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Ministry of Education,
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Institute of Microbiology
of the Czech Academy of Sciences



University of South Bohemia
in České Budějovice
Faculty
of Science

PhD student in photosynthetic membrane biogenesis

📍 Třeboň | Centre ALGATECH – Institute of Microbiology

The Laboratory of Photosynthesis in the Centre Algatech invites applications for a PhD student position. The successful candidate will work within a European research project under the supervision of the project PI, Dr. Éva Kiss. The project, involving research teams in Poland, Czechia and England, will investigate the regulation of the biogenesis and maintenance of the photosynthetic machinery. During reaching the goals of their PhD project, the student will master in protein biochemistry (affinity purifications, 2-dimensional protein electrophoresis, immunoblotting, etc); in various cloning methods, such as CRISPR; in manipulating an automated robotic system employing machine-learning. At the same time, the candidate will gain hands on experience with protein mass spectrometry, advanced methods in biophysics (for e.g. EPR and PAM-fluorescence measurements) and in structural biology (cryo-EM).

Our Lab is situated in the Centre Algatech (Institute of Microbiology of the Czech Academy of Sciences), Třeboň, Czech Republic. The Laboratory of Photosynthesis, led by Prof. Josef Komenda, accommodates internationally recognised research groups with high reputation in the field of photosynthesis research. The Centre Algatech is a friendly working environment furnished with high-tech instrumentations and with English as the primary language.

We Offer

- ☐ Work in a stimulating environment and an outstanding scientific institution.
- ☐ To participate in an international project involving research teams in Poland, Czechia, England and Germany to support professional development
- ☐ The opportunity to gain PhD degree in an innovative topic while learning state-of-art methods in molecular biology and biochemistry.
- ☐ Visits to international partner laboratories and to attend scientific conferences.
- ☐ Salary according to Czech academic pay scales including full health and dental insurance
- ☐ Employee benefits, including 30 days of paid vacation per year and recreation benefits.
- ☐ Social funds and pension insurance.

Candidate Profile

- ☐ Master's degree in biology, microbiology, biochemistry, molecular biology, or related fields is required.
- ☐ Motivated to work in an academic environment
- ☐ Good communication skills in English
- ☐ Interest in photosynthetic research and/or experience with molecular biology techniques are advantageous

Start:

2027.01.04

Application

Send single pdf file containing a motivation letter (max 1 page), your CV, and references to:

✉ kiss@alga.cz (Dr. Éva Kiss, Ph.D., Laboratory of Photosynthesis)