

Scientific Program

17th International Conference of the AERA

Madrid, 17th-19th October 2024

Thursday 17th Concurrent pre-conference session

10:00-14:00	<i>Hands-on reproduction wild/domestic animals</i> <i>Embryo production and genome manipulation</i> Dep. Animal Reproduction (INIA-CSIC).	<i>Rabbit reproductive biotechnologies workshop.</i> <i>Feline embryo production in vitro</i> Vet. Faculty (Complutense University of Madrid).
15:00-19:00	Registration. Zoo Aquarium Madrid (includes complimentary visit).	
19:00-21:00	Welcome ceremony and reception. Zoo Aquarium Madrid.	

Friday 18th.

08:30-18:30	Registration. Veterinary Faculty (Complutense University of Madrid).	
	Plenary Session I: Reproductive technologies in wild animals. Chairman: Julián Santiago Moreno.	
09:00-10:00	<i>Advanced assisted reproduction technologies in endangered mammalian species.</i> Thomas Hildebrandt. Leibniz Institute for Zoo and Wildlife Research, Germany.	
10:00-11:00	Poster Session A and Coffee Break.	
11:00-11:45	Opening ceremony.	
	Plenary Session II: Reproductive technologies in rabbits. Chairman: Pedro L. Lorenzo González.	
11:45-12:45	<i>Embryo biotechnologies implementation in rabbit.</i> Francisco Marco. Polytechnic University of Valencia, Spain.	
12:45-13:45	Short Oral Communications I. Chairman: Priscila Ramos Ibeas.	
	S. GIMENO-MARTOS, L. BOSA, P. L. LORENZO, M. ARIAS-ALVAREZ, C. CASTELLINI, P. GARCÍA-REBOLLAR, R. M. GARCÍA-GARCÍA. Influence of free and microencapsulated recombinant rabbit nerve growth factor with chitosan on rabbit sperm quality parameters.	
	A. VICENTE-CARRILLO, D. JORDÁN-RODRÍGUEZ, E. CÁCERES-MARTÍN, A. GÓMEZ-LEÓN, P. G. REBOLLAR, P. L. LORENZO, R. M. GARCÍA-GARCÍA, M. ARIAS-ÁLVAREZ. Effect of long-term oral administration of the flavonoid quercetin on the antioxidant profile of young and adult reproductive rabbit does.	
	M. P. VIUDES-DE-CASTRO, F. MARCO-JIMÉNEZ, H. MIRALLES-BOVER, J. S. VICENTE. Potency evaluation of different GNRH analogues on ovulation induction and reproductive performance of doe rabbit.	
	A. MARTÍN-MAESTRO, L. ABRIL-PARREÑO, A. J. SOLER, S. FAIR. Media viscosity affects post-thaw ram sperm rheotactic behaviour.	
14:00-15:30	Lunch.	
15:30-16:30	Poster Session A and Coffee Break.	
	Plenary Session III: Conservation of avian genetic resources. Chairman: Manuel Álvarez Rodríguez.	
16:30-17:30	<i>Innovations using avian reproductive cells for the cryopreservation of poultry species.</i> MiKe McGrew. Roslin Institute, University of Edinburgh, United Kingdom.	



Friday 18th (continuation)

17:30-18:30	Short Oral Communications II. Chairman: Carmen Díez Monforte. E. O'BRIEN, A. S. SABATER, A. TOLEDANO-DÍAZ, C. CASTAÑO, G. DE PEDRO AGUILAR, D. CUBERO, E. LUKASZEWICZ, J. SANTIAGO-MORENO. Effective use of artificial insemination as an ex situ conservation method for the capercaillie.
	A. TOLEDANO-DÍAZ, R. ROBLEDO, E. ALBA, P. FERNÁNDEZ-ALAEZ, P. GARCÍA-CASADO, B. BERNAL, C. CASTAÑO, O. TORRES, W. M. RAUW, J. SANTIAGO-MORENO. High cooling rate of 60°C/min around ice nucleation during cryopreservation compromises chicken sperm viability.
	M. ÁLVAREZ-RODRÍGUEZ, H. NIETO-CRISTOBAL, E. DE MERCADO. Bovine serum albumin inclusion in the thawing extender improves boar sperm membrane and acrosomal integrity.
	C. TAMARGO, A. SALMAN, E. FERNÁNDEZ-ALEGRE, C. FUEYO, C. ARIJA, Á. FERNÁNDEZ, M. J. MERINO, F. MARTÍNEZ-PASTOR, J. N. CAAMAÑO, C. O. HIDALGO. Seasonality analysis on cryopreserved doses from the autochthonous cattle breeds Asturiana de la Montaña and Asturiana de los Valles.
21:00	Conference Dinner (<i>Museo del traje</i>).

Saturday 19th

8:30-17:00	Registration. Veterinary Faculty (Complutense University of Madrid).
09:00-10:30	Short Oral Communications III (Student Competition). Chairman: Cristina Ortega Ferrusola
	C. C. MUÑOZ-GARCÍA, M. LUIS-CALERO, P. FERNÁNDEZ-HERNÁNDEZ, A. PIZARRO-HERNÁNDEZ, R. FERNÁNDEZ-GONZÁLEZ, A. GUTIÉRREZ-ADÁN, M. J. SÁNCHEZ-CALABUIG, J. CUERVO-ARANGO, L. GONZÁLEZ-FERNÁNDEZ, B. MACÍAS-GARCÍA. A new hormonal protocol supports early development of in vitro-produced embryos after transfer to anoestrus mares.
	M. FERRER-RODA, J. CATALÁN, D. IZQUIERDO, M. E. F. OLIVEIRA, M.-T. PARAMIO Impact of semen cryopreservation season on in vitro embryo production of prepubertal goat oocytes.
	A. GONZÁLEZ-PLAZA, M. GARCIA-CANOVAS, I. PARRILLA, H. RODRIGUEZ-MARTINEZ, M. A. GIL, E. A. MARTINEZ, C. CUELLO. The Cryotop vitrification system is competent for the simultaneous cryopreservation of large numbers of pig in vitro-produced blastocysts.
	A. MUNOZ-MACEDA, A. PRIEGO-GONZALEZ, C. NÚÑEZ-PUENTE, D. RIZOS, J. CERDEIRA-LOZANO, A. SANCHEZ-RODRIGUEZ, E. R. S. ROLDAN, M. J. SÁNCHEZ-CALABUIG. Enhancing felid conservation: Exploring the impact of in vitro culture media on domestic cat blastocyst production.
	S. GAGO, J. DIAZ-MUÑOZ, T. MOGAS. Impact of N-acetyl-L-cysteine on spindle morphology and reactive oxygen species in vitrified/warmed in vitro matured bovine oocytes.
	M. LUIS-CALERO, C. C. MUÑOZ-GARCÍA, P. FERNÁNDEZ-HERNÁNDEZ, B. MACÍAS-GARCÍA, L. GONZÁLEZ-FERNÁNDEZ. Prolonged incubation of frozen-thawed equine spermatozoa for in vitro fertilization: A preliminary study using low temperature and INRA96 medium.



Saturday 19th (continuation)

Plenary Session IV: Assisted reproduction and preimplantation embryology. **Chairman:** Dimitrios Rizos.

10:30-11:30 *Methodological approaches in vitrification: Enhancing viability of bovine oocytes and in vitro-produced embryos.* **Teresa Mogas.** Autonomous University of Barcelona, Spain.

11:30-12:30 Poster Session B and Coffee Break.

Plenary Session V: Animal genomic engineering. **Chairman:** María Arias Álvarez.

12:30-13:30 *Ethical aspects associated with genome alteration techniques applied to animal reproduction research.* **Lluís Montoliu.** CNB-CSIC, Spain.

13:30-14:15 Short oral communications IV (Student Competition). **Chairman:** Inmaculada Parrilla Riera

V. PÉREZ, F. CRESPO, A. I. LÓPEZ, S. CÁRDENAS, M. J. BAUTISTA, M. HIDALGO, J. DORADO, I. ORTIZ. Effect of silver nanoparticles on donkey sperm parameters and ultrastructure.

M. CERVEIRA-PINTO, A. WÓJTOWICZ, M. A. PIRES, P. KORDOWITZKI, D. SKARZYNSKI, G. FERREIRA-DIAS, A. SZÓSTEK-MIODUCHOWSKA, A. AMARAL. TLR-2 and TLR-4 mRNA expression in different grades of histopathological lesions of equine endometrium from follicular phase.

I. MARTÍNEZ-BARTOLOMÉ, J. MASOT, C. SERRES. Development of an equine endometrial histology scoring system to complement the Kenney–Doig scale.

14:15-15:45 Lunch.

15:45-16:30 Short oral communications V (Student Competition). **Chairman:** Jesús M. Dorado Martín.

G. GARRAPPA, C. MARTÍNEZ-LÓPEZ, M. JIMÉNEZ-MOVILLA, F. A. GARCÍA-VÁZQUEZ. In vitro exposure of porcine sperm to functionalized superparamagnetic nanoparticles.

M. V. FALCETO, A. M. GARRIDO, M. BUENO, M. T. TEJEDOR, J. CANTIN, L. GARZA-MORENO, O. MITJANA. Prevalence of pseudopregnancy in bitch attending a veterinary teaching hospital in Spain.

E. DÍAZ-HERNÁNDEZ, P. BÓVEDA, C. M. PICAZO, J. A. LABORDA-GOMARIZ, M. SERRALLE, M. RAMÓN, R. GALLEGU, V. MONTORO, O. GARCÍA-ÁLVAREZ, R. FERNÁNDEZ-SANTOS, J. J. GARDE, A. J. SOLER. Influence of liquid extender, preservation temperature and time on the sheep sperm quality.

16:30-18:00 Poster Session B and Coffee Break.

18:15-19:00 Annual AERA Meeting (INIA-CSIC).

19:00-19:30 Closing Session (INIA-CSIC).

