

Our Thanks



Burgergemeinde
Bern



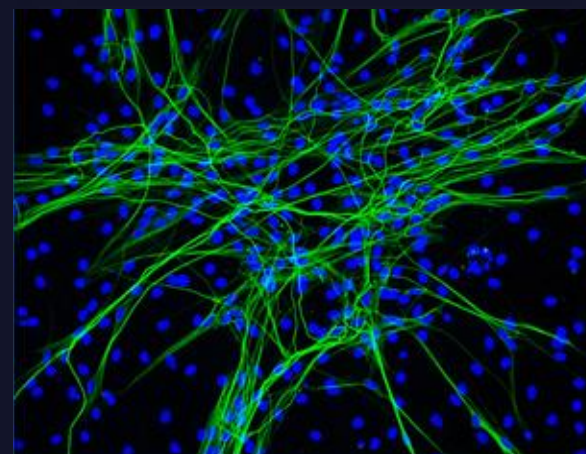
Our special thanks goes:

To all the speakers for their contribution and scientific success of this meeting

To the "Forschungstiftung Thoraxchirurgie" (Prof R. Schmid), the Medical Faculty of the University of Bern, the "Burgergemeinde Bern", Miltenyi Biotec GmbH, CELLnTEC Advanced Cell System AG, Carl Zeiss AG and Nikon AG for their financial support.

The SCRM Steering Committee

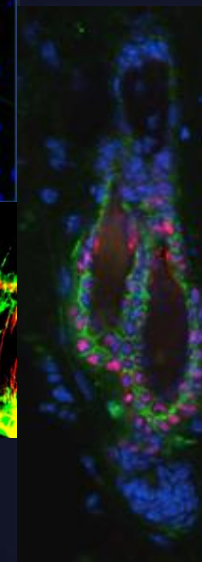
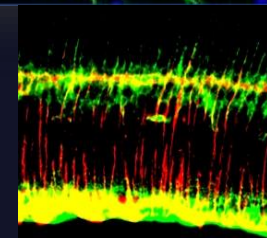
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A collaboration between Inselspital,
Medical and Vetsuisse Faculty

The SCRM Steering Committee:

Prof. Eliane J. Müller
Prof. Volker Enzmann
Prof. Benjamin Gantenbein
Dr. Amiq Gazdhar
PD Carsten Riether
Prof. Daniel Surbek
Prof. Emeritus Thomas Krause



Program

Annual Meeting 2018: Highlights from Bern

SCRM Platform, University of Bern

December 7th 2018

Haus der Universität, Schlösslistrasse 5, 3012 Bern

Program

12h30-13h00	Registration
13h00-13h15	Welcome – Prof. Eliane J. Müller Inselspital University Hospital, Medical and Vetsuisse Faculty University of Bern
13h15-13h45	Organoids PD Marta Roccio , Audiology, DBMR, University of Bern <i>3D organoid cultures for the derivation of sensory hair cells and neurons from pluripotent stem cells and somatic human fetal progenitors</i>
13h45-14h15	Stem Cells Biology Prof. Nadia Mercader-Huber , Institute of Anatomy, University of Bern <i>From cardiac fibrosis to heart regeneration: lessons from the zebrafish</i>
14h15-14h45	RNA & Cancer Prof. Rory Baldwin Johnson , DBMR, University of Bern <i>The role of non-coding DNA/RNAs in our body</i>
14h45-15h15	Coffee break
15h15-15h45	Cancer and Stem Cells PD Carsten Riether , Tumor Immunology, DBMR, University of Bern <i>Immune control of leukemia stem cells</i>
15h45-16h15	Prof. Sven Rottenberg , Institute of Animal Pathology, Vetsuisse University of Bern <i>BRCA-deficient mammary tumor organoids to study anti-cancer therapy resistance</i>
16h15-16h45	Panel Discussion – Together We Shape the Future Chairs: Prof. Eliane J. Müller, Prof. Volker Enzmann Steering Committee, Speakers & the Audience Special guest: Prof. Daniel Candinas, Vice-Rector Research <i>Update on the Bern Center for Precision Medicine</i>
16h45-17h00	SCRM Poster Award 2018 Announcement and presentation of the best Poster selected at the DBMR Day of Bio Medical Research
17h00-18h00	Networking Aperitif

Papers

PD Marta Roccio

Perny M, et al, Generation of otic sensory neurons from mouse embryonic stem cells in 3D culture, Front Cell Neurosci, 11, 2017.

Roccio M, et al, Molecular characterization and prospective isolation of human fetal cochlear hair cell progenitors, Nat Commun, 9, 2018.

Prof. Nadia Mercader-Huber

Sánchez-Iranzo H. et al, Transient fibrosis resolves via fibroblast inactivation in the regenerating zebrafish heart, Proc Natl Acad Sci USA, 2018.

Sánchez-Iranzo H, et al, Tbx5a lineage tracing shows cardiomyocyte plasticity during zebrafish heart regeneration, Nat Commun, 9, 2018.

Prof. Rory Johnson

Uszczynska-Ratajczak B, et al, Towards a complete map of the human long non-coding RNA transcriptome, Nat Rev Genet, 19, 2018.

Lagarde J, et al, High-throughput annotation of full-length long noncoding RNAs with capture long-read sequencing, Nat Genet, 49, 2017.

Lanzós A, et al, Discovery of Cancer Driver Long Noncoding RNAs across 1112 Tumour Genomes: New Candidates and Distinguishing Features, Sci Rep, 7, 2017

PD Carsten Riether

Riether C, et al, CD70/CD27 signaling promotes blast stemness and is a viable therapeutic target in acute myeloid leukemia, J Exp Med, 214, 2017.

Prof. Sven Rottenberg

Darte AA, et al, BRCA-deficient mouse mammary tumor organoids to study cancer-drug resistance, Nat Methods, 15, 2018.

Sachs N, et al, A Living Biobank of Breast Cancer Organoids Captures Disease Heterogeneity, Cell, 172, 2018.

Barazas M, et al, The CST Complex Mediates End Protection at Double-Strand Breaks and Promotes PARP Inhibitor Sensitivity in BRCA1-Deficient Cells, Cell Rep, 15, 2018.

Gogola E, et al, Selective Loss of PARG Restores PARylation and Counteracts PARP Inhibitor-Mediated Synthetic Lethality, Cancer Cell, 11, 2018.

Noordermeer SM, et al, The shieldin complex mediates 53BP1-dependent DNA repair, Nature, 560, 2018.