



University
of Basel

Department of
Biomedical Engineering

DBE Newsletter

November 2020

Research Funding Information



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Innosuisse – Swiss Innovation Agency

SNSF and Innosuisse information events (November 5 & 11, December 11, 2020)

Do you wish to pursue a career in research or learn more about securing funding for a project? In November and December 2020, the SNSF and Innosuisse will organise three information events for researchers. They will take place online using Webex. Please find more about it [here](#).



EURESEARCH

Swiss guide to European research & innovation

Horizon Europe funding opportunities for academia and industry with a focus on the “Health” Cluster, Webinar at November 26, from 16.30-19.30h

Euresearch and the Grants Office at University of Basel offer an [info event](#) on the forthcoming “Health Cluster” in the new European Research and Innovation Programme Horizon Europe. The aim of this event is to inform participants from industry, SMEs, start-ups as well as academia about the funding opportunities for clinical and “health” related research from Horizon Europe. Horizon Europe is the new European research and innovation programme with more than 80 billion EUR of funding available over the next 7 years.



ESPECIALLY for the DBE: Horizon 2020 Zoom Meeting, December 9, 2020, from 14:00-15:00h

Horizon 2020, the current EU framework programme for research funding, will come to an end soon and the new programme Horizon Europe is due to start in 2021. On Wednesday 9th December the Grants Office will give a short overview of the funding opportunities from Horizon Europe and the main changes to be expected. The following topics will be covered: Horizon Europe an introduction, European Research Council (ERC) - an update 2021, Marie-Sklodowska-Curie programmes - what’s new, Collaborative Projects from Horizon Europe.

To sign-up for the Zoom meeting on Wednesday, December 9, 14:00 – 15:00h, please send an e-mail to grants@unibas.ch.

Events



Composites in MedTech, November 24-26, 2020

During the 3-day virtual event, speakers from the composites industry and universities will give exciting presentations on how they have mastered specific problems in the field of medical technology and what the current state of the art is. They will also present future problems for which they are currently looking for technical and/or material solutions. The event is held in English and available at a reduced rate for Swiss Medtech members (use the voucher PartnerOrganizationSwissMedTech in step 5 of the [registration](#)).



Universitäres
Zentrum für
Zahnmedizin
Basel

2nd UZB Research day - April 16, 2021 – UZB, Mattenstrasse 40, 4058 Basel

Save the date for the annual research day of the UZB. The University Center for Dental Medicine Basel – UZB has definitely settled in the new building and has had also a successful start of the research laboratories on 500m². With an annual Research Day, the UZB want to set an example for the future of dental research in Basel. The aim is to draw attention to the UZB as a research platform and to formulate a vision for a future in research for their students. Please find more information about the programme and the registration [here](#).

Research Funding



New on the DBE Wiki - Foundations and Medical Research

If you are looking for funding for your research project, please visit the [DBE Wiki page](#) under Science/Funding to find out about possible foundations in addition to the usual SNF applications.



Botnar Research
Centre for
Child Health

Call for applicants

The Botnar Research Centre for Child Health (BRCC) seeks ambitious research applications to its new research initiative, Postdoctoral Excellence Programme (PEP). The aim of the programme is to foster the next generation of scientists who will lead interdisciplinary and step-changing approaches to address critical unmet needs and challenges in global paediatric medicine and health. The submission deadline is January 13, 2021. Please find more detailed information [here](#).



Call of the Southeast Asia – Europe Joint Funding Scheme

The objective of the Joint Funding Scheme (JFS) is to bring together Southeast Asian and European researchers and enable them to collaborate on topics of interest to both sides. The science and technology call focuses on “Infectious diseases (incl. COVID-19 and related post-crisis research)” and “Nanotechnologies”. Please find more detailed information and the guidelines [here](#). The submission deadline is December 15, 2020.

Vietnamese-Swiss Joint Research Projects

In the context of the bilateral cooperation programmes of the Swiss government, an agreement was signed between the SNSF and the National Foundation for Science & Technology Development (NAFOSTED) in Vietnam. This autumn, the two funding bodies are launching the first call for Joint Research Projects (JRPs) between the two countries. The JRPs enables researchers in Switzerland to carry out joint projects together with research partners in Vietnam. The submission deadline is January 15, 2021. More detailed information can be found [here](#).

SPIRIT (rolling call for pre-proposals)

[SPIRIT](#) facilitates knowledge exchange between Swiss researchers and researchers in selected partner countries of low and middle income. Researchers from all disciplines can apply for a SPIRIT grant. The submission deadline is January 31, 2021. Please find more information about the rolling call for pre-proposals [here](#).

Protection from persecution: SNSF supports Scholars at Risk

In many countries researchers are under serious threat to life, liberty or well-being due to their work or views. The SNSF has agreed to finance stays at Swiss higher education institutions on behalf of the [Scholars at Risk network](#).

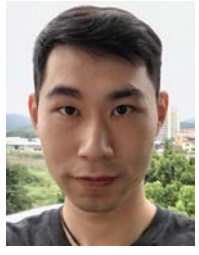
About us – We welcome ...



Dr. Lester Melie-Garcia started as a research associate in the research group ThINk of Prof. Cristina Granziera. Dr. Melie-Garcia is a nuclear physicist with a Ph.D. in physics specialized in neuroscience at the University of Havana and Cuban Neuroscience Center, Cuba. He is primarily interested in developing and implementing theoretical models using diverse data (i.e., Neuroimaging, EEG) and its multi-modal integration to unveil basic mechanisms of biological systems. As part of the ThINk group he is involved in the Swiss Multiple Sclerosis Cohort (SMSC) project to developing biomarkers for therapies evaluation in Multiple Sclerosis based on a combination of MRI modalities.



Dr. Esther Ruberte who also just started as a research associate in the research group ThINk, led by Prof. Cristina Granziera, studied Biology at the University of Barcelona (Spain) and completed her PhD. in the Biological Chemistry Institute of the University of Strasbourg (France). She worked as a PostDoc in the Department of Human Anatomy of the University of Oxford (UK) and in the Biozentrum in Basel. In the last years she has been working in MIAC (Medical Image Analysis Center) in Basel. In the ThINk Group Dr. Ruberte will be mainly involved in the process of automatic generation and quality control of multiple sclerosis lesion masks in the SMSC (SwissMultipleSclerosisCohort) Project.



Jiafa Zeng started his PhD in the research group of Prof. Pablo Sinues. He obtained his Master's degree in Jinan University, China in 2020 and during the past three years of master study he focused on the application of secondary electrospray ionization high-resolution mass spectrometry in indoor chemistry and breath analysis. In his PhD project he will investigate plasma- and electrospray-based ionization methods for real-time analysis of volatile species with a focus on breath metabolites.



Jeremy Genter has just started his external doctoral thesis at the Laboratory of Functional Biomechanics, led by Prof. Annegret Mündermann, in collaboration with the IMES Institute of the ZHAW, the University of applied Science in Winterthur. Recently he received his Master of Science in Biomedical Engineering from the University of Bern. In his PhD project he is developing an experimental glenohumeral simulator to study the influence of additional weight on load-induced changes in glenohumeral translation in cadavers with rotator cuff tears.

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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