



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

10.09.2021 (Friday ) at 9:30-18:00  
**VIRTUAL per zoom**

### 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** **11:30-13:00, incl. Sponsors' Presentations**
- 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, incl. Sponsors' Presentations**

**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** by Verdon Taylor, chairman BSCN Steering Committee

**Registration at [bscn@unibas.ch](mailto:bscn@unibas.ch)**

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