

September 15th 2023 CNR Research Area, Via Moruzzi 1, 56124 Pisa

Registration (building A, room 27, ground floor) 08:15 - 08:35

08:35 - 08:45 Welcome and opening

Session 1 - Disease

Chairs: Prof. Alessandro Cellerino, Scuola Normale Superiore Dr. Filippo Maria Santorelli, IRCCS Stella Maris 08:45 - 09:00 Study of neurodegeneration and subcellular morphological changes in the fast-aging teleost Nothobranchius furzeri Sara Bagnoli, Scuola Normale Superiore, Pisa (Italy) 09:00 - 09:15 BRAFV600E oncogenic mutation in melanoma development and pigmentation Raffaella De Paolo, CNR-IFC, Pisa (Italy) 09:15 - 09:30 Zebrafish tumor xenografts as tool for drug repurposing and personalized medicine Alice Usai, University of Pisa (Italy) 09:30-09:45 Sponsor communication: Standard and custom-made behavioural monitoring solutions for zebrafish - Antoine Barbot, Viewpoint 09:45 - 10:15 Coffee break 10:15 - 11:15 Plenary lecture: Studying the interplay between cancer and immune responses in zebrafish models

Prof. Marina Mione, CIBIO, University of Trento (Italy)

Session 2 - Development

	of. Chiara Gabellini, University of Pisa of. Massimiliano Andreazzoli, University of Pisa
11:15 - 11:30	Unraveling epigenetic contribution in the etiology of neurodevelopmental disorders: <i>prr12</i> and <i>setd5</i> inactivation to model ID and ASD in zebrafish Alessia Muscò, University of Pisa (Italy)
11:30 - 11:45	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 (Italy)
11:45 - 12:00	Modeling Pitt-Hopkins syndrome and new pathogenetic variants of <i>TCF4</i> by gene editing: a step forward toward personalized medicine Martina Orefice, University of Pisa (Italy)
12:00 - 12:15	1,3-1,6 β-Glucans restore impaired autophagy and mitochondrial respiration in the aging brain via a direct action Letizia Brogi, Scuola Normale Superiore, Pisa (Italy)
12:15 - 12:30	Decline in DNA repair and increased genome instability characterize aging of the immune system in turquoise killifish Gabriele Morabito, Leibniz Istitute on Aging, Jena (Germany)
12:30 - 13:45	Lunch break
13:45 - 14:45	Plenary lecture: Dissecting zebrafish development with novel genome editing tools

Prof. Filippo Del Bene, Institut de la Vision, Paris (France)

	egulation and Animal Welfare rof. Baldassare Fronte, University of Pisa
14:45 - 15:15	Silvia Burchielli, DVM, Fondazione Gabriele Monasterio, Pisa (Italy)
15:15 - 15:30	Aquaculture research and zebrafish model: application at the Department of Veterinary Sciences Chiara Sangiacomo, University of Pisa (Italy)
15:30 - 15:45	Zebrafish nutrition: a systematic approach to standardize feeding management Rosario Licitra, IRCCS Stella Maris, Pisa (Italy)
15:45 - 16:00	Early detection of endo-cellular parasites (<i>Microsporidia</i> and <i>Myxosporidia</i>) in zebrafish Gianluca Fichi, IZS-LT, Rome (Italy)
16:00 - 16:15	Sponsor communication: InterZebTEC: a new approach for the environmental monitoring of zebrafish colonies Tommaso Sala, Tecniplast
16:15 - 16:45	Coffee break

	merging Technologies Prof. Vittoria Raffa, University of Pisa
16:45 - 17:10	Two-photon imaging and dynamics of early gene expression during zebrafish embryo development Prof. Francesco Vanzi, University of Florence (Italy)
17:10 - 17:25	Photoswitchable nanoformulations for thermo-inducible DNA breaks and efficient delivery of gene editing complexes Soultana Konstantinidou, University of Pisa (Italy)
17:25 - 17:40	Neuro-electophysiological recordings in zebrafish larvae: an innovative and non invasive platform for drugs screening Marta D'Amora, University of Pisa (Italy)

17:40 - 17:50 Conclusions 17:50 - 19:20 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 Poliseno, CNR-IFC, CRL-ISPRO Chiara Sangiacomo, University of Pisa Alice Usai, University of Pisa

Contacts & Registration: zebrafishday23@gmail.com



Organized by: Clinical Physiology Institute CNR





Sponsored by:













