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University of
Zurich^{UZH}

UZH Space Hub

UZH Space Hub Newsletter



Dear UZH Space Hub Community

Happy new year! We hope you had nice and relaxing holidays with your loved ones, and you are now ready for a year full of space activities.

As always, in this newsletter you will find news, upcoming events and space-related opportunities in the Swiss landscape and beyond.

Have a nice read,

UZH Space Hub Team

News

**Congratulations to the UZH
spin-off Prometheus Life
Technologies**

We're excited to announce that out of hundreds of applicants, the UZH spin-off Prometheus Life Technologies that emerged out of the UZH Space Hub ecosystem has been selected as the winner of the Reef Starter Innovation Challenge. Reef Starter is an innovation engine powered by Orbital Reef, a mixed-use space station to be built in low Earth orbit.

[Read more](#)



ARRAKIHS - ESA Space Mission

Congratulations to the UZH Space Hub member Ben Moore, who is the Swiss coordinator of ARRAKIHS, the new fast mission selected by the European Space Agency for its Science Programme. ARRAKIHS (Analysis of Resolved Remnants of Accreted galaxies as a Key Instrument for Halo Surveys) will image about one hundred nearby galaxies and their surroundings and provide data to make tests of the so-called Λ -Cold Dark Matter (Λ CDM) cosmology. Ben Moore, professor at the Center for Theoretical Astrophysics and Cosmology at the University of Zurich, will lead the Swiss team, responsible for state-of-the-art simulations which will provide a very high degree of confidence on the space mission technology.

[Read more](#)



Investigating the “genomic code” on parabolic flights

Oliver Ullrich and Cora Thiel from the UZH Space Hub (University of Zurich) investigate the influence of altered gravity on genetic activity and organization. Watch the new video (in German) and learn how the 6th Swiss Parabolic Flight Campaign offered the possibility to perform experiments for the project in October 2022.

[Watch the movie](#)



Events

International Day of Women & Girls in Science

Spread the word: Girls wanted! In occasion of the International Women and Girls in Science Day, the Faculty of Mathematics and Natural Sciences offers school students a series of activities. **On February 9, 2023**, they can gain an insight into the work of female scientists on different topics. The National Point of Contact (NPOC) for satellite data has a special offer for young girls from 13 to 16: The science workshop "Earth from Space", where the girls can discover the use and applications of Earth observations from satellites. Full list of workshops and registration in the Read more below.

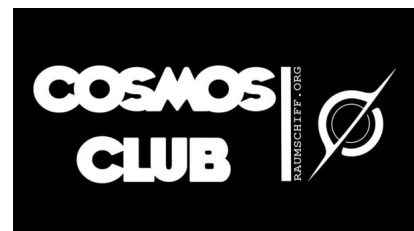
[Read more](#)



Cosmos Club

Would you like to broaden your horizons in the fields of astronomy, space and space travel? At the COSMOS CLUB you will have the opportunity to meet with experts and participate in exciting citizen science projects. Not only technical, physical and theoretical aspects, but also philosophical, cultural and ethical questions about the role of humans in the cosmos will be addressed during the individual evenings. Cosmos Club is part of the Space Exchange Switzerland SXS initiative to promote space in Switzerland.

[Read more](#)



Opportunities

7th Swiss Parabolic Flight Campaign: Call for Experiments

The [first test campaign](#) with the NLR / TU Delft Cessna Citation II in October 2022 was successful and the next campaign is planned in September or October 2023 (exact dates to be coordinated). With this aircraft and our flight partners, from NLR and TU Delft, we are able to offer a maximal flexible and cost-effective research platform in Dübendorf. And not only the flight profile, the sequence of maneuvers and the reduced gravity setting (from microgravity to Moon or Mars gravity) are flexible and determined by the customer (the science team), also the crew of NLR and TU Delft has a fantastic spirit. If you are interested, you can find more details in the dedicated webpage below and contact [Oliver Ullrich](#), who will take care, together with his team and the Swiss SkyLab Foundation, of all campaign planning, management and operations. Image credits: Regina Sablotny



[Read more](#)

MARVIS - Deadline approaching

Do you have an idea for a multidisciplinary research project in the Space sector? Do not forget to apply to the MARVIS call by February 1, 2022. MARVIS - Multidisciplinary Applied Research Ventures In Space - projects are a new initiative of SERI to promote cutting-edge research and to encourage collaboration between different disciplines in order to develop specific core competencies in the space sector.

[Read more](#)

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