



2 PhD positions in auxin transport

Two SNF-funded PhD positions are available in my lab at the University of Fribourg in Switzerland starting **January 2021** or later.

My group studies transport of the plant hormone, auxin, on a biochemical level using state-of-the-art transport, imaging and computational analyses.

Project descriptions

The 2 positions are built around the role of ABCB-type auxin transporters in auxin transport and their ability to provide plasticity to plant development. **Candidate 1** will work on the regulation of **ABCB homeostasis by HSP90** proteins, while **candidate 2** will establish **auxin sensors** and ABCB-derived **auxin transport activity sensors**.

Your profile

We look for enthusiastic candidates with a MSc degree in biology, biochemistry, or related fields, and an interest in biochemistry and/or imaging. We encourage candidates outside of the plant field or with a background in ABC transporters to apply.

We offer

You will join a young, collaborative, and international research team, and contribute to a new line of research in auxin biology. Our institute provides state-of-the-art infrastructure for the planned research, including advanced live microscopy, proteomics, metabolomics and a computational infrastructure. The student will be enrolled at the Fribourg Graduate School of Life Sciences (FGLS) with access to advanced courses and an interactive student network.

Fribourg is German-French speaking, provides a high standard of living and is located one hour from alpine resorts. The position is offered for 4 years with a generous stipend. Finally, the *geislerLab* offers the best music in town!

Application

Please apply directly to me by email (markus.geisler@unifr.ch) by sending a **single PDF** with the following information (**deadline: October 30, 2020**)

- **CV**
- **1-page motivation letter** explaining why you want to join our lab, what you know, and what you want to learn
- **2-3 academic references (including e-mail)**

Promising applicants will be invited for a presentation or a skype interview until the position is filled.

Contact and further information: markus.geisler@unifr.ch

<http://perso.unifr.ch/markus.geisler/geislerLab>
<https://www3.unifr.ch/bio/en/groups/geisler/>