



Annual Meeting 2021 of the Basel Stem Cell Network (BSCN)

10.09.2021 (Friday) at 9:30-18:00
Institute of Pathology, University Hospital Basel
 Schönbeinstrasse 40, Basel
 Lecture Hall & Foyer 1st Floor

Program

Welcome by Verdon Taylor, chairman BSCN Steering Committee

BSCN Scientific Presentations:

Prisca Liberali, FMI 9:40 - 10:10
 “Design principles of multicellular systems”

Short presentations 1 & 2: 10:10 – 10:30
Qianhui Yu, IOB
 “Charting human development using a multi-endodermal organ atlas and organoid models”
Andrés García-García, DBM
 “Culturing patient-derived malignant hematopoietic stem cells in engineered and fully humanized 3D niches”

Sara Meyer, DBM/USB 10:30 – 11:00
 “Targeting the MAPK pathway in myeloid leukemia: from bench to bedside”

Short presentations 3 & 4: 11:00 – 11:20
Arne Wehling, D-BSSE
 “Identification of the earliest HSC transcriptome divergence by live stem cell tracking and paired daughter cell sequencing”
Zayna Chaker, Biozentrum
 “Spatio-temporal recruitment of adult neural stem cells for transient neurogenesis during pregnancy”

Lunch brake (offered lunch) **11:30-13:00, incl. poster session**

Susan Mango, Biozentrum 13:10 – 13:40
 “Dynamic chromosomes during pluripotency and organogenesis”

Short presentations 5 & 6: 13:40 – 14:00
Christina U. Bauer, DBM
 “A newly identified role of TDG and SMCHD1 in the transition from pluripotency to totipotency”
Marion A. Salvador, DBM
 “PROCR+ mammary stem cells contribute to breast cancer heterogeneity”

Filippo Rijli, FMI 14:00 – 14:30
 “Epigenetic regulation of facial cartilage cell plasticity”

Short presentations 7 & 8: 14:30 – 14:50
Greg Fanourgakis, FMI
 “DNA methylation inhibits nucleosome retention in sperm and restricts H3K4 methylation acquisition at paternal alleles in early mouse embryos”
Hugues-Étienne Châtel-Soulet, DBM
 “Understanding the cellular origin of MLL-AF9-driven acute myeloid leukaemia (AML)”

Coffee brake **15:00 – 15:30**

Bruno Speck Awards:

15:40 – 16:15

Beatrice Drexler, USB

“Very long-term follow-up of aplastic anemia treated with immunosuppressive therapy or allogeneic hematopoietic cell transplantation”

Ilya Lukonin, FMI

“Phenotypic landscape of intestinal organoid regeneration”

Cameron Cowan, IOB

“Cell types of the human retina and its organoids at single-cell resolution”

Keynote lecture : Botond Roska, IOB

16:15 – 17:00

"Human retinal organoids as a tool to develop therapy"

Concluding remarks, Aperó with poster session

Registration at bscn@unibas.ch

Recognized by the Veterinärämte Basel-Stadt as "Formation in animal experimentation"