



First tefor symposium - 16th December 2013

« New advances in basic and biomedical research
thanks to zebrafish, fruit fly, and some of their friends »

FIAP Jean Monnet, 30 rue Cabanis, 75014 PARIS

MORNING

8h30 // Welcome

- ▶ 9h00 // Introduction by Jean-Stéphane JOLY, tefor scientific coordinator

// WHAT'S NEW IN THE ZEBRAFISH BRAIN? //

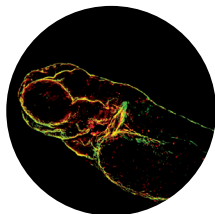
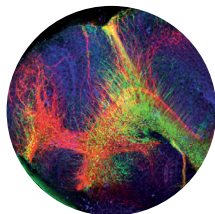
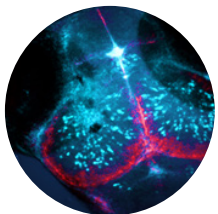
- ▶ 9h10 **Jean-Stéphane Joly** (CNRS, France): What's special about midbrain stem cells?
- ▶ 9h30 **Uwe Strähle** (KIT, Germany): Neurogenesis in the zebrafish
- ▶ 9h50 **Steve Wilson** (UCL, England): From genes to neuroanatomy and circuits in the fish brain
- ▶ 10h10 **Filippo Del Bene** (Curie Institute, France): Homeostatic regulation of synapses formation and axonal development in the optic tectum

10h30 // Coffee break (hall)

// ZEBRAFISH AND HUMAN DISEASES //

- ▶ 11h00 **Monte Westerfield** (Univ. of Oregon, USA): Diagnostics and therapeutics for human Usher syndrome from zebrafish models
- ▶ 11h20 **Stefan Schulte-Merker** (Hubrecht Institute, The Netherlands): From fish embryos to human patients: fewer vessels, but more bones
- ▶ 11h40 **Bo Zhang** (College of Life Sciences, China): Kctd10 controls atrioventricular canal formation during heart morphogenesis by modulating Tbx5a activity in zebrafish

12h20 // Lunch (Cafeteria)



AFTERNOON

// WHAT ABOUT FLIES? //

- ▶ 13h30 **Krzysztof Jagla** (Univ. Of Clermont-Ferrand, France): Building Drosophila lines collection for intersectional approaches and its potential applications for cell type specific genomics
- ▶ 13h50 **François Rouyer** (CNRS, France): The tefor drosophila brain project
- ▶ 14h10 **Katja Bühler** (VRVis Zentrum, Austria): Brain* - Software for Neuro Circuit Research
- ▶ 14h30 **Volker Hartenstein** (Univ. of California, Los Angeles): Pattern of proliferation and morphogenesis in the Drosophila visual system
- ▶ 14h50 **Dana Carroll** (Univ. of Utah, USA): Nuclease-mediated genome engineering in Drosophila

15h10 // Coffee break (hall)

// A CLOSER LOOK AT EMBRYOS //

- ▶ 16h00 **Willy Supatto** (Ecole Polytechnique, France): Advanced multiphoton microscopy for imaging embryos
- ▶ 16h20 **Patrick Lemaire** (CNRS, France): Making similar embryos with divergent genomes: the ascidian paradigm
- ▶ 16h40 **Nadine Peyriéras** (CNRS, France): A complex systems approach of embryonic morphogenesis
- ▶ 17h00 **Olaf Ronneberger** (Univ. of Freiburg, Germany): The methods behind the ViBE-Z platform and planned extensions
- ▶ 17h20 **Philippe Andrey** (INRA, France): Modelling cell division patterns in Arabidopsis early embryogenesis
- ▶ 17h40 **Arnim Jenett** (CNRS, France): Diverse Data, Common Structures: data management for the tefor platform

18h00 // End

