

PhD position

Job description

A **PhD position** is available in the group of Dr. Shizue Matsubara for a joint project between the Phytosphere Institute (Forschungszentrum Jülich, Germany) and Prof. Roberto Bassi (University of Verona, Italy). In this joint project we aim to elucidate **physiological roles of different light harvesting complex (Lhc) proteins and leaf carotenoid pigments in plant acclimation to stress conditions**. Combining physiological and biochemical approaches, acclimatory responses will be studied on two levels: (1) **photosynthetic and growth performance** on a leaf and whole plant level and (2) **protein turnover** on a photosynthetic membrane and protein complex level.

The Phytosphere Institute offers a platform for non-invasive, quantitative and automated **plant phenotyping** (Jülich Plant Phenotyping Centre) as well as facilities for **metabolic and protein profiling** by isotope labelling. The Verona group provides support and expertise for thylakoid membrane **proteomics** and **Lhc protein analysis**.

The position is funded at least for 3 years and remains open until a suitable candidate has been recruited.

Employer

Phytosphere Institute (ICG-3)
Forschungszentrum Jülich GmbH
D-52425 Jülich, Germany
<http://www.fz-juelich.de/icg/icg-3/index.php?index=3>

Required profile

- You have a Master (or equivalent) in Plant Physiology, Plant Biochemistry, Plant Molecular Biology or Plant Biotechnology.
- You take a great interest in both Plant Physiology and Plant Biochemistry.
- You can work independently as well as in a team.
- You do not mind working with radioactive isotopes.
- You have high mobility.
- You have proficiency in English (both spoken and written).

Desired profile

- Experience in photosynthetic analyses, protein biochemistry, proteomics or bioinformatics is desirable.

Application contact

Please respond by e-mail, including your letter of interest and CV, to Dr. Shizue Matsubara (s.matsubara@fz-juelich.de).