



8th Annual meeting of the Belgian Society for Stem Cell Research
“Harnessing the Power of Stem Cells: From Discovery to Application”

Friday November 29th, 2024

Museum of Medicine - Erasmus Medical Campus (ULB) 1070 Brussels

Scientific Committee

Claudia Spits & Leo van Grunsven (VUB), Vincent Pasque (KULeuven),
Annelies Bronckaerts (UHasselt) & Sabine Costagliola (ULB)

Conference organizers

Diana Al Delbany & JM Lazou (VUB)

Abstract Book



[This meeting is sponsored by:](#)



Program

- 8:00-9:00 Setup Poster session 1 (P1-P20) + Sponsor booths (Main Hall /Salle Chirurgie/1st floor)
8:15: Registration (ground floor - entrance) and welcome coffee (Main Hall /1st floor)
9:05-9:10 Welcome

Session 1: Chair: Claudia Spits (VUB)

- 9:10-9:50 **Florian Merkle (Wellcome-MRC Cambridge Stem Cell Institute, Cambridge)**
“Human stem cell models of obesity and neurological disease”
9:50-10:05 **Celine Buedts (KUL):** “Applying organoid-based models to decipher underlying causes of endometriosis-associated infertility at the embryo-endometrium interface”
10:05-10:20 **Mina Kazemzadeh Dastjerd (VUB):** “9CRA improves fibrosis modelling in iPSC-derived liver organoid co-cultures”

- 10:20-11:20 Coffee break / **Poster session 1 (P1-P20)** / Sponsor booth visits

Session 2: Chair: Wen-Hui Lien (UCL)

- 11:25-12:05 **Susana de Sousa Lopes (Leiden University, Leiden)**
“Mammalian in vitro gametogenesis: challenges and opportunities”
12:05-12:20 **Gwenny Cosemans (KUL):** “Dose-dependent GSK3-inhibition induces a quiescent-like state in mESCs via a possible β -catenin-independent mechanism”
12:20-12:30 **Carla Sanjurjo (StemCell Technologies (Saint-Egrève):**
"Generating Reliable Data Using hPSCs: It All Starts With the Right Cells"

- 12:30-13:55 Lunch / **Poster session 1 > session 2 (P21-P39) (switch 13h15)** / Sponsor booth visits

Session 3: Chair: Vincent Pasque (KUL)

- 14:00-14:40 **Jacob Hanna (Weizmann Institute of Science, Rehovot)**
“Ex-utero embryogenesis, from stem cells to organs”
14:40-14:55 **Dan Engelman (ULB):** “Intravital imaging deciphers cellular hierarchy, sexual dimorphism and cell competition during epidermal homeostasis and tumor initiation”

- 15:00-16:00 Coffee break / **Poster session 2 (P21-P39)** / Sponsor booth visits

Session 4: Chair: Leo van Grunsven (VUB)

- 16:05-16:20 **Sema Elif Eski (ULB):** “Redundant in Adults, Essential in Growth: Transdifferentiation Drives Organ Regeneration During Growth Spurts”
16:20-16:35 **Francesca Rapino (ULiège):** “tRNA optimality shapes colorectal cancer-initiating Lgr5+ identity through regulation of mRNA translation”
16:35-17:15 **Anchel de Jaime Soguero (Centre for Organismal Studies, Heidelberg)**
“Understanding developmental resilience at the cellular level in pluripotency and beyond”

- 17:15-17:30 Conclusion / Awards

- 17:30-18:30 Reception