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 setdb5 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
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Laura Poliseno, CNR-IFC, CRL-ISPRO
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Registration form:

Organized by:
Clinical Physiology Institute CNR

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