



### **Post-Doc position**

“Photoprotective antenna protein dynamics: from live cells to algal proteoliposomes”.

Proposed starting date: January 2018.

### **Description**

We are looking for a young, enthusiastic and motivated individual to join the “Dynamics of Photosynthetic Membrane” research group at the Algatech Centre of Třeboň, Czech Republic. The project aims at elucidating the mechanism of photo-protection in algae in reconstituted systems (proteo-liposomes). Purified membrane proteins from algae will be incorporated into liposomes and studied using spectroscopic and microscopy methods. The ultimate goal is to mimic what occurs in photosynthetic antenna proteins under high light stress.

**Research area:** Membrane protein biochemistry, biophysics, photosynthesis, microscopy.

### **Qualifications and experience:**

The candidate is expected to be less than 37 and have a PhD in one of the following subjects: Biology, Chemistry, Engineering, Physics and/or related topics.

Competencies which are desirable or will constitute an advantage during the selection are:

- 1- Membrane protein biochemistry skills;
- 2- Experience in handling liposomes;
- 3- Familiarity with confocal microscopy.

**Contract for one year, renewable to two (subject to satisfactory progress) with a monthly remuneration of 1300 €.**

**Deadline for applications: 1<sup>st</sup> of December 2017.**

**Interested applicants should send their CV plus motivation letter and names of 2 referees to: [belgio@alga.cz](mailto:belgio@alga.cz)**

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The **ALGATECH Centre (Institute of Microbiology, CAS, Czech Republic)** is an institution with world-wide recognition for research on various aspects of biology, biophysics, ecophysiology and biotechnology of phototrophs. The institute is situated in Třeboň, South Bohemia, and employs more than 100 people in an international, friendly environment.

The research of **Dr. Erica Belgio** contributes to the “Dynamics of Photosynthetic Membranes” group and is focused on basic aspects of photo-protection in photosynthetic organisms. Methods employed range from biochemistry (chromatography, sucrose gradients, pigment-protein reconstitution) to biophysical techniques (mainly fluorescence spectroscopy).

**Address:**

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