



Pisa Zebrafish day3.0

15th September 2023, CNR Research Area - Pisa

08:30 - 09:00 *Registration (room 27, building A, ground floor)*
09:00 - 09:10 Welcome and opening (organizing committee)

Session 1 - Disease

- 09:10 - 09:25 **Study of neurodegeneration and subcellular morphological changes in the fast-aging teleost *Nothobranchius furzeri***
Sara Bagnoli, Scuola Normale Superiore
- 09:25 - 09:40 **BRAFV600E oncogenic mutation in melanoma development and pigmentation**
Raffaella De Paolo, IFC-CNR
- 09:40 - 09:55 **Zebrafish tumor xenografts as tool for drug repurposing and personalized medicine**
Alice Usai, University of Pisa
- 09:55 - 10:10 **Danio rerio as a model to reveal new insight in ARSACS syndrome**
Valentina Naef, IRCCS Stella Maris
- 10:10 - 10:25 Selected talk from abstract
- 10:25 - 10:40 **Standard and custom-made behavioural monitoring solutions for Zebrafish**
Antoine Barbot- Viewpoint
- 10:40 - 11:10 *Coffee break*
- 11:10 - 12:10 **Plenary lecture-disease:**
Prof. Marina Mione, CIBIO, University of Trento, Italy

Session 2 - Development

- 12:10 - 12:25 **Unraveling epigenetic contribution in the etiology of neurodevelopmental disorders: prr12 and setd5 inactivation to model ID and ASD in zebrafish**
Alessia Muscò, University of Pisa
- 12:25 - 12:40 **Multiple CRISPR/Cas approaches to model human diseases using zebrafish: the case-study of Sotos syndrome, an example of syndromic autism with peculiar craniofacial alteration**
Erica Lucia Crapanzano, University of Pisa

- 12:40 - 12:55 **Modeling Pitt-Hopkins syndrome and new pathogenetic variants of TCF4 by gene editing: a step forward toward personalized medicine**
Martina Orefice, University of Pisa
- 12:55 - 13:10 Selected talk from abstract
- 13:10 - 13:25 Selected talk from abstract
- 13:25 - 14:30 *Lunch break*
- 14:30 - 15:30 **Plenary lecture-development**
Prof. Filippo Del Bene, Institut de la Vision, Paris, France

Session 3 - Animal welfare

- 15:30 - 15:45 **Aquaculture research and zebrafish model: application at the Department of Veterinary Sciences**
Chiara Sangiacomo, University of Pisa
- 15:45 - 16:00 Selected talk from abstract
- 16:00 - 16:15 Sponsor communication: Tecniplast
- 16:15 - 16:45 *Coffee break*

Session 4 - Regulation

- 16:45 - 17:15 Silvia Burchielli, DVM, Fondazione Gabriele Monasterio, Pisa, Italy
- 17:30 - 17:40 Conclusions
- 17:40 - 19:00 PI meeting

Scientific and organizing committee:

Laura Poliseo, CNR-IFC, CRL-ISPRO
Raffaella De Paolo, CNR-IFC
Francesco Cucco, CNR-IFC
Chiara Sangiacomo, University of Pisa
Alice Usai, University of Pisa
Sara Bagnoli, Scuola Normale Superiore
Martina Orefice, University of Pisa
Erica Lucia Crapanzano, University of Pisa
Alessia Muscò, University of Pisa
Silvia Burchielli, DVM, FTGM
Maria Marchese, IRCCS Fondazione Stella Maris

Contacts & Registration:

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Registration form: (link)

Organized by:

Clinical Physiology Institute CNR



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