

## University of Amsterdam

The University of Amsterdam (UvA) is a university with an internationally acclaimed profile, located at the heart of the Dutch capital. As well as a world centre for business and research, Amsterdam is a hub of cultural and media activities. The University of Amsterdam is a member of the League of European Research Universities.

The Faculty of Science occupies a leading position internationally in its fields of research and participates in a large number of cooperative programs with universities, research institutes and businesses. The faculty has a student body of around 3,000 and 1,500 members of staff, spread over eight research institutes and a number of faculty-wide support services. A considerable part of the research is made possible by external funding from Dutch and international organizations and the private sector. The Faculty of Science offers thirteen Bachelor's degree programs and eighteen Master's degree programs in the fields of the exact sciences, computer science and information studies, and life and earth sciences. Since September 2010, the whole faculty has been housed in a brand new building at the Science Park in Amsterdam, making the Science Park one of the largest centres of academic research in the Netherlands.

The Institute for Biodiversity and Ecosystem Dynamics (IBED) is a multidisciplinary research institute with a mission to increase our insights in the functioning of ecosystems in all their complexity. Knowledge of the interactions between living organisms and processes in their physical and chemical environment is essential for a better understanding of changes in ecosystems at different temporal and spatial scales. Research in the group Theoretical Ecology focuses on the modelling of biological systems, in particular the dynamics of interacting populations and communities. IBED aims to strengthen the research in this group and hence invites applications for a

## Tenure track position/Assistant Professorship in Theoretical/Computational Ecology

**32 – 38 hours per week (0.84 – 1.0 fte)**

**Vacancy number W12-013**

### **Description:**

*What we are looking for:* We are looking for a theoretical/computational/mathematical ecologist with a focus on community ecology, who uses innovative approaches to link theory with experimental and empirical data. We invite all candidates with a relevant background in ecology to apply, but are particularly interested in candidates that work on the dynamics of large networks of interacting species or on the coupling between population dynamics and (global) nutrient cycles. The candidate should have experience with innovative modelling approaches and their application to unravel the mechanisms that govern the dynamics and structure of ecological communities. The candidate should have a training that allows him/her to teach undergraduate courses in population and community ecology, modelling and/or theoretical biology.

*What we have to offer:* The research program of the Theoretical Ecology group focuses on the influence of population structure (mainly physiological and spatial) on the ecological and evolutionary dynamics of communities, using novel modelling techniques. Especially in the theory development about the influence of population size-structure on communities the group plays a world-leading role. We offer a dynamic and multi-disciplinary environment, operating at the interface between ecology, evolution, theoretical biology and mathematics, and making substantial contributions to all of these disciplines. The Institute for Biodiversity and Ecosystem Dynamics comprises a wide range of ecological and evolutionary research groups, in which both modelling and experimental research plays an important role. Furthermore, the Faculty of Science of the University of Amsterdam offers an excellent environment for high-performance computing.

*What we expect:* The candidate is expected to make leading contributions to both the research and teaching program of the research group Theoretical Ecology. He/she is expected to teach at both bachelor and master level. Teaching will involve lectures, (computer) lab tutorials and supervision of students doing bachelor or master research projects. Furthermore, the candidate will be expected to supervise PhD students.

### **Requirements:**

- PhD in (Theoretical) Ecology, Theoretical Biology, or a similar field
- At least two to three years of international post-doc experience after obtaining the PhD
- Research focus on community ecology
- Proven experience in linking theory to analyses of experimental/empirical data
- Strong interest in applying and acquiring novel modelling skills
- Strong publication record (dependent on the seniority of the candidate), as demonstrated by publications in peer-reviewed scientific journals
- Excellent communication skills and teaching experience

### **Further information**

More information can be found on the website of the Institute for Biodiversity and Ecosystem Dynamics (<http://www.science.uva.nl/ibed>) and the research group Theoretical Ecology (<http://www.science.uva.nl/ibed-te>).

Suggestions of candidates and further inquiries can be send to Prof. dr. André de Roos before March 25, 2012. Email: [A.M.deRoos@uva.nl](mailto:A.M.deRoos@uva.nl)

### **Appointment**

We offer a position for 32-38 hours per week in a highly stimulating academic environment and a dynamic international atmosphere. The vacancy is in principle for a tenure track position, requiring several years of international postdoctoral research experience. The tenure-track-appointment of six years contains assessments after three and five years (based on “up or out”) and will lead into a permanent appointment after five years if the development of the performance is as expected. However, more junior or more senior candidates are strongly encouraged to apply as well. The type of appointment is negotiable, depending on age, experience and scientific profile of the selected candidate, but a probation period with a maximum of three years is standard. The salary is in accordance with the university regulations for academic personnel, and will range from € 3,195 before tax, up to a maximum of € 4,970 per month (scale 11/12, based on a full-time appointment at the assistant professorship level, salary table as from 1-1-2009), depending on previous experience and education. The salary will be increased by 8 % holiday allowance and 8.3 % end-of-year bonus. The Collective Labour Agreement Dutch Universities is applicable.

### **Job application**

Applications, including a detailed curriculum vitae and a cover letter, marked ‘strictly confidential’ and quoting job reference number W12-013 in the upper left-hand corner of the envelope, should be sent before March 25, 2012 to: Universiteit van Amsterdam, Faculty of Science - dept. PZ, attn: Drs. S.H.M. Jongerius, PO Box 94216, 1090 GE Amsterdam, The Netherlands. Applications can also be e-mailed to [application-science@uva.nl](mailto:application-science@uva.nl). Please quote the job reference number in the subject. Interviews for this position are scheduled at April 12 and 13, 2012.

This job is also announced at:

- University of Amsterdam webpage (<http://www.uva.nl/vacatures/vacatures.cfm/ADAA37AE-23DA-46EA-97AFAD685DF2A732>)
- Academic Transfer (<http://www.academictransfer.com/12674>)
- Nature Jobs (<http://www.nature.com/naturejobs/science/jobs/242873-Tenure-track-position-Assistant-Professorship-in-Theoretical-Computational-Ecology>).