



UZH Space Hub Newsletter



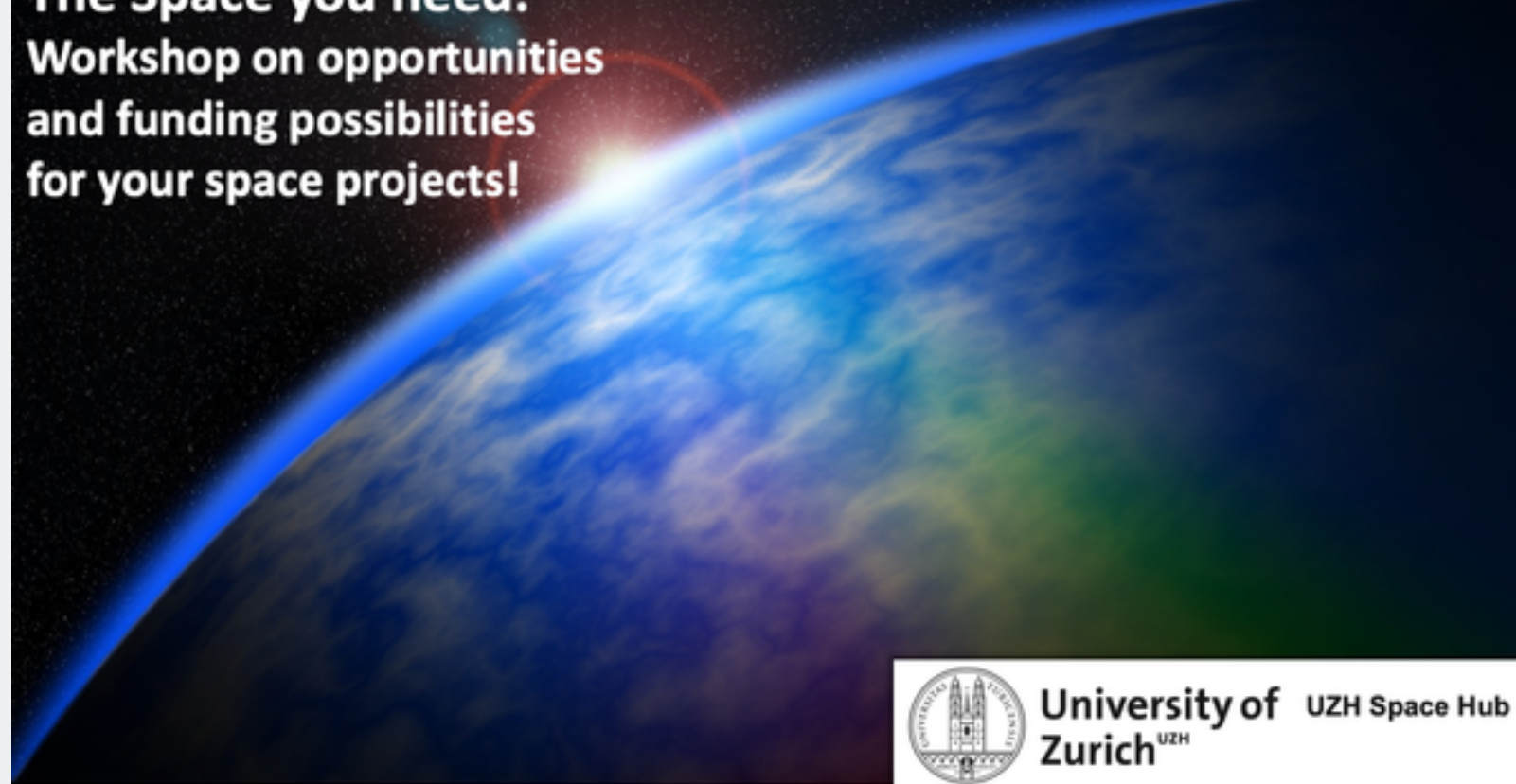
Dear Members of the UZH Space Hub,

March arrived with many news. In this newsletter you will find several interesting events taking place this month. Moreover, we are proud to introduce you a new section, **Meet a Space Scientist**, where you will have the chance to present your research and discover what the other members of UZH Space Hub work on. To be sure to reach everyone in the community, we kindly ask the group leaders to forward this e-mail to PhD students and postdocs, and invite them to [subscribe](#) to our newsletter. Finally, please remember to register to our event on March 24, see more information below.

Have a nice read,

UZH Space Hub Team

Events



The Space You Need

Have you ever wondered about what funding opportunities exist for researchers and companies to work on space projects? Then you should not miss our event on **March 24 at the University of Zurich**. We will have the support of experts from the Swiss Space Center, Euresearch and ESA BIC, who will present and give you all the details about ESA opportunities and Horizon Europe.

You can check the full program on our [webpage](#). Please, notice that the event is free of charge, but for organizational purposes registration is required.

[Registration](#)

Save the Date

On **March 19** you will have the possibility to meet Prof. Shinichi Nakasuka, a **world leader in micro/nano/pico-satellites**. Prof. Nakasuka works in the Department of Aeronautics and Astronautics, at the University of Tokyo, focusing his research on guidance, navigation and control of spacecraft, applications of artificial intelligence to space systems, and novel space systems. His talk *Micro/nano/pico-satellite technologies and applications including space science and remote sensing* will take place at **Irchel Campus**, room Y22-G-74 (Dozentenfoyer), from 14:30 to 15:30. Do not miss this interesting event!



Save another Date

On **April 24** the Europa Institut at the University of Zurich will have the pleasure to host a talk by Dr. Thomas Zurbuchen, Associate Administrator for the Science Mission Directorate at NASA Headquarters in Washington, D.C. Dr. Zurbuchen works to ensure that NASA's science missions build partnerships across disciplines and with industry and other nations to generate new questions and help advance the frontiers of knowledge and exploration. Stay tuned, more information will follow!



Sehnsucht Weltall

Why do people dream of the adventure of space? Why do children want to become astronauts? What role does the passion for outer space play in an astrophysicist's choice of career? At the "Sehnsucht Weltall" event, Guido Schwarz, founder of the Swiss Space Museum, will be discussing these and other questions with his guests. Invited are Prof. Claude Nicollier, astronaut, Dr. Zoë Lehmann Imfeld, literary researcher, Prof. Sascha Quanz, exoplanet researcher, Prof. Oliver Ullrich, space medicine professor and Head of UZH Space Hub, and Prof. Ben Moore, astrophysicist and non-fiction book author. The event will take place on **March 19, at 19:30** at ETH Zurich. The event will be in German.

Members of the Swiss Space Museum, ETH and the University of Zurich have free admission, but registration is requested.

[Registration](#)



Swiss Global Change Day

On **April 7** the 21st Swiss Global Change Day will take place at the **Freies Gymnasium Bern**. This is a yearly event organised by ProClim to look beyond the horizon of climate and global change research with well-known experts. If you want to present your own research or organisation with a poster or at a stand and to network with colleagues, please register by March 31. More information and registration link can be found [here](#).

Opportunities



Mesures de Positionnement 2020 - Call for Proposals

The Mesure de Positionnement 2020 is an initiative led by the State Secretariat for Education, Research and Innovation SERI/Swiss Space Office (SSO) for the promotion of Swiss competences related to space activities. Now, the next Call for Proposals is open. The main objectives are to foster and to promote Swiss technological and scientific competences that have a clear potential for space products and services/applications. The selected projects will start in November 2020 for a duration of up to 15 months, and can each be awarded a maximum of 250'000.- CHF.

All **proposals** should be **submitted** to the Swiss Space Center, by **April 21, 2020**. All relevant information, including full applicable rules, topics, financial and procedures are accessible in [this document](#).



Space4Impact

Are you a registered and less than 5 years old startup, with a space connection and aligned with at least one of the United Nations Sustainable Development Goals? Then you should consider Space4Impact, the new initiative supported by ESA BIC Switzerland and the Swiss Space Center. You can find more information and [apply by April 15, 2020 here](#).

ESA Academy Training Sessions

Are you a Master or PhD student in the Space sector? Then, you should consider applying for ESA Academy's Training Sessions. Currently, there are two open calls, a workshop on [Earth Observation Remote Sensing](#) and one on [Concurrent Engineering](#). The selected students will be sponsored by ESA, which will cover accommodation and meals, as well as up to 200 euros for travel to Belgium. Check these and other opportunities on the [ESA Academy website](#).



Meet a Space Scientist

Discovering Space Medicine

We chose to inaugurate this new section introducing Dr. Jaap Swenenburg. Jaap works in the Integrative Spinal Research (ISR) group, the research arm of the department of Chiropractic Medicine at Balgrist University Hospital. Their research focuses on the human spinal motor control under different gravity conditions with the aim of improving spinal health. Indeed, astronauts experience various changes in their body due to weightlessness during the space missions. These have effects on their health, causing, for example, low back pain. More than half of the astronauts suffer from back pain, but till today the exact cause for this is unknown. "Experiments in extreme conditions are helpful to better identify possible causes and with the UZH parabolic flights we had the possibility to simulate exactly these extreme conditions here in Zurich", told us Dr. Swenenburg.



Curious? [Read our interview!](#)