



AERA 2026

18th International Conference of Spanish Society for Animal Reproduction

Granada, 5th - 7th November 2026



MAIN PROGRAM

Thursday, 5 November 2026

16:00–20:00: Registration

PRECONFERENCE LECTURE

Chairperson: **Luis Anel Rodríguez**

19:00–19:45: **José Julián Garde López-Brea**, Rector, University of Castilla-La Mancha, Spain

The Spanish university system and the challenge of transforming science into impact: funding, talent and knowledge transfer

20:30: Welcome ceremony and reception — congress hotel

Friday, 6 November 2026

08:30–18:30: Registration

09:30–10:00: Opening ceremony

SESSION 1: Molecular Signaling and Functional Assessment in Male Fertility.

Chairperson: **Emilio A. Martínez**

10:00–10:45: **Invited lecture: Heriberto Rodríguez-Martínez**, Linköping University, Sweden.

Seminal Extracellular Vesicles as Molecular Modulators of Male Reproductive Function (RDA e70217)

10:45–11:30: **Invited lecture: Ana Josefa Soler**, UCLM. Spain.

Optimizing Sperm Recovery and Evaluation in Domestic Species: Challenges and Current Practices (RDA e70280)

11:30–12:30: Poster session, exhibition and coffee break — sponsored by MSD Animal Health

12:30-13:30: SHORT ORAL COMMUNICATIONS I

Chairperson: **Marc Yeste**

Patricia Panales, J. Li, A. Parra, P. Martínez-Díaz, X. Lucas, M. Yeste, J. Roca, I. Barranco, University of Murcia and IMIB, Murcia, Spain

Small and Large Seminal Extracellular Vesicles Differentially Modulate Capacitation-Related Parameters in Frozen–Thawed Porcine Epididymal Spermatozoa (RDA e70222)

Adrián Martín-San Juan, C.C. Martín-Hinojal, H. Nieto-Cristóbal, M.J. Martinez-Alborcia, E. de Mercado, M. Álvarez-Rodríguez, INIA-CSIC, Madrid, Spain

Differentially expressed miRNA Cargo From Boar Seminal Extracellular Vesicles Is Linked With Motility Quality in AI Doses (RDA e70221)

Clara Vidal-García, M. Neila-Montero, E. Díaz-Hernández, P. Bóveda, C.M. Picazo-Córdoba, V. Montoro, O. García-Álvarez, J.J. Garde, A.J. Soler, M. Iniesta-Cuerda, IREC (UCLM-CSIC-JCCM), Albacete, Spain

Estrous Sheep Serum-Derived Extracellular Vesicles Deliver Proteins That Modulate Sperm Motility in Sheep (RDA e70293)

Judith Díaz-Muñoz, Y.N. Cajas, K. Cañón-Beltrán, S. Gago, C.O. Hidalgo, M. López-Béjar, D. Rizos, T. Mogas, Autonomous University of Barcelona, Cerdanyola del Vallès, Spain

Extracellular Vesicles From Heat- and Oxidative-Stressed Granulosa Cells Improve Redox Balance and Embryo Development in Bovine Oocytes (RDA e70224)



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María del Prado Soriano-Campos, C.C. Muñoz-García, M. Luis-Calero, M. del Olmo-Ortiz, A. Gallardo-Soler, B. Macías-García, L. González-Fernández, University of Extremadura, Cáceres, Spain
Differential Gene Expression of Mesenchymal Stromal Cell and Granulosa Cell Markers in Equine Follicular Aspirates (RDA e70288)

13:30–15:00: Lunch

15:00–15:30: Poster session and exhibition

SESSION 2: Innovations in Livestock Embryo Cryopreservation.

Chairperson: Cristina A. Martínez-Serrano

15:30–16:15 Invited lecture: Cristina Cuello, University of Murcia, Spain

Recent Advances and Emerging Applications in Embryo Vitrification for Livestock (RDA e70269)

16:15–17:15: SHORT ORAL COMMUNICATIONS II

Adelina López-Jara, X. Tóptsikioti, M. García-Canovas, C. Cuello, M.A. Gil, H. Rodríguez-Martínez, E.A. Martínez, I. Parrilla, University of Murcia and IMIB-Pascual Parrilla, Murcia, Spain

Frozen Boar Semen Can Be Successfully Stored at –80°C, Reducing Need for LN2 Storage Containers (RDA e70248)

Carolina G. Cabrera-Gómez, D. Gascón-Collado, P. Blanco-Cueto, B. Pequeño, H. Rodríguez-Martínez, C.A. Martínez-Serrano, INIA-CSIC, Madrid, Spain

Comparative Transcriptomic Analysis of In Vitro Matured Oocytes From Cyclic and Prepubertal Gilts Reveals Distinct Molecular Patterns (RDA e70285)

Sonia Gago, M. Vendrell-Flotats, J. Díaz-Muñoz, M. Soriano-Moya, M. Acacio, E. Mestres, N. Costa-Borges, T. Mogas, Autonomous University of Barcelona and Embryotools R&D Centre, Barcelona, Spain

Oxidative and Mitochondrial Status of Vitrified Equine In Vitro Matured Oocytes Using Temperature-Specific Equilibration Protocols (RDA e70259)

David Gascón-Collado, C.G. Cabrera-Gomez, P. Blanco-Cueto, H. Rodríguez-Martínez, C.A. Martínez-Serrano, INIA-CSIC, Madrid, Spain

Transcriptomic Dynamics Associated With In Vitro Oocyte Competence in Pigs (RDA e70265)

Manuela García-Cánovas, M. Torregrosa-Fuentes, A. Lopez-Jara, I. Parrilla, H. Rodríguez-Martínez, E.A. Martínez, M.A. Gil, C. Cuello, University of Murcia and IMIB-Pascual Parrilla, Murcia, Spain

Interleukin-4 Supplementation During In Vitro Culture Modulates the Expression of Stress- and Immune-Related Genes During Porcine Blastocyst Development (RDA e70263)

20:30: Congress dinner — Carmen de los Chapiteles



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Saturday November 2026

08:30–14:00: Registration

9:30–10:15: SHORT ORAL COMMUNICATIONS III

Chairperson: Graça ML. Ferreira-Dias

P. Vallejo-Soto, Gea Sánchez-Cantero, V. Dibenedetto, A. Pagliarinni, Á. Almohano-Carrasco, R. Rodríguez González-Miranda, J. Dorado, I. Ortiz, M. Hidalgo, University of Córdoba, Córdoba, Spain
Effect of Uncoated Magnetic Nanoparticles on Stallion Sperm Parameters: Influence of Semen Quality (RDA e70243)

Sebastià Company, J. Catalán, L. Padilla, C. Maside, J. Miró, M. Yeste, Autonomous University of Barcelona, Barcelona, Spain

Characterization of Cytokines in Donkey Follicular Fluid and Seminal Plasma: A Pilot Study (RDA e70271)

Carlos Montero-Palma, A. Romero-Salmoral, P. Vallejo-Soto, B.R.N. Vilela, V. Pérez, F. Crespo-Castejón, I. Ortiz, M. Hidalgo, J. Dorado, I. Luque, L. Gómez-Gascón, University of Córdoba, Córdoba, Spain

Cinnamaldehyde as a Natural Antimicrobial in Donkey Semen: Efficacy and Sperm Cytotoxicity (RDA e70250)

Pilar Vallejo-Soto, A. González Ariza, B.R.N. Vilela, C. Montero-Palma, R. Rodríguez González-Miranda, V. Pérez-Aguilera, F. Crespo-Castejón, M. Hidalgo, J. Dorado, I. Ortiz, University of Córdoba, Córdoba, Spain

Comparative Susceptibility of Donkey and Horse Sperm to Liquid-Storage Temperature (RDA e70260)

10:15–11:15: Poster session, exhibition and coffee break

SESSION 3: Innovative In Vitro Models and Genome Editing Approaches to Transform Livestock Reproduction.

Chairperson: Cristina Cuello

11:15–12:00: Invited lecture: Carlos A. Pinzon-Arteaga, Harvard Medical School, USA.

Livestock Blastoids: In Vitro Blastocyst Models for Embryogenesis and Reproductive Technologies (RDA e70262)

12:00–12:45: Invited lecture: Kiho Lee, University of Missouri-Columbia, USA.

Precision Genome Editing in Domestic Animals (RDA e70286)

12:45–13:30: Poster session and exhibition

13:30–14:00: SHORT ORAL COMMUNICATIONS IV

Chairperson: Ana Josefa Soler

Carmen Cristina Muñoz-García, M.P. Soriano-Campos, M. Luis-Calero, M. del Olmo-Ortiz, L. González-Fernández, B. Macías-García, University of Extremadura, Cáceres, Spain

Influence of Follicle Number and Reproductive Cyclicity on Mesenchymal Stromal Cell Yield Isolated From Equine Ovarian Follicular Aspirates (RDA e70306)

Marc Torres-Garrido, M. Llavanera, M. Yeste, Y. Mateo-Otero, University of Girona, Girona, Spain

A Novel Multiparametric Flow Cytometry Approach to Study Metabolism in Cumulus Cells (RDA e70252)

Marta Cerveira-Pinto, C. Santos, N. Gomes, M. Pinho, A. Szóstek-Mioduchowska, A. Amaral, University of Lisbon, AL4AnimalS and CIISA, Lisbon, Portugal

Layer-Specific Quantitative Assessment of Collagen Distribution in Equine Uteri Using Masson's Trichrome and Digital Image Analysis: A Comparative Study (RDA e70279)

14:00–15:30: Lunch



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Chairperson: María A. Gil

15:30–16:15: Invited lecture: Priscila Ramos-Ibeas, INIA, Madrid, Spain.

Molecular Regulation of Post-Hatching Embryo Development: Implications for Early Pregnancy Losses in Livestock Species (RDA e70225)

16:15–16:45: Closing session

16:45: Annual AERA meeting