

Three PhD student positions in Microbial Ecology

Three 4-year graduate student positions are available at Uppsala University and the Swedish University of Agricultural Sciences (SLU):

(1) Single cell approaches in aquatic microbial ecology: functional diversity at the level of cells, populations and communities. Ref no. UFV-PA 2006-53

The PhD student will participate in a project funded by the Swedish Research Council (VR), with the aim to assess the specific role of metabolic and biochemical diversity of single microbial cells and different populations in controlling and modulating the degradation and transformation of organic carbon and associated elements in aquatic ecosystems. The successful candidate should have a background in microbiology, microbial ecology or related discipline. Experience in molecular tools development and single cell microbiology is a merit.

Contact person: Dr. Stefan Bertilsson, int+46-18-4712712, stebe@ebc.uu.se,

(2) The importance of local versus regional forces for microbial community structure and function in lakes. Ref no. UFV-PA 2006-54

The PhD student will work in a project funded by the Swedish Research Council and Uppsala University, using microbial communities as models to test macro-ecological theories regarding community structures and diversity. In experiments as well as in field studies it will be investigated which types of forces are shaping bacterial community structures and function in lakes. The successful candidate should have a background in ecology and an interest in microbial ecology. Previous experience from work with molecular methods and/or within the field of macroecology is a merit.

Contact person: Dr. Eva Lindström, int+46-18-4716497, eva.lindstrom@ebc.uu.se,

(3) Significance of horizontal gene transfer for functional diversity of bacteria in soil: the denitrifier community as a model. Ref no. SLU 15/06

The PhD student will participate in a project funded by the Swedish Research Council (VR), addressing basic questions in soil microbial ecology such as consequences of population shifts, functional redundancy and ecological impact of functional gene transfer. The successful candidate should have a background in microbiology, molecular biology or related disciplines. Previous experience from work with molecular methods within the field of microbial ecology is a merit.

Contact person: Dr. Sara Hallin, tel. +46-18-673209, sara.hallin@mikrob.slu.se

The three positions will be associated to the newly established Uppsala Microbiomics Center (UMC) in Uppsala, Sweden, which is one of 5 strong research environments for the period 2006-2010 that is funded by Formas. For additional information, see <http://www.ebc.uu.se/limno/> , <http://www.mikrob.slu.se/>.

Union representatives at Uppsala University: Anders Grundström (SACO), phone: +46 18 4715380, Carin Söderhäll (TCO/ST) phone: +46 18 4711996. At SLU: Lars Lundqvist (SACO) +46 90 786 84 07, and Barbro Gunnarsson (ST) +46 90 786 82 48. Applications (3 copies) should include a brief description of research interests and past research experience, *Curriculum vitae* and the name and contact information of 2 personal references. Relevant publications (including BSc / MSc thesis) should be attached (1 copy). We encourage candidates to apply for more than one of the announced positions (1 application is sufficient). Applications, quoting the reference number of the first-choice position should arrive **no later than February 15** at the Registrars office, Uppsala University, Box 256, SE-751 05 Uppsala, Sweden (position 1 or 2) or at the Registrars office, SLU, Box 7070, SE-750 07 Uppsala, Sweden (position 3).