

7th Tri-Regional Developmental Biology and Stem Cell Meeting

Thursday 15 October

08:15-08:35 Admission

08:35-08:45 Welcome address (Aimée Zuniga)

08:45-09:30 Keynote lecture 1

Thomas Lecuit IBDM Marseille, Collège de France

Deterministic and self-organisational modes of morphogenetic information.

09:30-10:00 **Session 1** *Giorgos Pyrowolakis (chair)*

09:30-09:45 **Maëva Luxey** DUW Zoology, University of Basel

Towards a molecular understanding of digit-specific axon guidance in native and polydactyl limbs.

09:45-10:00 **Aynur Kaya-Copur** IBDM, Aix-Marseille University

The Hippo pathway controls myofibril assembly and muscle fiber growth by regulating sarcomeric gene expression.

10:00-10:20 Coffee Break (there will be "breakout rooms")

10:20-11:40 **Session 2** *Anne-Cécile Reymann (chair)*

10:20-10:35 **Olimpia Bompadre** Genetic Medicine and Development, University of Geneva

The regulatory impact of single enhancer loss during organ development.

10:35-10:50 **Marco Osterwalder** DBMR, University of Bern

A gene desert required for regulatory control of pleiotropic Shox2 expression and embryonic survival.

10:50-11:05 **Jonas Malkmus** DBM, University of Basel

Spatial cooperativity of ancient Grem1 enhancers controls digit robustness and evolutionary plasticity.

Flash talks (11:05-11:40)

Jose Rivera Alvarez IGBMC, Strasbourg

Kinesin Kif21b is involved in migration of projection neurons potentially by interaction with actin cytoskeleton.

Anne Classen CISA, University of Freiburg

The Coordination of epithelial and germline morphogenesis in *Drosophila* egg chambers .

Magdalena Brislinger Nephrology, University Clinic Freiburg

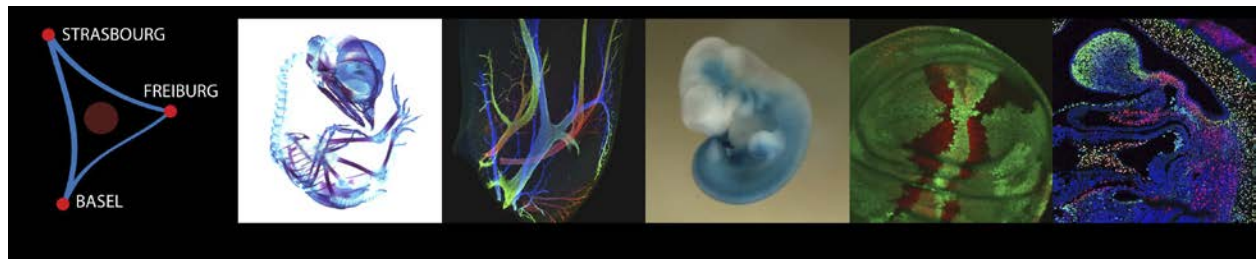
Temporal integration of Notch signaling in mucociliary epithelia.

Maximilian Hass Nephrology and ZBSA, University Clinic Freiburg

Deciphering Wnt signaling in mucociliary epithelial development.

Shalu Jhanwar DBM, University of Basel

Cross-species Analysis Reveal Regulatory Loci Underlying Limb Diversity.



Friday 16 October

08:45-09:00 Admission

09:00-10:00 **Session 3** Sebastian Arnold (chair)

09:00-09:15 **Simone Probst** Institute of Pharmacology, University of Freiburg

Spatiotemporal sequence of mesoderm and endoderm lineage segregation during mouse gastrulation.

09:15-09:30 **Christian Sigloch/Adrian Hauber** Developmental Biology/Institute of Physics, University of Freiburg

In vivo analysis of cell-autonomous Her6 oscillations in thalamic stem cells.

09:30-09:45 **Sandra Kessler** FMI, Basel

Regulatory Mechanisms of Pinna Morphogenesis and Auricular Cartilage Specification.

9:45-10:00 **Maria Kotini** Biozentrum, University of Basel

Vinculin controls endothelial junctional tethers during vascular lumen formation.

10:00-11:10 Coffee Break (there will be "breakout rooms")

10:20-12:15 **Session 4** Patrick Tschopp (chair)

10:20-10:35 **Laia Ortiz Lopez** IGBMC, University of Strasbourg

Yap/Wwtr1-Tead activity during proepicardial cluster formation.

10:35-10:50 **Catherine Pfefferli** Department of Biology, University of Freiburg

HRas-induced cardiac neoplasia shares common features with heart regeneration in zebrafish.

Flash talks (10:50-11:05)

Victorio Palacio DBM, University of Basel

The molecular robustness of the self-regulatory limb bud signaling system.

Clara-Maria Eil CISA and Developmental Biology, University of Freiburg

Protein manipulation using single copies of short peptide tags in vivo.

11:05-11:50 **Keynote lecture 2**

Nadine Vastenhouw MPI Dresden, CIG Lausanne

Firing up the genome. The role of nuclear organization in developmental gene expression.

11:50-12:00 Concluding remarks (Patrick Tschopp)