



The Chemical Signalling Group at the Faculty of Agriculture, University of Bonn invites applications for a

PhD position in Plant Biology

The goal of the project will be investigating

The role of glutathione peroxidase-like proteins in drought stress-related signalling in *Arabidopsis* and barley

as part of the DFG-funded **Research Training Network GRK 2064** which focuses on the investigation of factors contributing to drought tolerance in the plant model *Arabidopsis thaliana* and the crop barley (*Hordeum vulgare*) (see also <https://www.imbio.uni-bonn.de/GRK2064>). State-of-the-art *in vivo* imaging with genetically encoded protein biosensors and proteomics in combination with genetic approaches and physiological investigations will be used to test hypotheses regarding the role of GPXL3 in the secretory pathway in *Arabidopsis*. For further background on the project and the tools to be applied see Attacha *et al.* (2017) *Plant, Cell and Environment* 40, 1281-1295; Meyer *et al.* (2019) *New Phytologist* 221, 1230-1246; Schwarzländer *et al.* (2016) *Antioxidants & Redox Signaling* 24(13), 680-712; Moseler *et al.* (2015) *PNAS* 112, 13735-13740; Begas *et al.* (2017) *Nature Communications* 8, 14835.

We offer an exciting and dynamic research environment, a state-of-the-art-equipped lab, a friendly and experienced team with excellent national and international connections and dedicated training in the relevant techniques and skills to the highest standard. Salary and benefits are paid at TV-L 13 (65% (German public services tariff)).

We are looking for a highly motivated PhD candidate with interest in plant science and redox biology. Practical experience in molecular biology, biochemistry or imaging will be of benefit. The applicant should hold a Masters degree (or equivalent) in Biology or another relevant subject such as Agriculture, Biochemistry, Chemistry or Physics. Excellent language skills in either English or German are required. For enquiries, contact andreas.meyer@uni-bonn.de.

Please apply by email submitting a single PDF document in English or German containing a detailed CV, a brief summary of previous research projects, and the names of two potential referees to sekretariat-cs@uni-bonn.de by 30 June 2019.

The University of Bonn aims to increase the number of women in research and teaching. Hence, qualified women are particularly asked to apply. Preference is given to severely disabled applicants in cases of the same level of qualification.