



UZH Space Hub Newsletter



Dear UZH Space Hub Community

We hope you enjoyed the summer holidays and came back full of energy, as in this newsletter there are many interesting news, events and space-related opportunities in the Swiss landscape and beyond.

Have a nice read,

UZH Space Hub Team

News

Girls on Ice Switzerland

This summer causes extreme melt of alpine glaciers, but they still offer a perfect setting to immerse into science, self-experience climate change and grow beyond the individual comfort zone. Girls on Ice Switzerland empowers young women through science, art and wilderness exploration. Every summer two expeditions take young women to Findelengletscher above Zermatt where they experience the changing alpine environment first hand. This year, visiting scientist and UZH Space Hub member Dr. Kathrin Naegeli changed the young women's observation perspective using two printed satellite images to represent Earth Observation research. Picture by K. Naegeli.



[Read more](#)

Producing human organoids: Microgravity as means of production

Swiss television broadcasted on August 26 a slightly shortened version of the 3SATNano report on the collaboration of Oliver Ullrich and Cora Thiel with Airbus Defence and Space in the program 10v10 under the heading die Idee. Ullrich and Thiel successfully grew human organoids from adult stem cells on board the ISS. The product is now to be commercialized.

[Read more](#)

Events

UZH Space Hub meets the International Space Science Institute (ISSI)

We are happy to announce that Michael Rast from the International Space Science Institute (ISSI) in Bern will visit UZH on September 23, 2022. He will present ISSI activities and how we could collaborate and benefit from working together. We also want to take the chance for an exchange about the UZH Space Hub and its activities. The event will take place in the UZH main building, starting at 13:30 and will be followed by an Apéro. Registration is free but mandatory on our webpage.



[Read more](#)

Space Café - Asclepios

Do you know that in Switzerland there is an analogue astronaut mission, Asclepios, entirely organized and run by students? Analogue missions are field tests in locations that have physical similarities to the extreme space environments. They allow aspiring astronauts to test and practise on new technologies before using them in Space. Moreover, they also allow scientists to observe the behavioral effects of isolation, confinement and team dynamics. Join us on **September 29, 2022, at 14:00 to learn more about Asclepios and its last mission.** This event will take place in a hybrid mode, on-site (Irchel campus) and online. Free registration on our webpage.



[Read more](#)

SAC @ IAC 2022

Will you attend the International Astronautical Congress (IAC) in Paris? The Center for Aviation Competence (University of St. Gallen) and the Swiss Aerospace Cluster (SAC) are inviting academics and industry representatives to join and network during the afternoon reception at the Swiss Pavilion of the IAC 2022. Use the opportunity to inform yourself about Switzerland's largest Aviation & Space industry network as well as the academic footprint and executive education of the oldest industry center of University of St. Gallen (specialized in Aviation & Space business).



[Read more](#)

Unitectra: discuss your idea!

Do you have an idea or a project in mind, and would you like to understand its commercial potential? The Unitectra's team initiates Brainbox, an event to provide information and support to researchers regarding the translation of research results into practical use. The next event will take place online, via Zoom, on November 8, 2022, from 14:00 to 17:00. You can also register for an individual meeting to discuss your project, idea or invention.



[Read more](#)

Cassini Hackathon

The 4th CASSINI Hackathon, with focus on "Space for the Financial World", will be held online and in-person at 10 locations in Europe. In Switzerland it will be hosted by Space4Impact and take place in Zurich from November 4 to 6, 2022. The aim is to use Earth observation and GNSS technologies to provide solutions to current challenges in insurance, investment, and financial services. Registration is open in the link below.



[Read more](#)

Opportunities

Call for Applications: UZH Entrepreneur Fellowships in Bio & Medtech

Do you have an idea for an innovative product or service based on UZH research? Are you motivated to make an impact with your idea? Would you be excited to build a company with other motivated talents? Then the UZH Entrepreneur Fellowship might be just the right thing for you.

Quick Facts:

- For BioTech & MedTech projects
- CHF 150'000 for 18 months
- Supportive trainings, coaching & advice

Learn more in the link below and apply by Oct 15, 2022. Image credits: Oliver Lang for the Werner Siemens Foundation.



[Read more](#)

ESA Research Fellowship programme

The European Space Agency ESA has launched its annual Research Fellowship recruitment campaign. The programme offers early-career scientists and engineers the possibility to carry out research in a variety of disciplines related to space, and provides a unique opportunity to work with scientists and engineers at the forefront of space science, and to contribute to maximise the scientific return from ESA missions. Deadline for applications is September 19, 2022.

[Read more](#)

New ESA workshops for students

Are you a Bachelor, Master or PhD student interested in Human Space Physiology, Earth Observation or Robotics? Then apply for the new workshops offered by the ESA Academy. More information in the links below:

- Robotics Workshop 2022, November 7-10, 2022
- Human Space Physiology Training Course 2022, November 28, December 2, 2022
- Earth Observation Remote Sensing Workshop 2022, December 5-9, 2022



ETH Lecture Series: Space Research and Exploration

The lecture series introduces diverse space-related research projects and is hosted by Prof. Quanz with the support of Space4Impact and the student space association ARIS. Students in the course can learn about the current activities and future challenges of space exploration from leading researchers, industry experts and astronauts.



[Read more](#)

Global Sustainability Space Challenge

Space Applications Services and ICE Cubes together with Metavisionaries and Qatar University, and in partnership with the International Space University and Blue Origin, are launching the Global Sustainability Space Challenge 2022. This is a competition focused on integrating space in global entrepreneurial solutions for the benefit of humankind. International teams of 4-6 students from all high schools, accredited universities, polytechnics and technical institutes from around the world are eligible to participate free of charge. Deadline for registration: September 19, 2022



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