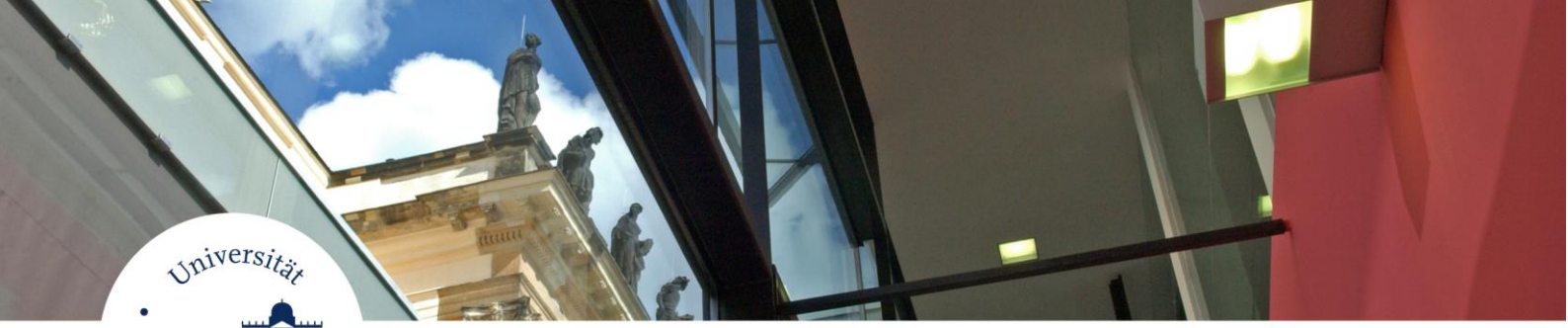

Universität Potsdam

Job Announcement

Young, modern, and research oriented... the University of Potsdam has firmly established itself within the scientific landscape since its founding in 1991. Nationally and internationally renowned scientists teach and perform research here at Brandenburg's largest university. The University of Potsdam is successful in acquiring third-party funds, delivers outstanding performance in technology and knowledge transfer, and has a very service-oriented administration. With about 20,000 students studying at three campuses – Am Neuen Palais, Griebnitzsee and Golm – the University of Potsdam is a prominent economic factor and engine of development for the region. The University of Potsdam has a total of about 2,750 faculty and staff members and is located in one of Germany's most scenic areas.

The **University of Potsdam**, **Faculty of Science Institute of Biochemistry and Biology, Biopolymer Analytics** is seeking to fill the following position:

Academic Staff Member
(Ph.D. Position in Plant Biochemistry)

Exact project start is negotiable, but should not be later than July 2018. The hours of work per week for the position amount to 20 hours. The position is limited to three years. The Salary Scale is 13 TVL (Area east). Contracts are time-limited according to § 2 Abs. 1 Academic Fixed-Term Contract Law (WissZeitVG).

Project Description

One Ph.D position is open in the lab of apl Prof Dr. habil Joerg Fettke on the topic of starch initiation and formation in *Arabidopsis thaliana*. The project aims to elucidate in detail how starch is formed especially in *dpe2/phs1* mutant. The work will molecularly and physiologically define this pathway using state of the art molecular biology and biochemical methods.

Qualifications

- A MSc (or equivalent) degree in molecular biology, biochemistry or a closely related discipline.
- Ideally, the candidate already has some background in plant molecular biology and/or biochemistry.
- Previous experience with the plant model *Arabidopsis thaliana* and experience in analytics of primary metabolism is considered as plus.
- Proficiency in English is required, German language skills are welcome, but not strictly required.

We offer

An exciting, well established Ph.D. project covering an interesting mix of methods in a young emerging team embedded in a striving scientific environment.

References

Malinova, I. *et al.*, 2017. Starch synthase 4 and plastidial phosphorylase differentially affect starch granule number and morphology. *Plant Physiol.* 174: 1-13.

Malinova, I. *et al.*, 2014. Double knock-out mutants of Arabidopsis thaliana grown under normal conditions reveal that the plastidial phosphorylase isozyme (PHS1) participates in transitory starch metabolism. *Plant Physiol*. 164: 907-921.

Under the laws of the federal state of Brandenburg, employees under this contract are permitted to dedicate at least 33% of their contract time for their scientific qualification. The University of Potsdam strives to maintain gender balance among its staff. Severely disabled applicants shall receive preference in case of equal qualifications. We expressly invite applications from people with migration backgrounds.

The number of teaching hours complies with the applicable provisions of the Teaching Obligation Ordinance (Lehrverpflichtungsverordnung, or LehrVV) of the federal state of Brandenburg as well as the teaching load regulations approved by the Senate of the University of Potsdam:
http://www.uni-potsdam.de/fileadmin01/projects/verwaltung/docs/Dezernat3/Merkblatt_LehrVV.pdf

If you find the topic interesting and want to become part of our team, please send your application to fettke@uni-potsdam.de. Please include a brief letter of motivation, your CV and contact data for two academic references, preferentially as a single pdf file. Deadline for application is the 15th of May 2018. Further information: https://www.uni-potsdam.de/ibb-bioanalytik/index.html

Potsdam, 04.04.2018