



University  
of Basel

Department of  
Biomedical Engineering

# DBE Newsletter

August 2023

## Congratulations



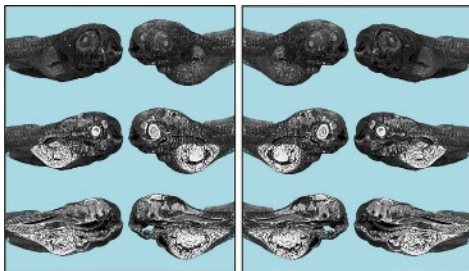
**on the Advanced Researcher Grant to Prof. Thieringer, Dr. Sharma, PD Dr. Rohr**  
Dr. Neha Sharma and Prof. Florian Thieringer from the Smart Implants Group, together with their collaboration partner PD Dr. Nadja Rohr from University Center for Dental Medicine Basel (UZB), have been awarded a prestigious grant in the Advanced Researcher Grant section of the Osteology Foundation. Their project, entitled "[Establishing Additive Manufacturing of Next-Generation Bio-Resorbable Composite Mesh for Guided Bone Regeneration](#)", has secured the grant.



**to Esma Tankus and Jokin Zubizarreta from Smart Implants**  
Jokin Zubizarreta won the Gold Pitching Award at the [5<sup>th</sup> Symposium on 3D Printing for Life Sciences](#), held in Basel. This is a highly competitive event that brings together researchers, industry professionals and experts in the field.

Esma Bahar Tankus is the winner of the Silver Award at the E.S.T.R.O.T. conference in Frankfurt, Germany. Her abstract titled "Guiding nasal chondrocytes through 3D bioprinted design to generate an osteochondral tissue" was awarded during the free paper session.

## About us – Highlighted



### Imaging Zebrafish Larvae to Evaluate Future Drugs

Future drugs must be tested to see if they harm the kidney. Cell-based assays are often used for this purpose, although it is difficult to extrapolate the results to vertebrates. Researchers of the Biomaterials Science Center and the MiNa Core Facility of the DBE together with pharmaceutical technologists and French beamline scientists have evaluated whether zebrafish larvae could serve as a vertebrate screening model to detect changes of renal organs induced by the antibiotic gentamicin. Find out more in the [DBE News](#).



### Yukiko Tomooka from BIROMED-LAB In Focus

BIROMED-Lab researchers Yukiko Tomooka is featured in the current issue of [Uni News](#). The "In Focus" series showcases young researchers who are playing an important role in furthering the university's international reputation.

## Events



### CURAC: Conference on Computer- and Robot-Assisted Surgery, August 24 – 26

The German Society for Computer- and Robot-Assisted Surgery holds their annual [CURAC conference](#) in Basel, Biozentrum. Organized by Prof. Georg Rauter, head of the BIROMED-Lab, the conference presents keynotes of leading researchers in the fields of AI, surgical robotics and digital surgery.



### Concert @GRID - Pat's Big Band, August 25, 19:00 – 22:00

Join the [free concert of Pat's Big Band](#) in the atrium of the GRID building. The concert is a tribute to the deceased soul and jazz singer Amy Winehouse. The program includes all the unforgettable hits, from "Rehab" to "Valerie" and "Back to Black". Various food stands will be available in the atrium that evening.



### 9<sup>th</sup> DBE Research Day, August 29: Don't Forget to Register!

We are looking forward to seeing you at the 9<sup>th</sup> DBE Research Day with the motto "innovative research from bench to bedside" at "Zentrum für Lehre und Forschung" (ZLF) of the University Hospital Basel. Check our attractive program with translational science sketches, film screenings and very inspiring talks and do not forget to register [here](#) if you like to join!

## Entrepreneurship Training

Innosuisse Start-up Training Module 1 & 2 - Central Region

### Entrepreneurship Training – Modul 2 "Business Concept", Innovation Garage Allschwil

The sessions are led by experienced coaches, who will teach you the essence of pitching, team building, marketing & communication, financial planning and investor's perspective, getting to know your customer, your business model and stakeholders, opportunities and challenges of intellectual property. The course is held in English and is free of charge. Register [here](#) until September 1, 2023.

## Calls & Research Funding Events and Deadlines



### SNSF Live in Basel, August 25, 11:00 – 14:00, University of Basel, Kollegienhaus

Find out what's new in the Swiss National Science Foundation project funding scheme, funding for collaborative research and more. On August 25, the [SNSF](#) will be in Basel to talk about these changes and other SNSF Calls.

### "SNSF Consolidator Grant" Applicants Event: September 7, 17:00 – 18:00, online

The event is for candidates planning to apply to the upcoming SNSF Consolidator Call. Participants will receive an overview of the application and evaluation process, as well as input from two successful grantees from last year's call. If you are interested, send an e-mail to [grants@unibas.ch](mailto:grants@unibas.ch).

### "Ambizione" Applicants Event, September 13, 16:00 – 18:00, online

For all researchers who are preparing an Ambizione application. You will be informed about the submission and evaluation process including the most important requirements. Please register by sending an e-mail to [grants@unibas.ch](mailto:grants@unibas.ch).



#### Sports Award – University of Basel

To promote, support and recognize athletic achievements and merits in the field of sports, the university awards the «University Sports Award» every year. More information about the criteria for the sports award and the possibilities for nominating candidates can be found [here](#). Application deadline is end of August.



#### Project funding

Individual or collaborative, disciplinary or interdisciplinary – realize your ideas with the [Project Funding](#) of SNSF. SNSF can finance your research project for one to four years. Submission deadline: October 2, 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, 23.

#### SNSF Consolidator Grants

The scheme is intended for researchers who intended to apply for an [ERC Consolidator Grant](#) with the aim of conducting research in Switzerland and consolidating their scientific independence. Submission deadline: October 16, 23.

#### Spirit

[SPIRIT](#) facilitates knowledge exchange between researchers in Switzerland and researchers in a range of low- and middle-income countries. Submission deadline: November 2, 23.

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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Please write us to [news-dbe@unibas.ch](mailto:news-dbe@unibas.ch)

