

_Program

Tuesday, April 23rd

8:00 – 9:00 am _Registration

9:00 – 9:30 am _Opening of the Meeting

Svenja Schulze, Minister for Innovation, Science and Research of the

State of North Rhine-Westphalia

9:30 – 11:00 am Keynote Lectures, Chair: H. Schöler

Kenneth Chien (Boston)

A map for human cardiogenesis and regenerative therapeutics

Christiane Woopen (Cologne)

Pluripotent ethics? Pluralism and the need for guidance

11:00 – 11:15 am __Coffee Break, Poster Session

11:15 am – 12:15 pm __Session I: Cardiac Differentiation & Repair, Chair: J. Hescheler

Bruce Conklin (San Francisco)

Patient-specific stem cells and cardiovascular genetics

Christine Mummery (Leiden)

Pluripotent stem cells: the new heart patient?

12:15 – 1:30 pm _Lunch Break, Poster Session

1:30 – 2:30 pm _Session II: Ectodermal Lineage, Chair: O. Brüstle

Cedric Blanpain (Brussels) Stem cells and skin cancers Magdalena Götz (Munich)

A new source of neural stem cells after brain injury

2:30 – 3:00 pm __Coffee Break, Poster Session

3:00 – 4:15 pm _Session III: Disease Modeling, M. Höhn

Karl-Ludwig Laugwitz (Munich)

Human models of cardiac disease

Stefan Hauser (Bielefeld) invited junior speaker Human inferior turbinate stem cells (ITSCs) —

Novel stem cells for the treatment of Parkinson's disease?

Lorenz Studer (New York) Title to be announced

4:15 – 5:15 pm Session IV: Cultivating human stem cells, J. Adjaye

Joseph Itskovitz-Eldor (Haifa)

Cultivation of pluripotent stem cells in suspension

Peter Andrews (Sheffield)

Culture adaption in human embryonic stem cell culture: Oncogenesis in

vitro?

5:15 – 6:30 pm _Poster Session

7:00 – 10:30 pm _Networking Event at the Wolkenburg

Address: Mauritiussteinweg 59, 50676 Köln (no transfer provided, walkable distance



Wednesday, April 24th

8:00 – 9:00 am _Registration

9:00 – 10:00 am _Session V: Hematopoietic Stem Cells, Chair: P. Horn

Michael Clarke (Stanford)

Regulation of normal and diseased stem cells

David Williams (Harvard)

Somatic cell re-programming as a potential future therapeutic option for

genetic correction in Fanconi Anemia

10:00 – 11:00 am _ Panel Discussion (Chair: D. Sturma) "Patents for stem cell

derived technologies; the legal situation and its consequences" Gisela Badura-Lotter, Christine Mummery, Clara Sattler de Sousa e

Brito

11:00– 11:30 am __Coffee Break, Poster Session

11:30 am – 12:15 pm Session VI: Direct (Re)programming, Chair: C. Kaltschmidt

Marius Wernig (Stanford)

Direct reprogramming of fibroblasts towards neural lineages

Nils Pfaff (Hannover) invited junior speaker

MicroRNA-mediated epigenetic regulation represents a roadblock for

the generation of iPSCs

12:15 – 2:00 pm Lunch Break, Poster Session

2:00 – 3:15 pm _Session VII: Epigenetics & Chromatin, Chair: M. Zenke

Alexander Meissner (Harvard)

DNA methylation dynamics in stem cells and development

Stefan Barakat (Rotterdam) invited junior speaker

rnf12 is essential for x-inactivation in female mouse embryonic stem

cells and is required for female mouse development

Kenneth Zaret (Philadelphia)

Programming and reprogramming cell fate

3:15 – 3:45 pm Coffee Break

3:45 – 4:45 pm _Session VIII: Cells as Testing Tools, Chair: O. Brüstle

James Bilsland, (Cambridge) Neusentis/Pfizer

hES/iPSC derived sensory neurones for disease modelling and drug

discovery in pain

Petter Björquist (Gothenburg) Cellectis

Human pluripotent stem cells: a paradigm shift for in vitro testing

Following __Poster Awarding, Closing Remarks