

**12-13-14
GIUGNO
2024**



77° CONVEGNO SISVET

Campus Universitario
Plesso Aule delle Scienze (ex Q02)

PARMA

PROGRAMMA A.M.V.



PROGRAMMA A.M.V. 77° CONVEGNO NAZIONALE SISVET

Mercoledì 12 GIUGNO (14.30 – 17.00)

Oral Communications

Nervous system

Chairs: *Anna Maria Grandis, Paola Scocco*

14.30 - 14.45 *Ex vivo* differentiation/maturation of hippocampal neurons and neural stem cell-derived oligodendrocyte precursor cells is altered by a short-chain PFAS pre-natal exposure - *Vito Antonio Baldassarro (UniBO)*

14.45 - 15.00 Where do the atypical long-range somatostatin projections go in the brain? A neuroanatomical study - *Giulia Salamanca (UniBO)*

15.00 - 15.15 Challenges in light sheet imaging for quantitative analysis of whole brain vascular net - *Luca Lorenzini (UniBO)*

Gastrointestinal system

Chairs: *Paolo Clavenzani, Francesca Mercati*

15.15-15.30 Neuron distribution and neurochemical characterization of the enteric submucosal plexuses in the pig vs. human colon - *Anna Costanzini (UniBO)*

15.30 – 15.45 Gut health and barrier in weanling piglets fed with a blend composed of carvacrol, tannic acid, and medium chain fatty acids; a nutritional strategy to shape the gastrointestinal tracts – *Lucia Aidos (UniMI)*

15.45 – 16.00 Nucleoside diphosphate kinases 1 and 2 regulate a protective liver response to a high-fat diet - *Domenico Iuso (UniTE)*



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Mercoledì 12 GIUGNO (14.30 – 17.00)

Oral Communications

Reproductive system

Chairs: *Silvia Modena, Luisa Ragionieri*

16.00 – 16.15 Morphological and molecular features of the fimbrial epithelium of the baboon *Papio hamadryas* oviduct during the menstrual cycle - *Salvatore Desantis* (UniBA)

16.15 – 16.30 Imaging Hydrogen Peroxide in bovine oocytes and early embryos using time lapse microscopy: challenges and opportunities - *Valentina Lodde* (UniMI)

16.30 – 16.45 Role of ion channels in the genital tract of prepubertal bitch - *Lidia Pansera* (UniME)

16.45 – 17.00 Protein localization and gene expression of the nerve growth factor and its cognate receptors in different testicle morphotypes of the grey squirrel (*Sciurus carolinensis*) living in the Umbria region - *Francesca Mercati* (UniPG)

17.30 - 18.00 Main Lecture - Prof.ssa Alessia Di Giancamillo (UniMI)

18.00 - 19.00 General Assembly - AMV



PROGRAMMA A.M.V. 77° CONVEGNO NAZIONALE SISVET

Giovedì 13 GIUGNO (14.30 – 15.30)

Poster presentation

Chairs: *Francesco Abbate, Francesca Ravanetti*

14.30 - 14.35 Investigating Prolonged Excessive Weight in Pigs as a Potential Model for Knee Osteoarthritis – *Mirko Sergio* (UniMI)

14.35 - 14.40 The meniscus vascularization: endostatin and vascular endothelial growth factor balance for tissue engineering purposes – *Marco Sbriz* (UniMI)

14.40 - 14.45 Establishing an *in vivo* analysis to explore the feeding behavior of *Nothobranchius furzeri* - *Aniello Vitale* (UniNA)

14.45 - 14.50 Comparative analysis of the primary motor cortex in pigs and wild boars: possible effects of domestication - *Giulia Lazzarini* (UniPI)

14.50 - 14.55 Examination of the microtubular cytoskeleton, in papain-dissociated canine primary neurons from fetal brain sampled in compliance with the principles of the 3Rs – *Sergio Gadau* (UniSS)

14.55 - 15.00 Effect of melatonin supplementation during *in vitro* maturation on developmental competence and tubulin organization of ovine oocytes during non-breeding season - *Sara Succu* (UniSS)

15.00 - 15.05 Validation of a rat embryonic stem cell model at pre- and post-implantation stage to reduce *in vivo* developmental toxicity testing - *Vito Antonio Baldassarro* (UniBO)



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Giovedì 13 GIUGNO (14.30 – 15.30)

Poster presentation

Chairs: *Francesco Abbate, Francesca Ravanetti*

15.05 - 15.10 Neurodevelopmental and neurobehavioral effects of in utero and pre-weaning exposure to short-chain per- and polyfluoroalkyl substances (PFAS) in rats - *Marzia Moretti* (UniBO)

15.10 - 15.15 Alzheimer's-like clinical phenotype is accelerated in young tg2576 mice by experimental colitis - *Lorenzo Zanella* (UniBO)

15.15 - 15.20 Skeletal development of rainbow trout fry (*Oncorhynchus mykiss*) reared in a recirculating aquaculture system with a tio₂-based photo-electrocatalysis filtering technique – preliminary results – *Lucia Aidos* (UniMI)

15.20 - 15.25 Gastric and duodenal visfatin expression in piglets fed with different polyphenolic supplements - *Daniele Marini* (UniPG)

15.25 - 15.30 Characterization of adipose-derived stem cells (asc) from subcutaneous and intramuscular fat: first step in realizing 3-d plant structures to produce adipose tissue for cell-based meat - *Giorgio Mirra* (UniMI)

Giovedì 13 GIUGNO (16.30 – 18.30)

Oral Communications

Embryology and Teaching Anatomy

Chairs: *Paolo de Girolamo – Sergio Gadau*

16.30 – 16.45 Presentazione Libro Embriologia - *Luciana Castaldo* (UniNA) & *Marco Vincenzo Patrino* (UniPD)



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Giovedì 13 GIUGNO (16.30 – 18.30)

Oral Communications

Embryology and Teaching Anatomy

Chairs: *Paolo de Girolamo, Sergio Gadau*

16.45 – 17.00 *In vitro* Differentiation of Definitive Endoderm from Sheep Epiblast - *Francesca Boffa* (UniTE)

17.00 – 17.15 Anatomical topics and tools to sensitize citizen towards the research social utility - *Paola Scocco* (UniCAM)

17.15 – 17.30 Methodology development for use of 3D scanners in education and anatomical research - *Claudio Tagliavia* (UniTE)

17.30 – 17.45 Breakthrough in Histo-Morphological Analysis: The Role of Artificial Intelligence - *Matteo Zoboli* (UniPR)

Respiratory, Integumentary and Musculoskeletal Systems and Regeneration

Chairs: *Alessia Di Giancamillo, Ettore Varricchio*

17.45 – 18.00 Unraveling lung epithelial cell dynamics through integrated morphological and omics analysis - *Roberta Ciccimarra* (UniPR)

18.00 – 18.15 The application of marine bioactive compounds to treat skin wounds - *Luca Melotti* (UniPD)

18.15 – 18.30 Mediterranean Sheep Breeds: histological investigation of the merinization grade in the Gentile di Puglia sheep - *Rossana Topputi* (UniBA)



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Venerdì 14 GIUGNO (8.30 – 10.00)

Oral Communications

Musculoskeletal, Integumentary and Respiratory Systems and Regeneration

Chairs: Vincenzo Miragliotta, Letizia Passantino

08.30 – 08.45 Effects of diet supplemented with bioactive molecules from *Olea europaea* L. in Casertana x Large White hybrid pigs (NeroaMetà) in extensive farming - *Maria Chiara Di Meo* (UniSannio)

08.45 – 09.00 Could a chitosan-based thermosensitive hydrogel be used in clinical applications for healing meniscal lesions? - *Valentina Rafaela Herrera Millar* (IRCCS Galeazzi)

09.00 - 09.15 Neurogenic Marker Expression in Ovine Achilles Tendon Regeneration: The Modulatory Role of Amniotic Epithelial Cells - *Melisa Faydaver* (UniTE)

09.15 – 09.30 Enhancing Tendon Regeneration: The Role of 3D PLGA Scaffolds in Modulating Ovine Amniotic Epithelial Stem Cell Paracrine Activity - *Giuseppe Prencipe* (UniTE)

Acquatics

Chairs: Cecilia Dall'Aglio, Carla Lucini

9.30 – 9.45 Histological and transcriptome analysis of the ovaries of wild and hatchery-produced greater amberjack (*Seriola dumerili*) - *Aldo Corriero* (UniBA)

9.45 – 10.00 Histological study of the effects of recombinant Fsh and Lh on spermatogenesis in pre-pubertal meagre (*Argyrosomus regius*) - *Gianluca Ventriglia* (UniBA)



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Venerdì 14 GIUGNO (10.30 – 11.15)

Oral Communications

Acquatics

Chairs: Cecilia Dall'Aglio, Carla Lucini

10.30 – 10.45 Transcript trends of leptin system and selected fertility markers in post-spawning zebrafish ovary - *Daniele Marini* (UniPG)

10.45 – 11.00 Exploring Spirulina's Lifelong Impact: A study on Zebrafish Fitness and Reproductive Performance - *Ferdinando Flagiello* (UniNA)

11.00 - 11.15 Myogenic potential and muscle assessment of gilthead seabream (*Sparus aurata*) following replacement of soybean meal with a blend of alternative protein meals - *Giorgio Mirra* (UniMI)

Venerdì 14 GIUGNO (11.15 – 12.45)

Oral Communications

Acquatics

Chairs: Laura, Calzà, Antonino Germanà

11.15 – 11.30 Short- and mid-term fasting impacts ribosomal protein S6 phosphorylation in zebrafish brain - *Maria Raggio* (UniNA)

11.30 – 11.45 Zebrafish spinal cord injury: a model for screening natural compounds enhancing recovery - *Mirea Sicari* (UniME)

11.45 – 12.00 Gut microbiota analysis in *Nothobranchius furzeri* model of diet-induced obesity - *Elena De Felice* (UniCAM)



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Venerdì 14 GIUGNO (11.15 – 12.45)

Oral Communications

Acquatics

Chairs: Laura, Calzà, Antonino Germanà

12.00 – 12.15 Characterization of taste and smell sense organs in the African turquoise killifish - *Elisa Fonsatti* (UniPD)

12.15 – 12.30 Exploring the effects of aging on olfactory and gustatory senses in *Nothobranchius furzeri* and *Mus musculus* - *Daniela Giaquinto* (UniNA)

12.30 – 12.45 Histological alterations in *Mytilus galloprovincialis* as early-warning signals under environmental changes: effects of 4-methylbenzylidenecamphor and temperature variations - *Alessia Cuccaro* (UniPI)