



PROGRAM

Wednesday, July 2nd, 2025

Department of Veterinary Sciences, Viale delle Piagge, 2
Aula Magna



9:00AM REGISTRATION

9:15AM WELCOME

Prof. Vincenzo Miragliotta, DSV Director,
Prof. Baldassare Fronte, Zebrafish Facility DSV
Research Manager & CCL3 Coordinator
Dr. Laura Poliseno, Consortium Presentation

9:45AM OPBA

Prof. Vittoria Raffa, Delegate for research
promotion in Life Sciences, University of Pisa

10:05AM ISTITUTO SUPERIORE DI SANITÀ

Prof. Ines Lacchetti, Network ZebOne: Zebrafish
for One Health

10:20AM INVITED SPEAKER

Moderators: Prof. B. Fronte, Dr. F.M. Santorelli

Prof. Mahanama De Zoysa, Chungnam National
University, Daejeon - South Korea

***"Application of Phage Therapy for Advancing
Sustainable Aquaculture"***

11:05AM COFFE BREAK

11:35AM SESSION 1: DISEASE MODELLING

Moderators: Prof. V. Raffa, Prof. M.Ori

Roberta Camera, Scuola Normale Superiore
***"Systemic Proteomic and Behavioural Insights
from BDNF Knockout Zebrafish"***

Francesca Remondino, University of Pisa
***"Modeling Pitt-Hopkins syndrome and new
pathogenetic variants of TCF4 (HOPEFOR)"***

Michela Giacich, IRCCS Fondazione Stella Maris
***"Investigating the role of Neuroinflammation in
ARSACS model"***

Giuseppe Neri, University of Pisa
***"Untangling Sotos Syndrome exploiting multiple
CRISPR/Cas approaches in Zebrafish"***

Matteo Paolini, CNR-IFC

"BRAF-220 and BRAF-204 Variants in Zebrafish Melanoma Models"

1:00PM LUNCH BREAK

2:00PM POSTER SESSION

2:30PM SESSION 2: ADVANCED TECHNOLOGICAL APPROACHES IN ZEBRAFISH RESEARCH

Moderators: Prof. C. Gabellini, Prof. L. Poliseno

Sara Bernardi, IRCCS Fondazione Stella Maris
"Purkinje cells as gatekeepers of seizure susceptibility: insights from optogenetics"

Soultana Konstantinidou, University of Pisa
"Beyond Traditional CRISPR: Light-Activated Genome Engineering in Zebrafish"

Marta d'Amora, Istituto Italiano di Tecnologia/ University of Pisa
"High-density electrophysiological recordings of neural activity across the whole brain of Zebrafish larvae"

3:20PM COFFEE BREAK

3:50PM SESSION 3: AGING AND BEHAVIOUR

Moderators: Prof. A. Cellerino, Prof. M. Andreazzoli

Luca Dolfi, Scuola Normale Superiore
"Change your life(span) one "day" at a time"

Motahareh Ehsani, Scuola Normale Superiore
"Fin-Telligent Tracking: A Real-Time System for Fish Behavior Analysis"

Emanuele Astoricchio, Stazione Zoologica "Anton Dohrn"/ Scuola Normale Superiore
"SharkAge: how to disentangle age mechanisms in sharks"

Valentina Gazzano, University of Pisa
"Are Zebrafish Optimistic? - Exploring Cognitive Bias in Laboratory Fish"

5:00PM CLOSING REMARKS & PI MEETING

Organizing Committee

Baldassare Fronte, Department of veterinary sciences
Rosario Licitra, Department of veterinary sciences
Valentina Gazzano, Department of veterinary sciences
Martina Di Filippo, Department of veterinary sciences

Serena Mero, IRCCS Fondazione Stella Maris
Valentina Naef IRCCS Fondazione Stella Maris

Rosa Scarpitta, Department of Biology, Unit of Cellular and Developmental Biology

Soultana Konstantinidou, Department of Biology, Unit of Cellular and Developmental Biology

Alessia Muscò, Department of Biology, Unit of Cellular and Developmental Biology

Matteo Digregorio, Department of Biology, Unit of Cellular and Developmental Biology

Martina Orefice, Department of Biology, Unit of Cellular and Developmental Biology

Francesca Remondino, Department of Biology, Unit of Cellular and Developmental Biology

Giuseppe Neri, Department of Biology, Unit of Cellular and Developmental Biology

Raffaella De Paolo, IFC-CNR

Matteo Paolini, IFC-CNR

Elena Chiavacci, Scuola Normale Superiore, Laboratorio di Biologia Bio@SNS

Sara Bagnoli, Scuola Normale Superiore, Laboratorio di Biologia Bio@SNS



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