

**BASEL STEM CELL NETWORK (BSCN) MEETING**  
**"STEM CELLS IN DEVELOPMENT AND DISEASE"**

9-10. September 2014

Location: Pharmazentrum, Klingelbergstrasse 50, Basel, Switzerland

**PROGRAM AND SCHEDULE**

TUESDAY 9 September 2014

- 14:00** Welcome address from the BSCN
- Mechanistic Principles of Stem Cells**  
**Chairs: Rafal Ciosk and Clemens Cabernard**
- 14:00-14:40** **Cayetano GONZALEZ** Barcelona, Spain  
"Centrosomes in malignant growth and impaired cell polarity"
- 14:40-15:00** **Steven Zuryn** Strassburg, Sequential partitioning of histone methylation and demethylation activities determines the robustness of natural transdifferentiation
- 15:00-15:20** **Cristina Tocchini** Basel, TRIMming pluripotency
- 15:20-16:00** **Kevin EGGAN** Cambridge, USA  
"iPS cells: From individual patients to unifying pathways underlying motor neuron degeneration"
- 16:00-16:30** *Coffee break and Poster session*
- 16:30-17:10** **Ian CHAMBERS** Edinburgh, UK  
"Transcription factor control of transitions in pluripotent cells"
- 17:10-17:30** **Priyanka Singh** Basel, The centriolar protein Bld10/C ep135 controls centrosome asymmetry in Drosophila neuroblasts
- 17:30-17:50** **Yanrui Jiang** Basel, Genetic analysis of neural stem cell-derived brain tumors
- 17:50-18:10** **Joerg Betschinger** Basel, Controlling exit from pluripotency
- 18:10-18:50** **Wieland HUTTNER** Dresden, Germany "Development and evolution of the neocortex – the cell biology of neural stem and progenitor cells"
- 19:00** **BBQ** (Restaurant Centro, Zentrum für Lehre und Forschung, ZLF; entrance Hebelstr. 20 or through University Hospital gardens)

WEDNESDAY 10 September 2014

**Stem Cells in Translation**  
**Chairs: Claudia Lengerke and Jakob Passweg**

- 09:00-09:40** **Markus MANZ** Zürich, Switzerland  
"Hematopoiesis in infection and inflammation"

- 09:40-10:00** **Anna Paczulla** Basel, Cdx2 expression enhances human leukemic cells clonogenicity and in vivo repopulation capacity in NSG mice
- 10:00-10:20** **Patrick Guye** Cambridge MA, Engineering a self-organizing liver bud-like hematopoietic niche from pluripotent stem cells
- 10:20-10:40** **Maaïke Welling** Utrecht, Dazl is required for TET-mediated reprogramming to a naïve pluripotent state
- 10:40-11:30** *Coffee break and Poster session*
- 11:30-11:50** **Zayna Chaker** Paris, Neural stem cell management by longevity gene IGF-1
- 11:50-12:10** **Chiara Rolando** Basel, Drosha-mediated posttranscriptional modifications regulate fate commitment in mouse hippocampal neural stem cells
- 12:10-12:30** **Eline Pecho-Vrieseling** Basel, Transneuronal propagation of mutant huntingtin contributes to non-cell autonomous pathology in neurons
- 12:30-13:30** *Lunch and Technology Presentations*
- Chair: Ravi Jagasia**
- 13:30-14:10** **Peter ANDREWS** Sheffield, UK  
**“Genetic Stability and Fate Determination in human Pluripotent Stem Cells”**
- 14:10-14:30** **Thomas Marti** Bern, Characterizing the DNA damage response in lung cancer tumor initiating cells
- 14:30-14:50** **Faye Drawnel** Basel, Disease modeling and phenotypic drug screening for diabetic cardiomyopathy using human induced pluripotent stem cells
- 14:50-15:30** **Hans SCHÖLER** Münster, Germany  
**“Cell Reprogramming to Multi- and Pluripotency by POU Factors”**
- 15:30-16:00** *Coffee break and Poster session*
- Chair: Ivan Martin**
- 16:00-16:40** **Yann BARRANDON** Lausanne, Switzerland  
**“The epidermal stem cell: a paradigm in regenerative medicine”**
- 16:40-17:00** **Marietta Herrmann** Davos, The multilineage potential of pericytes derived from different human tissues
- 17:00-17:20** **Andrea Banfi** Basel, Normalization and accelerated stabilization of VEGF-induced angiogenesis by co-delivery of engineered PDGF-BB and VEGF proteins from fibrin matrices
- 17:20-18:00** **Luigi NALDINI** Milan, Italy  
**“Hematopoietic Stem Cell Gene Transfer for the Treatment of Genetic Disease and Cancer”**
- 18:00** **Poster prizes and Concluding remarks**