

## **The joint 28th ESDAR conference and 3rd ECAR symposium**

**Thursday 11<sup>th</sup> September 2025**

19.00-23.00     **Welcome reception**

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**Friday 12<sup>th</sup> September 2025**

08.30-9.00     **Opening Session**

**Welcome by ESDAR and ECAR President**

**Welcome by LOC (5 min) (Assoc. prof. K. Hristov)**

**Welcome by important persons from:**

- **the Ministry or the Executive agency for selection and reproduction in animal breeding (max 10min)**
- **State of the art of veterinary activities in animal reproduction in Bulgaria ( Dr. Parvanov, Bulgarian Union of Veterinaries working with productive animals, max 10 min)**

09.00-10.20     **Plenary session 1**

09.00-09.40     **Keynote lecture 1:** Peter Langendijk: Importance and control of colostrum intake in the neonate pig, a review

09.40-10.20     **Keynote lecture 2:** Jorgen Agerholm: Malformations leading to dystocia

10.20-10.50     Coffee break

10.50-11.50     **Young Scientist Communication ESDAR**

12.00-13.00     **Oral communications I (4x4 OC's)**

### **OC 1 (Spermatology)**

1.1: Balance of spermatozoal functionalities and their relationship with semen quality and fertility in Arabian stallions (E.B. Gül et al.)

1.2: Effect of Curcumin and Rosemary Oil added to semen extenders in rabbits (F Marco-Jiménez et al.)

1.3: Aqueous extract of *Scabiosa arthropurpurea* improves reproductive parameters and reduces oxidative stress in rams under natural hot summer conditions (S. Ben Said et al.)

1.4: Impact of Subclinical Bluetongue Virus Infection on sperm quality parameters in Holstein Bulls (B. Cinar et al.)

### **OC 2 (Gynecology)**

2.1: Uterine tissue expressions of miR-148a-3p and miR-223-3p in dogs with open and closed cervix pyometra (H. Özkan et al.)

2.2: Effect of heat stress on reproductive parameters and hormonal profiles in dairy cows (M.Tekin et al.)

2.3: Risk factors of cervicitis and its impact on fertility in dairy cows (M. Chackchouk et al.)

2.4: Smart and secure livestock farming applications (APPàre) and transrectal ultrasonography: A data-driven approach to diagnosing reproductive disorders in Sarda Dairy Sheep (A. Spezzigu et al.)

### **OC 3 (Endocrinology)**

3.1: Adaptation of the porcine uterine luminal epithelial cells' proteomic profile to implantation (M. Kiezun et al.)

3.2: Unraveling the impact of irisin on porcine luteal cells: a proteomic perspective (N. Smolińska et al.)

3.3: Gene expression changes in the corpus luteum of heat-stressed dairy cows (R. Walch et al.)

3.4: Postpartum progesterone profiles in dairy cows kept with their calves (A. Edvardsson Rasmussen et al.)

### **OC 4 (Behaviour and Reproduction)**

4.1: The role of local prostaglandins in the corpus luteum during the estrous cycle and induced luteal regression in cows (B. Berisha -2169)

4.2: Bull-specific scent increases the fertility in Holstein heifers (Y. Jung et al.)

4.3: Severe claw injuries in pregnant sows impair litter performance without altering hair stress biomarkers levels (H. Gonzalez-Ramiro et al.)

4.4: Nerve Growth Factor (NGF) system and phase-dependent endometrial modulation in the sheep uterus (C. Dall'Aglio et al.)

13.00-14.00 Lunch Break

13.00-14.00 **Meeting of the ESDAR Country Representatives (+ lunch)**

**14.00-14.10 Presentation of Sponsor**

14.10-15.30 **Poster session I**

15.30-16.00 Coffee Break

16.00-17.30 **Parallel workshops 1-3, How to do session I**

WS1: Buffalo reproduction (Serhat Alkan)

WS2: Canine and feline neonatology: specificities of the neonatal patient and consequences in practice (Sylvie Chastant)

WS3: 90 minutes to become an even better ECAR supervisor (Stefan Deleuze)

How-to-do I: Proper selection for recipient mare and stallion for artificial insemination and embryo transfer in equine (Martina Gelova)

**19.00-23.00 Gala dinner**

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## **Saturday 13<sup>st</sup> September 2025**

### **09.00-10.20 Plenary session 2**

09.00-09.40 Keynote lecture 3: Lluís Ferré-Dolcet: Reversible control of reproduction in queens and tom cats

09.40-10.20 Keynote lecture 4: Alireza Fazeli: Extracellular vesicle research in reproductive science - last achievements in animal research

10.20-10.50 Coffee break

### **10.50-11.10 ECAR Residents oral presentation**

#### **11.10-12.25 Oral communications II (5x4 OC's) OC 5 (Andrology / Spermatology)**

5.1: Chlorogenic acid attenuates acrylamide-Induced disruptions in testicular ferroptosis pathway dynamics in rats (H.H. Keçeli et al.)

5.2: Potential sex sorting of Hampshire boar sperm with ScFv-antibody coated magnetic beads (J. Morrell et al.)

5.3: Polystyrene nanoplastics impair stallion sperm function (S. Dindo et al.)

5.4: Impact of egg yolk- and commercial liposome-based extenders on fresh and frozen-thawed ram sperm (L. Rombaut et al.)

5.5.: Assessing the impact of seasonal heat stress on sperm cryopreservation in Holstein bulls (L. Tovar Pascual et al.)

#### **OC 6 (Embryo transfer / Spermatology)**

6.1: Efficiency, variability and factors influencing pregnancy rate after transfer of cryopreserved in vitro produced equine embryos (M. Papas et al.)

6.2: Isolation of genomic DNA from blastocyst fluid in bovine blastocysts produced In Vitro (ovis aries) (A. Esen Gobekci)

6.3: The use of SS-31 peptide as a potential mitochondrial antioxidant in oocyte maturation (E. Gałęska et al.)

6.4: Endometrial proteomics differ between allogeneic and hemi-allogeneic pig pregnancies (I. Parrilla et al.)

6.5.: Seasonal influence on the oxidative status of seminal plasma proteins and semen parameters of Belgian Blue bulls (P.B. Guerra et al.)

#### **OC 7 (Obstetrics / Mammary gland / Endocrinology)**

7.1: Antimicrobial resistance in bovine mastitis isolates of *Pasteurella multocida* and *Mannheimia haemolytica* (W. Petzl et al.)

7.2.: The role of calving assistance in mitigating the reproductive impact of dystocia in dairy cows (S. Ferraro et al.)

7.3: Comprehensive serum MicroRNAome profiling in canine mammary tumors (H.E. Çolakoğlu et al.)

7.4: Hormonal status in benign canine mammary tumours: a retrospective study (M. Pascual González et al.)

7.5.: Endometrial macrophage subpopulation dynamics modulate ECM-associated gene expression and transcriptomic profiles: implications on endometrosis development in mares (A. Szóstek-Mioduchowska et al.)

#### **OC 8 (Other)**

- 8.1: Inhibitors of histone deacetylases on equine in vitro endometrial fibroblast differentiation and collagen gene transcription (M. Leal et al. - 2218)
- 8.2: Effect of interleukin-6 addition during in vitro maturation and culture of porcine oocytes fertilized in vitro (M. Garcia-Canovas et al.)
- 8.3: Impact of rapid warming on mitochondrial activity, distribution and DNA integrity of vitrified bovine oocytes (P. Pyrek et al.-2285)
- 8.4: Spider silk scaffolds enhance structural integrity and oocyte quality in In Vitro culture of sheep cumulus-oocyte complexes (M. Ebrahimi et al.)
- 8.5.: The expression of inflammatory and steroidal genes in sheep's endometrial epithelial cells: novel autocrine nerve growth factor signaling (M. Maranesi et al.)

12.30-13.30      Lunch Break

13.30-13.40      Presentation of the Gold sponsor

13.40-15.00      **Poster session II**

14.15-15.15      ESDAR Annual Business Meeting

15.00-15.30      Coffee Break

15.30-17.00      **Parallel workshops 4-6, How to do session II**

WS5: Environmental contaminants, maternal transfer and reproductive success in domestic sows and Finnish Sea ducks (Stefan Björkman)

WS6: Reproduction in New World Camelids (Alessandro Ricci)

WS7: The Good, the Bad and the Ugly - Improvement of semen cryopreservation in stallions and dogs (Christiane Otdorff)

How-to-do II: Assisted reproduction in small ruminants (Emmet Kelly)

17.00-17.30      **Presentation of sponsor, Awards and Closure**