Assistant Professor (UD)
Institute for Water and Wetland Research, Faculty of Science, Radboud University

Water has been identified as the major environmental issue of the 21st century. Many parts of the world will experience increasing fresh water shortage, while other parts will have a higher incidence of flooding. Poor water quality is a threat for human society as well as for natural ecosystems. The research focus of the Institute for Water and Wetland Research (IWWR) is the natural environment, in particular aquatic ecosystems and wetlands. Many of these environments have been substantially altered by human impact. The changes have resulted in stress responses of all living biota and impose major challenges to individuals, populations and the ecosystem as a whole. The IWWR studies the mechanisms of adaptation to these changes of microorganisms, plants and animals at the level of the molecule, the cell, the organism and the ecosystem. The tight coupling of fundamental scientific research to application, distinguishes the IWWR from other national and international institutes on water research. The novel applications for current water problems are developed from innovative fundamental insights in molecular, physiological and ecological processes.

www.ru.nl/iwwr

The research of the IWWR is carried out by complementary and interacting research groups that study the mechanisms of adaptation of cells, organisms and ecosystems to stress. The IWWR has a vacancy for an Assistant Professor (UD/lecturer) in the research group Plant Cell Biology to establish a research line in collaboration with the research groups Experimental Plant Ecology and Plant Genetics in the field of stress responses in plants. In particular, the candidate is expected to address research on plant hormonal responses (and their signal transduction) to climatic and environmental changes, by integrating molecular, genomic and eco-physiological approaches. Collaboration with colleagues of Experimental Plant Ecology on projects such as (adventitious) root development and adaptation to flooding is desirable. This research is embedded in theme 3 of the Graduate School Experimental Plant Sciences.

The Assistant Professor shall participate in the teaching activities in the Biology curriculum by giving classes on (Molecular) Plant Physiology at the level of Bachelor and Master tracks.

Relevant tasks of the Assistant Professor in Molecular Plant Physiology:
- The UD explores actively opportunities and novelties in the fields of molecular physiology of stress adaptation in plants and plant eco-genomics.
- The UD leads an independent research program, in collaboration with other members of the IWWR, and participates as independent PI in research networks/programs.
- The UD supervises Bachelor, Master and PhD students and technical staff.
- The UD prepares and gives classes according to the program of the Institute of Bioscience.
- The UD shares management tasks with colleagues of the research group and of the Institutes

Expected qualifications:
- A PhD thesis on Plant Molecular Physiology
- 3 to 5 years of postdoctoral experience, by preference (partly) carried out abroad
- Experience with teaching (in various forms: supervision of students, tutorials, lectures, etc)
- Good didactic qualities
- Experience with multidisciplinary research in the fields of molecular plant physiology, plant genetics, plant eco-physiology, and in particular experience with research on hormone signal transduction and stress responses in plants
- Scientific activity and productivity recorded by a good number of publications and citations
- Successful acquisition of external grants
- Excellent communication skills and team player

The salary will be between EURO 3.195 and 4.374 gross per month on a full-time basis, depending on qualifications and experience.

Applications should include a research and teaching statement, a curriculum vitae, a list of publications and the names of two references.

The application can be sent to the following address, until 30 April 2009:
Radboud University, Personnel Department, Vacancy number: 62.13.09
PO Box 9010, 6500 GL Nijmegen, The Netherlands

More information:
For more information on the vacancy you can contact:

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