

Hosts:

# Swiss Stem Cell Network 15<sup>th</sup> Annual Meeting 2020

**Innovation in Clinical  
Bio-manufacturing**  
Organoids and other  
specialized cell cultures  
for clinical applications

**Friday Dec 11, 2020**

9:30 am - 5:30 pm

**eMeeting by zoom**



Gold:

Silver:

Bronze:

Supporter:

## Program schedule

9:30 – 9:45	Welcome <b>Prof Mark A. Rubin (BCPM) / Prof Eliane J. Müller (SCRM)</b>
<b>Organoids – chair: Prof Mark A. Rubin</b>	
9:45	Trailer Sysmex Suisse AG
9:45 – 10:30	Keynote <b>Hayley Francies</b> <i>Translational Cancer Genomics at Wellcome Trust Sanger Institute, Hinxton, UK</i> Towards the next-generation of cancer cell models
10:30 – 10:45	Selected Speaker from Abstract #1 – <b>Simon Leonard April-Monn</b> , University of Bern
10:45 – 11:15	<b>Matthias Lutolf</b> <i>Laboratory of Stem Cell Bioengineering, EPFL Lausanne, Switzerland</i> Engineering scalable organoid-based assays for disease modelling
11:15 – 11:45	Coffee Break / 11.45 Trailer Nikon (Schweiz) GmbH
11:45 – 12:15	<b>Ivan Martin</b> <i>Department of Biomedicine and Department of Surgery, University Hospital Basel, Switzerland</i> Engineering 3D organotypic niches
12:15 – 12:30	Selected Speaker from Abstract #2 – <b>Simone Blanchoud</b> , University of Fribourg
12:30 – 14:00	Lunch break / Sponsor trailer loop
13:00 – 13:55	<b>Meet the Experts</b> <i>Organoid culture handson. Experts: Marianna Kruthof-de Julio / Hayley Francies</i>
<b>Cell therapies – chair: Prof Eliane J. Müller / Volker Enzmann</b>	
14:00	Trailer Miltenyi Biotec B.V. & Co. KG
14:00 – 14:30	<b>Lukas Sommer</b> <i>Institute of Anatomy, University of Zurich, Switzerland</i> Neural Crest Stemness in Regeneration and Cancer Formation
14:30 – 14:45	Selected Speaker from Abstract #3 – <b>Catherine Pfefferli</b> , University of Fribourg
14:45 – 15:00	5 Selected Flash Presentations from Abstracts 2 minutes – <b>Laura Jahnke, Thomas Bise, Hendrik Oudhoff, Andreas Shaun Croft, Patricia Renz</b>
15:00 – 15:30	<b>Jérôme Guicheux</b> <i>French National Institute for Health and Medical Research INSERM U1229, Regenerative Medicine and Skeleton Research Center, Nantes Université, France</i> Exploring stem cells for the regenerative medicine of intervertebral disc: a paradigm shift in spine surgery
15:30 – 15:45	Selected Speaker from Abstract #4 – <b>Nenad Slavko Suknovic</b> , University of Geneva
15:45 – 16:15	Coffee Break / 16.15 Trailer CELLnTEC Advanced Cell System AG
16:15 – 17:00	Keynote <b>Michele de Luca</b> <i>Centre for Regenerative Medicine «Stefano Ferrari», University of Modena and Reggio Emilia, Italy</i> Epithelial stem cells in cell and gene therapy
17:00 – 17:15	<b>Poster Award / Closing Remarks</b> Prof Volker Enzmann (SCRM / SSCN board) Prof Mark A. Rubin (BCPM) and Prof Eliane J. Müller (SCRM)

## Speakers

### Organoids

#### Hayley Francies

Translational Cancer Genomics at  
Wellcome Trust Sanger Institute Hinxton, UK

#### Matthias Lütolf

Laboratory of Stem Cell Bioengineering  
EPFL Lausanne, Switzerland

#### Ivan Martin

Department of Biomedicine & Department of  
Surgery, University Hospital Basel, Switzerland

### Cell Therapies

#### Lukas Sommer

Institute of Anatomy  
University of Zurich, Switzerland

#### Jérôme Guicheux

French National Institute for Health and Medical Research  
INSERM U1229, Nantes Université, France

#### Michele de Luca

Centre for Regenerative Medicine «Stefano Ferrari»  
University of Modena and Reggio Emilia, Italy

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## Meet the Experts

#### Hayley Francies

Translational Cancer Genomics at  
Wellcome Trust Sanger Institute Hinxton

#### Marianna Kruithof-de Julio

DBMR, Medical Faculty and Urology, University of Bern

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## Scientific Advisory Board

### BCPM

#### Mark Rubin (Lead)

Director of DBMR, Medical Faculty and Oncology,  
University of Bern

#### Marianna Kruithof-de Julio

DBMR, Medical Faculty and Urology, University of Bern

#### Sven Rottenberg

DIP, Vetsuisse Faculty, University of Bern

### SCRM

#### Eliane J. Müller (Lead)

DBMR, Medical Faculty and Molecular Dermatology,  
University of Bern

#### Carsten Riether

DBMR, Medical Faculty and Oncology, University of Bern

#### Amiq Gazdhar

DBMR, Medical Faculty and Pneumology, University of Bern

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## Organizing Committee

### BCPM

#### Timo Staub (Lead)

Bern Center for Precision Medicine (BCPM),  
University of Bern

#### Stephan Christen

DBMR, Medical Faculty, University of Bern

#### Claudia Requeta

Bern Center for Precision Medicine (BCPM),  
University of Bern

### SCRM

#### Volker Enzmann (Lead)

Department of Ophthalmology, University of Bern

#### Benjamin Gantenbein

Department of Orthopaedic Surgery and Traumatology,  
University of Bern

#### Rene Aeberhard

DBMR, Medical Faculty, University of Bern