

PhD position in Algal Molecular biology

Algal Evolution and Ecology group is hiring a Ph.D. student with a **background in molecular biology** to study the **biology of microalgae**. We are specifically interested in candidates motivated to work with model phototrophs such as *Chlamydomonas*, *Phaeodactylum* and *Synechocystis* and on topics involving algal pigment metabolism, nutrient cycling, bioluminescence and/or chloroplast biology.

The group is led by Jan Janousek and Eva Horakova and studies evolution, ecology, and molecular biology of microalgae and heterotrophic protists (*PNAS* 114:E171–E180; *Curr Biol* 27(23), *eLife* 8:e49662; *Nat Commun* 13:7075). We are located at Centre Algatech, Institute of Microbiology, Trebon, Czech Republic. The degree will be conferred by the Department of Molecular Biology and Genetics at the University of South Bohemia.

We seek motivated candidates with:

- a Master's degree in molecular biology or related field
- experience in cloning, cell transformation, DNA and protein analysis and/or biochemistry
- independent thinking
- strong communication skills

You will receive:

- individual mentorship and comprehensive training in laboratory methods
- opportunities to network and present data at regional and/or international meetings
- a 4-year Ph.D. stipend with full health and dental insurance coverage
- international work environment and collaboration with universities in the EU and UK

Centre Algatech hosts several internationally recognized groups in algal research. We have high number of foreign researchers, friendly, collegial atmosphere and English as working language. We have been funded by prestigious awards (ERC, EXPRO), have outstanding equipment for molecular biology and biochemistry. We have strong ties with the University of South Bohemia and Czech Academy of Sciences.

Department of Molecular Biology and Genetics at the University of South Bohemia is located in the city of Ceske Budejovice. Research activities are focused on functional analysis of genes using various model organisms. Ph.D. students are trained in modern methods of molecular genetics, including mutagenesis, transgenesis, and cell culture techniques. The department offers a Ph.D. programme in Integrative Biology.

To apply:

Please send a **single PDF document in English** containing the following information to Eva Horakova (horakova@alga.cz) by **November 30, 2024**. Applications will be reviewed through **December 20, 2024**, and university-led interviews will take place in mid-January 2025.

- Motivation letter detailing your fit for the position (max. 1 page)
- Curriculum vitae with a complete list of peer-reviewed publications (max. 2 pages)
- Contact information for 2 academic referees (do not include letters with your application)

