11th Tri-Regional Stem Cell and Developmental Biology Meeting

September 19th, 2025

Venue:
Institute for Biology I
Hauptstrasse 1
79104 Freiburg

PROGRAM

9:00-9:40 *Registration*

9:40 *Welcome Address*

PLENARY TALK: 9:45-10:45

Ivan BEDZHOV
Cellular mechanisms of peri-implantation development and embryo dormancy

10:45-11:15 Coffee break

SESSION I: 11:15-12:30

Juliane GLASER
Enhancer adoption by a retrotransposon generates viral-like particles, causing developmental limb phenotypes

Claire RICHARD
Transition in the RNA polymerase II machinery during Zygotic Genome Activation

Sarah BOWDEN
Revealing the specification of multiciliated cells through temporal multiomics

Mahassen EL KHOURY
Role of the Ikaros transcription factor in embryonic blood cell development

Jan ROTHENPIELER
Notch-independent Her6 controls neural stem cell maintenance by shifting Notch signaling from lateral inhibition to lateral induction mode

12:30-14:00 Lunch break & POSTERS

SESSION II: 14:00-15:00

Katrin KIERDORF
Early microglia progenitors colonize the embryonic CNS via integrin-mediated migration from the pial surface

Smrithi KIZHAKKENOTTIYATH SHASTHADEVAN
The role of early wave macrophages in Drosophila homeostasis, immunity and health

Anuj SHUKLA
Developmental Dynamics and Functional Roles of Inositol Phosphates in Drosophila melanogaster

Marylène BONVIN
The role of metabolism during Hydra tissue patterning and regeneration

15:00 - 15:30 Coffee break

SESSION III: 15:30-16:15

Anne CLASSEN
A JAK/STAT-Pdk1-S6K axis bypasses systemic growth restrictions to promote regeneration

Thomas HEIMBUCHER
Metabolic signaling controls intergenerational adaptive responses in progeny through peroxisomal catabolism

Antoine FAGES
Adaptive cellular evolution in the intestinal tracts of hyperdiverse African cichlid fishes

PLENARY TALK: 16:15 -17:15

Cassandra EXTAVOUR
Shape shifting: mechanical mechanisms regulating the formation of square cells in embryonic epithelia

17:15 ***Closing Remarks***

DRINKS & POSTERS