45,000 students and 8,000 employees in teaching, research and administration, all working together to shape perspectives for the future – that is the University of Münster (WWU). Embedded in the vibrant atmosphere of Münster with its high standard of living, the University's diverse research profile and attractive study programmes draw students and researchers throughout Germany and from around the world.

At the Department of Biology at WWU, in the research groups of **Cellular Bioenergetics and Plant Energy Biology (Prof. Busch and Prof. Schwarzländer)**, we are seeking a qualified candidate for the following position:

# Research Associate
# Wissenschaftliche*r Mitarbeiter*in
## (salary level TV-L E 13)

in the field of **biosensor application and high-resolution microscopy in photosynthetic organisms** (plants, green algae, cyanobacteria) to **investigate the proton motive force**. The position is to be filled as soon as possible and is limited to a duration of **4 years**. It is part of a central project within the research group "Dynamic Regulation of Proton Motive Force in Photosynthesis" funded by the DFG (German Research Foundation) and SNF (Swiss National Science Foundation). A very good doctoral degree in molecular biosciences, biochemistry, biophysics, or a related field is required.

**Your tasks:**

- Designing, testing, and establishing genetically encoded biosensors in vitro and in vivo.
- Applying high-resolution and super-resolution microscopy to living photosynthetic cells and organisms.
- Coordinating and organizing data, materials, and knowledge related to biosensors and biosensing strategies used in the subprojects.
- Instructing students in the use of high-resolution microscopy.
- Organizing and conducting workshops for the research consortium and beyond.

**Our expectations:**

- Fascination with fundamental and mechanistic questions of energy metabolism.
- Demonstrated excellent academic achievements, including a relevant list of innovative publications and/or preprints.
- Experience in one or more areas of modern microscopy (including image analysis), molecular and biochemical work, and working with genetic lines of the model plant Arabidopsis thaliana or green algae.
- Very good knowledge of the English language.
- High intrinsic motivation.

- Excellent communication and organizational skills; initiative and independent working style.
- Self-responsible analytical and scientific thinking and writing.
- Assumption of leadership responsibility within the research groups and the research consortium.
- Participation in the preparation of reports and follow-up proposals.

The University of Münster strongly supports equal opportunity and diversity. We welcome all applicants regardless of sex, nationality, ethnic or social background, religion or worldview, disability, age, sexual orientation or gender identity. We are committed to creating family-friendly working conditions. Part-time options are generally available.
We actively encourage applications by women. Women with equivalent qualifications and academic achievements will be preferentially considered unless these are outweighed by reasons which necessitate the selection of another candidate.

If you are interested, please submit your application as a PDF file by **13 August 2023**, to application.sp8@uni-muenster.de.

**University of Münster**

**Institute of Biology and Biotechnology of Plants**
**Prof. Dr. Markus Schwarzländer**
**Schlossplatz 8**

**Institute of Integrative Cell Biology and Physiology**
**Prof. Dr. Karin Busch**
**Schlossplatz 5**
**48143 Münster**