

UZH Space Hub



Dear UZH Space Hub Community

In this newsletter, you will find interesting news, events and opportunities for students, startups and entrepreneurs. Moreover, we would like to show the research we are conducting at UZH Space Hub, don't miss our new videos on our YouTube channel!

Have a nice read,

UZH Space Hub Team

News

From ISS to UZH: Recovered Experiment

Welcome back on Earth! The Dragon Spaceship of SpaceX with the innovative experiment of the UZH Space Hub and Airbus has safely landed in the Atlantic Ocean on Friday, October 1, 2021. Human adult stem cells have been on the International Space Station ISS for 30 days, building 3-dimensional organoids. Now, the samples are back in our lab and are being prepared for the transport to the University of Zurich, where they will be analyzed in detail. Stay tuned and read more in our [twitter-thread](#):



New Videos about UZH Space Hub Research Online!

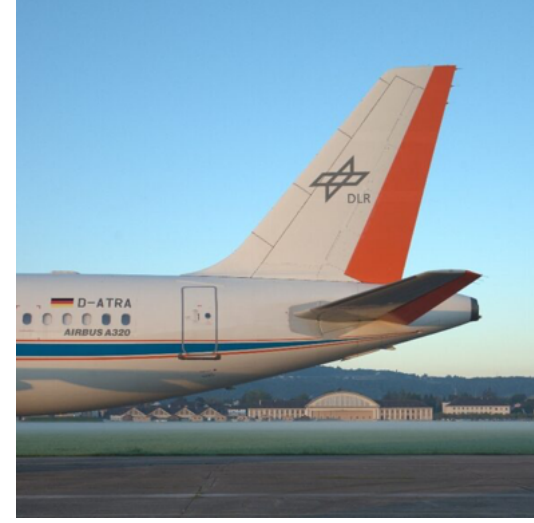
On our YouTube channel you can now watch Jaap Swanenburg explaining his experiments in microgravity on parabolic flights, where he aims to understand the mechanisms causing chronic back pain in astronauts and people on Earth with the perspective to improve treatment possibilities. In the second new video, Andreas Hüeni talks about a big research flight campaign that was conducted this summer at the UZH. Using the next generation remote sensing system AVIRIS-NG, spectroradiometric data were acquired over 90 test areas all over Europe for calibration and validation of NASA and ESA projects.



[Watch more](#)

Sustainable Aviation

Are you curious about making aviation more sustainable? Then do not miss the talk of Martin Gerber, co-founder of the Swiss SkyLab Foundation and technical pilot at SWISS. On October 26 at 18:00 at ETH Zurich, he will give a presentation about the latest technical developments and projects in the cockpit of commercial aircrafts, such as the use of modern flight weather information or the development of pilot assistance systems for fuel-optimized approaches.

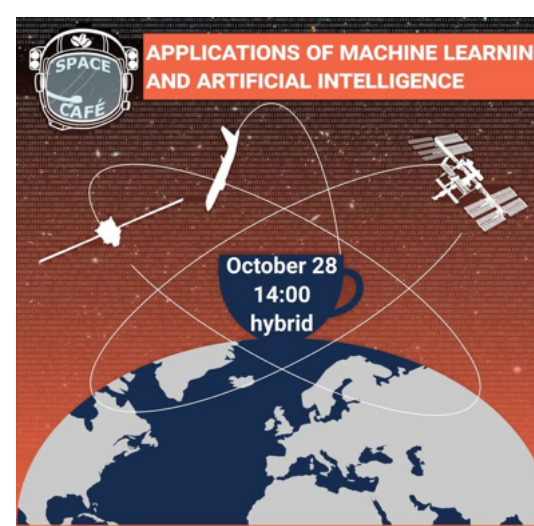


[Read more](#)

Events

Space Café: Machine & Deep Learning applications

We would like to invite you to the next Space Café, which will take place in a **hybrid mode, on-site (Irchel campus) and online, on October 28, 2021, at 14:00**. Our speakers will tell us more about Machine and Deep Learning applications in Astrophysics, Earth Observation and Life Sciences. Registration is free but mandatory.



[Read more](#)

Lecture Series: Space Research and Exploration

Would you like to know more about the current state-of-the-art research in space exploration? Join this lecture series during the semester on Tuesday lunch time 12-14h at ETH Hönggerberg (HPT C 103) or join virtually. The host if this event is Prof. Sascha P. Quanz and many guests from different universities and projects will be your lecturers.



Space Innovation Annual Assembly

UZH is member of Space Innovation and thus all UZH-affiliates can take part in their events such as the annual assembly. This year, the assembly will take place on 8 December 2021 in Lausanne at EPFL. Save the date to join the networking event to meet Swiss players of the space domain for interesting chats and new collaborations. More information will follow.

Opportunities

Bio & MedTech

UZH Entrepreneur Fellowships

Transfer UZH research to the market and become an entrepreneur

Apply by Oct 15th

Let's Bring Innovation to Life!
www.innovation.uzh.ch

From Science to Startup – Apply for an UZH Entrepreneur Fellowship!

Do you have an idea for an innovative solution in medicine and life sciences based on UZH research? With the UZH Entrepreneur Fellowships for Bio & MedTech, researchers are supported to develop a product or service towards a marketable solution and to lay the basis for a university spin-off.

Quick Facts:

- 18 months Fellowship with coaching, training and infrastructure access
- Funding of 150'000 CHF
- Next application deadline: October 15th 2021

The UZH Entrepreneur Fellowship funding can be used to pay salaries, consumables and infrastructure.

[Read more](#)



Space2Earth Accelerator

Do you have a great solution using satellite data for a downstream application that is contributing to the United Nations SDGs and has an impact on Earth? Then apply for the new Space2Earth Accelerator program and boost your space startup into new markets.

[Read more](#)

ESA BIC Switzerland: Calling all Startups with a Space Connection

Are you a startup wanting to explore your space connection or develop an application related to space? If your startup is less than five years old and wants to benefit from the extensive support package offered by the ESA Business Incubation Centre (ESA BIC) Switzerland, then apply now to get a pre-evaluation (full application deadline: October 31, 2021).



[Read more](#)

New Courses for Entrepreneurship with Btools

Do you want to become a startupper? Or have you already started your business, however Google cannot find you easily? Then check-out the opportunities offered by Btools towards a successful business with special conditions for UZH-affiliates.

[Read more](#)

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