



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DES SCIENCES
Département de botanique
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PhD student position available
UV-B Perception and Signalling in Plants
Roman Ulm Laboratory @ University of Geneva, Switzerland

Applications are invited for a PhD student position to study UV-B perception and signalling. Our group has a strong interest in early UVR8 photoreceptor-mediated events regulating UV-B-induced photomorphogenesis and acclimation in plants (see www.ulm-lab.ch/ for more information on our group and research). The PhD project will tackle the molecular mechanisms of RUP1-/RUP2-mediated regulation of UVR8 activity.

We are looking for a talented and creative new team member. The successful candidate is highly motivated, has a strong interest in plant signal transduction, and demonstrated expertise in molecular biology, molecular genetics, biochemistry, imaging techniques, or related. Previous substantial experience with molecular techniques is essential. Good communication skills and fluency in spoken and written English are required.

If you are interested in joining our team to make key discoveries in how plants perceive, signal and respond to UV-B, please send your application document (incl. letter of motivation, C.V., copies of your degrees, and names of 2-3 references) as a single .pdf file to Roman Ulm (roman.ulm@unige.ch)

Review of applications will begin immediately and applications will be accepted until the position is filled. Starting date is flexible and upon agreement.

We offer a creative and stimulating international scientific environment, and access to state-of-the-art technologies. Geneva offers an outstanding setting for study and research in the Molecular Life Sciences, as well as beautiful natural surroundings for outdoor activities and, hopefully soon again, a vibrant cosmopolitan cultural life.

The successful PhD student candidate will be embedded in the Molecular Biosciences program of the International PhD school of Life Sciences (<https://lifesciencesphd.unige.ch/>).

5 Project-related Publications (for all: www.ulm-lab.ch/publications):

- Podolec et al. (2021) A constitutively monomeric UVR8 photoreceptor confers enhanced UV-B photomorphogenesis. *Proc. Natl. Acad. Sci. USA* 118: e2017284118.
- Arongaus et al. (2018) Arabidopsis RUP2 represses UVR8-mediated flowering in noninductive photoperiods. *Genes & Dev.* 32: 1332-1343.
- Heijde and Ulm (2013) Reversion of the Arabidopsis UV-B photoreceptor UVR8 to the homodimeric ground state. *Proc. Natl. Acad. Sci. USA* 110: 1113-1118.
- Rizzini et al. (2011) Perception of UV-B by the Arabidopsis UVR8 protein. *Science* 332: 103-106.
- Gruber et al. (2010) Negative feedback regulation of UV-B-induced photomorphogenesis and stress acclimation in Arabidopsis. *Proc. Natl. Acad. Sci. USA* 107: 20132-20137.