

# Content

The webinars will ensure that young and senior scientists of the Italian and International Zebrafish community share their scientific experience and learn about latest research and cutting-edge research tools and technologies.



## ORGANIZING COMMITTEE

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# Italian Zebrafish 2021-2022

webinar  4 & 11 February, 2021

in collaboration with

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CNR - Institute of  
Biomolecular Chemistry



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ZF-MED  
ZEBRAFISH AND OTHER  
AQUATIC MODELS IN  
MEDITERRANEAN LABS

PROGRAM



Thursday February 4st

15:00 - 15:10

Welcome and introduction

15.10 - 15.25

**Characterising ontogeny of numerosity discrimination in zebrafish**

Eva Sheardown - Queen Mary University of London, UK

15.25 - 15.40

**Adrenergic activation modulates the signal from the Reissner fiber to cerebrospinal fluid-contacting neurons during development**

Yasmine Cantaut-Belarif - Paris Brain Institute, Sorbonne Université, Paris, France

15.40 - 15.55

**Histomolecular characterization of zebrafish models for POLG-related disorders**

Raquel Brañas Casas - Department of Biology, University of Padua, Italy

15.55 - 16.10

**Arrhythmogenic cardiomyopathy zebrafish models: physical effort implication in pathogenic events and new therapeutic targets identification**

Giovanni Risato - Department of Cardiac-Thoracic-Vascular Sciences and Public Health, University of Padua, Italy

16.10 - 16.25

**GR and metabolism: analysis of GR function in the regulation of mitochondrial activity**

Annachiara Tesoriere - Department of Biology, University of Padua, Italy

16.25 - 16.40

**Aging of the zebrafish thyroid gland involves macrophage infiltration inside the thyroid follicle lumen**

Sumeet Pal Singh - IRIBHM, Université Libre de Bruxelles, Belgium

16.40 - 16.55

**Zebrafish patient avatars in precision cancer therapy**

Alice Usai - Department of Biology, University of Pisa, Italy

16.55 - 17.10

**Zebrafish models in melanoma research: analysis of coding and non-coding BRAFV600E variants**

Raffaella De Paolo - IFC-CNR, Pisa, & Oncogenomics Unit, CRL-ISPRO, Pisa, Italy

17.10

Concluding remarks

Thursday February 11th



15.00 - 15.10

Welcome and introduction

15.10 - 15.40

**Potential action of phages as immunomodulators in cystic fibrosis**

Anna Pistocchi - Department of Medical Biotechnology and Translational Medicine, University of Milan, Italy

15.40 - 16.10

**Deficiency in dTTP metabolism causes a lethal vanishing brain disease**

J.M. Vanoevelen - Department of Clinical Genetics, Medical Centre, & GROW - School for Oncology and Developmental Biology, Maastricht University, The Netherlands

16.10 - 16.40

**Zebrafish (Danio rerio) as a nutraceutical animal model**

Roberta Imperatore - Department of Sciences and Technologies, University of Sannio, Italy

16.40 - 17.10

**Zebrafish enrichment: a review of the evidence**

Chloe Stevens - Animals in Science Department, RSPCA, Horsham, UK

17.10

Concluding remarks

## SCIENTIFIC COMMITTEE

Massimiliano Andreazzoli

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