



LUND
UNIVERSITY

VACANCY

2010-01-20

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Dnr N 2010/17

Faculty of Science
Department of Biology (Ecology)
Personnel Administrator Tina Nilsson

Lund University announces the following vacancy:

POSTGRADUATE SCHOLARSHIP in Ecology, within the discipline of Plant Ecology and Systematics, with placement at the Department of Biology (Ecology), section for Plant Ecology and Systematics, Faculty of Science.

Reference Number: 2010/17

Starting Date: 1st of April 2010

Information: Pål Axel Olsson, Ph: + 46 46 222 42 47

E-mail: pal_axel.olsson@ekol.lu.se

Worker's unions at Lund University: OFR, SACO and SEKO

Project Description:

The research project involves research on the winter succession and carbon allocation in grassland ecosystems. The aim is to investigate milder winters influence on soil chemistry, vegetation structure and the cycling of carbon in sandy grasslands. The carbon cycle, where the interaction between plants and mycorrhizal fungi is an important component, will be studied using the stable isotope carbon-13 as tracer. Carbon fed to the vegetation will be traced by biochemical methods to the ground and the mycorrhizal and saprotrophic fungi there. By following the assimilation and retention of C during the whole year it is possible to compare the influence of different environmental factors on carbon allocation dynamics.

The studies involve surveying of vegetation and sampling at coastal sites during the whole year. In the laboratory the sampled material is analyzed using soil chemical and biochemical (GC-MS) methods as well as by microscopy. An important part of the work is to use statistical methods to analyze the data and to sum up the work in scientific papers.

Qualifications:

The work is in the field plant ecology-soil chemistry. We are looking for a candidate with at least a B.Sc. degree (or equivalent) in Biology and a strong interest in ecology, soil biology and botany. Experience with vegetation and soil analyses and independent scientific work will be considered an advantage. The applicant should have a driving-license and good communication skills in English.

Additional information

Regulations concerning appointment as a full PhD student can be found in HF 5 Chap 1-7§§ and SFS 1998:80. Also consult the admission regulations found at:

<http://www.science.lu.se/o.o.i.s/4964>

An educational stipend is awarded for the first 18 months of full-time study, following which time the student is appointed as a full doctoral student. Regulations concerning

educational stipends for doctoral students can be found in SFS 1995:938 and 1998:81. Regulations concerning appointment as a full PhD student can be found in HF 5 Chap 1-7§§ and SFS 1998:80.

Those who hold an educational stipend or a doctoral student appointment must first be accepted for postgraduate study. To be accepted, a student must be judged to have the competence necessary to complete a course of postgraduate study.

In addition to pursuing postgraduate studies, the doctoral student may also perform other duties - including research, teaching and administration – according to the specific regulations.

The university strives for a more even gender representation within postgraduate education.

Applications are made on a specific application form found on the web site: <http://www.science.lu.se/o.o.i.s/13456>

The application must reach the Registrar, Kansli N, Lund University, Box 118, SE-221 00 Lund, Sweden, **not later than 10th of February 2010**. All submitted documents must be attested as to their authenticity.

Personnel Administrator

Tina Nilsson