

Postdoc within molecular plant physiology

Department of Basic Sciences and Environment wishes to appoint a postdoc for two years within a project titled "**How can glyphosate stimulate plant growth**" **Studying changes in gene-expression in glyphosate exposed plants**" from September 1st 2010 or as soon as possible thereafter.

Job description

The post doc's duties will include research on gene expression in maize exposed to low doses of glyphosate using Agilent oligonucleotide microarrays and qRT-PCR. The post may include teaching to a limited extent. The post doc will be part of a team working on the goal of understanding how glyphosate can stimulate plant growth. The time will include two PhD students with one studying changes in photosynthesis and carbon allocation patterns in response to low glyphosate doses while the other studies glyphosate uptake, allocation and metabolisation.

The appointee should have qualifications within the following areas:

- Hands on experience with agilent oligonucleotide microarrays and qRT-PCR techniques, which it is expected the post doc can run independently
- Experience and knowledge of statistical treatment of microarray data and biological interpretation of the data
- Knowledge of basic plant physiology
- Good collaboration skills

Qualification requirements

In connection with the appointment to the post special importance will be attached to the applicant having the professional and personal qualifications stated below:

- Documented scientific qualifications such as a Ph.D. or equivalent in relation to the above subject area(s)
- Fluency in English. Life generally encourages employees who do not speak Danish to acquire a working knowledge of the language.

The postdoc is also required to be enterprising and to possess good interpersonal skills.

Terms of employment

The post will be filled according to the Agreement between the Danish Ministry of Finance and the Danish Confederation of Professional Associations. The post is covered by the Protocol on Job Structure.

Questions

For further information about the post, please contact Associate Professor Nina Cedergreen on tel. (+44) 1491 83 88 00 or (+44) 7760 92 69 90, ncf@life.ku.dk, or Head of Department Susanne Sørensen on tel. (+45) 35 33 24 40.

Application

The application must be submitted in 2 (sorted) hard copies; therefore it's not possible to receive the application by e-mail. The

application must include a reply e-mail address. Each application must include the following appendices marked with the stated appendix numbers:

Appendix 1: curriculum vitae with documentation of education.

Appendix 2: a complete list of publications and list of submitted appendices.

Appendix 3: a maximum of 10 relevant scientific works which the applicant wishes to be included in the assessment.

Appendix 4: documentation of research and teaching qualifications.

The application must be accompanied by:

- A CD-ROM in Word XP/2003 legible format with appendices 1 and 2.

In addition to the material the applicant wishes to be included in the assessment, the Assessment Committee may include further material in their assessment of the applicant. In such circumstances, it is the responsibility of the applicant, on request, to send the material to the Committee.

Following processing of the application, any application material sent will be destroyed.

Receipt of the application will not be acknowledged, but the applicant will be kept continuously informed of the progress of the application.

The applicant will be assessed according to the Ministry of Science Technology and Innovation Executive Order no 284 of 25. April 2008.

The application, marked 621-329 should be sent to **The Faculty of Life Sciences, Department of Basic Sciences and Environment, Thorvaldsensvej 49, 1871 Frederiksberg**, where it must be received no later than **August 1st 2010 at 12.00 noon**. Applications received after the closing date for applications will not be considered.

Deadline: 01-08-2010

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