

The Belgian Society for Cell and Developmental Biology,
FWO-Flanders and Belspo IUAP/PAI7-07 network *DevRepair*
jointly organize the

**Autumn Meeting 2015, November 23-24,
Leuven, Provinciehuis**

version October 20, 2015

Developmental programming and organ repair

All sessions take place in the "Auditorium" – poster session, coffee breaks, lunches in "Spoor 95", Coffee Corner 1

Day 1: Monday, November 23, 2015

From 8:15 Registration and Welcome coffee

9:15 - 9:30 Welcome (*Danny Huylebroeck*)

SESSION 1

Chairs: An Zwijssen and Laurent Nguyen

9:30 - 10:15

Pierre Vanderhaeghen (ULB Neuroscience Institute and IRIBHM, University of Brussels (ULB), Lennik, Belgium):

From pluripotent stem cells to cortical circuits

10:15 - 11:00

Vania Broccoli (Stem Cells and Neurogenesis Unit, Division of Neuroscience, San Raffaele Scientific Institute, Milan, Italy):

CRISPR/Cas9 gene engineering for improved iPSC modelling and therapeutics

11:00 - 11:30

Coffee break

SESSION 2

Chairs: Catherine Verfaillie and Peter Ponsaerts

11:30 - 12:15

Ernest Arenas (Laboratory of Molecular Neurobiology, Department of Medical Biochemistry & Biophysics, Karolinska Institute, Stockholm, Sweden):

From midbrain dopaminergic neuron development to Parkinson's disease

12:15 - 13:00

Frank Buchholz (UCC, Medical Faculty Carl Gustav Carus, TU Dresden, Germany):

Systems dissection of pluripotent stem cells

13:00 - 14:30

Lunch and poster session (even numbered posters)

SESSION 3

Chairs: Guido David and Danny Huylebroeck

14:30 - 15:15

Selected oral presentation 1

Name selected speaker (affil)

Title

Selected oral presentation 2

Name selected speaker (affil)

Title

15:15 - 16:00

Frank Grosveld (Department of Cell Biology, Erasmus MC, Rotterdam, the Netherlands):

Transcription and the dynamics of the 3D structure of the genome

16:00 - 16:30

Coffee break

16:30 - 17:15

Bill Skarnes (Stem Cell Engineering, The Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus Hinxton, Cambridge, United Kingdom):

Biallelic genome editing of human pluripotent stem cells at scale

17:15 - 18:00

Timm Schroeder (Cell Systems Dynamics, Department of Biosystems Science and Engineering, ETH Zurich, Basel, Switzerland):

Long-term single cell quantification: new tools for old questions

18:00 - 19:00

Belgian beers

Day 2: Tuesday, November 24, 2015

SESSION 4

Chairs: Joseph Martial and Luc Leyns

09:30 - 10:15

Raymond Poot (Department of Cell Biology, Erasmus MC, Rotterdam, the Netherlands):

A case for mechanistic overlap of common mental disorders

10:15 - 11:00

Thomas Braun (Department of Cardiac Development and Remodelling, Max-Planck Institute for Heart and Lung Research, Bad Nauheim, Germany):

The role of hypoxic signaling and cellular dedifferentiation for cardiac development and disease

11:00 - 11:30

Coffee break

11:30 - 12:15

Jean-Paul Vincent (The Francis Crick Institute, London, United Kingdom):

Mechanisms that control the strength and location of Wnt signaling

12:15 - 13:00

Selected oral presentation 3

Name selected speaker (affil)

Title

Selected oral presentation 4

Name selected speaker (affil)

Title

13:00 - 14:30

Lunch and poster session (uneven numbered posters)

Together with 14:00 – 14:30

General Assembly meeting of BSCDB

SESSION 5

Chairs: Frank Luyten and Brigitte Malgrange

14:30 - 15:15

Irma Thesleff (Embryonic Organ Development, Institute of Biotechnology, Viiki campus, Helsinki, Finland):

Epithelial - mesenchymal signaling during tooth development and renewal

15:15 - 16:00

Austin Smith (Stem Cell Potency, Wellcome Trust - Medical Research Council Cambridge Stem Cell Institute, Cambridge, United Kingdom):

Design Principles of Pluripotency

16:00 - 16:30

Coffee Break

16:30 - 17:15

Gerjo van Osch (Connective Tissue Cells and Repair, Dept. Orthopaedics & Dept. Otorhinolaryngology, Erasmus MC, Rotterdam, the Netherlands):

Cartilage regeneration from human mesenchymal stem cells

17:15 - 17:30

Award of the BSCDB poster prizes

17:30

Short concluding remarks

End of day 2 - departures