



University  
of Basel

Department of  
Biomedical Engineering

# DBE Newsletter

## February 2023

### About us - Highlighted



#### University of Basel and FHNW launch joint Master in Biomedical Engineering

The Joint Degree Master in Biomedical Engineering will be offered by the two universities for the first time in the fall semester of 2023. Classes are taught in English; registration is possible until the end of April. The program is designed for students with a bachelor's degree in medicine and natural sciences like computer science, biology and nanoscience. Find more at [DBE news](#) including information about the online info event at March 16, 2023.



#### Next Stop: Superhuman Precision

With the increasing use of smart tools in the OR, operations are currently becoming much more precise. Laser technology is likely to become one of the most important of these new tools, because lasers can not only cut and ablate tissue, but also identify it. Such a multifunctional system is currently being developed in the Biomedical Laser & Optics Group (BLOG) at DBE. Find the full story at [DBE news](#).

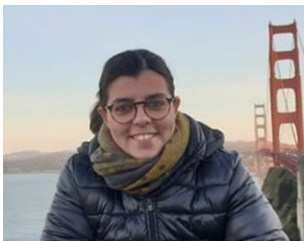


#### Can a surgical robot play the drums?

See the [video](#) to find out!

Mer wynsche Euch e scheeni Fasnacht - We wish you a great carnival!

### About us – We welcome



**Dr. Valentina Basoli**, who started as researcher for Smart Implants group led by Prof. Florian Thieringer. Valentina worked as Research Scientist at AO Research Institute Davos before, where was conducting studies on new strategies for the treatment (Therapeutic mRNA) and monitoring of orthopedic regeneration (electrochemical and optical biosensors). For Smart Implants group, Valentina will be responsible of the 3D bio-fabrications branch and the translational application.



**Andreas Roser**, who started as a specialist for Additive Manufacturing for Swiss MAM / Smart Implants. Andreas founded his own Industrial 3D Printing Service in Germany. For the past 2 years he worked for a AM Company in Zürich where he was responsible for Print on Demand, CAD and Product Development and Development of Automated Quotation Algorithms as well as Key Account Management. For Swiss MAM / Smart Implants, Andreas will technically support the Core facility 3D Print Lab at DBE and USB.

### Events



#### Swiss Biotech Day 2023, April 24-25, 2023, Congress Center Basel

Discuss and discover trends in R&D, manufacturing, data management, artificial intelligence and innovative financing in life science industry at the Swiss Biotech Day 2023. Find the program and registration [here](#).

### Calls & Research Funding Deadlines



#### Horizon Europe Funding Opportunities for Researchers based in Switzerland

Despite the current non-association to Horizon Europe, researchers based in Switzerland are still eligible to apply to many calls. [Topics for the 2023 and 2024 Calls](#) have been published and the European Commission organized subject specific information and networking days. The [Euresearch](#) network offers specific information, advice and support and offers free proposal reviews under certain conditions. Please contact the [Grants Office](#) if you plan to apply for a Horizon Europe project or you have any questions.

IKRB



Interkantonale Koordinationsstelle  
bei der Regio Basiliensis

#### Interreg Upper Rhine Call for Projects 2023

[Two Calls](#) for cross-border, knowledge and technology transfer projects. Swiss partners can be associated partners, funded through federal funds. Submission deadline: March 24, 2023.



NOVARTIS

#### FreeNovation – Call 2023

[FreeNovation 2023](#): Can your project idea change biomedical research? Unconventional, bold projects on the topics of RNA (as a Mechanism, drug or target); Beyond AlphaFold, and 3D and 4D Genome. Submission deadline: April 15, 2023.



#### Project funding

Under the [project funding](#) scheme, qualified researchers define their research themes and objectives themselves and conduct their project under their own responsibility. Submission deadline: April 3, 2023.

#### Sinergia

[Sinergia](#) promotes the interdisciplinary collaboration of two to four applicants who propose breakthrough research. Submission deadline: April 17, 2023.

#### COST projects in Switzerland

The SNSF is launching the 2023 call for Swiss-based projects associated with [COST](#) networks (COST Actions). Submission deadline: April 20, 2023.

#### Spark - new call in spring 2023

Following a positive evaluation of the pilot phase, [Spark](#) is now part of the SNSF's regular funding portfolio, with minor changes in the regulations. The next call opens on April 3, 2023 and closes on May 2, 2023.

#### R'Equip

The SNSF awards [R'Equip](#) grants in all scientific disciplines for the acquisition, modernisation and development of large-scale research equipment. Submission deadline: May 2, 2023.

Check [here](#) all open calls of the SNF.

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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