

Tuesday, April 19

07:30 Bus Departure at Bioquant
09:00 Arrival at Tagungsstätte Löwenstein in Löwenstein-Reisach; Luggage Deposit
09:30-10:15 Coffee

Short-Talk Session I Chair: Christophe Galliochet and Michael Gebert

10:30-10:45 Welcome, Stefanie Höger
10:45-12:30 **Isabel Krämer:** Heterogeneities among stem cells in vivo
Arturo Gutierrez: Molecular approaches to dissect regulatory networks in the vertebrate retina: from stem cells to photoreceptors
Tinatini Tavhelidse: Functional approaches addressing the bipartite retinal stem cell niche in fish
Stefanie Kuen: Embryogenesis and Gastrulation in Hydra
Stefanie Höger: Hydra Head Regeneration and the Impact of Signaling-Pathways
12:30-14:00 Lunch and Check-in

Short-Talk Session II Chair: Isabel Krämer and Arturo Gutierrez

14:00-15:30 **Eugen Rempel:** Galaxy server, a web-based NGS analysis tool
Nicolas Dross: Two-photon microscopy applications
Christophe Galliochet: An integrated approach to characterize shoot stem cell activity in *Arabidopsis thaliana*
Andrej Miotk: Stem Cell Maintenance in the Shoot Apical Meristem of *Arabidopsis thaliana* by the Homeodomain-Transcriptionfactor WUSCHEL
Ivan Lebovka: Computational Model of Cambium Dynamics Provides New Insights into the Organization of Bifacial Stem Cell Niches

Social Event

15:30-19:30 social event including Coffee and Cake
19:30-20:30 Dinner at Tagungsstätte Löwenstein
20:30-open end Bowling, Billard, Football Table, Ping-Pong and Drinks

Wednesday, April 20

07:30-08:30 Breakfast

Short-Talk Session III Chair: Borhan R. Saeed and Elias Eckert

08:30-10:00 **Eva-Sophie Wallner:** The Strigolactone-associated SMXL4 and SMXL5 genes regulate meristem activity by altering sugar distribution
Fani Papagiannouli: Genome-wide identification of abd-A and Zfh-1 target genes reveals new somatic stem and cyst cell factors in the *Drosophila* testis

Srividya Tamirisa: Identification and characterization of novel stem cell regulators in drosophila testis

Philipp Linke: Adhesion Mechanics and Spatio-Temporal Pattern Formation in Human Stem Cells

Thomas Stiehl: Understanding heterogeneity in acute leukemias - contributions from mathematical modeling

10:00-10:30

Coffee

Short-Talk Session IV Chair: Philipp Linke and Peer Wünsche

10:30-12:00

Nina Cabezas-Wallscheid: Molecular and Functional Heterogeneity of Dormant HSCs

Roberta Scognamiglio: Myc Depletion Induces a Pluripotent Dormant State Mimicking Diapause

Leila Martins: Studying lung stem cells in tissue maintenance and repair

Nikolaus Dietlein: Towards the role of histone H2B mono-ubiquitination in the hematopoietic system

Elias Eckert: Discovering Novel Key Players Regulating Hematopoietic Stem Cell Properties

12:00-13:00

Arrival of PIs and Lunch with PIs

Poster Session – Stem Cells in Disease and Development

13:00-15:00

Poster presentation

Social Event

15:00-19:00

Wine Hiking with the PIs

19:00-20:30

Dinner with the PIs at Tagungsstätte Löwenstein

20:30-open end

“Social Networking” with the PIs

Thursday, April 21

07:30-08:30

Breakfast

08:30

Bus Departure to Heidelberg