

Hosts:







UNIVERSITÄT BERN

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

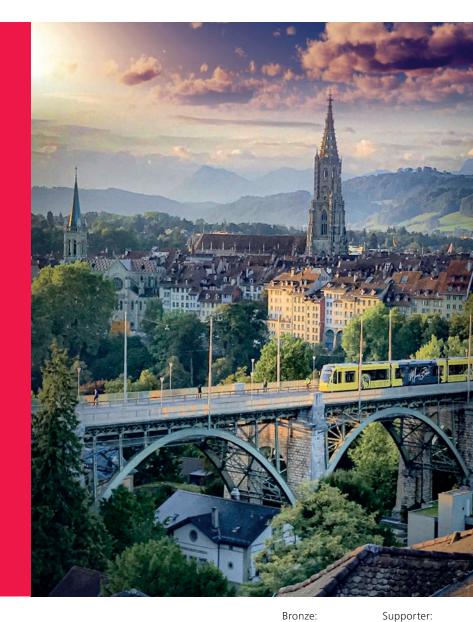
## Innovation in Clinical Bio-manufacturing

Organoids and other specialized cell cultures for clinical applications

# Friday Dec 11, 2020

9:30 am - 5:30 pm

eMeeting by zoom



Gold:





Silver:











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### Program schedule

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

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#### **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

#### **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

#### 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

#### **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 Ophtalmology, University of Bern

**Benjamin Gantenbein** Department of Orthopaedic Surgery and Traumatology, University of Bern

Rene Aeberhard DBMR, Medical Faculty, University of Bern