



PhD Positions in Microbial Ecology and Sediment

Biogeochemistry of Freshwater Systems

The Department of Biology at SDU invites applications for PhD positions to study the anaerobic oxidation of methane by microbes in freshwater sediments. The positions are associated with the project NOVAMOX (Novel Niches of Anaerobic Methane Oxidation and Their Biogeochemical Significance) funded by the European Research Council. The project explores how anaerobic microbes through their consumption of methane attenuate the emission of this greenhouse gas from freshwater systems and oceanic oxygen minimum zones, environments where such processes to date were largely ignored.

Main research objectives for these positions include the elucidation of pathways and identification and quantification of anaerobic methane-oxidizing microbes in freshwater sediments. Experimental techniques may include molecular biological analyses, cultivation and biogeochemical analyses including stable and radio isotopes. Hence, we seek candidates with a background in biology, (bio-)geochemistry, molecular microbiology, or related fields, and with experience in the analysis of environmental samples. The selected candidates will work closely together with the NOVAMOX team and other colleagues at the Department of Biology. The PhD should begin summer/early autumn 2018. Application deadline: 27 April 2018.

These positions are subject to the entry into force of grant agreement no 695599 by and between the European Research Council Executive Agency (ERCEA) and the University of Southern Denmark and thereby funded by the European Union's Horizon 2020 Research and Innovation Programme.

For further information please contact Bo Thamdrup, tel.: +45 6550 2477, e-mail: bot@biology.sdu.dk.

Application, salary etc.

Appointment as a PhD Research Fellow is for three years. Employment stops automatically at the end of the period. The holder of the scholarship is not allowed to have other paid employment during the three-year period.

The successful applicant will be employed in accordance with the agreement of 10 November 2015 on salaried PhD scholars between the Ministry of Finance and AC (the Danish Confederation of Professional Associations).

The successful candidate will be enrolled at this university in accordance with faculty regulations and the Danish Ministerial Order on the PhD Programme at the Universities (PhD order).

The University wishes our staff to reflect the diversity of society and thus welcomes applications from all qualified candidates regardless of personal background.

Application must be made in the form of a Declaration of Interest including the following:

- A research proposal/description of your approach to the above project (max one page excluding references)
- A letter stating your specific interest, motivation and qualifications for the project in question (max. two pages) (please attach this under box "Application form")
- Detailed CV, including personal contact information
- Copies of diplomas, Bachelor as well as Master's degree, including transcript of notes/grades
- At least two signed reference letters. Should your referees wish to send their letters directly to us, please have them use e-mail: anc@sdu.dk mentioning your name and the title of the position in the subject line. And please note that these also need to reach us before deadline. Further information about the PhD-study can be found at the [homepage of the University](#). Applications must be submitted electronically using the link "Apply online". Attached files must be in Adobe PDF or Word format. Each box can only contain a single file of max. 10 Mb. We strongly recommend that you read [How to apply](#) before you apply. Incomplete applications and applications received after the deadline will neither be considered nor evaluated. This also applies to reference letters.

[Further information](#) for international applicants considering applying for a job at the University of Southern Denmark. Please take a look at the webpage from our International Staff Office (ISO) at The University of Southern Denmark.

Send application

Deadline 2018-Apr-27

You can apply for the job at The Faculty of Science by completing the application form

[APPLY ONLINE](#)