

CONFERENCE PROGRAM

9:00 – 9:15 **CHRIS VAN GEET** (Vice Rector Biomedical Sciences Group, KU Leuven, Belgium)
"Welcome"

SESSION 1 Cellular Reprogramming

Session Chairs: Björn Heindryckx (UGent) - Vincent Pasque (KU Leuven)

09:15 – 09:50 **SIR JOHN GURDON** (University of Cambridge, UK)
"Nuclear reprogramming by Xenopus eggs and oocytes"

09:50 – 10:05 **ADRIAN JANISZEWSKI** (University of Leuven (KU Leuven), Belgium): Selected Oral
"Uncovering Mechanisms of Epigenetic Memory Reversal during Reprogramming to Induced Pluripotency"

10:05 – 10:20 **MICHELA BARTOCETTI** (University of Leuven (KU Leuven), Belgium): Selected Oral
"Insights into late reprogramming: gene expression and DNA methylation dynamics define new stages surrounding the acquisition of naive pluripotency"

10:20 – 10:50 **COFFEE BREAK**

SESSION 2 Pluripotency, Model the Brain with Stem Cells, and Hematopoietic Stem Cell

Session Chairs: Mieke Geens (VUB) - Laurent Nguyen (University of Liege)

10:50 – 11:25 **AUSTIN SMITH** (University of Cambridge, UK)
"The Developmental Trajectory of Pluripotency"

11:25 – 11:50 **IRA ESPUNY-CAMACHO** (University of Milan, Italy)
"Human pluripotent stem cell-derived cortical neurons for disease modeling and brain repair"

11:50 – 11:55 **SPONSOR: Filter Service**

11:55 – 12:10 **ALESSANDRA QUARTA** (University of Antwerp, Belgium): Selected Oral
"The neural environment is a necessary, but not sufficient, prerequisite for directing iPSC-derived progenitors into the CX3CR1+CCR2- microglia-like phenotype"

12:10 – 12:25 **ADELINE ROSU** (University of Liege, Belgium): Selected Oral
"Translation stress induced by loss of Elongator activates a p53-dependent antitumor checkpoint in hematopoietic stem and progenitor cells"

12:25 – 12:45 **POSTER TEASERS**, selected from abstracts

12:45 – 14:45 **LUNCH AND POSTER SESSION**

14:00 – 14:15 **GENERAL ASSEMBLY**

SESSION 3 Regeneration and Transdifferentiation

Session Chairs: Claudia Spits (VUB) - Cedric Blanpain (ULB)

14:45 – 15:20 **ELLY TANAKA** (IMP Vienna, Austria)
"Coordination of signaling with stem cell dynamics during regeneration"

15:20 – 15:35 **JONATHAN BALDAN** (Free University of Brussels (VUB), Belgium): Selected Oral
"Human pancreatic adult acinar cells dedifferentiate towards an embryonic progenitor-like state in 3D suspension culture"

15:35 – 15:40 **SPONSOR: Takara**

15:40 – 16:10 **BREAK**

SESSION 4 Cancer Stem Cells and Skin Stem Cells

Session Chairs: Annelies Bronckaers (University of Hasselt) - Catherine Verfaillie (KU Leuven)

16:10 – 16:25 **MAUD DEBAUGNIES** (Free University of Brussels (ULB), Belgium): Selected Oral
"Understanding the mechanisms controlling EMT mediated therapy resistance in skin squamous cell carcinoma"

16:25 – 16:40 **SOPHIE DEKONINCK** (Free University of Brussels (ULB), Belgium): Selected Oral
"Defining the mechanisms leading to interfollicular epidermis expansion during post-natal development"

16:40 – 17:15 **MICHELE DE LUCA** (University of Modena, Italy)
"Combined cell and gene therapy of Epidermolysis Bullosa shed light on human epidermal stem cells"

17:15 – 17:25 **BEST POSTER AND TALK AWARD**

17:25 – 17:35 **CATHERINE VERFAILLIE** (BeSSCR president, University of Leuven (KU Leuven), Belgium)
"Concluding Remarks"