



University
of Basel

Department of
Biomedical Engineering

DBE Newsletter

March 2025

Congratulations



**Graduate School
Medical & Health Sciences**
Faculty of Medicine
Faculty of Science

to Prof. Georg Rauter on being elected co-head of the of the new PhD Board GSMHS

Earlier this year, Georg was elected co-head of the PhD board that is responsible for all future doctoral degree procedures within the new Graduate School Medical and Health Sciences (GSMHS). All new PhD students at the Department of Biomedical Engineering will be part of the GSMHS. [More information.](#)

About us – Highlighted



MIRACLE II to represent Swiss innovation at EXPO 2025 in Osaka

The MIRACLE II Project, funded by the Werner Siemens Stiftung, takes part in the exhibition “Life” at the Swiss Pavilion of the EXPO 2025 in Osaka, Japan (11 June – 12 August 2025).

Organized by Presence Switzerland and Swissnex Japan, MII will be featured in the "Empowering Lives" Zone under the "Vitality Swiss" theme, showcasing innovations in augmented human, life, and planet. The "Life" section, where MII will be exhibited, expects around 8’000 daily visitors.

A workshop on 11 July will mark a world first: two clinicians—one in Osaka, one in Basel—will meet in a virtual operating theatre to discuss a knee surgery. The Basel stage will be at the FanPlaza of the UEFA Women’s EURO on Barfüsserplatz. [Follow for updates.](#)



Master’s Info Evening – great engagement on-site and online

On 20 March, the Master’s Program took part in the University of Basel’s Master’s Info Evening with both a physical booth and a virtual presence. Program Head Prof. Pablo Sinues presented the program to 52 prospective students. Program coordinators and current master’s students were available to answer questions to people visiting the booths. Overall, it was a successful evening — and we hope to welcome many of these students to the program next semester.

About us – Spotlight on a young group



Computational and Translational Pathology (CTP), led by Prof. Viktor Kölzer combines expertise from the disciplines of clinical and molecular pathology with computer science and artificial intelligence. CTP focuses on foundational biomedical research, and pioneers innovative diagnostic and bioanalytical strategies for translational research and clinical practice. On the picture from left to right: Marta Nowak, Gina Boot, Jiqing Wu, Felix Müller, Bernard Hild, Viktor Kölzer, Marcel Fischer, Maxime Lafarge, Mariam Gachechiladze, Sonali Andani, and Lydia Schönpflug. [Website.](#)

About us – We welcome



Leo Widmer, who started his PhD in the CIAN group led by Prof. Philippe Cattin. He previously worked as a civil servant in the same group and holds a master's degree in computer science from ETH Zürich. His PhD project is about making physics simulations more efficient using deep learning, with the goal of performing fast patient specific simulations for real-time organ modeling and topology optimization of implants.

Events



SCTO Symposium 2025 | June 3 | Basel

“Bridging the divide: Integrating clinical trials with medical care” is the focus of this year’s SCTO symposium. A substantial gap exists between the generation of knowledge through randomized controlled trials (RCTs) and its practical application in clinical care. Bridging this divide requires focused improvements in several critical areas. [More information and registration.](#)

Calls & Research Funding



**Swiss National
Science Foundation**

COST

[COST](#) (European Cooperation in Science and Technology) is a programme that aims to enable breakthrough scientific developments leading to new concepts and products. Submission deadline: 29.04.2025






JSPS Postdoctoral Fellowships 2025

The postdoctoral fellowships programme offered by the Japan Society for the Promotion of Science ([JSPS](#)) enables researchers in Switzerland to stay in Japan for 12 to 24 months. Submission deadline: 30.04.2025

Agora

The [Agora](#) scheme aims to foster dialogue between scientists and society and encourages researchers to communicate their current research to an audience of lay people. Submission deadline: 09.2025

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

	<p>Marie Skłodowska-Curie Actions - Postdoctoral Fellowships</p> <p>The MSCA PF is an interesting option as the next career step to gain further experience abroad. Through this program, the University of Basel can also host postdocs from other countries for two years. The call opens in April 2025 and has a deadline in September 2025. An information event by Euresearch will take place on 15 April.</p>
	<p>EIC Accelerator</p> <p>The EIC Accelerator is a funding programme under Horizon Europe that offers support to start-ups that:</p> <ul style="list-style-type: none">• have a innovative, game changing product, service or business model that could create new markets or disrupt existing ones in Europe and even worldwide,• have the ambition and commitment to scale up,• are looking for substantial funding, but the risks involved are too high for private investors alone to invest <p>Submission deadline: 1.10.2025</p>
<p>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.</p>	<p>You would like to publish news in the newsletter? Please write us at news-dbe@unibas.ch</p> <div><div>Universität Basel</div><div>Universitätsspital Basel</div><div>UKBB Universitäts-Kinderspital beider Basel</div></div>