

# Master position in Aquatic Microbial Ecology (up to 18 months) Start date: [2026]

We are looking for a **motivated Master Student** 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 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:

- Bachelor in biology, bioinformatics, or similar.
- Knowledge in molecular biology, bioinformatics or metagenomics.
- Aptitude to work in a team including good communication skills.

## Positively evaluated:

- Programming experience (e.g. Python, bash, R).
- Valid driver’s license (for fieldwork).
- Understanding of general microbial ecology.

## We offer:

- A **partially funded 18-month** master 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.



Leibniz Institute of Freshwater Ecology and Inland Fisheries



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Please send your CV and motivation letter to [yillena@alga.cz](mailto:yillena@alga.cz) and apply before the end of March.