



University
of Basel

Department of
Biomedical Engineering

DBE Newsletter

May 2024

Congratulations



to Functional Biomechanics:

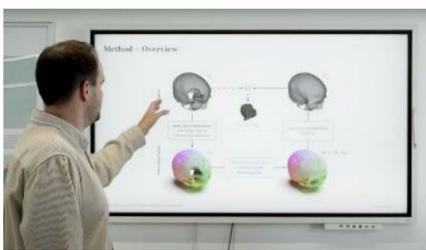
Leon Schooff, master student in the Functional Biomechanics team won the AMTI Best Experimental Study Award at the 2024 Congress of the German Society of Biomechanics in Heidelberg with maximum scores in all categories. Dr. Linda Bühl and Eleonora Croci won travel scholarships. Furthermore Dr. Linda Bühl and Jeremy Genter are finalists for the young investigator award and Prof. Mündermann was honored as Outstanding Reviewer of the Year for the International Osteoarthritis Research Society's journal "Osteoarthritis and Cartilage Open". Check out more about Functional Biomechanics [here](#).



to Dr. Simon Herger on his Grant for Junior Researchers

Dr. Simon Herger has been granted with almost 80'000 CHF from the [University of Basel Research Fund for Junior Researchers](#). He received the grant for his project "Joint contact pressure during walking derived from motion capture and musculoskeletal modeling - predictor for changes in knee cartilage thickness and composition in persons with early radiological signs of age-related or posttraumatic osteoarthritis".

About us – Highlights



Documentary on AI in Surgery Showcases Prof. Thieringer/Prof. Cattin collaboration

KI Campus, a German learning platform for artificial intelligence, has just released a documentary video on AI in surgery. It showcases the work of AI-related work of SwissMAM and CIAN in designing and 3D printing of cranial implants. Find the video at [DBE News](#).



Prof. Rauter and Prof. Cattin on Swiss National Radio

Swiss Radio and Television SRF visited the DBE to find out why Switzerland is so successful in medical technology innovation. Professors Georg Rauter and Phillippe Cattin provided answers and presented examples from robotics and artificial intelligence. Find the interview and online article at [DBE News](#).



Breathtaking Progress in Breath Research Highlighted by SNSF

The Swiss National Science Foundation has published a feature on the research of Prof. Pablo Sinues' Translational Medicine Breath Research (TMBR) group at DBE and their system for breath analysis through mass spectrometry which they have established at the University Children's Hospital and elsewhere. SNSF especially highlights the fascinating options provided by newly developed bags containing patient's breath. Read the full article [here](#).



New in the Surgical Armamentarium: 3D Printing

In a conversation in "3D Adept Mag" about the what, why, and how of additive manufacturing in oral and maxillofacial surgery, Prof. Florian Thieringer talks about the necessity of advanced technology for complex trauma injuries, on intracorporal printing and the future of personalized patient care. Check it out [DBE News](#).

About us – We welcome



Mingyi Liu, who started his PhD in the research group CIO led by Dr. Ferda Canbaz. Holding a master's degree in Physical Electronics from Jilin University with a strong focus on the preparation of nanomaterials and pulsed fiber lasers, Mingyi was a software project engineer at two global companies. Now fully focused on research again, he delves into the field of laser ablation, laser blade technology, and fiber lasers.

Events



Networking Event - Bright Peak Therapeutics | May 30 | SIP Allschwil

Switzerland Innovation Park (SIP) invites you to the upcoming networking apéro at Innovation Lounge in the SIP area to get to know Bright Peak Therapeutics and to chat with Jeremy Beauchamp, Director of Operations. Register [here](#).

Community Breakfast with Arcondis Group | June 13 | SIP Allschwil

You are invited to meet Arcondis Group, who has helped multiple start-ups with fundraising, EU/US market entry, scaling, and more, during a networking breakfast. No registration needed, just join the event starting from 09:30 at Switzerland Innovation Park Basel Area, Hegenheimermattweg 167A, 4123 Allschwil.

Networking event hosted by SIP and Innovation Office of University of Basel | June 18

Come together at the GRID Courtyard for an evening focused on fostering connections among entrepreneurs, startups and supporters, with live music by the talented Welsh Kates. No formal presentations, just meaningful conversations, idea exchanges, and opportunities for mutual support. Register [here](#).



**Swiss National
Science Foundation**

Swiss Reproducibility Conference 2024 | June 10-11 | Zurich

[Register](#) for the Swiss Reproducibility Conference. The first national conference covers topics related to reproducibility and includes the National Reproducibility Awards ceremony.



Swiss Medtech Day 2024 | June 11 | Bern

More than 600 people from medical technology, healthcare, research and science meet every year at the Swiss Medtech Day to have a platform for discussing challenges and developments in the medical technology industry. This year's Swiss Medtech Day is dedicated to the topic of "Mastering Complexity". Find [here](#) the registration and detailed program.

Calls & Research Funding and Deadlines



**Swiss National
Science Foundation**

MAPS – Multilateral Academic Projects

As a multilateral initiative, [MAPS](#) aims to strengthen research collaboration between Bulgaria, Croatia, Hungary, Poland, Romania, and Switzerland. Submission deadline: July 1, 2024.

Postdoc.Mobility

[Postdoc.Mobility](#) fellowships support researchers after the doctorate who wish to conduct a research stay abroad. Submission deadline: August 2, 2025.

Check out the [SNF website](#) for further calls.

At the Department of Biomedical Engineering, we translate basic science and engineering into medical knowledge and healthcare innovations. We provide high quality education and capacity building for academics, clinicians, and industrial partners. The DBE is a joint venture of the University of Basel, the University Hospital Basel and the University Children's Hospital Basel.

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