

Mechanisms of Embryogenesis and Organogenesis

April 19 and 20, 2012

Joint Symposium of the Albert-Ludwigs-University Freiburg research centers and graduate training schools:

SFB 592 "Signaling Mechanisms in Embryogenesis and Organogenesis"

GRK 1104 "From Cells to Organs: Molecular Mechanisms in Organogenesis"

bioSS - Centre for Biological Signaling Studies

FRIAS - Freiburg Institute of Advanced Studies - LIFNET School

Place: Lecture Hall of the Otto-Krayer-Haus, Albertstr. 25, Freiburg, Germany

Scientific Program:

Date	Name	Title of Session / Presentation
Thursday, 19.04.2012	Morning Session	Systems or Quantitative Development
9:10	Opening Remarks	
9:15	Benny Shilo Weizmann Institute of Science, Israel	Self-organized shuttling: generating a sharp dorso-ventral polarity in the early Drosophila embryo
9:50	Georgios Pyrowolakis University of Freiburg	Shaping morphogen gradients in Drosophila: From nuclear responses to extracellular regulators
10:25	Coffee Break	
10:55	Alexander Aulehla EMBL Heidelberg	Oscillating signaling pathways during mouse embryo development
11:30	Andreas Hiltbrunner University of Tübingen	Molecular mechanism and evolution of far-red light perception in plants
12:05	Dominique Bergmann University of Stanford	Transcriptional and signaling networks guiding asymmetry and fate in the plant epidermis
12:40-14:00	Lunch Break	
	Afternoon Session	Organogenesis
14:00	Thomas Boehm MPI Freiburg	Synthetic Immunology
14:35	Wolfgang Kühn University Medical Center Freiburg	Downstream effects of the ciliary flow sensor
15:10	Coffee Break	
15:40	Sebastian Arnold University Medical Center Freiburg	Cell lineage commitment during mouse gastrulation
16:15	Matias Simons University of Freiburg	Role of a proton pump subunit in planar cell polarity
16:50	Posters Session & Dinner Buffet	16:50 presenting even-numbered 17:35 presenting odd-numbered 18:20 Dinner Buffet

Date	Name	Title of Session / Presentation
Friday, 20.04.2012	Morning Session	Epigenetics
9:15	Asifa Akhtar MPI Freiburg	Dosage compensation in Drosophila
9:50	Renato Paro ETH Zürich, Basel	Chaperoning epigenetic control of cellular memory
10:25	Coffee Break	
10:55	Jörn Walter Saarland University	Development of the epigenetic landscape in early mouse embryos
11:30	Tilman Borggreve MPI Freiburg	Notch signaling controlled by dynamic histone methylation
12:05	Gunter Reuter University of Halle	Chromatin differentiation in Drosophila female germ line cells
12:40-14:00	Lunch Break	
	Afternoon Session	Neural Development
14:00	Alain Chedotal Institut de la Vision, Paris	Development and function of brain commissures
14:35	Chaya Kalcheim Hebrew University of Jerusalem	Regulation of neural crest specification and migration
15:10	Roberto Mayor University College London	Collective migration of neural crest cells
15:45	Dierk Reiff University of Freiburg	Dscams affect dendritic development and function in visual interneurons of Drosophila
16:20	Conclusion of Symposium	