



The 2nd CDB – GSF meeting

9 – 10 July 2007

GSF, Neuherberg, Germany, Building 57, Seminar Room

Monday, July 9

09:00 - 09:15 **Welcome:** Toru Kondo and Timm Schroeder

09:15– 12:10 **Neural Development** (chair Laure Bally Cuif)

09:15 **Laure Bally Cuif / Christoph Leucht** (*Developmental Genetics – Zebrafish Neurogenetics*): *MicroRNA-mediated regulation of the gene expression program defining the zebrafish midbrain-hindbrain organizer*

09:50 **Takashi Shimizu** (*Vertebrate Axis Formation*): *Cdx-Hox code controls competence for responding to Fgfs and retinoic acid in zebrafish neural tissue*

10:25 **Coffee break (+Posters)**

11:00 **Kentaro Abe** (*Cell Adhesion and Tissue Patterning*): *NMDA Receptor activation induces calpain-mediated β -catenin cleavages for triggering gene expression*

11:35 **Andrea Huber Brösamle** (*Developmental Genetics*): *Axon guidance*

12:10 **Lunch (+Posters)**

13:45 - 18:05 **Omics** (chair Timm Schroeder)

13:45 **Stefanie Hauck** (*Human Genetics*):

Proteomic strategies to analyse cellular functions and mechanisms of disease

14:20 **Wolfgang Wurst** (*Developmental Genetics*):

EUCOMM, the European Conditional Mouse Mutagenesis Program

15:05 **Cantas Alev** (*Stem Cell Translational Research*):

New insights into endothelial progenitor cell biology via proteomics and transcriptomics

15:40 **Coffee Break (+Posters)**

16:15 **Martin Hrabe de Angelis** (*Experimental Genetics*):

Systemic characterization of disease models: The German Mouse Clinic 1 and 2

16:55 **Michael Rieger** (*Stem Cell Research*):

Instructive or permissive progenitor fate regulation: Insights from single cell approaches

17:30 **Martin Jakt** (*Stem Cell Biology*): *The shape of differentiation?*

19:00 **Dinner** at the beer garden 'Aumeister'

Tuesday, July 10

09:00 – 12:35 **Neural Stem Cells** (chair: Toru Kondo)

09:00 **Toshihiro Uesaka** (*Neuronal Differentiation and Regeneration*):

Hirschsprung's disease model mouse: reduction of Ret expression causes migration delay and unconventional neuronal death in the colon

09:35 **Marie Theres Schmid** (*Stem Cell Research*):

The Role of adherens junctions in neural precursor fate and polarity

10:10 **Coffee Break (+Posters)**

10:50 **Hiromi Takanaga** (*Cell Lineage Modulation*):

Gli2 coordinates the expression of stemness genes in neural stem cells

11:25 **Chichung Lie** (*Developmental Genetics*):

Molecular regulation of adult neural stem cells

12:00 **Karsten Suhre** (*Bioinformatics*): **Metabolomics (Omics satellite)**

12:35 **Lunch (+Posters)**

14:00 – 17:35 **Embryonal Development** (chair ShinIchi Nishikawa)

14:00 **Akihito Yamamoto** (*Vertebrate Body Plan*):

Role of Shisa in segmentation

14:35 **Hanna Eilken** (*Stem Cell Research*):

Endothelial–Blood Transitions: Visualization of hemogenic endothelium

15:10 **Coffee Break (+Posters)**

15:50 **Noriaki Sasai** (*Organogenesis and Neurogenesis*):

Molecular mechanisms of germ layer specification in Xenopus

16:25 **Ingo Bartscher** (*Stem Cell Research*):

Imaging endoderm development in the mouse

17:00 **Hiroshi Sasaki** (*Embryonic Induction*):

Tead-Yap system regulates pre- and post-implantation mouse development

17:35 **Closing remarks:** ShinIchi Nishikawa

19:00 **Dinner** at the beer garden 'Emmeramsmühle'

Wednesday, July 11th

Lab visits / Discussions

