



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

PhD Position Investigating Radial Plant Growth

A PhD position studying radial plant growth is available in the group of Thomas Greb at the Centre for Organismal Studies (COS) of Heidelberg University, Germany.

Our group investigates the process of radial growth and cambium regulation as a model for elucidating developmental principles focusing on intra- and intercellular communication. In the context of the research consortium SFB 1101 'Molecular Encoding of Specificity in Plant Processes', it is envisaged that the successful applicant will address the fundamental question of how cell identities are programmed during postembryonic growth processes using biochemical, molecular and/or histological methods. For more information on the project or the general setup, please view our website pages (<http://www.cos.uni-heidelberg.de>) or contact Thomas Greb directly.

Research at the Centre for Organismal Studies in Heidelberg is dedicated to study organismic biology from the basic molecular principles to cell biology, developmental biology and physiology both in plants and in animals at all organisational levels. The institute is fully embedded into the Life Science campus of Heidelberg University and access to state-of-the-art imaging, proteomics and genomics platforms is assured.

Successful applicants will be highly motivated, have outstanding communication skills, and be capable of working independently in a goal-oriented manner. Experience in some of the following disciplines is desirable: plant development, biochemistry, genetics, histology, molecular biology, cell biology and transcriptomics. To qualify for the position applicants should hold a Master degree obtained in a related field. Heidelberg University is an equal opportunity employer and particularly welcomes applications from underrepresented groups. Interested candidates are encouraged to send an email including a cover letter describing their motivation, CV and contact details for two referees to Thomas Greb (thomas.greb@cos.uni-heidelberg.de). Reviewing of applications will start January 31, 2022 and be continued until a suitable candidate is found. The envisaged starting date is spring 2022.

Related publications:

Wallner ES, et al. (2021) OBERON3 and SUPPRESSOR OF MAX2 1-LIKE proteins form a regulatory module specifying phloem identity. *bioRxiv* doi:10.1101/2019.12.21.885863

Brackmann K, et al. (2018) Spatial specificity of auxin responses coordinates wood formation. *Nat Commun* 9(1):875

Wallner ES, et al. (2017) Strigolactone and karrikin-independent SMXL proteins are central regulators of phloem formation. *Curr Biol* 27(8):1241–1247

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