



Swiss Zebrafish Meeting 2022 at the Biozentrum, Basel June 10th 2022

Program:

- 9:00 – 9:45** Registration with coffee and croissants
- 9:45 – 11:20** Opening Remarks and Session 1
- 10:00 – 10:20 *Hybrid cell-lineages and a novel population of plastic δ -cells enable zebrafish to reverse the course of diabetes*
Nikolay Ninov, Center for Regenerative Therapies Dresden, Germany
- 10:20 – 10:40 *Multispectral, live and ultrastructural imaging approaches to study tubular connectivity in the liver*
Sara Caviglia, University of Zurich
- 10:40 – 11:20 *Reconstructing Cellular Biographies*
Alex Schier, Biozentrum, Basel
- 11:20 - 11:50** Poster Session1 and coffee
- 11:50 – 13:15** Session 2
- 11:50 – 12:10 *Neuronal dynamics and function of the zebrafish forebrain in olfactory perception*
Caudullo Tommaso, Friedrich-Miescher-Institute, Basel
- 12:10 – 12:30 *Spatiotemporal emergence of somatosensory neuron diversity*
Joaquín Navajas Acedo, Biozentrum, University of Basel
- 12:30 – 13:10 *A multimodal digital atlas for mapping genes, circuits and behavior in the larval zebrafish brain*
Herwig Baier, Max-Planck Institute for Biological Intelligence, Munich, Germany
- 13:10 – 14:30** Poster Session 2, lunch break
guided tour of the Schier lab fish facility
(registered participants only)

14:30 – 16:00	Session 3
14:30 – 14:50	<i>Evolution of pigment patterning in Danio species</i> Uwe Irion , Max-Planck-Institute for Biology, Tuebingen, Germany
14:50 – 15:10	<i>Generating a toolbox for ‘on demand’ manipulation of tissue organization via Rho GTPases in the embryonic zebrafish</i> Robert Bill , University of Zurich
15:10 – 15:30	<i>Mechanics of body axis morphogenesis in zebrafish embryos with robot-assisted microsurgery</i> Ece Ozelci , EPFL, Lausanne
15:30 – 15:50	<i>Cytoneme-mediated transport of active Wnt5b/Ror2 complexes in zebrafish gastrulation</i> Steffen Scholpp , Living Systems Institute, University of Exeter, UK
15:50 – 16:30	Poster Session 3 and coffee
16:30 – 18:00	Session 4
16:30 – 16:50	<i>Zebrafish model to study autophagy and lysosomal processing in zebrafish cardiovascular development</i> Myra Chavez , University of Bern
16:50 – 17:10	<i>In the belly of the microglia: investigating the role of the gastrosome in phagocytosis</i> Joanna Zaręba , University of Zurich
17:10 – 17:50	<i>Development of the Blood Brain Barrier in Zebrafish</i> Wiebke Herzog , Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany
18:00 -	Closing Remarks and Aperó, in front of the Lecture Hall
Venue address:	The meeting takes place Maurice-E-Müller-Saal (U-1.111) at the Biozentrum, Spitalstrasse 41, 4056 Basel (Switzerland)