

POSTDOC STAY at Institute of Microbiology (CAS), center ALGATECH, Czech Rep.



ABSTRACT: Centre ALGATECH (Group of thylakoid membrane dynamics, Dr. Radek Kaňa) is looking for a visiting post-doc for a **short stay (3 months)**. The postdoc will have an opportunity to join the group and to be part of the currently running project **STRUCTURE AND DYNAMICS OF CYANOBACTERIAL THYLAKOIDS**. The proposed stay includes experimental work with confocal microscopy (ZEISS LSM 880) in a frame of the project dealing with localization/mobility of thylakoid membrane proteins in cyanobacteria thylakoids.

During the stay, post doc will experimentally address specific question of the project. **The work will include mostly experiments with confocal microscopy** with ready-to-use cyanobacteria strain with fluorescently tagged thylakoid membrane proteins.

REQUIRED QUALIFICATIONS/EXPERIENCES:

- PhD either in Biology, Chemistry, Biophysics or related topics
- **Familiarity with confocal microscopy** methods, expertise in advanced CLSM methods (e.g. FRAP) and in image processing software (ZEN, ImageJ, Fiji) will be a plus
- **Ready to start** with the project **in the course of OCTOBER 2017**
- Ability to learn new things/methods, flexibility, good English and communication skills, writing skills, ability to present data
- Computer literacy, effective data processing skills, effective team working

OFFER:

- **THE STAY IS COVERED BY AN EMPLOYMENT CONTRACT for 3 months**
- Working with the brand-new **Confocal microscope (ZEISS LSM 880** with spectral detector and FCS module) in a newly modernized centre of algal science and biotechnology (Centre ALGATECH, **accommodation at the Institute's rooms**
- Ability to learn image processing methods with CLSM data
- Stimulating, interdisciplinary research in the field of bioenergetics of thylakoids, international scientific environment in the field of photosynthesis

Interested applicants should send their CV and motivation letter (for joining the project) to **kana@alga.cz**

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