

## Program:

### Wednesday, March 23rd, 2011

11:00	<i>Check in</i>	
13:00 - 13:15	Opening remarks	Elisabeth Knust (GfE); Kiyokazu Agata (JSDB)

### ***Organogenesis and morphogenesis***

Chair: Achim Gossler, Hiroyuki Takeda

13:15 - 13:45	<b>Stefan Schulte-Merker</b>	Lymphangiogenesis in fish, mice and humans
13:45 - 14:15	<b>Salim Seyfried</b>	Morphogenetic signaling networks in the control of L/R asymmetric cardiogenesis
14:15 - 14:30	<b>Christian Klein</b>	Neuron navigator-3a mediates hepatoblast movement during early liver organogenesis
14:30 - 14:45	<b>Noriaki Sasai</b>	Spatial and temporal regulation of vertebrate neural tube patterning by Sonic Hedgehog
14:45 - 15:15	<b>Kate Storey</b>	Mechanisms regulating neural differentiation progression
15:15 - 16:00	<i>Break</i>	
16:00 - 16:30	<b>Ichiro Nishii</b>	Tracing evolutionary steps of morphogenesis from Chlamydomonas to Volvox
16:30 - 17:00	<b>Olivier Pourquie</b>	Patterning the vertebrate axis
17:00 - 17:15	<b>Viktoriya Halacheva</b>	Complex planar cell movement and oriented cell division build the early primitive streak in the mammalian embryo
17:15 - 17:30	<b>Masanari Takamiya</b>	Zebrafish cornea as a human model: transcriptome analysis and visualization of the development
17:30 - 18:00	<b>Naoto Ueno</b>	Cellular mechanism of neural tube closure
18:00	<i>Welcome reception and poster session I</i>	Presentation of posters with uneven numbers

## II

Thursday, March 24th, 2010

### ***Patterning***

Chair: Jochen Wittbrodt, Kumimasa Ohta

09:00 - 09:30	<b>Yasushi Hiromi</b>	Intra-axonal patterning
09:30 - 10:00	<b>Yoshiki Sasai</b>	Self-organization of neural patterns and structures in 3D culture of ES cells
10:00 - 10:15	<b>Monika Hassel</b>	Overexpression of Hydra FGFR induces autotomy of the body column
10:15 - 10:30	<b>Thomas Thumberger</b>	Serotonin signaling is required for Wnt-dependent development of the ciliated GRP and leftward flow in <i>Xenopus</i>
10:30 - 11:00	<i>Break</i>	
11:00 - 11:30	<b>Shigeru Kuratani</b>	Developmental and embryological bases for vertebrate evolutionary novelties
11:30 - 12:00	<b>Martin Hülskamp</b>	Trichome patterning in <i>Arabidopsis</i> : Strategies towards theoretical modelling
12:00 - 12:15	<b>Stephan Wenkel</b>	Role of patterning factors in regulating adaptive development in plants
12:15	<i>GfE-Mitgliederversammlung</i>	

### ***Germ line, asymmetric cell division and signalling***

Chair: Christian Eckmann, Kazuya Kobayashi

14:00 - 14:30	<b>Geraldine Seydoux</b>	Breaking symmetry: polarization of the <i>C. elegans</i> zygote
14:30 - 15:00	<b>David Greenstein</b>	Signaling for sex in <i>C. elegans</i>
15:00 - 15:15	<b>Kazuya Hashiyama</b>	Sex lethal acts autonomously in the primordial germ cells to initiate female fate in <i>Drosophila</i>
15:15 - 15:30	<b>Hirotao Tao</b>	Nuclear localization of Prickle2 is required for the establishment of cell polarity during early mouse embryogenesis
15:30 - 16:15	<i>Break</i>	
16:15 - 16:45	<b>Gertrud Schüpbach</b>	EGF receptor activation and follicle cell differentiation in <i>Drosophila</i>
16:45 - 17:00	<b>Daiki Umetsu</b>	Mechanical tension guides cell sorting at the anteroposterior compartment boundary in <i>Drosophila</i>
17:00 - 17:15	<b>Ryuji Minasaki</b>	Regulation of cytoplasmic polyadenylation complexes in early female meiotic germ cells

17:15 - 17:30	<b>Edgar Pera</b>	How morphogen gradients form - of FGF signals, a secreted serine protease, and a feedback-regulated protease inhibitor
17:30 - 18:00	<b>Dorette Breitkreuz</b>	DFG funding and support for individual scientists - presentation and question time Panel: Dorette Breitkreuz, Achim Gossler, Christian Klämbt, Jochen Wittbrodt
18:00 - 20:00	<i>Poster session II</i>	Presentation of posters with even numbers
20:00 - 20:30	<b>Asako Sugimoto</b>	Coordination of two microtubule assembly pathways in the formation of mitotic spindles in <i>C. elegans</i> embryos
20:30 - 21:00	<b>Haruhiko Siomi</b>	A link between RNA silencing and germline development in <i>Drosophila</i>

## Friday, March 25th, 2010

### ***Asymmetric cell division and patterning***

Chair: Christian Klämbt, Takaki Miyata

09:00 - 09:30	<b>Nancy Papalopulu</b>	A dynamic balance of microtubule and actomyosin forces controls spindle positioning in polarised epithelial cells
09:30 - 10:00	<b>Jon Clarke</b>	Cell biology of lumen formation in the zebrafish neural rod
10:00 - 10:30	<b>Barbara Conradt</b>	Control of apoptosis by asymmetric cell division
10:30 - 10:45	<b>Heiko Lickert</b>	Evolutionary diversification of the Discs large family in apical-basal polarity formation
10:45 - 11:00	<b>Michael Krahn</b>	Identification of new functions of PATJ in epithelial polarization
11:00 - 11:30	<i>Break</i>	
11:30 - 12:00	<b>Angela Nieto</b>	The definition of vertebrate embryonic territories by a set of transcription factors
12:00 - 12:30	<b>Yumiko Saga</b>	Mechanism of somite segmentation
12:30 - 12:45	<b>Gregor Bucher</b>	Patterning of the anterior non-segmented part of the insect head
12:45 - 13:00	<b>Pavel Tomancak</b>	Gene expression divergence recapitulates the developmental hourglass
13:00 - 14:00	<i>Lunch</i>	

### ***Regeneration and stem cells***

Chair: Michael Brand, Koji Tamura

14:00 - 14:30	<b>Sumihare Noji</b>	Regulation of leg size and shape: involvement of the Dachshous-Fat signaling pathway
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## IV

14:30 - 15:00	<b>Jeremy Brockes</b>	The nerve dependence of vertebrate limb regeneration
15:00 - 15:30	<b>Brigitte Galliot</b>	Cell death as a driving force for regeneration
15:30 - 15:45	<b>Akira Satoh</b>	A new study model called ALM reveals mechanisms of axolotl limb regeneration
15:45 - 16:00	<b>Christian Bökel</b>	Imaging BMP receptor activation at an adherens junction associated stem cell niche synapse
16:00 - 16:45	<i>Break</i>	
16:45 - 17:15	<b>Phil Newmark</b>	Intestinal renewal and regeneration in the planarian <i>Schmidtea mediterranea</i>
17:15 - 17:45	<b>Rüdiger Simon</b>	Patterning of plant stem cell niches: signal and receptor dynamics
17:45 - 18:00	<b>Franziska Knopf</b>	Bone regenerates via dedifferentiation of osteoblasts in the zebrafish fin
19:00	<i>Conference party</i>	Augustiner an der Frauenkirche

## Saturday, March 26th, 2010

### ***Epigenetics, stem cells and regeneration***

Chair: Elly Tanaka, Kiyokazu Agata

09:00 - 09:30	<b>Renato Paro</b>	Signaling and epigenetic reprogramming during tissue regeneration
09:30 - 10:00	<b>Ueli Grossniklaus</b>	Epigenetic regulation of reproduction in <i>Arabidopsis</i>
10:00 - 10:15	<b>Nicola Blum</b>	Retinoic acid signaling controls blastema formation, maintenance and differentiation of blastema cells during adult zebrafish fin regeneration
10:15 - 10:30		<b>GfE-Doktorandenpreis</b>
10:30 - 11:00	<i>Break</i>	
11:00 - 11:30	<b>Barbara Meyer</b>	<b>Carl Zeiss Lecture:</b> Sex-specific control of X-chromosome-wide gene regulation
11:30 - 12:00	<b>Noriko Funayama</b>	The stem cell system in demosponges: suggested involvement of two types of cells, archeocytes (active stem cells) and choanocytes (food-entrapping cells)
12:00 - 12:30	<b>Min Han</b>	Systematic analysis of miRNA-target interactions under developmental and other physiological conditions in <i>C. elegans</i>
12:30	<i>End of meeting</i>	