



PhD position in Plant Developmental Genetics

Starting date: August 2019

Application deadline: March 17, 2019

Submit application documents [here](#):

- Cover letter
- CV
- Copy of Master's degree certificate
- Contact details for 2-3 referees

Contact for further information:

Informal enquiries should be send to
Sebastian Soyk sebastian.soyk@unil.ch

Relevant publications:

Soyk et al., Bypassing Negative Epistasis on Yield in Tomato Imposed by a Domestication Gene. *Cell* (2017).

Soyk et al., Variation in the flowering gene *SELF PRUNING 5G* promotes day-neutrality and early yield in tomato. *Nat Genet* (2017).

Funding:



UNIL | Université de Lausanne



European Research Council
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The position

An [ERC-Starting Grant funded PhD position](#) is available in the research group of Sebastian Soyk, hosted at the Center for Integrative Genomics (CIG) at the University of Lausanne (UNIL), a vibrant, well-funded institute with a focus on functional genomics and equipped with state-of-the-art core facilities. Embedded in the broader Lausanne research environment that includes two schools of higher education (UNIL, EPFL), we offer a great working place in a multicultural, diversified and dynamic academic environment. The successful applicant will be enrolled in the Faculty of Biology and Medicine's doctoral school.

Our research

We are interested in genes and genetic interactions that affect stem cell development in plants, and how such networks were shaped during crop domestication. We study gene interactions that affect flower and fruit development in the crop model tomato and related nightshades using approaches in genetics, genomics, and biochemistry. Current projects include:

- Genome-wide transcriptional analyses of stem cell transcription factor networks
- CRISPR-Cas9 editing of stem cell regulatory genes
- Identification of natural variation in flower development

Your profile

We are looking for highly-motivated and talented students who are interested in plant stem cell biology and crop evolution. Applicants should hold a Master's degree or equivalent, with a strong background in biology and an interest in plant science. Advanced knowledge of genetics and molecular biology is essential. Experience in genome editing, plant tissue culture, and bioinformatics would be advantageous. Candidates should be excited about science, highly organized, and capable of working independently and within the team, and are expected to be fluent in English (spoken and written).