



University  
of Basel

Department of  
Biomedical Engineering

# DBE Newsletter

April 2021

## Congratulations



### to Prof. Brunner, Prof. Cattin and Prof. Viehweger on their SNSF grant

Their SNSF project "[Stop Tip-Toeing Around Toe-Walking](#)" aims for a better understanding of the interplay among the mechanisms that underpin toe-walking adaptation in children with cerebral palsy. To do so, the researchers will address the effect of psychological factors (via the use of a custom-designed virtual reality environment) on static vs. dynamic stability, motor control and coordination (indirect assessment of central nervous system function), as well as reflex control (Hoffmann-reflex, H-reflex, performance of peripheral nervous system). They will also investigate the effects of the current treatment of restoring heel striking in toe-walkers.



### to PD Dr. Daniel Studer on his [venia docendi](#) at the University of Basel

[Dr. Studer](#) was born and raised in the beautiful Laufental. He completed his medical studies and most of his specialist medical training in Basel. For more than 10 years he has been working in the Department of Pediatric Orthopedics at the UKBB and deepened his knowledge in this field during his Clinical Research Fellowship in Adelaide, Australia and now habilitates with a focus on the pathologies of the pediatric spine.

## Highlighted



### First official DBE Annual Report

The DBE's Annual Report 2020 is released. It is full of achievements, highlights and collaborations of our Department in the past year. Please check it out [here](#). If you wish to generate a group specific report, please contact [Reinhard Wendler](#) who has designed the report.



### Innovation moves – DBE@GRID

In December 2022 the offices and research facilities of the DBE will move to the GRID\*! Today we are releasing a new [website DBE@GRID](#) which allows the future residents to follow, comment and influence the development of their future work place. The DBE@GRID website is meant for the future DBE@GRID residents and therefore is accessible only with an active VPN connection to the University of Basel (connect via [vpn.mobile.unibas.ch](#)). As the construction of the new premises progresses, this website will be updated with the latest photos and plans, a calendar lists the upcoming planning meetings. If you want to stay informed about the latest developments subscribe to the DBE@GRID Blog on this website.

\* The GRID is now officially called "Switzerland Innovation Park Basel Area Main Campus".

## Events



### Meet to Write

The PHD Program Health Sciences (PPHS) course "[Meet to Write](#)" provides PhD students with the fundamentals and techniques to develop their own writing style and habits with the goal of finalizing a manuscript. Entry is possible at any time.



### Health online event, May 6, 2021 - Horizon Europe

Horizon Europe offers a variety of funding opportunities in the area of health and biotech. Open calls are in different areas under the pillar "Global Challenges and European Industrial Competitiveness" (collaborative projects, topics pre-defined). On May 6, Euresearch provides an [online info event](#) on "Research and innovation in health and biotech for industry and academia". Calls in areas like "tackling diseases", "environment and health", "staying healthy", "digital health", "healthy food systems", biomarkers, diagnostics or medtech will be presented.



### Biotech Start-up Conference - from preclinical studies to marketing authorization

The [Biotech Start-up Conference](#) is intended to be a platform for connecting people from (bio-)pharmaceutical start-ups with the aim of promoting the exchange of knowledge and experience to speed-up the time-to-market process. The conference will take place on June 01, 2021.



### Do not forget to register for Medical Robotics Week 2021!

The Medical Robotics Week 2021 will take place from June 7-11, 2021. The one-week conference consists of three different components, which are supported by two scientific societies:

- From June 7-9, 2021 the [MESROB](#) (new trends in MEDical and Service ROBotics) will take place virtually, a biannual core conference of IFToMM (International Federation for the Promotion of Mechanism and Machine Science).
- Simultaneously, [AUTOMED](#) (automation in medical technology) will be offered virtually from June 8-9, 2021, a conference from the AUTOMED community, VDE, and supported by IEEE.
- The MRW 2021 ends with three workshops (among others in cooperation with the Institute for Nursing Sciences of the University of Basel) on June 10-11, 2021.

Please register [here](#).



### Online-Event: From Industry to Medical Robotics

After the Medical Robotics Week, Basel Area will host an online event on June 30, 2021 on the topic of robotics and industry. Prof. Georg Rauter will present his research, followed by highlights of the Medical Robotics Week and a round table discussion. The event will take place online, participation is free but requires [registration](#) by June 29, 2021.



### Swiss Medtech Day 2021 – September 8, 2021

More than 600 people from medical technology, healthcare, research and science meet at the annual Swiss Medtech Day. The event has a fresh new image – both the brand identity and the event concept have been revised for 2021. The 23<sup>rd</sup> event Swiss Medtech Day is dedicated entirely to the topic of “Digital Health Technology” which will be a major driver of healthcare in the future. The [registration](#) platform is open.

## Calls & Research Funding Deadlines



### Sino-Swiss Science and Technology Cooperation (SSSTC): Call for proposals for Joint Research Projects with China (JRPs)

In the context of the bilateral programmes initiated by the federal government, the SNSF and the National Natural Science Foundation of China (NSFC) are issuing [a call for Joint Research Projects \(JRPs\)](#). Joint Research Projects (JRPs) allow researchers in Switzerland to collaborate with researchers in China. The submission deadline is June 18, 2021.

### Practice-to-Science

[Practice-to-Science grants](#) are awarded in all disciplines taught at universities of applied sciences and universities of teacher education. Their primary aim is to make use-inspired research more competitive. Practice-to-Science grants are aimed at qualified experts with sound practical experience who wish to return to academia as professors at a university of applied sciences or a university of teacher education. The submission deadline is July 15, 2021.



### Pre-announcement: SPHN & PHRT Call for proposals for National Data Streams

The Swiss Personalized Health Network (SPHN) initiative and the Personalized Health and Related Technologies (PHRT) focus area of the ETH domain have pre-announced a joint call for proposals for National Data Stream (NDS). Please find more information about it [here](#) or contact [cristina.golfieri@unibas.ch](mailto:cristina.golfieri@unibas.ch) the personalized health coordinator of the University of Basel.



### Grants Office Newsletter

In the latest [newsletter](#) from the University of Basel's Grants Office you will find various calls for proposals and funding opportunities as well as other relevant articles.

## Good to know



### Regulations: What's new?

What changes can you expect in SNSF research funding in April: “Scientific Exchanges: support of online and hybrid events”, “Practice-to-Science - rules adapted” and “Harmonised rules for specialized committees”. [This regularly updated page](#) from the SNSF gives you the latest information about new requirements and opportunities.

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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