



Autumn Meeting 2017
Cell differentiation in normal
and pathological conditions

September 14-15, 2017, UCL, Woluwe

Organizers : *Prof. Frédéric Clotman (UCL)*
Prof. Patrick Jacquemin (UCL)
Prof. Christophe Pierreux (UCL)
Prof. Eric Bellefroid (ULB)

Program

Thursday - September 14, 2017

8.30 – 9.15 Registration and welcome coffee

9.15 Welcome and introductory remarks

Morning session : moderators Eric Bellefroid & Fadel Tissir

9.30 Alexandra Pierani (Institut Jacques Monod, Paris)

Transient neurons: life and death in cortical development and pathology

10.15 Selected abstract 1 : Simon Desiderio (Université Libre de Bruxelles, Gosselies)

Prdm12 is an essential regulator of nociceptive neuron development

10.30 Selected abstract 2 : Joke Robijns (Antwerpen Universiteit, Antwerpen)

Identifying the drivers of nuclear envelope rupture and repair using live cell imaging and quantitative image analysis

10.45 – 11.15 Coffee break + posters

11.15 Karl Matter (University College London, London)

Signalling at tight junctions in cell differentiation and development

12.00 Maxence Nachury (Stanford University, Stanford)

Getting out of cilia

12.45 – 14.15 Lunch and poster session I

Afternoon session : moderators Frédéric Lemaigre & Peter Ponsaerts

14.15 Paco Real (National Cancer Research Center, Madrid)

GATA proteins play contrasting roles in pancreatic cancer initiation and tumor progression

15.00 Pascale Zimmermann (KULeuven & Aix-Marseille Université, Marseille)

Molecular mechanisms of exosome biogenesis

15.45 – 16.15 Coffee break + posters



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15.45 – 16.15 Coffee break + posters

16.15 Selected abstract 3 : Louis Collet (Université catholique de Louvain, Brussels)
Combining oncogenic Kras mutation and LKB1 inactivation in pancreatic ductal cells reveals that intraductal papillary mucinous neoplasms originate from pancreatic duct glands

16.30 Harry Heimberg (Vrije Universiteit Brussel, Brussels)
The pancreas as a source of new β cells

17.15 – 18.15 Beer hour

Friday - September 15, 2017

8.30 – 9.15 Registration and welcome coffee

Morning session : moderators Isabelle Migeotte & Ilse Rومان

9.15 Pilar Santisteban (Spanish Council of Research CSIC, Madrid)
Molecular mechanisms controlling thyroid epithelial cell differentiation and transformation

10.00 Selected abstract 4 : Stéphanie Debrulle (Université catholique de Louvain, Brussels)
Vsx1 secures the segregation of V2 interneuron versus motor neuron identity during spinal cord development

10.15 Selected abstract 5 : Rita Khoueiry (Katholieke Universiteit Leuven, Leuven)
Lineage-specific functions of TET1 in the early post-implantation mouse embryo

10.30 – 11.00 Coffee break + posters

11.00 Kate Storey (University of Dundee, Dundee)
Mechanisms regulating neuronal differentiation

11.45 Francesca Spagnoli (Max Delbrück Center, Berlin)
Engineering pancreatic cells: cell fate choices and plasticity

12.30 – 12.45 General Assembly of the BSCDB

12.45 – 14.00 Lunch + poster session II



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Afternoon session : moderators Wen-Hui Lien & Bernard Peers

- 14.00 Didier Stainier (Max Planck Institute, Bad Nauheim)
Cardiomyocyte behavior and genetic compensation in zebrafish
- 14.45 Soo-Kyung Lee (Oregon Health and Science University, Portland)
What does the Fox say: Gene regulatory networks in CNS development

15.30 – 16.00 Coffee break + posters

- 16.00 Selected abstract 6 : Patricia Renard (Université de Namur, Namur)
The metabolic shift occurring during stem cells hepatogenic differentiation depends on a Wnt-TCF7L2-PGC1 α connection
- 16.15 Stéphane Schurmans (Université de Liège, Liège)
Role of the lipid 5-phosphatase Ship2 in the control of the renal proximal tubule brush border structure and function
- 17.00 Awards of the best selected presentation and the best posters, and closing remarks