



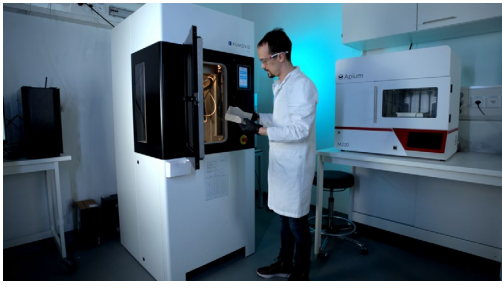
University  
of Basel

Department of  
Biomedical Engineering

# DBE Newsletter

April 2024

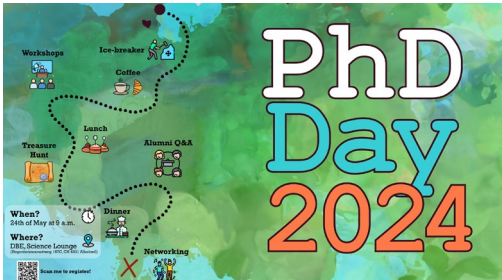
## About us – DBE Core Facilities



### DBE Core Facility (CF) – 3D Printing

The 3D Printing Core Facility provides a full service one-stop solution for all additive manufacturing (3D printing) needs and is equipped with over 25 3D printers across 9 additive technologies. The CF is specialized in 3D printing for clinical and research applications as well as mechanical engineering and industrial solutions. The service portfolio includes: consulting and support in additive manufacturing, model generation and CAD development of parts and assemblies, 3D print manufacturing using various technologies, postprocessing and assembly, as well as knowledge transfer and courses. Check out the [website](#) to find all information about the CF 3D Printing and how to work with us.

## About us – DBE Events



### PhD Day 2024 | May 24, 9:00 am | DBE Science Lounge

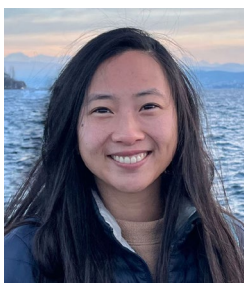
On May 24 we will hold this year's PhD Day at the DBE. Join other PhD candidates for workshops, games (including a thrilling treasure hunt), an alumni Q&A, and a delicious barbecue. Don't miss this opportunity to meet other PhD students whilst having a pleasant day together. Save the date and stay tuned for more details! Register [here](#).



### 10<sup>th</sup> DBE Research Day | August 21 | Biozentrum Basel

On August 21 the DBE celebrates its 10<sup>th</sup> Research Day followed by an apéro. The event showcases DBE's progress in bridging the gap between medicine and engineering. The program is not finalized yet and will be published as soon as we have it. You can already register for the 10<sup>th</sup> Research Day and for the apéro [here](#).

## About us – We welcome



**Lauren Chee**, who started as a Postdoc in the BIROMED-Lab led by Prof. Georg Rauter. Lauren first became interested in the medical and rehabilitation applications of engineering during her undergraduate studies at the University of Toronto. She then completed her Masters and PhD at the ETH Zürich where she investigated the use of non-invasive electrical stimulation to restore lost sensation in neuropathic patients. She will join the inSEA2SpineBot team developing a robotic device to measure in situ spine stiffness in adolescent idiopathic scoliosis as a postdoc and project manager.



**Sébastien Muheim**, who started his PhD in Prof. Georg Rauter's BIROMED-Lab group. Building upon the knowledge acquired throughout the DBE's master program, he will explore reinforcement learning for control to further enhance symbiotic human-robot interactions. His research will primarily focus on the Free Levitation for Overground Active Training (FLOAT) robot.

## Events



### SCTO Symposium 2024 | June 11 | Lausanne

This year's symposium of the Swiss Clinical Trial Organization (SCTO) will address various issues related to research with data in Switzerland. These include the technical and regulatory requirements, the integration of data from various sources and aspects of data governance. Check out the program and registration [here](#).



University  
of Basel

University Library

### Coffee Lectures at the University Hospital Basel

Every Wednesday in May, organized by the University Library of Medicine, a [20-minute Coffee Lecture](#) highlights different facets of academic research, with a focus on systematic reviews, scientific databases and AI tools for scientific publishing.

## Calls & Research Funding and Deadlines



### Prof. Dr. Max Cloëtta Foundation – medical research position

[The Prof. Dr. Max Cloëtta Foundation](#) calls for applications for a long-term research position. The Prof. Dr. Max Cloëtta Foundation finances medical research positions at Swiss universities, clinics and institutes for medical professionals under the age of 40. Submission deadline: June 30, 2024.



#### **BRIDGE Discovery**

Innosuisse and the SNSF are launching the eighth call for proposals for the funding scheme [BRIDGE Discovery](#). The Discovery funding scheme is aimed at experienced researchers from all disciplines who wish to realize an innovation with great social or economic impact. Submission deadline: May 13, 2024.

#### **Call for proposals THCS: Personalised Prevention in Health and Care Services**

The SNSF is participating in the European Partnership [THCS call](#). Swiss-based researchers can apply. This call aims to support the implementation of innovative person-centered health and care models addressing prevention strategies with the key help of existing IT and digital technologies and services. Submission deadline extended: May 21, 2024

#### **JPND JTC call 2024: EU Joint Program – Neurodegenerative Disease Research**

The EU Joint Program – [Neurodegenerative Disease Research \(JPND\)](#) is launching a transnational call on mechanisms and measurement of disease progression in the early phase of neurodegenerative diseases. Submission deadline: June 25, 2024

#### **ERA-NET NEURON JTC call 2024**

The NEURON Network has launched a joint transnational call for projects on [“Bidirectional Brain-Body Interactions”](#). Submission deadline: June 28, 2024

#### **MAPS – Multilateral Academic Projects**

As a multilateral initiative, [MAPS](#) aims to strengthen research collaboration between Bulgaria, Croatia, Hungary, Poland, Romania, and Switzerland. Submission deadline: July 1, 2024.

#### **National Centres of Competence in Research (NCCRs): the SNSF launches a new call**

Long-term research on strategic topics: the SNSF is launching a new series of National Centres of Competence in Research (NCCRs) on behalf of the federal government. This [new call](#) is thematically open and is aimed at all disciplines. Submission deadline: February 3, 2025.

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

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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