19th NATIONAL CONGRESS OF THE ITALIAN SOCIETY FOR NEUROSCIENCE

SINS 2021

9 - 11 SEPTEMBER VIRTUAL CONGRESS

ZEBRAFISH: AN EXPERIMENTAL MODEL WITH MULTIPLE APPLICATIONS IN NEUROSCIENCE

September 8 2021

The aim of the workshop is to provide an overview on the possible applications of zebrafish as vertebrate model in neurodevelopment and neurodegenerative diseases. The workshop will be divided in two sections: an introduction regarding general information and advantages about the use of zebrafish in basic and translational research and a practical interactive course to perform in situ hybridization technique, images acquisition and behavioral studies. Participants will be actively involved in live session of light sheet imaging and behavioral studies concerning neurodevelopment and neurodegenerative disorders using zebrafish knock out and transgenic models.

Organizers

Daniela Zizioli
Alessia Muscò
Arianna Bellucci

Program

8.30-9.30
Advantages and possible applications of zebrafish in neuroscience.
Dott.ssa Daniela Zizioli, Zebrafish Facility, University of Brescia

9.30-10.30
Neurodevelopmental pathways: from molecular biology to protein expression.
Dott.ssa Alessia Muscò, Chiara Tobia, University of Brescia

10.30-11.30
The connection between neurodevelopment and behavior: when the image analysis meets behavioural studies.
Dott.ssa Melita Zadel, Noldus Information Technology
Dott.ssa Alessia Muscò and Dott. Luca Mignani, University of Brescia

11.30-12.30
Practical guide to light sheet acquisition and analysis.
Dr. Jacques Paysan. Product & Application Sales Specialist,
ZEISS Research Microscopy Solutions

14.30-15.30
Practical course to clarified zebrafish brain tissue preparation, image acquisition and analysis.
Dott.ssa Alessia Muscò , Dr. Jacques Paysan.

Under the auspices of :

UNIVERSITÀ DEGLI STUDI DI BRESCIA

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REGISTRATION IS FREE OF CHARGE. *A maximum of 25 participants selected from different Institutions is allowed. Participants must be registered for the 19th SINS conference.*
Registration deadline: August 15 2021.
***Please send registration requests to**: daniela.zizioli@unibs.it*