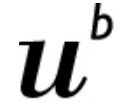




SCRM

 INSELSPITAL
UNIVERSITÄTSSPITAL BERN
HÔPITAL UNIVERSITAIRE DE BERNE

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UNIVERSITÄT
BERN

Bern

Stem Cell Research and Regenerative Medicine Platform

Biotechnet Retreat
January 30-31, 2023

Eliane J Müller
Amiq Gazdhar
Andreina Schöberlein



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- Mission
- Pillars
- Research fields
- SCRM activities 2022 / 2023
- SCRM organigram January 2023



SCRM Platform: Factsheet



scrm.unibe.ch

Founded 2012

Support member base with continuous educational and research activities

- Interfaculty: UniBE Med, VetMed, PhilNat Faculties
- Inter-institutional: UniBE & Inselspital, Bern University Hospital

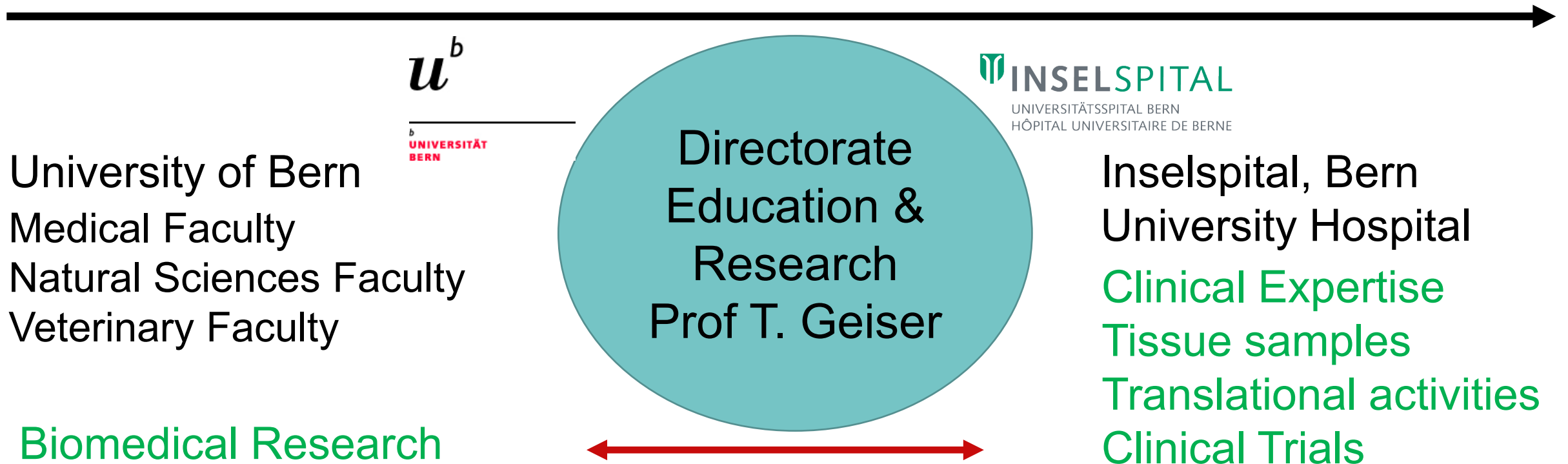
35 member groups



SCRM Factsheet

- Interface University of Bern – Inselspital, Bern University Hospital
- Interface Pre-clinical Research – Clinical Studies / Applications

SCRM Platform



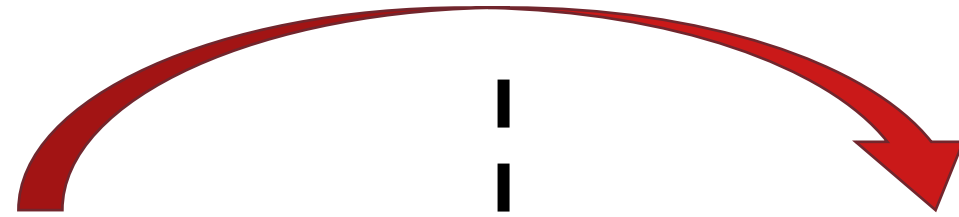


Mission

Accelerate **Translation** into Cell-based Therapies

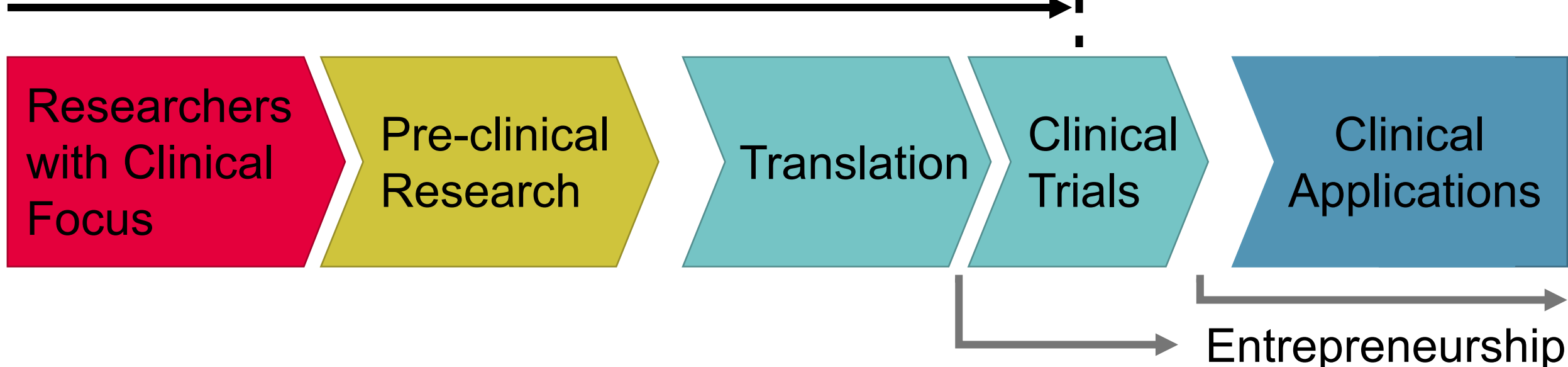


SCRM
Bern Stem Cell Research
and Regenerative Medicine
University of Bern



SCRM Programs

Hospitals





SCRM three Pillars

Teaching & Scientific Exchange

SCRM Members

- Lunch Seminars
- Annual Meetings
- Congresses

PhD Students

- PhD Curriculum Specialization GCB
- PhD Retreat

Master Students

- Biomed Curriculum with UniFR

Translational Research Pre-clinical & Clinical

Technical & Translational Research Programs

- Engineered Stem Cells:
iPSC & ESC
- Tissue Stem Cells &
Specialized Cells

Translational Manufacturing of Cells & Cellular Products

- Cell Culture Scale-Up Unit

Facilities

- Organoid Core Facility
- Organ-on-chip
- Insel Biobank

Affiliations & Partners Networking

Affiliations with Academia

- BCPM Bern Center for Precision Medicine (Founding member)
- TCBM – Translational and Clinical Bio-Manufacturing
- SICT – Member Swiss Institute for Cell Therapies
- SSCN – Member Swiss Stem Cell Network
- SAKK – Member Cell Therapy Group

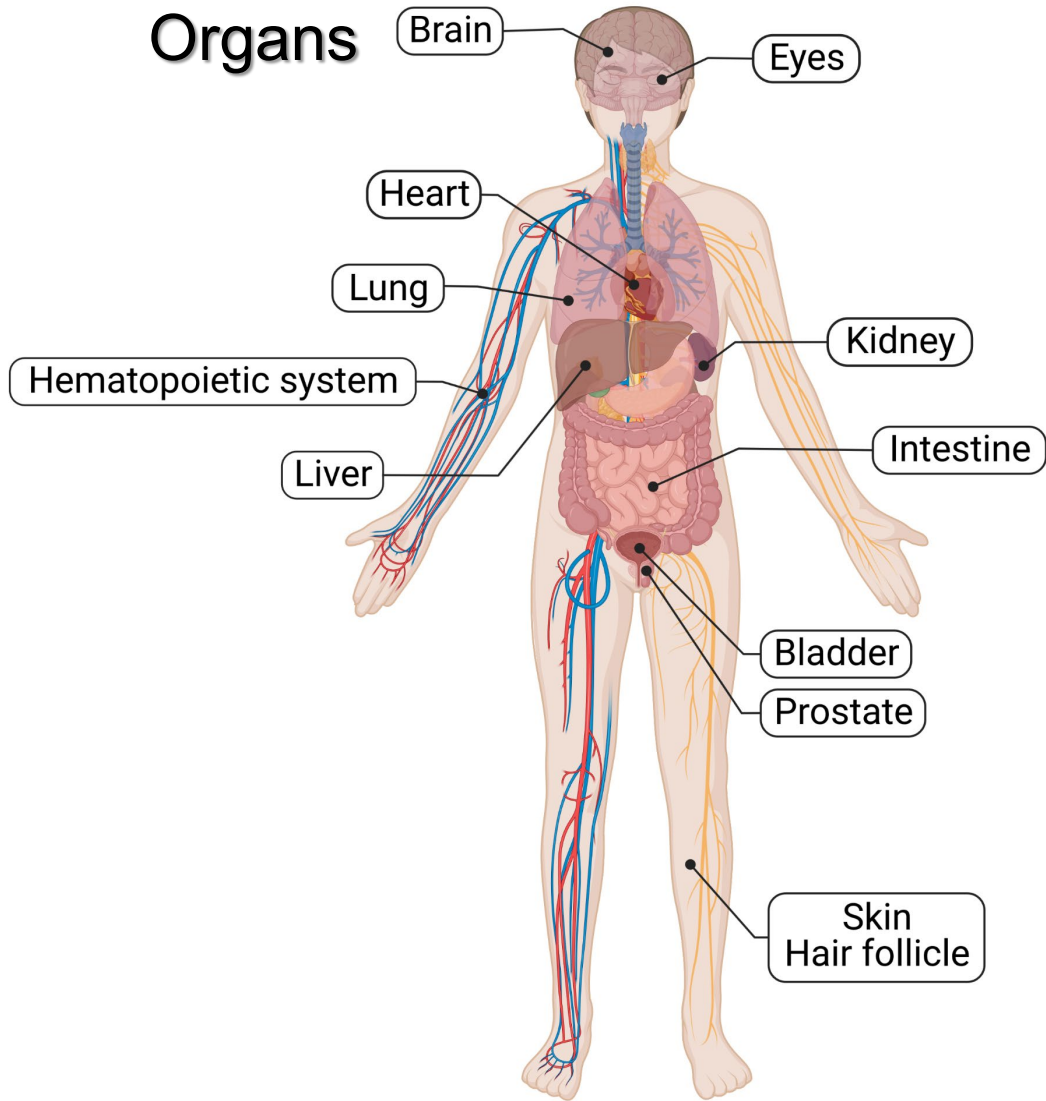
Partners for Translation

- Biotechnet / SBA (Member)
- Sitem-Insel / sitem StartUp Club / sitem MedTech Hub
- Innosuisse
- Industry Partners: Miltenyi Biotech, CSL Behring etc.

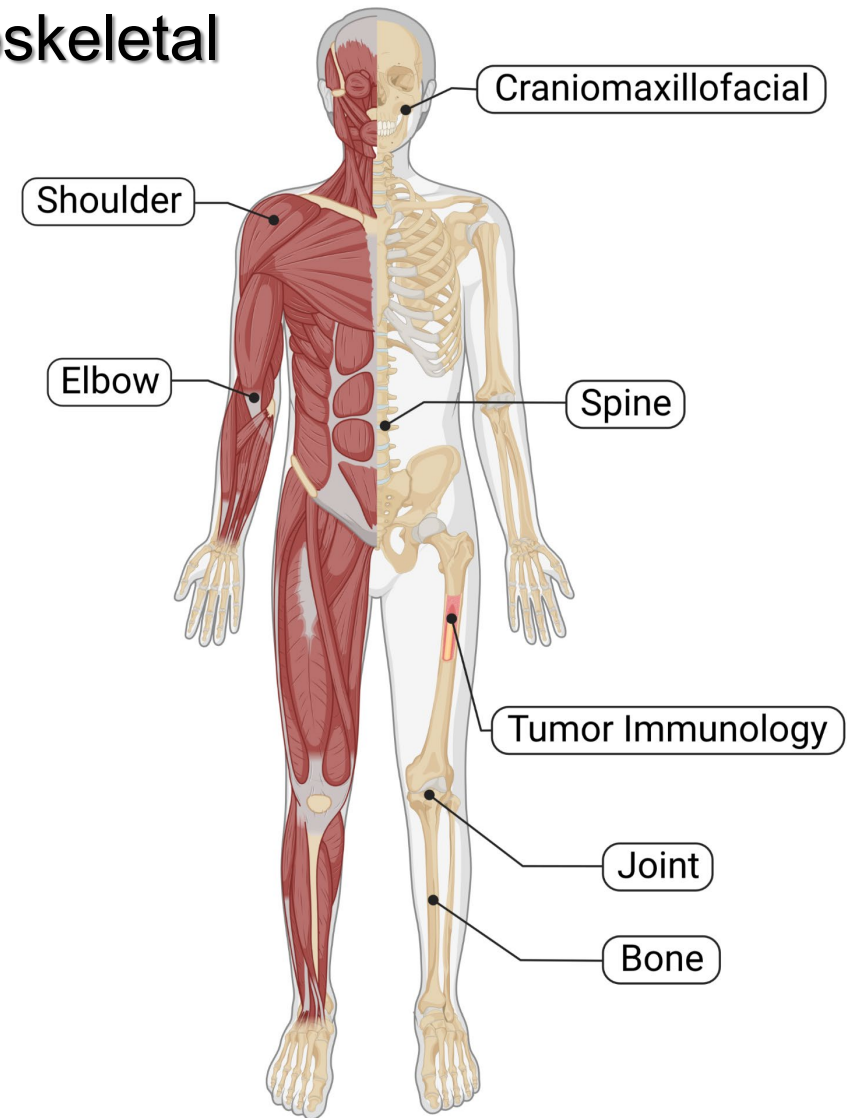


SCRM research expertise

Organs

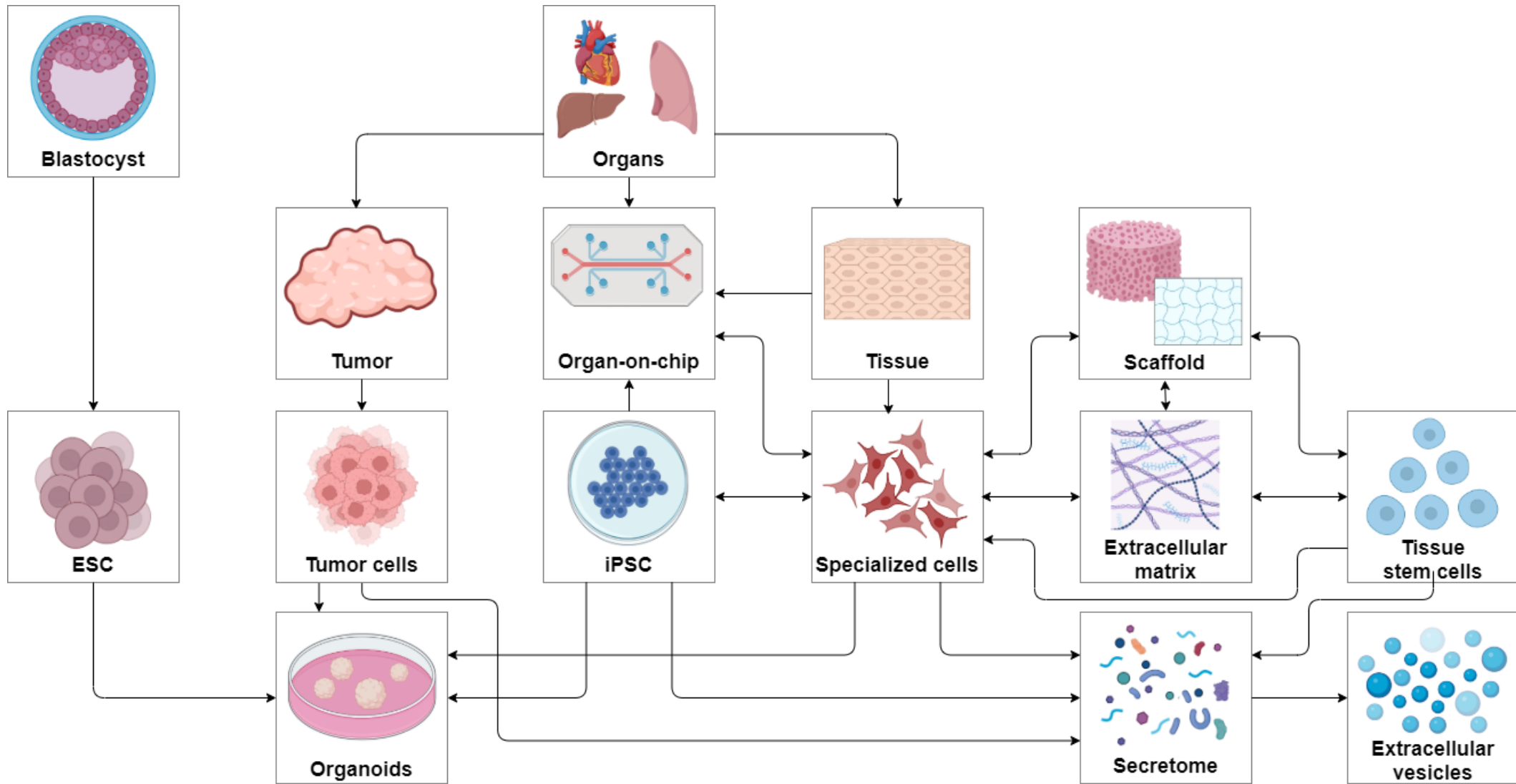


Musculoskeletal System





SCRM expertise in cell-based systems



SCRM activities 2022

- PhD Retreat

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 **biotechnet**
switzerland

 **gcb**
Graduate School
for Cellular and
Biomedical Sciences

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9th Annual PhD Students Retreat

2022

September 2

Gurten Park, Bern

Highlights:

- Discuss your ongoing research and future plans
- Career overview
- Learn about the benefits and drawbacks of academic research compared to industry
- Discuss opportunities after your PhD with the specialists

Mentors:



Alexandre Reymond
Director Center for Integrative Genomics
University of Lausanne



Adrian Zürcher
Head of Research Europe and
Head of Plasma Protein
Research at CSL Behring

Register online: <http://www.stemcellsbern.ch/wb/pages/intropage.php>

Participation → free of charge

Presentation → 0.5 ECTS

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 **biotechnet**
switzerland

 **gcb**
Graduate School
for Cellular and
Biomedical Sciences

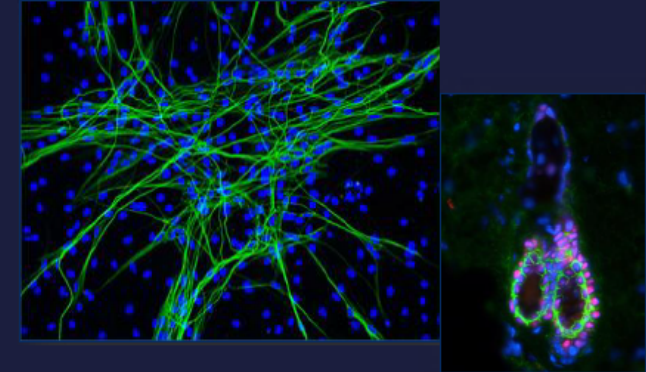
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SCRM activities 2022: Highlight

Keynotes: Translational Research

- 13h15 – 13:45 **Prof Bernhard Kiss / Prof Marianna Kruithof-de Julio**
Organoid Developments to treat bladder cancer
Clinic Urology, Inselspital / Urology Research Laboratory, DBMR
- 13:45 – 14:15 **Prof Thomas Pabst / PD Michele Bernasconi**
CAR T-cells and progress in clinical applications
Clinic Medical Oncology, Inselspital / Pediatric Hematology & Oncology Research, DBMR
- 14:15 – 14:45 **PD Sabina Guler / PD Amiq Gazdhar**
Pulmonary fibrosis: can cell-based therapy heal the lung?
Clinic Pulmonary Medicine, Inselspital / Pneumology Research Laboratory, DBMR
- 15:15 – 15:45 **MD-PhD Sandrine Cornaz Buros / Prof Andreina Schoeberlein**
Neonatal brain injury and treatment with perinatal tissue extracellular vesicles
Clinic Pediatric Neurology, Inselspital / Prenatal Medicine, DBMR
- 15:45 – 16:15 **Prof Markus Schmidt / Prof Antoine Adamantidis**
Brain Damages, Neuronal Plasticity
Clinic Neurology, Inselspital / Center Experimental Neurology, DBMR
- 16:15 – 16:45 **Dr Berna Özdemir / Prof Mirjam Schenk**
Melanoma Pathology and Clinical Needs; Hydrogel treatment
Clinic Medical Oncology, Inselspital / Institute of Pathology, UBE



A collaboration between Medical Faculty and Inselspital
The SCRM Steering Committee:
Prof. Eliane J. Müller
Prof. Andreina Schoeberlein
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 2022
Research meets Clinic

SCRM Platform, University of Bern
November 11th 2022

Haus der Universität, Schösslistrasse 5, 3012 Bern
Register: www.stemcellsbern.ch

SCRM activities 2022: Annual Meeting





SCRM activities 2023

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- PhD Retreat
- SCRM Lunch Seminar
- SCRM Teachings
- DBMR Research Day SCRM Poster Award
- SCRM Research Programs
- SCRM Annual Meeting
- Built up of a Cell therapy scale-up core



SCRM Organigram – January 2023

SCRM Office

Carissa Abbas (Assistent)



Scientific Advisory Board

Scientific Support

Ad hoc

Steering Committee

Executive Activity

Prof Andreina Schoeberlein (Lead)
PD Dr med Amiq Gazdhar (Co-Lead)
Prof Volker Enzmann
Prof Benjamin Gantenbein
Prof Deborah Keogh-Stroka
Prof Paola Luciani
Prof Eliane J. Müller (Past Lead)
Prof em Thomas Krause
Prof Marianna Kruithof-de Julio
Prof Carsten Riether
Prof Daniel Surbek

Strategic Board

Strategic Coordination Cell Therapy
Bern and CH-wide Cell Therapy
Platform

Prof Andreina Schoeberlein (Lead)
PD Dr med Amiq Gazdhar (Co-Lead)

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