



SEPTEMBER 2023

Via dell'Università, 6 Lodi - Room L01

27th

Morning session:
**Genetics, immunology, and biotechnology
for innovative models**
Afternoon session:
Embryology and Reproduction

28th

Morning session:
Nutrition, Sustainability, and One-Health
Afternoon session:
Industrial PhD Students

29th

Session:
Veterinary clinical and pathological sciences
Panel discussion:
**Tackling Antibiotic Resistance
in Veterinary Medicine and Animal Sciences**

CONFIRMED SPEAKERS:

Prof. Christian Maltecca, *North Carolina State University, USA*

Dr. Rita Vassena, *Fecundis Lab, Spain*

Prof. María José Ranilla, *Universidad de Leon, Spain*

Prof. Mabrouk Elsabagh, *Niğde Ömer Halisdemir University, Turkey*

Prof. Micaela Sgorbini, *Università di Pisa, Italy*

Prof. Francesca Bonelli, *Università di Pisa, Italy*

Participant registration at 9:15

VAS Days

VAS Days 27th-29th September 2023

27th September

Morning session: Genetics, immunology, and biotechnology for innovative models.

Chairing the session: Dalia Curci, Martina Penati

9:15 - Participant registration

9:30 - "Deciphering the Microbiome-Host Interaction: Linking Efficiency and Resilience in Pigs", **Prof. Christian Maltecca, North Carolina State University, USA**

10:00 - "Structural Variation in the Aosta cattle breeds", **Chiara Punturiero**

10:15 - "Immunohistochemical characterization of cells of the mononuclear phagocyte system in the mouse", **Luca Bertola**

10:30 - "Genome Wide Association Studies in the Aosta cattle breeds", **Francesca Bernini**

10:45 - "Development of an ELISA assay for the detection of the antibodies production against F4 adhesive fimbriae: follow-up of the new inactivated oral vaccine against enterotoxigenic *Escherichia coli* in post-weaning piglets", **Alessia Inglesi**

11:00 - "Copy Number Variants in commercial dairy farms", **Andrea Delledonne**

Coffee break

11:45 - "Young extracellular matrix-based bio-scaffolds boost and maintain miR-200-induced rejuvenated phenotype in senescent fibroblasts", **Teresina De Iorio**

12:00 - "Preclinical assessment of the CNS toxicity in paediatric subjects: histological, histochemical and immunohistochemical evaluation in Sprague Dawley newborn rats", **Simone Canesi**

12:15 - "Identification and Characterisation of Gamma-herpesviruses in Artiodactyla species using a Long-range PCR approach", **Laura Bianchessi**

12:30 - "Short and long-term effects on gut microbiota of oregano essential oil in dairy calves", **Chiara Gini**

12:45 - "Breed and temperature: can they be considered drivers of muscle development?", **Margherita Pallaoro**

Afternoon session: Embryology and Reproduction

Chairing the session: Fernanda Fagali Franchi, Noemi Monferrini

14:30 - "So you think you got something? Translational research and entrepreneurship in reproduction", **Dr. Rita Vassena, Fecundis Lab, Spain**

15:00 - "Development of a procedure for the isolation, identification, and quality assessment of bovine round spermatids", **Francesca Di Filippo**

15:15 - "Ovarian tissue banking in animal models", **Isa Mohammed Alkali**

15:30 - "Amniotic- derived extracellular vesicles improve fertility of mares affected by chronic degenerative endometritis", **Giulia Gaspari**

15:45 - "Does energetic imbalance affect the preimplantation development of bovine embryos *in vitro*?", **Giulia Musmeci**

Coffee break

16:30 - "Bioinformatics approaches to investigate the regulation of maternal mRNA translation in bovine oocytes", **Magdalena Ladron de Guevara**

16:45 - "Gene expression profiling of isolated bovine primordial follicles for the improvement of *in vitro* culture systems for fertility preservation", **Pritha Dey**

17:00 - "Investigation on the putative physiological function of ROS during oogenesis", **Maria Plevridi**

17:16 - "Establishing an experimental protocol to detect reactive oxygen species in bovine early embryonic development: preliminary data", **Sai Kamal Nag Bonumallu**

28th September

Morning session: Nutrition, Sustainability and One Health

Chairing the session: Marta Comin, Matteo Dell'Anno

9:15 - Participant registration

9:30 - "In vitro techniques for animal feed evaluation", **Prof. Maria Jose Ranilla Garcia, Universidad de Leon, Spain**

10:00 - "Evaluation of the difference in contamination by per- and poly-fluorinated substances (PFASs) in wild boar and swine tissues sampled in the same area", **Susanna Draghi**

10:15 - "Nutritional interventions to modulate the gut microbial core and ameliorate young monogastrics and ruminants health.", **Luca Marchetti**

10:30 - "Dietary energy source on Italian Holstein heifers feed efficiency", **Giovanna Meli**

10:45 - "Air Quality Assessment in Pig Farming: The Italian Classyfarm", **Eleonora Buoio**

11:00 - "Evaluation of *Phaseolus vulgaris* LPA and *Lupinus albus* as alternative protein sources to soybean in weaned piglets", **Sara Frazzini**

11:15 - "Traditional diet vs Circular diet: effect of the partial replacement of corn and soybean meals with bakery former food products and wet distillers grains on production performance, health status, digestibility and environmental sustainability in fattening beef heifers ", **Silvia Grossi**

Coffee break

12:00 - "Evaluation of rainbow trout (*Oncorhynchus mykiss*) organotypic intestinal platforms: cellular responses after long-term exposure to *in vitro* digested feed", **Federica Camin**

12:15 - "Evaluation of Antioxidant and Bacterial Growth Inhibitory activities of *in vitro* digested nutraceutical products", **Benedetta Canala**

12:30 - "Food inspection for consumer's safety: incidence of perfluoroalkyl substances in commercial eggs from Northern Italian markets. ", **Dalia Curci**

12:45 - "Goat Hair as a Bioindicator of Environmental Presence of Heavy Metals and Trace Elements and Hypothalamic-Pituitary-Adrenal Axis Activation During Vertical Transhumance", **Stella Agradi**

13:00 - "A Randomized Controlled Trial on Use of Antibiotic Dry-Goat Treatments and Its Effect on Intramammary Infection and Milk Microbiome", **Delower Hossain**

13:15 - "Determination of persistent organic pollutants in fish tissues by accelerated solvent extraction technique (EXTREVA ASE™) and GC-MS/MS to support food safety ", **Giacomo Mosconi**

Afternoon session: PON PhD

Chairing the session: Annalura Lopez, Francesca Bernini

14:30 - "To be announced", **Prof. Mabrouk Elsabagh, Niğde Ömer Halisdemir University, Turkey**

15:00 - "Evaluation of antibiotic use and intramammary infections in farms belonging to the Consortium of Parmigiano Reggiano Cheese", **Jamai Masroure Anoar**

15:15 - "Effect of a lime-based conditioner on pH, dry matter, and microbiological counts of recycled manure solids as dairy cow bedding substrates", **Sara Fusar Poli**

15:30 - "Occurrence of perfluoroalkyl substances in canned tuna and their impact on food safety", **Luigi Danesi**

15:45 - "Antibiotic susceptibility and biofilm formation in ESBL-/AmpC-/carbapenemase-producing *Escherichia coli* isolated from fecal samples in dogs", **Alessia Facchin**

16:00 - "Developing tailor-made strategies in age- and follicular stage- dependent approaches for preantral follicles rescue in female fertility preservation programs", **Noemi Monferini**

Coffee break

16:45 - "The toxicity of organic compounds on PBMCs", **Luiz De Matos**

17:00 - "The effect of hydrolysed yeast on production performance and gastrointestinal health in broilers", **Nida Irshad**

17:15 - "Which animal-based measures (ABMs) of consciousness can be influenced by a poor stunning in lambs in an industrial abattoir?", **Marta Comin**

17:30 - "*In vitro* studies on the antimicrobial, antioxidant, and prebiotic activities of biochar derived from chestnut and vine residues", **Serena Reggi**

17:45 - "Evaluation of *Tenebrio molitor* larvae as alternative protein source in growing pigs", **Irene Ferri**

29th September

Morning session: Veterinary clinical and pathological sciences

Chairing the session: Laura Filippone Pavesi, Vincenzo Ferrulli

9:15 - Participant registration

9:30 - "Novel biomarkers for the diagnosis of sepsis and systemic inflammatory response syndrome (SIRS) in equine and bovine.", **Prof. Micaela Sgorbini and Francesca Bonelli, Università di Pisa, Italy**

10:15 - "Detection of Ferret Coronavirus and Hedgehog Coronavirus 1 in Domestic Ferrets and Hedgehogs in Italy", **Gabriele Ratti**

10:30 - "On-farm application of Precision Livestock Farming technologies in pair-housed dairy calves", **Gaia Pesenti Rossi**

10:45 - "Expression of periostin in cancer-associated fibroblasts in spontaneous canine urothelial carcinoma", **Eleonora Brambilla**

11:00 - "Evaluation of programmed death-ligand 1 expression in canine lymphoma using flow cytometry", **Alessandra Ubiali**

Coffee break

11:45 - "KIT as a potential therapeutic target in canine soft tissue sarcomas: immunohistochemical analysis and c-kit gene mutations ", **Silvia Dell'Aere**

12:00 - "Potential factors influencing complete functional recovery in traumatized stray cats with orthopedic lesions - a cohort study", **Francesco Ferrari**

12:15 - "MiR-30b-5p and miR-128-3p salivary expression in Cavalier King Charles Spaniels affected by myxomatous mitral valve disease", **Sara Ghilardi**

12:30 - "Urinary neutrophil gelatinase-associated lipocalin (uNGAL) in dogs: Clinical validation of a new rapid lateral flow test", **Filippo Tagliasacchi**

12:45 - "Feline head and hind-limb lymphography using near infrared fluorescence with indocyanine green: an ex vivo anatomical study in 11 cats", **Maria Elisa Gariboldi**

Afternoon session: Veterinary clinical and pathological sciences

Chairing the session: Eleonora Brambilla, Laura Musa

14:30 - "Epidemiological study of endoparasites in pigs at the beginning of fattening period in northern Italy", **Carolina Allievi**

14:45 - "Bronchoalveolar lavage fluid cytokine mRNA expression in different equine asthma phenotypes", **Chiara Maria Lo Feudo**

15:00 - "Computed tomography and clinical findings in 44 foals diagnosed with osteomyelitis", **Kajsa Emma Viktoria Gustafsson**

15:15 - "Investigation of the prevalence of ESBL-producing bacteria isolated from cattle farms in northern Italy and risk factors associated with the spread of antimicrobial resistance. Preliminary results", **Laura Filippone Pavesi**

- 15:30 - "Pulmonary artery stiffness in racehorses affected by Exercise-Induced Pulmonary Hemorrhage (EIPH)", **Chiara Bozzola**
- 15:45 - "Radiofrequency ablation in equine distal limbs: a cadaveric study. Preliminary results", **Martina Amari**
- 16:00 - "Mechanisms of chemoresistance in mammary gland tumor cells", **Patricia De Faria Lainetti**

16:30 - PANEL DISCUSSION
**Tackling Antibiotic Resistance in Veterinary
Medicine and Animal Sciences**
following: FAREWELL HAPPY HOUR