

Ludwig-Maximilians-Universität München

Institution	Faculty of Biology - Systematics, Biodiversity and Evolution of Plants
Remuneration group	TV-L E13
Full-time / Part-time	Part-time (65%)
Start date	01.11.2026
Application deadline	05.08.2026

About us:

In AG Ferrari we study photosynthetic adaptations that allow plants to thrive under stress, with a special focus on non-model plant species. Facultative plants that combine more than one photosynthetic type within a single organism (e.g., C₃-CAM, C₄-CAM plants, or C₃-C₄ intermediates) are extremely fast-responding and resilient. Hence, our goal is to understand the molecular mechanisms contributing to their adaptability, signalling, biochemical adjustments, and triggers. To this end, we employ physiological, biochemical, and molecular approaches to investigate transcriptional, translational and post-translational levels of regulation involved in photosynthetic changes.

We are looking for you:

Research Assistant (PhD Candidate) in Molecular physiology of photosynthesis (m/f/x)

in Munich

Your tasks and responsibilities:

- Develop and conduct research on the regulation of C₄-CAM photosynthetic switch in *Portulaca* species, with a special focus on the role of phosphoenolpyruvate carboxylase kinase in regulating this system.
- Perform experiments and generate data relevant to the project.
- Manage and analyse research data, publish research findings in peer-reviewed scientific journals, present research results at inter-/national conferences.
- Supervise students at the Bachelor- and Master-level.
- Contribute to teaching activities.

Your qualifications:

- You have completed (or are close to completing) a Master's degree in Plant Science, Plant Biotechnology, Plant Biochemistry or a related field of study.
- You are enthusiastic for basic research and have a strong interest in plant physiology and photosynthesis.
- You have excellent English language skills (fluent). German skills are a plus.

- Previous wet lab experience (gas exchange, biochemical assays such as enzyme activity and metabolite quantification, molecular assays involving nucleic acid extraction, qRT-PCR) and bioinformatic skills (e.g., R or python programming for statistical and RNA-Seq analysis, proteomics) are desirable.
- You are a team player, also reliable, communicative, and flexible.
- An independent and creative way of working with a high level of commitment are also desirable.

Benefits:

We work closely with AG Kadereit and offer a stimulating research environment in a young and highly motivated, international team. Your workplace is located at the side of the stunning Botanical Garden Munich-Nymphenburg and offers office, laboratories, experimental greenhouse, and research facilities. The location is: Institute of Systematics, Biodiversity and Evolution of Plants, LMU Munich (Menzinger Str. 67, 80638, Munich). We offer flexible working hours, support in balancing work and family life, and professional training and personal development activities through a variety of [LMU support services](#). In addition, you can benefit from various [LMU corporate benefits](#).

The position is remunerated according to the salary group [TV-L E13](#) (65%) and limited to October 2029.

Women are strongly encouraged to apply. People with disabilities who are equally as qualified as other applicants will receive preferential treatment.

Contact:

Please send your application documents (letter of motivation describing how your expertise and ambitions match the research theme (max. one page); CV; name and contact information for your master's thesis supervisor and one other reference; copies of degree certificates and transcripts) in **one PDF** via e-mail to Prof. Dr. Renata Callegari Ferrari (r.ferrari@lmu.de) no later than **August 5th 2026**. For questions about the advertised position please contact Prof. Dr. Renata Callegari Ferrari exclusively via e-mail.

Please note that only documents received prior to the application deadline will be evaluated. Shortlisted applicants will be invited for interviews. Updates on the process will not be provided until the selection is completed.

Where knowledge is everything.

LMU researchers work at the highest level on the great questions affecting people, society, culture, the environment and technology — supported by experts in administration, IT and tech. [Become part of LMU Munich!](#)

In the course of your application for an open position at Ludwig-Maximilians-Universität (LMU) München, you will be required to submit personal information. Please be sure to refer to our [LMU Privacy Policy](#). By submitting your application, you confirm that you have read and understood our data protection guidelines and privacy policy and that you agree to your data being processed in accordance with the selection process.