de 2022



SCIENTIFIC PROGRAMME

Thursday, 20th

- 16:00 - 19:00 **Registration. Faculty of Veterinary Medicine. University of Leon**
- Pre-Congress session (Chair: Emilio A Martínez) "Science diffusion: where and how to publish"**
- 17:00 - 19:00 **Tomás Baiget.** Director of "El Profesional de la Información"
Heriberto Rodríguez-Martínez. Editor-in-Chief Reproduction in Domestic Animals
- 20:30 - 22:00 **Welcome Ceremony and Reception ["Hostal de San Marcos"](#)**

Friday, 21st

- 8:30 - 18:30 **Registration. Faculty of Veterinary Medicine. University of Leon**
- 09:00 - 10:00 **Short Oral Communications I (Chair: Ana Josefa Soler)**
- Martínez-Rodero et al. Autonomous University of Barcelona.** Cryoprotectant role of exopolysaccharide ID1 in the vitrification/in-straw warming of in vitro produced bovine embryos.
- González-Plaza et al. University of Murcia.** Equilibration time with cryoprotectants, but not melatonin supplementation during in vitro maturation, affects viability and metaphase plate morphology of vitrified porcine mature oocytes.
- Ortiz et al. University of Córdoba.** DNA fragmentation of equine cumulus cells from Cumulus-Oocyte complexes submitted to vitrification and its relationship to the developmental competence of the oocyte.
- Sánchez-Ajofrín et al. University of Castilla La Mancha.** Serum supplementation during in vitro fertilization of sheep oocytes influences blastocyst quality through the differential abundance of mRNA transcripts
- 10:00 - 11:00 **Poster Session A and Coffee Break**
- 11:00 - 11:30 **Opening ceremony by the AERA president and chair of the LOC Luis Anel Rodríguez**

**Plenary Session I (Chair: Cristina Cuello)
"Embryo maternal communication"**

- 11:30 - 12:20 Response of the female genital tract to the presence of embryos. **Inmaculada Parrilla. University of Murcia. Spain**
- 12:20 - 13:10 Role of extracellular vesicles in embryo-maternal communication. **Alireza Fazeli. University of Sheffield. United Kingdom**
- 13:15 - 15:00 **Lunch**
- 15:00 - 16:00 **Poster Session A and Coffee Break**
- 16:00 - 17:00 **Short Oral Communications ii (Chair: Marc Yeste)**
- Iniesta-Cuerda et al. Charles University, Czech Republic.** Sperm of Sirt1- deficient mouse fail to acquire hyperactivated motility and fertilisation ability.
- Castany et al. Linköping University.** Changes in AQPs mRNA expression and liquid storage at 17°C: a potential biomarker of boar sperm quality?
- Fernandez-Alegre et al. University of Leon.** Melatonin affects red deer spermatozoa motility and physiology in capacitating and non-capacitating conditions.
- Parrilla et al. University of Murcia.** Neither frozen-thawed seminal plasma nor commercial transforming growth factor- β 1 infused intra-uterus before insemination improved fertility and prolificacy in sows.
- 17:15 - 18:15 **Invited abstract (Chair: Pedro Lorenzo)**
- Amaral et al. University of Lisbon.** The use of selective inhibitors of NETs enzymes may reduce endometrosis development in the mare.
- Catalan et al. Autonomous University of Barcelona.** Relevance of the oxidative stress index (OSI) in seminal plasma for the cryotolerance of horse sperm
- Ruiz-Diaz et al. Animal Reproduction/INIA-CSIC, Madrid.** Bull sperm thermotaxis selects spermatozoa with high DNA integrity, small head size, and improves ICSI outcome.
- Gimeno et al. Centro de Biotecnología Animal, SERIDA, Gijón.** Heifers carrying male and female fetuses differ in their metabolome before ET.
- 21:00 **Congress Dinner "[Cocinando](#)"**

Saturday, 22nd

- 08:30 - 17:00 **Registration. Faculty of Veterinary Medicine. University of Leon**
- 09:00 - 10:00 **Short Oral Communications iii (Chair: Rocio Fernández)**
- Sanchez-Sanchez et al. Animal Reproduction, INIA-CSIC, Madrid.** Reproductive efficiency of sows inseminated at single dose fixed-time with refrigerated, cryopreserved and encapsulated semen.

De la Cruz-Vigo et al. Animal Reproduction, INIA-CSIC, Madrid. Morphometric changes on the vulva from proestrus to estrus of nulliparous and multiparous hyperprolific sows.

Da Silva-Alvarez et al. University of Extremadura. Endometrial area of the blood flow as a marker of endometritis in equine.

Arrebola et al. University of Zaragoza. Comparison of four strategies of ram management in a semen collection center.

10:00 - 11:00 **Poster Session B and Coffee Break**

Plenary Session III (Chair: Luis Anel Lopez)
“Ovine embryo biotechnologies: challenges and opportunities”

11:00 - 11:50 Embryo biotechnologies implementation in sheep. **Sergio Ledda. University of Sassari. Italy**

12:00 - 13:00 **Round Table (Chair: Mercedes Álvarez)** Ovine embryo biotechnologies: sector requirements

Mercedes Álvarez. University of Leon

Luis Bravo. Torreonaya SL.

Fernando Freire. Ovigen

13:10 - 14:00 **Annual AERA Meeting**

14:00 - 15:30 **Lunch**

15:30 - 16:30 **Poster Session B and Coffee Break**

Plenary Session IV (Chair: Julián Santiago)
“Ultrasound and animal reproduction: beyond pregnancy diagnosis”

16:30 - 17:20 Advances in the ultrasound diagnosis in equine reproductive medicine: new approaches. **Cristina Ortega. University of Extremadura. Spain**

17:20 - 18:10 Ultrasonography in bovine reproduction: present and future of an extraordinary technique for research and field work. **Giovanni Gnemmi. Catholic University of Valencia. Spain**

18:15 - 18:45 **Awards Ceremony and Closing Session**

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