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 |

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                 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 commitee:
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 Poliseno, CNR-IFC, CRL-ISPRO
Chiara Sangiacomo, University of Pisa
Alice Usai, University of Pisa

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