

1. Publication date

ASAP

2. Closing date

1 June 2017

3. Organisational Unit

The Faculty of Science, The Institute for Biodiversity and Ecosystem Dynamics (IBED).

4. Level of Education

Graduate

5. Scope of work

38 hours per week

6. Salary indication

€ 2,552 to € 4,028 gross per month, based on 38 hours per week

7. Title

Post-doc in Bioinformatics

8. Vacancy type

Research & Education

9. Introduction

A post-doctoral position is available with Prof. Gerard Muijzer, in the Department of Freshwater and Marine Ecology (FAME) within the Institute for Biodiversity and Ecosystem Dynamics (IBED, see ibed.uva.nl) at the University of Amsterdam. The department currently comprises five full professors, one associate and four assistant professors, as well as several post-docs and PhD students. The mission of the department is to increase our understanding of the biodiversity and dynamics of freshwater and marine ecosystems from the level of molecules and genes to entire ecosystems.

The IBED is one of the eight research institutes within the Faculty of Science. Research in IBED includes Community Dynamics, Biodiversity and Evolution, and Geo-Ecology, and aims at a better understanding of the dynamics of ecosystems at all relevant levels, from genes to climate change, using a truly multidisciplinary approach. The Faculty of Science of the University of Amsterdam has a student body of around 6,000 and employs 1,600 members of staff, spread over eight research institutes and a number of faculty-wide support services. It offers eleven Bachelor's degree programmes and eighteen Master's degree programmes in the fields of the exact sciences, computer science and information studies, and life and earth sciences.

10. Job / Project Description

This post-doctoral position is part of the research program *The paradox of sulfur bacteria in soda lakes*, which is funded by an ERC Advanced Grant to Prof. dr. Gerard Muijzer.

The overall goal of this research program is to obtain a comprehensive understanding of the diversity and ecophysiology of sulfur bacteria in soda lakes, their niche differentiation, and the molecular mechanisms by which they adapt to extreme haloalkaline conditions.

The post-doc will perform bioinformatics on (meta)genomic and (meta)transcriptomic data obtained from bacterial strains and microbial communities, and will guide PhD-students with their bioinformatics analyses.

11. Requirements

- PhD in Bioinformatics or in Microbiology/Microbial Ecology with a proven track record of bioinformatic skills;
- experience with the analysis of (meta)genomic and (meta)transcriptomic data;
- knowledge of microbial physiology and biogeochemistry is desirable;
- good programming skills in Perl, Python, and R; and experience with and affinity for working in a Linux environment, and basic maintenance of Linux systems;
- fluency in English;
- good scientific writing skills;
- ability to work in a multidisciplinary research team.

12. Further Information

For additional information, please contact:

Prof. dr. Gerard Muijzer

E-mail: g.muijzer@uva.nl

13. Appointment

The full-time appointment (38 hours per week) will start a.s.a.p. and ends on 31 May 2018.

Depending on the evaluation of this research project and on a positive assessment of the candidate an extension of the appointment of approximately one year could be an option. The gross monthly salary will range from € 2,552 to € 4,028 and depends on previous experience. The Collective Labour Agreement Dutch Universities is applicable. The annual salary will be increased by 8 % holiday allowance and 8.3 % end-of-year bonus.

14. Job Application

Applications should include a detailed CV with a list of publications, a description of research experience and interests, and the names and contact addresses of two academic references from whom information about the candidate can be obtained. Combine all these items into a single PDF file. Applications should be sent by e-mail ultimately at 1 June 2017 to application-science@uva.nl. Please quote the vacancy number in the subject field.