

Postdoc position in Aquatic Microbial Ecology (24 months) Start date: [01/08/2025]

We are looking for a **motivated Postdoctoral Researcher** to join our international research team of Anoxygenic Phototrophs at [ALGATECH](#), Třeboň, Czech Academy of Sciences for a **international project** titled “Eutrophication and AAP bacteria: changes in the contribution of AAP bacteria to microbial dynamics and carbon cycle in response to trophic status” (25-17184K). It is a collaborative project involving as well researchers in **Poland** (National Marine Fisheries Research Institute) and **Germany** (The Leibniz Institute for Freshwater Ecology & Inland Fisheries, IGB) offering an opportunity to work at the intersection of molecular microbiology, biogeochemistry and bioinformatics contributing to **freshwater microbial ecology**.

The main aims of this project are to:

1. Investigate the impact of eutrophication on Aerobic Anoxygenic Phototrophic (AAP) bacteria.
2. Advance our understanding of the role of AAP bacteria in the aquatic carbon cycle.

To address this topics, we will perform monthly **field sampling** on lakes with different trophic status, biochemical and microbiological analysis as well as sequencing and **metagenomic investigation** of the microbial community focusing on the AAP metabolic group.

Requirements:

- PhD in biology, bioinformatics, or similar.
- Solid background in molecular biology
- Experience with bioinformatics and statistical analysis of metagenomics or amplicon data.
- Proven ability in data analysis and scientific writing.
- Aptitude to work in a team including good communication skills.

Positively evaluated:

- Programing experience (e.g. Python, bash, R).
- Valid driver's license (for fieldwork)
- Experience working with phototrophic bacteria.
- Solid understanding of freshwater microbial community functioning.
- Experience in the supervision of undergraduate students.

We offer:

- A fully funded 24-month postdoc position that could be extended.
- Interdisciplinary expertise and inclusive working environment at [ALGATECH](#).
- Active networking with collaboration and mobility between the international partners of the project in Germany and Poland.
- The position enables a flexible arrangement of the working hours.
- Support for participation in international conferences and workshops to ensure career development.



IGB

Leibniz Institute of Freshwater Ecology and Inland Fisheries



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Please send your CV, motivation letter, and contact details for one referee to: recruitment@biomed.cas.cz and make sure to include this identification code: **Postdoc.7.2025.MBU** in the subject, as it is essential for processing your application.

You can apply till the **end of June** when shortlisted candidates will be contacted after the first round of evaluation.