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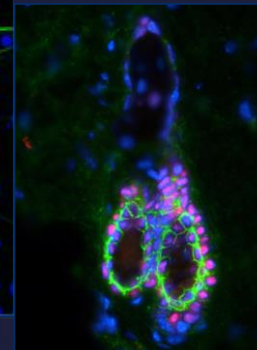
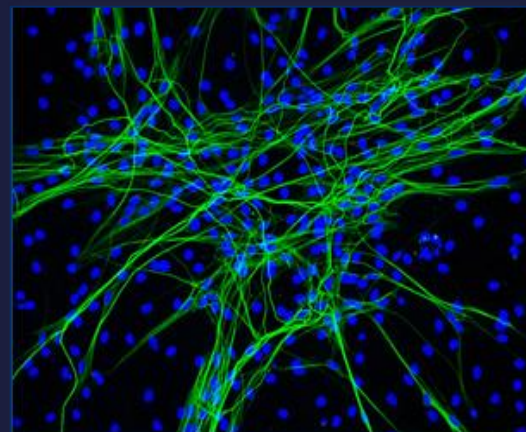


Our special thanks go: To the speakers for their contribution to the scientific success of this meeting, and to the University of Bern for financial support.

We also specifically thank the SCRM/TCBM Strategic Board for supporting our activities:

Prof. Eliane J. Müller
Prof. Nadia Mercader-Huber
Prof. Gabriela Baerlocher
Prof. Marianna Kruithof-de Julio
Prof. Thomas Geiser
Prof. Adrian Ochsenbein
Prof. Daniel Surbek

The SCRM Steering Committee
www.stemcellsbern.ch



A collaboration between Inselspital, Medical Faculty and Vetsuisse

The SCRM Steering Committee:

Prof. Eliane J. Müller
Prof. Deborah Keogh-Stroka
Prof. Marianna Kruithof-de Julio
Prof. Volker Enzmann
Prof. Benjamin Gantenbein
PD Dr. Amiq Gazdhar
Prof. Carsten Riether
Prof. Daniel Surbek
Prof. emeritus Thomas Krause

Annual Meeting 2021

Launch Technical and Translational SCRM Research Programs in “Cell-based Applications for Therapy”

SCRM Platform, University of Bern

November 12th 2021

Haus der Universität, Schlösslistrasse 5, 3012 Bern

Register: www.stemcellsbern.ch

As per rules of the location, a COVID Certificate is required / masks are optional

Program

- 12h30 - 13h00 **Registration**
- 13h00 - 13h15 **Welcome – Prof Eliane J. Müller**
University Hospital Bern & Medical Faculty, DBMR, University of Bern
- 13h15 - 14h00 *Keynote*
Prof Cory Abate-Shen
Chair Department of Molecular Pharmacology and Therapeutics,
Columbia University, NY, USA
A novel role for a homeobox gene in mitochondria and its consequences for prostate cancer initiation
- SCRM affiliated technical facilities:**
- 14h00 -14h20 Organoid CORE Facility / Imaging: CQ1, IVIS-CT
Prof Marianna Kruthof-de Julio, PhD
DBMR, University Hospital of Urology, University of Bern
- 14h20 – 14h40 Mass Cytometry Platform
Prof Deborah Keogh-Stroka, PhD
DBMR, Visceral and Transplantation Surgery, University of Bern
- 14h40 - 15h10 Organs on Chip Facility (OOCF)
Prof Olivier T. Guenat, PhD
ARTORG Center – Organs-on-Chip Technologies, University of Bern
- 15h10 – 15h40 Coffee break
- Launch Technical and Translational SCRM Research Programs:**
- 15h40 - 16h50 **Prof Eliane J. Müller**
SCRM Research Programs: Overview & Strategy
- PD Amiq Gazdhar, Prof Andreina Schoeberlein**
Program I: Engineered Stem Cells
- Prof Volker Enzmann, Prof Benjamin Gantenbein**
Program II: Tissue Stem Cells and Specialized Cells
- Shape the future: Your input - Discussion and Outlook
- 16h50 – 17h00 **Acknowledgements**
- 17h00 - 18h00 **Networking Aperitif**

Short Biographies

Prof Cory Abate-Shen began her career as an Assistant Professor at Rutgers Medical School in 1991, followed by full Professor, Chief of the Division of Research in the Department of Medicine, and co-leader of the Prostate Program for The Cancer Institute of New Jersey. In 2007, Dr. Abate-Shen was recruited to the faculty of Columbia University Vagelos College of Physicians and Surgeons as the Michael and Stella Chernow Professor of Urological Oncology, at the Herbert Irving Comprehensive Cancer Center (HICCC). In 2008, she was appointed Associate Director at the HICCC, and served as its Interim Director in 2012 as well as in 2017-2018. In 2019, she was appointed as Chair of the Department of Pharmacology, and the Robert Sonneborn Professor of Pharmacology at Columbia University Vagelos College of Physicians and Surgeons.

Prof Abate-Shen is an internationally-recognized leader in genitourinary malignancies. Her innovative studies of genetically-engineered mouse models for these cancers have led to the discovery of new biomarkers for early detection, as well as advances in cancer prevention and treatment. In recognition of her achievements, Dr. Abate-Shen has been the recipient of numerous awards and hold various leadership positions in the American Association for Cancer Research including a member of its Board of Directors.

Prof Marianna Kruthof-de Julio is the Head of the Urological Research Laboratory of the University of Bern and Director of the Organoid CORE facility. Her laboratory focuses on developing and applying tools for precision medicine. They have generated organoids and patient-derived-xenograft models of bladder and prostate cancer and implemented microvascular on chip chambers to understand functional potential on single cells. Her research aims at understanding the cancer from multitude of angles with focus on the tumor cells, stroma, immune cells and vasculature. Particular interest is in generating tools that allow to answer outstanding questions that are aligned with the unmet clinical needs. Through this multidisciplinary approach they will unravel the processes that lead to metastasis and, ultimately, control and predict the cancer progression.

Prof Deborah Keogh-Stroka is an Associate Professor in the Department of Visceral Surgery and Medicine at the University Hospital Bern and head of Visceral Surgery Research group at the DBMR, University of Bern. Her research focuses on diseases of the liver, in particular understanding the cellular control of liver regeneration, liver cholestasis and hepatocarcinogenesis. Prior to her position at the University of Bern, she held post-doctoral position at the University of Birmingham in England and the Physiology Institute, University of Zürich. Her recent work has focused on single cell analysis using 10x Genomics and mass cytometry and imaging mass cytometry. She successfully organized a R'equip application to establish a mass cytometry platform for researchers at the University of Bern and Inselspital Bern and is the head of its management board.

Prof Olivier T. Guenat is Professor in Biomedical Engineering at the University of Bern in Switzerland and Head of the Organs-on-Chip Technologies Group at the ARTORG Center. He is associated with the Pulmonary Medicine and the Thoracic Surgery Divisions of the University Hospital of Bern. His research focuses on the development of organs-on-chip, in particular lung-on-chip models that mimic the healthy and diseased in-vivo cellular microenvironments of the lung parenchyma. Prior to his position at the University of Bern, he held a position at the Swiss Center for Electronics and Microelectronics (CSEM), was Assistant Professor at the Ecole Polytechnique de Montréal (QC, Canada), before which he performed a post-doc at Harvard Medical School in Boston and at the University of Neuchâtel in Switzerland. He is the founder of AlveoliX, a biotech start-up that aims at bringing organs-on-chip on the market.