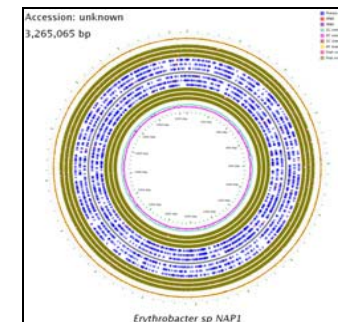
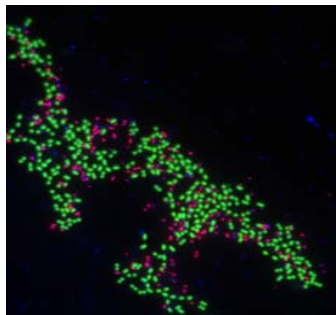




# Diversity of Anoxygenic Phototrophs



**Anoxygenic Phototrophs** are evolutionarily old organisms, which harvest light energy using bacteriochlorophyll-containing reaction centers. These highly diverse organisms are present in many aquatic habitats (Zeng et al. PNAS 111:7795-7800, 2014; Koblizek, FEMS Microbiol Rev 39: 854–870).

Projects will focus on molecular analyses of field samples using both DNA and RNA sequencing. Selected candidates will also learn selected microscopic and analytical techniques. The positions are funded by the EU and Czech Grant Agency projects.

**Contact: [aap@alga.cz](mailto:aap@alga.cz); Doc. Michal Koblizek PhD**  
**Inst. of Microbiology CAS, 379 81 Trebon, Czech Republic**



### **Positions available**

The Laboratory of Anoxygenic Phototrophs at the Institute of Microbiology in Trebon is looking for motivated candidates for a postdoc and a PhD position. We are an international, competitive group working on physiology, genomics and ecology of anoxygenic phototrophic bacteria. The communication language is English. The team collaborates with laboratories in Europe, USA and Japan. The Institute of Microbiology of the Czech Academy of Sciences is one of the top research institutes in the Czech Republic. Trebon is located in the center of lake-land nature reserve area. Trebon and the neighboring town of Ceske Budejovice (Budweis) are also known for their local breweries.

See: <http://www.alga.cz/en/c-371-laboratory-of-anoxygenic-phototrophs.html>

**Postdoc:** A candidate with a PhD degree in microbiology, molecular biology, bioinformatics or similar fields. The project will focus on diversity and activity of anoxygenic phototrophs in fresh waters. The candidate will be involved in sampling campaigns, qPCR, DNA and RNA sequencing and data analysis. Experience in molecular work and/or bioinformatics is an advantage. Starting salary: 35,000 CZK per month.

**PhD:** The composition of microbial community will be investigated using Fluorescence *in situ* hybridization and amplicon sequencing. The successful candidate will be involved in field studies investigating the presence of novel groups of phototrophic microbes. Fellowships available.

**Recruitment procedure** - committed to equality and valuing diversity:

A motivation letter and CV should be sent to [aap@alga.cz](mailto:aap@alga.cz) by **April 15th, 2016**. The selected candidates will be contacted for additional information. The interviews will be held in April/May. The successful candidates will be notified by the end of May. The expected start is **July 2016**.

Doc. Michal Koblizek PhD  
Inst. of Microbiology CAS  
379 81 Trebon, Czech Republic