

**THURSDAY, November 9<sup>th</sup>**

19:00-21:00	Registration
20:00-22:00	Welcome Reception

**FRIDAY, November 10<sup>th</sup>**

9:00-18:30	Registration
9:00-9:30	<b>Opening Ceremony</b> by the AERA President <b>Emilio Martínez</b> <i>and</i> by the Chair of the LOC <b>Teresa Mogas</b>
<b>Plenary Session I. Chairpersons: José Julián Garde &amp; Teresa Rigau</b>	
9:30-10:30	<i>From the pre-ovulatory follicle palpation to the dilemma of twin pregnancies, clinical reflections following a million of gynaecological exams in dairy cows</i> <b>Fernando López-Gatius. Transfer in Bovine Reproduction SLU, Barbastro, Spain</b>
10:30-11:30	Poster Session and Coffee Break
11:30-13:00	Short Oral Communications
	<b>Gómez et al. SERIDA, Gijón.</b> <i>Lack of Impact of low energy diets on metabolomic analysis of cow follicular and uterine fluids</i> <b>Vendrell et al. Universidad Autónoma de Barcelona.</b> <i>Effect of heat stress during in vitro maturation on developmental competence of vitrified/ warmed in vitro matured bovine oocytes</i> <b>Ruiz-Conca et al. Universidad Autónoma de Barcelona.</b> <i>Coenzyme Q<sub>10</sub> supplementation during in vitro maturation of bovine oocytes (<i>Bos taurus</i>) helps to preserve oocyte integrity after vitrification</i> <b>Díaz Jiménez et al. Universidad de Córdoba.</b> <i>Effect of different extenders for donkey sperm vitrification in straws</i> <b>López-Béjar et al. Universidad Autónoma de Barcelona.</b> <i>Increased sperm cell production in aging roosters by an oral treatment with an aromatase inhibitor and a natural herbal extract designed for improving fertility</i>
13:00-14:30	Lunch
<b>Plenary Session II. Chairpersons: Cristina Ortega &amp; Jordi Miró</b>	
14:30-15:30	<i>Aquaporins: involvement of water channels in gamete function and cryobiology</i> <b>Marc Yeste. Universidad de Girona</b>
15:30-16:30	Short Oral Communications
	<b>Bonilla-Correal et al. Universidad Autónoma de Barcelona.</b> <i>First evidence for the presence of aquaporins in stallion sperm</i> <b>Castillo-Martín et al. Universidad de Girona.</b> <i>Voltage-dependent anion channel 2 (VDAC2) is involved in in vitro capacitation of boar sperm</i> <b>Jiménez-Movilla et al. University of Murcia and IMIB-Arrixaca.</b> <i>Expression of fluorescent protein OVG1-Cherry for sperm selection</i> <b>Bussalleu et al. Universidad de Girona.</b> <i>Effects of the antimicrobial peptide Protegrine 1 on sperm viability and bacterial load of boar seminal doses</i>
16:30-17:00	Poster Session and Coffee Break

17:00-18:30	<b>Workshop: Embryo production by ovum pick-up from live animals</b> Moderated by <b>Teresa Mogas, Universidad Autónoma de Barcelona</b>
	<b>Daniel Martínez Bello. Embriovet SL &amp; Embriomarket SL, a Coruña.</b> <i>Factors affecting oocyte recovery and in vitro embryo production.</i> <b>Maria Jesús Sánchez Calabuig. Reproducción Animal, INIA/Universidad Complutense de Madrid.</b> <i>In vitro production: Seeking for the best embryos</i> <b>Roser Morató. Universidad Autónoma de Barcelona.</b> <i>New insight on cryopreservation of in vitro-produced bovine embryos</i>
20:30	<b>Congress Dinner</b>

<b>SATURDAY, November 11<sup>th</sup></b>	
<b>Plenary Session III: Chairpersons: Lydia Gil &amp; Manel López-Bejar</b>	
09:00-10:00	<i>PIWIs, piRNAs and retrotransposons: Complex battles during reprogramming in gametes and early embryos.</i> <b>Jonathan Lamarre. University of Guelph, Canada</b>
10:00-11:30	<b>Short Oral Communications</b>
	<b>García-Ibáñez et al. University of Murcia and IMIB-Arrixaca.</b> <i>EGFR mRNA in bovine preimplantational embryos</i> <b>Rizos et al. INIA, Madrid.</b> <i>Effect of ascorbic-acid-cyclodextrin complex on oocyte maturation or embryo culture in vitro in bovine</i> <b>Martinez et al. Universidad de Murcia.</b> <i>Peroxidized mineral oil increases the oxidant status of culture media and inhibits porcine in vitro embryo development.</i> <b>Soto-Heras et al. Universidad Autónoma de Barcelona.</b> <i>Melatonin improves in vitro embryo quality in juvenile goats</i> <b>Peris-Frau et al. SaBio IREC (CSIC-UCLM-JCCM), Albacete.</b> <i>Influence of exogenous melatonin during transport of sheep ovaries on in vitro embryo output.</i>
11:30-12:30	<b>Poster Session and Coffee Break</b>
12:30-13:30	<b>Annual AERA Meeting</b>
13:30-15:00	<b>Lunch</b>
<b>Plenary Session IV. Chairpersons: Julián Santiago &amp; Marc Yeste</b>	
15:00-16:00	<i>CRISPR is knocking on barn door</i> <b>Pablo Bermejo. INIA, Madrid</b>
16:00-17:30	<b>Short Oral Communications</b>
	<b>Fernandez-Serrano et al. CITA-IVIA, Segorbe, Castellón.</b> <i>Chitosan-dextran sulphate nanoparticles for GnRH release in rabbit insemination extenders</i> <b>Martin-Maestro et al. SaBio IREC (CSIC-UCLM-JCCM), Albacete.</b> <i>The role of calcium and bicarbonate on sperm capacitation in Iberian red deer</i> <b>Li et al. Universidad de Murcia.</b> <i>Antioxidant level in seminal plasma from different boar ejaculate portions.</i> <b>Lopes et al. Universidad de Murcia.</b> <i>Altrenogest treatment before weaning improves litter size in sows</i> <b>Pinto-Bravo et al. Escuela Superior Agraria de Coimbra.</b> <i>Possible factors involved in collagen deposition in equine oviduct</i>
17:30-18:00	<b>Closing Session</b>