



The Chemical Signalling group at the Faculty of Agriculture from the University of Bonn is seeking a qualified and highly motivated candidate for a

## PhD position in Plant Biology

The goal of the DFG-funded project will be the

### **Dissection of sulfurtransferase-mediated persulfidation in plant mitochondria**

You will use state-of-the-art techniques such as CRISPR/Cas9 site-directed mutagenesis or protein purification in combination with other genetic approaches and physiological investigations to elucidate the function of 3-mercaptopyruvate sulfurtransferases and the related pathway in *Arabidopsis thaliana*. For further background on the project and techniques see; Moseler et al., 2021, *J Biol Chem*, DOI: [10.1016/j.jbc.2021.100429](https://doi.org/10.1016/j.jbc.2021.100429); Moseler et al., 2019, *New Phytol*, DOI: [10.1111/nph.15870](https://doi.org/10.1111/nph.15870); Pedroletti et al., 2023, *bioRxiv*, DOI: [10.1101/2023.08.30.555573](https://doi.org/10.1101/2023.08.30.555573).

We offer a dynamic and exciting research environment with a state-of-the-art equipped lab, a friendly and experienced team, excellent national and international connections with the opportunity to work abroad for short time periods, and dedicated training in the relevant techniques and skills to the highest standard. The 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. The ideal candidate should hold a Master's degree (or equivalent) in Biology or another relevant subject such as Agriculture, Biochemistry or Chemistry. Practical experience in molecular biology, biochemistry, or plant physiology will be of benefit. Excellent language skills in either German or English are required. For enquiries, contact **Dr. Anna Moseler** at [moseler@uni-bonn.de](mailto:moseler@uni-bonn.de).

Please apply by submitting a single PDF document in English or German containing a motivation letter and detailed CV, a brief summary of previous research projects, and the names of two potential referees to [sekretariat-cs@uni-bonn.de](mailto:sekretariat-cs@uni-bonn.de) by **May 17th, 2024**.