

## **Paid Internship (Praktikum) at the Flathead Lake Biological Station of the University of Montana USA**

**Flathead Lake Biological Station (FLBS) of the University of Montana offers the unique opportunity for a payed two-month internship for a student from ZHAW in the field of Geographic Information System Science (GIS) and freshwater ecology.**

This internship will involve basic GIS skills (editing, processing, and analyzing spatial data). In addition, the intern will have the opportunity to analyze large spatial data within the Google Earth Engine Explorer Tool to investigate how channel morphology changes over time in the Pacific Northwest.

Through this internship, the applicant will be integral to our team by improving the ease and efficiency of serving spatial data to the greater environmental community through web GIS/tools. The applicant will gain valuable experience in the GIS and have the opportunity to perform spatial analysis in Google Earth Engine. In addition, the applicant will have the opportunity to also work with FLBS ecologist to further enhance our long-term spatial database on local rivers.

Further, the intern has the opportunity to earn 3 ECTS by taking one of the 2 week summer courses offered at FLBS (see flyer on the last page)

**Dates: June 22<sup>nd</sup> to August 14<sup>th</sup> 2020**

**Application Deadline: February 21 2020**

### **Desired qualifications**

- The applicant should have some familiarity with GIS and spatial analysis.
- Proficiency in the English language is required.

### **Additional but not required skills**

- Knowledge and experience with Python, Javascript, DOJO, or the Cascade web template is a plus.
- Knowledge of Unmanned Aerial Systems (UAS) and processing software is also encouraged (PIX4d, Agisoft PhotoScan).

## **Financial information**

**A Scholarship of 4700 US\$ is available for this Internship. This covers housing and food (2300\$), visa costs (ca. 400\$). The remaining 2000\$ can be used for other expenses (costs for traveling, plane ticket etc.) or can be spend on a 3 credit course offered by FLBS (see flyer on the last page).**

For further information please contact Michael Döring of the Forschungsgruppe Ökohydrologie at ZHAW Campus Grüental ([michael.doering@zhaw.ch](mailto:michael.doering@zhaw.ch), Phone: 058 934 53 09).

## **About Flathead Lake Biological Station**

The Flathead Lake Biological Station (FLBS) is a Center of Excellence and administrative unit within the University of Montana system. We are an ecological research and education center located on Flathead Lake in the Rocky Mountains near Glacier National Park. For over 100 years, we have conducted college courses, graduate programs, and research focused on the Crown of the Continent ecosystem.

Students and researchers from around the world continue to come to FLBS to learn about ecology and limnology from experts in the field. We conduct year-round novel research to help people live in a healthy, sustainable environment and help policy-makers make informed decisions.

Our activities help Flathead Lake remain the jewel of Northwest Montana now and for future generations.

For further information on FLBS visit:

<https://flbs.umt.edu/newflbs/>

# Join us for **Summer Session 2020 in Montana** *at Flathead Lake Biological Station!*

## Course Offerings

Jun 22-Jul 3	Conservation Ecology ▫ Sensor Design, Fabrication and Deployment
Jun 22-Jul 17	Field Ecology ▫ Seminars in Ecology and Resource Management
Jul 6-Jul 31	Field Studies in the Evolution of Animal Behavior
Jul 6-Jul 17	Landscape Ecology ▫ Aquatic Microbial Ecology
Jul 20-Jul 31	Alpine Ecology ▫ Stream Ecology ▫ Remote Sensing for Freshwater Ecology
Aug 3-Aug 14	Forest and Fire Ecology ▫ Lake Ecology ▫ Independent Study Animal Behavior



FLATHEAD LAKE  
BIO STATION  
UNIVERSITY OF MONTANA



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