



24<sup>th</sup> of July 2017

## PhD position in Plant Cell Physiology

We are looking for a talented PhD student with a background in cell and molecular biology or biochemistry. The prospective candidate is required to have a master's degree in Biology or Biochemistry, should be fluent in English, highly motivated, intellectually independent, experimentally accurate, with good management skills, and able to conduct research independently after initial training.

We offer a stimulating working environment and excellent scientific infrastructure. Our lab studies SNARE proteins with a special interest in their membrane insertion during protein biogenesis. We recently identified the GET (Guided Entry of Tail-anchored (TA) Proteins) pathway in *Arabidopsis* and found that its loss partially prevents a root hair specific SNARE to localise to the plasma membrane (Xing et al. 2017, PNAS). However, other SNARE and TA proteins do not mislocalize and a root hair growth defect seems to be the only visible phenotype. Hence, an additional pathway facilitates membrane insertion of these vital proteins. This PhD project aims to identify such pathway(s) and characterise its components through biochemical, genetical, and cell biological methods.

Further information can be found on our webpage:

<http://www.zmbp.uni-tuebingen.de/dev-genetics/grefen/research.html>

This is a grant-funded position which will begin as soon as possible. Reviewing of applications will begin immediately and the position will remain open until a suitable candidate is found. The University of Tübingen is an equal opportunity employer and particularly welcomes applications from qualified women and individuals with disabilities.

Please send your application – including CV, names of two referees and a motivation letter that should state **why you are interested in the topic** and the right candidate to progress the field – as one composite pdf-file via email to:

[christopher.grefen@uni-tuebingen.de](mailto:christopher.grefen@uni-tuebingen.de)