

The 4th Young Scientist Symposium - From Micro To Macro In Biomedicine



The Young Scientist team of the Swiss Society for Biomaterial and Regenerative Medicine (SSB+RM) organized the 4th Young Scientist symposium on Thursday October 7th 2021, at ETH HauptGebäude (HG) with the funding support from the ETHZ Rektorat (Ref. #1-000005-006 (VB 16195)).



The aim of this symposium was to give young scientists the opportunity to present their research projects, exchange ideas and meet other scientists in the field. There was plenty of time for discussion and interaction during lunch, poster-session breaks and the wonderful apéro. Thanks to this event, the young scientists could expand their network, improve their

communication skills, and establish new collaborations in a highly stimulating environment.

There were a total of 99 attendants including master students, PhD students, postdocs, senior scientists and professors. Participants were from different research institutes in Switzerland including ETH Zürich, University Hospital of Zürich, Universität Zürich, AO Research Institute Davos, University Hospital of Basel, Basel University, Fachhochschule Nordwestschweiz (FHNW), Swiss Federal Laboratories for Materials Science and Technology (Empa), Ente Ospedaliero Cantonale (EOC), and University of Bern.



During the event, 34 young scientists presented their scientific work. Eight scientists showcased their results within 12 minutes in the form of an oral presentation, while another ten presented their contributions with a 2-minute rapid fire presentation and poster. Further, fifteen additional posters were presented and discussed during two poster sessions. The scientists covered different research topics including material sciences, nanoparticles, osteoarthritis, microfluidics, cartilage and bone tissue engineering, cancer research, and hematopoiesis, among others.

Two keynote speakers shared their great experience in Organs-on-Chip Technologies and Nanoparticle systems. Both speakers succeeded in translating their cutting-edge basic research into successful clinical trials. The first keynote speaker was Prof. Olivier Guenat (represented by his PhD student Jan Schulte), who is a group leader at University of Bern, ARTORG Center for Biomedical Engineering Research, Organs-on-Chip Technologies.

The second keynote speaker was Prof. Inge Hermann, a Professor specialized in Nanoparticle Systems at ETH Zürich, Department of Mechanical and Process Engineering. Both talks were truly inspiring and led to constructive interactions between the speakers and their audiences.

The presenting students were evaluated by an external jury composed of three senior scientists from different Swiss institutions: Dr. Anna Puiggali-Jou (ETH Zürich) Dr. Celine Labouesse (ETH Zürich) and Dr. Andres Garcia (USB Basel). The jury evaluated the work of the students, provoked them with questions related to their work



and assigned six prize winners which were announced at the end of the day before the apéro. The “Best Oral Presentation” award went to Bruno Marco-Dufort, the “2nd Best Oral Presentation” to Tino Stauber, the “Best Rapid Fire Presentation” to Nicola di Marzio, the “2nd Best Rapid Fire Presentation” to Börte Emiroglu, the “Best Poster Presentation” to Nadine Kluser, and the “2nd Best Poster Presentation” to Stéphane Bernhard .

The SSB+RM general assembly 2021 was held during the symposium, where Prof. Martin Ehrbar was elected as SSB+RM president.

Once again, the environment during the symposium enhanced networking and new collaborations among students and concluded with a great apéro!

Looking forward to seeing you at the next events.

With kind regards,
Your YS Organizing Committee