

At the Rheinische Friedrich-Wilhelms-Universität Bonn, IMBIO, Department of Plant Molecular Physiology (<https://www.imbio.uni-bonn.de/MPP/>), a

PhD position (m-f-d)

is to be filled at the earliest time point possible for the period of four years.

The salary will be of pay grade 13 TV-L (65%) remuneration group.

Job profile:

Our research is dedicated to understanding the evolution, regulation, and biological implications of small molecule damage control systems in land plants. The formation of damaged compounds, such as the toxic reactive oxygen and carbonyl species is boosted when plants are exposed to abiotic stresses (*Sewelam et al., 2020, J. Exp. Bot.*). The major scavenger mechanism to control cellular damage produced by reactive carbonyl species is the glyoxalase system (*Schmitz et al., 2017, Plant Cell; Schmitz et al., 2018, Front. Plant Sci.*).

You will be responsible for the development of methods and research in a project aimed to dissect the physiological functions of the glyoxalase system and glyoxalase I-like proteins in plants.

You will also be involved in other projects of the group and in the training and teaching of students.

As a doctoral candidate at the University of Bonn you will have the opportunity to:

- join the Bonn International Graduate School to access educational programs tailored to your needs
- broaden your academic and extracurricular skills through the Bonn Graduate Center's Doctorate Plus training program
- to enjoy comprehensive support tailored to your interests and career stage with the Argelander Program for Early-Career Researchers

Your profile:

- Graduate degree (MSc. or Diploma) in Biology, Biochemistry, Plant Science, or related discipline.
- Excellent knowledge of plant biochemistry and physiology
- A good knowledge of enzyme kinetics and molecular biology would be a plus factor
- Excellent communication skills and experience in interdisciplinary communication
- High degree of self-initiative and individual responsibility
- Proven fluency in English, both orally and in writing

Application contact

Applications should consist of a single pdf file containing: a motivation letter, a CV including a brief overview of skills and experiences that qualify you for the position, copies of relevant documents such as the transcripts of records, and names of two references. The application should be sent by **15th September, 2020** to **Prof. Dr. Veronica Maurino** (vero.maurino@uni-bonn.de).