Poster Session 1
Thursday April 3rd, 2025
12.30 PM - 3.00 PM

03-01 Behavioural phenotyping of adult zebrafish using the open-source software ToxTrac
Presented by Adriana Campos - Universidade de Fortaloza - Brazil

03-02 A new model for studying focal stroke in adult zebrafish
Presented by Adriana Campos - Universidade de Fortaloza - Brazil

03-03 Mapzebrain atlas resource: new and upcoming developments
Presented by Joseph Donovan - Max Planck Institute for Biological Intelligence - Germany

03-04 Skeletal muscle regeneration after extensive cryoinjury of caudal myomeres in adult zebrafish
Presented by Anna Jazwinska - University of Fribourg - Switzerland

03-05 Thyrotropin-Releasing Hormone is the hatching hormone in fish
Presented by Matan Golan - Hebrew University of Jerusalem - Israel

03-06 Exploring the transition of retinal ganglion cell types from larval to adult stage
Presented by Eva Laurell - Max Planck Institute for Biological Intelligence - Germany

03-07 Towards a tectal connectome
Presented by Dominique Foerster - University of Cologne - Germany

03-08 Disrupted Brain Lateralization in Neurodevelopmental Disorders: Insights from Zebrafish and Valproic Acid Exposure
Presented by Andrea Messina - University of Trento - Italy

03-09 Making Functional Neuronal Circuitry: How are Spinal Cord Interneurons with Appropriate Functional Properties Specified During Development.
Presented by Katharine Lewis - Syracuse University - USA

03-10 Investigating Polymorphisms Associated with Skin Hypopigmentation in a Native American Caribbean Population
Presented by Khai Ang - Penn State College of Medicine - USA

03-11 Pgk1-derived peptides as potential therapeutics for ALS: promoting motor neuron survival and delaying disease progression
Presented by Cheng-Yung Lin - Mackay Medical College - Taiwan

03-12 Galectin-3 in Zebrafish: Insights into Arrhythmogenic Cardiomyopathy and Potential Interventions
Presented by Natascia Tiso - University of Padova - Italy

03-13 Regulation of photoreceptor stress responses in diabetic retinopathy
Presented by Robin Kimmel - University of Innsbruck - Austria

03-14 PJA2 ubiquitin ligase in glioblastoma: role in telomere integrity and in cancer cells proliferation
Presented by Concetta Ambrosino - University of Napoli Federico II - Italy

03-15 Deleterious mutations in the NR6A1 gene lead to MRKH syndrome
Presented by Bernard Peers - Université de Liège - Belgium

03-16 Epigenetic Disordering Drives Stemness, Senescence Escape and Tumor Heterogeneity in a Zebrafish Model of Liver Cancer
Presented by Kirsten Sadler - NYU Abu Dhabi - UAE

03-17 Roles of mitochondrial protein Atad3 in visual system development and function
Presented by Adi Inbal - The Hebrew University of Jerusalem - Israel

03-18 Zebrafish Embryo as an Alternative to Evaluate Wastewater Effluent by Mortality and Behavioral Assessment
Presented by May-Su You - National Health Research Institute - Taiwan

03-19 Zebrafish gon4la and gon4lb mutants phenocopy the postnatal growth restriction and artery stenosis found respectively in GON4L-mutated and YY1AP1-mutated patients
Presented by Yun-Jin Jiang - National Health Research Institute - Taiwan

03-20 A new stable transgenic zebrafish line expressing mCherry-tagged human alpha-synuclein in the nervous system and exhibiting all the key features of Lewy body disorders at larval stage
Presented by Daniela Zizioli - University of Brescia - Italy

Poster Session 1
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12.30 PM - 3.00 PM

03-21 Generating zebrafish models for pathogenicity prediction of retinal disease gene RLBP1.
Presented by Breandan Kennedy - University College Dublin - Ireland

03-22 Dissection of the SOX2 gene regulatory network in the developing visual system
Presented by Sara Mercurio - University of Milano - Italy

03-23 Correlative light and electron microscopy reveals the fine circuit structure underlying evidence accumulation in larval zebrafish
Presented by Jonathan Boulanger Weill - Institut de la Vision & Harvard University - France/USA

03-24 Combining multi-behavioral phenotyping and neuroactivity fingerprints to identify chemical mode of action
Presented by Tamara Tal - UFZ - Germany

Friday April 4th, 2025
12.30 PM - 3.00 PM

04-01 Identification of novel functions for sox9a and sox9b in brain and neurovascular development
Presented by Jessika Plavicki - Brown University - USA

04-02 Early neuronal calcium signals and emergence of encephalic networks during zebrafish embryogenesis
Presented by Francesco Vanzi - University of Florence - Italy

04-03 In vivo High-throughput Screen reveals Pimozide as positive regulator of cardiomyocyte proliferation
Presented by Anja Buehler - Ulm University Hospital - Germany

04-04 Metabolic Implications of PYGM Deficiency in Zebrafish: A Model for McArdle Disease
Presented by Marta Migocka-Patrzalek - University of Wroclaw - Poland

04-05 Using humanized zebrafish models to investigate the genetic landscape of Progressive Supranuclear Palsy (PSP) in Lebanon: a study in its early stages.
Presented by Jihane Soueid - American University of Beyrouth - Lebanon

04-06 Zebrafish models of defective pseudouridylation provide insights into the ethiology of ribosomopathies
Presented by Maté Varga - ELTE Eötvös Loránd University - Hungary

04-07 HDAC8 and HDAC6 combined inhibition: a new frontier in glioblastoma treatment
Presented by Anna Pistochi - University degli Studi di Milano - Italy

04-08 Epithelial dynamics across biological scales – Protecting early development by phagocytosis
Presented by Estaban Hoijman - Spanish Research Council - Spain

04-09 Therapeutic potential of HDAC8 inhibition and SIRT1 activation in Duchenne muscular dystrophy
Presented by Alex Pezzota - University degli Studi di Milano - Italy

04-10 Tissue-tissue interactions and epithelial remodeling drive the remodeling of the zebrafish nostril
Presented by Marion Baraban - IBPS, INSERM, CNRS - France

04-11 Modelling rare RNU4ATAC-associated microcephalic syndromes in zebrafish
Presented by Marion Delous - CRNL Lyon - France

04-12 Neural mechanisms of corollary discharge and dopaminergic modulation in zebrafish sensorimotor integration
Presented by Johann Bollmann -University of Freiburg - Germany

04-13 Chemically-induced oxidative stress: quantification of reactive oxygen species in zebrafish embryos
Presented by Harm Heusinkveld - National Institute for Public Health and the Environment, Netherlands

04-14 Cytoneme-mediated transport of active Wnt5b/Ror2 complexes
Presented by Steffen Scholpp - Exeter University - UK

04-15 Testosterone acts through the membrane protein GPRC6A to cause cardiac phenotypes in zebrafish embryos
Presented by Daniel Gorelick - Baylor College of Medicine - USA

04-16 Disrupted Brain Lateralization in Neurodevelopmental Disorders: Insights from Zebrafish and Valproic Acid Exposure
Presented by Andrea Messina - University of Trento - Italy

04-17 A Zebrafish Model To Study Prolonged Exposure To Aminoglycoside Antibiotics
Presented by Alejandro Barrallo - University of Barcelona - Spain

04-18 Impact of maternal and zygotic transcripts on mutant setd5-driven neurodevelopmental defects in zebrafish.
Presented by Massimiliano Andreazzoli - University of Pisa - Italy

04-19 Hindbrain somatotopy represents lateral line sensor position across body axes relative to flow direction
Presented by Elias Lunsford -Paris Brain Institute- France

04-20 A recombinant ubiquitin promoter enables highly efficient tamoxifen-inducible recombination in adult zebrafish
Presented by Darius Balciunas - Vilnius University - Lithuania

04-21 Modeling Pitt-Hopkins syndrome and new pathogenetic variants of TCF4 by gene editing: a step forward toward precision medicine (HOPeFOR)
Presented by Michela Ori - University of Pisa - Italy