



Pisa Zebrafish day3.0

September 15th 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:
Studying the interplay between cancer and immune responses in zebrafish models*
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:**
Dissecting zebrafish development with novel genome editing tools
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:

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

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Registration form:



Organized by:

Clinical Physiology Institute CNR



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