



University
of Basel

Department of
Biomedical Engineering

DBE Newsletter

May 2023

Congratulations



on the Innosuisse Grant for Prof. Georg Rauter

Congratulations to Prof. Georg Rauter (Head of BIROMED-Lab), Prof. Ronald Jung (Chairman Clinic of Reconstructive Dentistry, Center of Dental Medicine, University of Zürich), and Dr. Christian Rähle (CTO, CAMLOG Biotechnologies GmbH) for their [Innosuisse Project "Miniature Intraoral Robot \(MIR\) Performing Minimal-invasive, Personalized and Precision Dentistry"](#) that is ready to start in May 2023 with an overall budget of more than 2 MioCHF.



on the Innosuisse Grant for Olivier Braissant & Bottmedical

Bottmedical, Universitäres Zentrum für Zahnmedizin Basel (UZB), University of Zurich and FHNW, secured a grant of more than 500.000 CHF for the development of orthodontic devices with natural antimicrobial substances effective against Streptococcus mutans, Streptococcus mitis and other oral pathogens. Find more details at [DBE News](#).



to Dr. Nalabothu on the grant "Research Fund for Excellent Junior Researchers"

Dr. Prasad Nalabothu from the [Facial and Cranial Anomalies \(FCA\) group](#) has been awarded a grant of 80.000 CHF from the "Research Fund for Excellent Junior Researchers" of the University of Basel. His research focuses on the clinical application of artificial intelligence and smartphone-based 3D reconstruction for newborns with cleft lip and palate in low-resource settings..

About us – Highlighted



DBE Annual Report 2022

The DBE proudly presents its 2022 Annual Report. A little later than last year due to the DBE's move at the end of 2022 and the re-establishment of our workshops and laboratories at the beginning of 2023. As you can imagine, the move is a subject in our annual report but never the less it is full of achievements and highlights. You can read it online and download it [here](#).



This is what interdisciplinary work looks like today!

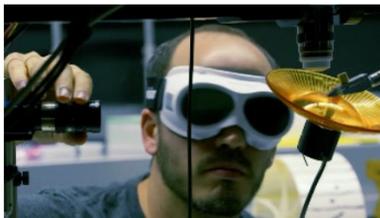
Innovation, technology, and human know-how united during a tour at the DBE. Representatives of the Department of Surgery of the University Hospital immersed in current research on VR technology, hosted by Prof. Philippe Cattin. The focus was on shared exchange as basis for truly translational innovation. Find the video at [DBE News](#).



DBE PhD Day 2023: A Space Walk

This year's DBE PhD Day took place on May 5 at DBE's new premises in Allschwil. The building, internally metaphorized as a spaceship, served as the basis for space walks through some of our labs: 3D Print Lab, Robotics Lab, Optics Lab, VR Stations and our shared Biosafety Labs. Find more details including pictures at [DBE News](#).

About us – We welcome



Dr. Ben Suter and the Bilateral Neurocircuitry Lab

Coordination between hemispheres allows the brain to act as a unified system and be experienced as a single mind. In his [Bilateral Neurocircuitry Lab](#), [Ben Suter](#) investigates the underlying mechanisms. Human medicine, in particular seminal studies with split-brain patients, has revealed the importance of interhemispheric connections in establishing a unified mind. How this union fundamentally comes about is an open question. Suter tackles it by combining various approaches including in vivo microscopy and virtual reality.

Events



Colloquium on "ChatGPT Demystified, Biozentrum", June 5, 17:00

The Responsible Digital Society Research Network invites you to the Colloquium on "ChatGPT Demystified: Insights into Development, Ethics & Sustainability, and Real-World Use Cases". An aperitif will be offered afterwards. Find more [here](#).



Arcondis HQ Switzerland & Panel discussion on the Future of Healthcare, June 7, 16:30

Arcondis announces the grand opening of their new Swiss Headquarters at Swiss Innovation Park Basel, Main Campus in Allschwil and invites you to join the festivities. As part of the grand opening, Arcondis will hosting a panel discussion on the Future of Healthcare followed by an apéro riche and networking. Find more details [here](#).



European Implementation Event, Basel, June 8 & 9

At [EIE2023](#), the focus is on implementation, execution, application, and integration of research findings into daily healthcare practice.



5th Symposium on 3D Printing for Life Sciences, University Hospital Basel, June 28

Join the Smart Implants group for the [5th 3D Printing for Life Sciences Symposium](#) at the University Hospital Basel, in collaboration with the University of Applied Sciences Northwestern Switzerland and BaselArea.swiss. Explore the latest advancements in 3D printing and its applications in Life Sciences. Engage with experts from the pharmaceutical and medical device industries and exchange ideas with dedicated researchers.



Media courses for researchers

How do I communicate my research topic to a broader audience? How can I present complex findings in an understandable way and still be precise? Find [here](#) all details including dates.



UKBB Research Day, Basel, November 10

Save the date for the UKBB Research Day. The program including the registration will follow soon.

Calls & Research Funding Deadlines



Eucor Seed Money - Call for Applications 2023

The European Campus opens a [call for applications for its 7th round of Seed Money funding](#). This call aims to drive collaborative cross-border projects in the Upper Rhine region in the field of Teaching or Research, Innovation and Transfer. Seed Money supports 2-year projects with up to €60,000 per award. The projects selected by the Assembly in December can start at the earliest on February 1, 2024. Submission deadline: September 7, 2023.



Postdoc.Mobility

[Postdoc.Mobility](#) fellowships support postdocs who wish to conduct a research stay abroad. Submission deadline: August 2, 2023.

International research initiative on climate change

The challenges created by climate change can only be adequately addressed through international cooperation. The SNSF is acting on this and joining a Canadian-led [call](#). Submission deadline: September 12, 23.

Call Practice-to-Science

[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. Submission deadline: October 3, 2023.

Check [here](#) all open and permanent funding opportunities of the SNF.

Good to know



Concurrent funding

Researchers can now receive up to [three grants from project funding](#) for the same funding period. Three grants are possible when at least one of these is approved for a Lead Agency/Weave, International Co-Investigator Scheme or EU Consortium project. The topics addressed by the proposed research projects must differ clearly from one another.

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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