

# 10<sup>th</sup> Tri-Regional Stem Cell and Developmental Biology Meeting

Basel (CH) | Strasbourg (F) | Freiburg (D)

## 09:15-09:55 Registration & Welcome Coffee

09:55-10:00 **Welcome Address** [Patrick Tschopp]

10:00-10:45 **Keynote lecture 1** [chair Aimée Zuniga]

**Nadia Mercader, University of Bern**

*Investigations on the mechanisms of heart regeneration in the zebrafish*

10:45-12:05 **Session 1** [chair Giorgos Pyrowolakis]

10:45-11:05 **Maulik Nariya, IGBMC Strasbourg**  
*Deciphering the molecular mechanisms of interplay of cell cycle and cell differentiation*

11:05-11:25 **Joaquin Navajas Acedo, Biozentrum Basel**  
*Spatiotemporal emergence of somatosensory neuron diversity*

11:25-11:45 **Marta Roccio, University of Zürich**  
*Human pluripotent stem cells-derived inner ear organoids recapitulate otic development in vitro*

11:45-12:05 **Anna Pancho, DBM Basel**  
*Studying the osteochondrogenic lineage contribution of Grem1 during limb development using micromass and microfluidics culture systems*

12:05-12:15 **Sponsor Address**

**Boris Laukas, 10x Genomics**

*Novel technologies for spatial transcriptomics*

## 12:15-14:00 Lunch & Poster Session

14:00-16:00 **Session 2** [chair Anne-Cécile Reymann]

14:00-14:20 **Charisios Tsiairis, FMI Basel**  
*The metabolic impact on hydra tissue patterning and regeneration*

14:20-14:40 **Simone Probst, University of Freiburg**  
*EMT dynamics during mesoderm and endoderm morphogenesis in the mouse embryo*

14:40-15:00 **Zeinab AlHajj Hassan, IGBMC Strasbourg**  
*Unravelling the impact of peripheral macrophages on brain development*

15:00-15:20 **Ludovico Maggi, Biozentrum Basel**  
*Dynamic regulation of actomyosin tension within junction-based lamellipodia drives endothelial cell rearrangements during blood vessel morphogenesis*

15:20-15:40 **Sevi Durdu, FMI Basel**  
*Chromatin-dependent motif syntax defines differentiation trajectories*

15:40-16:00 **Virginia Roland, University of Bern**  
*Functional architecture of cardiac TF regulatory landscapes in control of mammalian heart development*

## 16:00-16:30 Coffee Break

16:30-17:15 **Keynote lecture 2** [chair Patrick Tschopp]

**Nicoletta Petridou, EMBL Heidelberg**

*Collective regulation of cell fate decisions*

17:15-17:20 **Concluding Remarks** [Aimée Zuniga]

## 17:20-19:00 Apéro