



Swiss Society for Biomaterials + Regenerative Medicine
Société Suisse des Biomatériaux + Médecine Régénérative
Schweizerische Gesellschaft für Biomaterialien + Regenerative Medizin
Società Svizzera di Biomateriali + Medicina Rigenerativa

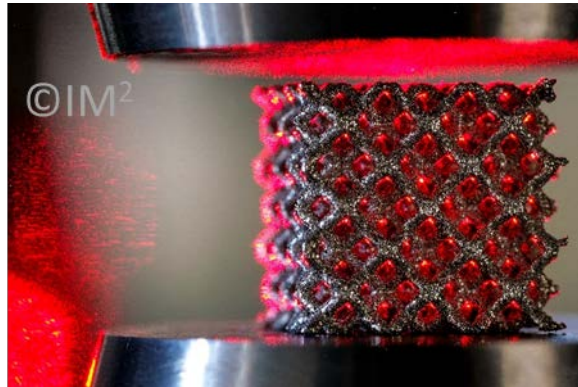
**SWISS SOCIETY FOR BIOMATERIALS AND REGENERATIVE MEDICINE -
2018 FALL NEWSLETTER**

Dear SSB+RM Members, Sponsors and Friends,

1. We are pleased to announce the 25th Annual Meeting of the Swiss Society for Biomaterials and Regenerative Medicine (SSB+RM) which will take place on the new Campus of the n|w University of Applied Sciences Northwestern Switzerland FHNW Muttenz on May 22nd/23rd, 2019.

ABSTRACT DEADLINE March 25th, 2019 !!

The topic of the meeting is "Biodegradable Materials" and we have put together a very interesting program with top-class speakers for this two-day event.



Invited speakers are:

- **Prof. Dr. Regine Willumeit-Römer** (Helmholtz-Zentrum Geesthacht, Germany), "The Interplay Between Biodegradable Mg Implants And Cells And Tissues"
- **Dr. Thomas Hefti** and **Mrs. Philine Baumann-Zumstein** (Vascular Interventions, Biotronik AG, Bülach), "Resorbable Magnesium Scaffolds For Coronary Vascular Intervention; From Bench To Clinics"
- **Dr. Joëlle Amédée-Vilamitjana** (Tissue Bioengineering, Université de Bordeaux), "Vascularisation and innervation in regenerative medicine"
- **Dr. Maurizio Gullo** (FHNW, Institute for Medical Engineering and Medical Informatics IM²), "Challenges In 3D Biofabrication - From Organs On Chip Towards Organ Replacement"
- **Prof. Dr. Martin A. McNally** (University of Oxford, President of the European Bone and Joint Infection Society), "Biodegradable Antibiotic Carriers In Prevention And Treatment Of Bone And Joint Infections"
- **Prof. Dr. Leonard Charles Marais** (Orthopedic Surgery, University Kwazulu-Natal, Durban, South Africa), "Reconstruction Of Bone Defects".

Besides a series of invited lectures on selected topics, oral and poster sessions on cutting-edge research on biodegradable materials as well as on general regenerative medicine and biomaterials will take place. A special emphasis will be student projects at the Bachelor, Masters and Doctoral level. We strongly encourage you to attend this unique scientific and networking event for the Swiss biomaterials community.

A dedicated workshop organized for the **Young Scientists** of the SSB+RM will be held as a pre-meeting event. Daniel Seiler will lead this workshop entitled "Patient-Specific Implants Produced By Additive Manufacturing" including hands-on practice and a tour through the implant manufacturing labs at the FHNW Campus Muttenz. Please, visit <https://ssbrm.ch/> for updated information on the meeting.



2. Other Upcoming Biomaterials Related Events:

[MEET THE EXPERT] Implants

Materials and Surface Technology for Implants, Tuesday, 19th March 2019, Olten (Switzerland)

The conference **[MEET THE EXPERT] Implants** is taking place for the tenth time and is the well-known event for the implant industry in Europe. This one-day conference is designed equally for manufacturers of implants, suppliers and service providers, as well as for universities and institutes. The program includes keynote lectures, short presentations, a tabletop exhibition and time for discussions and networking.

We invite you to submit abstracts for short presentations of 15 minutes on novel aspects of materials and surface technologies for implants. We would welcome presentations relating to research, development, process optimization and regulatory aspects. The lecture language is English. Abstract submissions (150 to 200 words) will be accepted until 16th December 2018 at www.rms-foundation.ch/meet (link valid from October 10, 2018).

Conference paper abstracts will be published online following the event. Presenters must submit their abstract (max. 1 page) according to the predefined template until 10th February 2019.

3. Young Scientists SSB+RM Awards

PhD/MD Thesis Award

To honor excellent scientific work in the area of Biomaterials and Regenerative Medicine, the SSB+RM will present a **Research Award** for an **outstanding PhD or MD thesis**. The award will be given based on originality and impact of the work. The PhD/MD Research Award consists of **CHF 1'000.- and a certificate**. We ask the scientists, who finalized their PhD or MD Thesis in 2018 or 2019 to apply. Supervisors are invited to inform potential candidates. Winners are expected to attend the Annual Meeting and present their work. For more information see: <https://ssbrm.ch/young-scientists/awards/>

Deadline: Monday, April 1, 2019

Student Mobility Grants **NEW!**

The SSB+RM **Mobility Grant** intends to support students from Swiss research institutions to visit other centers of research to **learn specific techniques, methods, experiments, setups, etc.** The award will be given based on originality and perceived value to be gained for the applicant's work. There will be two mobility grants per year of **CHF 1'500.- each. Undergraduate, master, PhD and MD students** are welcome to participate. Supervisors are invited to inform potential candidates. Winners are expected to attend the Annual Meeting and present their work. For more information see: <https://ssbrm.ch/young-scientists/awards/>

Next deadlines: Saturday, December 1, 2018; Monday July 1, 2019

4. Highlights from the Fribourg Meeting

On June 6-7, 2018, the **24th Annual Meeting of the Swiss Society for Biomaterials and Regenerative Medicine (SSB+RM2018)** took place at the **Adolphe Merkle Institute (AMI)**, in **Fribourg**. We give a warm thanks to Prof. Barbara Rothen for hosting the meeting! Besides general topics in the field of Biomaterials and Regenerative Medicine, the special topic of the conference focused on **“Bioinspired Materials”**.

The following keynote speakers presented at the meeting:

- **Prof. Peter Fratzl**, Max Planck Institute of Colloids and Interfaces, Munich.
Bone growth and regeneration – A materials science perspective
- **Prof. André Studart**, Complex Materials, Department of Materials, ETH Zürich.
3D Printing of biologically-inspired materials
- **Prof. Christoph Weder**, Adolphe Merkle Institute, University of Fribourg.
Bio-inspired stimuli-responsive materials
- **Dr. Benjamin Pippenger**, Institut Straumann AG, Basel.
Multifactorial surface modifications for comprehensive tissue management: a conceptual approach to dental implantology

A **Young Scientists pre-conference workshop** took place on the morning of June 6, 2018 with 25 participants. The topic of the workshop was: “How to target and get the perfect job for you: career workshop on job interviews, CV preparation, networking and much more. The workshop was animated by Daniela Gunz, from the Career Services of the University of Zürich.

Four consecutive sessions (I: Bioinspired Materials, II: Biomaterials, III: Bioinspired Materials and Regenerative Medicine, and IV: Open Topics) were covered during the two day meeting. All presented abstracts are published on the [eCM conferences website](#). A Welcome drink & Conference dinner was organized for all participants at the Restaurant *Le Commerce* in Fribourg. It was a very friendly and entertaining evening to network in an informal setting.

C. Wyss and M. Estermann were awarded the [best oral and poster presentations](#), respectively:

- **C. Wyss**: Resistance to damage of pre-conditioned composite hydrogel implants
- **M. Estermann**: 3-D bioprinting of a human omentum model: Mimicking the mesothelial cell layer and microenvironment in vivo



With kind regards,
Your SSB+RM Executive Committee