



University
of Basel

Department of
Biomedical Engineering

DBE Newsletter

August 2026

Congratulations



Three Leading House Asia Pacific grants driving international collaborations forward
Three department projects have received funding through the Leading House Asia Pacific program at the University of Zurich. These grants support collaborations with partners in Australia, Japan, and China. Led by Dr. Valentina Basoli, Dr. Maxime Lafarge, and Dr. Olivier Braissant, the projects focus on regenerative medicine, ovarian cancer prognostication, and plant-derived exosomes, respectively. The grants will advance research, foster international partnerships, and promote researcher mobility. [Read more.](#)

About us – highlighted



Portrait: Dr. David Koch featured in Uninews "In Focus" series
David from the Translational Spine Research & Biomechanics Group is featured in the University of Basel “In Focus” series. A former student representative and member of the DBE community, David reflects on how his passion for sport and his original plan to become a teacher ultimately led him to movement science and biomechanics. [Read more.](#)

About us – we welcome



Prof. Burcu Tepekule has joined the department as professor of Pediatric Infectious and Emerging Diseases Modeling where she will lead the Pediatric Disease Modeling Lab. Her group combines mathematical modeling, statistical analysis, and causal inference on longitudinal multi-omics data to understand how early-life microbiome exposures shape the developing immune system, infectious disease dynamics, and non-communicable diseases, informing strategies for pediatric care.



Dr. Hasti Yavari has joined the Center for Intelligent Optics as a postdoctoral researcher under the supervision of Dr. Ferda Canbaz. She will work on the development of an OCT-guided femtosecond laser system for corneal augmentation surgery. Hasti completed her PhD research jointly at Tyndall National Institute (Ireland) and Princess Margaret Cancer Centre (Canada). Her doctoral thesis was titled “Novel Biophotonics Imaging for Clinical Applications”.

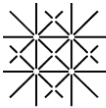


Debora D'Aversa has joined Prof. Bert Müller's Biomaterials Science Center as a PhD student. Her research focuses on developing advanced synchrotron X-ray tomography and computational image analysis to bridge brain imaging from mouse to human. By creating high-resolution, three-dimensional brain datasets, she aims to support the next generation of digital brain atlases for neuroscience research.

Career



Innosuisse Entrepreneurship Training Fall 2026 | Registration deadline: 20.08.2026
This 12-week course, designed for PhD candidates, postdocs, researchers, and professors, introduces the fundamentals of entrepreneurship and startup creation. Whether you already have a business idea, are in the early stages, or are simply curious about entrepreneurship, this course equips participants with practical skills for entrepreneurial thinking and future startup success. [Read more.](#)



University
of Basel

Department of
Biomedical Engineering

Junior Research Group Leader at DBE | Submission deadline: 12.10.2026
Join the DBE as a Junior Group Leader and drive innovative, translational research within our cutting-edge competence clusters to shape the future of science. Candidates must be supported by a mentor (i.e a Senior Group Leader). Applications will be reviewed by the DBE Executive Board. See [DBE website](#) for further details.

Upcoming Events



Workshop on Computational Reproducibility | August 13 | University of Bern
This course introduces participating researchers and students to a full pipeline for creating and sharing computationally reproducible data analyses, including version control with Git, analysis workflow management and best practices for publishing. Join to learn how to make your analyses (more) transparent, shareable, and reproducible! [More information.](#)



Athena’s Journey Summer Apéro | August 20 | Kollegienhaus Basel
Athena’s Journey provides a platform to empower women in science, with monthly talks sharing the challenges women face during their career progression in an inclusive and supportive environment. Join the Summer Apéro, which will feature a panel discussion on "Connecting Research and Innovation: Women at the Interface of Industry and Academia". [More information.](#)



Career Day for Postdocs | November 13 | Hotel Odelya Basel
Explore diverse career paths within and beyond academia at the Career Day for Postdocs. Connect with peers, gain insights, and reflect on your professional future. All postdocs are also invited to the Anniversary Celebration of the Career Advancement Office and Junior Researchers Committee immediately following the event. Registration opens on September 16. [More information.](#)

Research Funding



Postdoc.Mobility: 219 fellowships funded with CHF 26.7 million
Through this [initiative](#), 77 female and 88 male researchers from all disciplines are benefiting from stays abroad lasting one to two years. The final call for Postdoc.mobility will close in August 2027, with a new postdoctoral funding launched in early 2028.

Project Funding | Submission deadline: 01.10.2026
This [funding scheme](#) enables qualified researchers to independently carry out projects on topics and research objectives of their own choosing.

Ambizione | Submission deadline: 03.11.2026
This [program](#) supports early-career researchers wishing to conduct, manage, and lead an independent project at a Swiss higher education institution. For further details, join the Grants Office’s Zoom [information session](#) on September 7th.

See [SNSF website](#) for further calls.



ERC Plus grants: opportunity for ambitious research | Submission deadline: 02.09.2026
The European Research Council (ERC) has announced an extraordinary new funding scheme: [ERC Plus grants](#). These grants, worth up to EUR 7 million each, are designed to support high-impact, long-term research projects across all disciplines.



Ypsomed Innovation Award | Submission deadline: 27.09.2026
The [award](#) encourages innovative and entrepreneurial teams or individuals to align their scientific work with market needs and transform their developments into market-ready products or services. Submissions should showcase innovative, economically viable processes, methods, products, or services.



Prix Schläfli | Submission deadline: 30.11.2026
The [Prix Schläfli](#), one of Switzerland’s oldest scientific prizes, honors outstanding PhD research in natural sciences. Since the first awarding in 1886, 132 young talents from various disciplines have been distinguished.



EIC Accelerator Funding
The [EIC Accelerator](#) provides funding under Horizon Europe for startups developing innovative products, services, or business models with the potential to disrupt markets in Europe and globally. It targets teams with the ambition to scale but requires substantial support due to high-risk factors that limit private investment. Submission process: A rolling-based pre-proposal, followed by a full proposal if selected.

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.

Would you like to publish in the newsletter?
Please write us at communication-dbe@unibas.ch



Universität
Basel



Universitätsspital
Basel

