



The Faculty of Earth and Life Sciences and the Faculty of Sciences of VU University Amsterdam, The Netherlands, have a vacancy for a:

Full Professor Integrative Bioinformatics f/m

Tenured position at the Centre for Integrative Bioinformatics (IBIVU) and the Netherlands Institute for Systems Biology
For 1,0 fte

Vacancynumber 1.2007.00119

The Centre for Integrative Bioinformatics (IBIVU) is a recently founded broad-based research centre that is carried by the Faculty of Sciences (FEW) and the Faculty of Earth and Life Sciences (FALW) with strong endorsement from the University Board. Its main missions are (i) the execution of a strong and internationally competitive research program in Integrative Bioinformatics with an additional focus on Systems Biology, (ii) the formation of a platform of interdisciplinary science between various institutes and departments at and outside the VU University Amsterdam, with a focus on biological and medical systems, and (iii) the provision of excellent training at the bachelor, master and postgraduate levels, including a two-year international Bioinformatics Master's course and a 'top'-MSc course on Systems Biology.

The IBIVU Centre is going through a phase of expansion both in staffing and research projects as a result of university and grant-based funding. IBIVU is one of the ways in which the VU University Amsterdam participates in the newly founded Netherlands Institute for Systems Biology (NISB), which is a collaboration between the two Amsterdam Universities, the Institute for Atomic and Molecular Physics (AMOLF) and the Centre for Mathematics and Computer Science (CWI). The professor to be appointed will play a prominent role in that new institute.

Tasks

The new full professor is expected to coordinate and streamline these research activities into a challenging and scientifically excellent research programme, which will radiate into a rigorous contribution to further developments in the IBIVU teaching activities. The new professor's research programme will have a focus on intra- and para-cellular organization and dynamics, and will include a systems biology approach. Ideally, the research should aim at the integration of bioinformatics/data-mining approaches with systemic modelling approaches, should integrate bottom-up and top-down strategies, and should help develop new computational methodology tailored at the multi-scale aspects of biological systems, in the dimensions of time, space, information, and chemistry. Prominent research directions will be ecological genomics and systems biology, as well as vertical genomics/systems biology integrating gene-expression, signal transduction and metabolic aspects of individual living organisms, all within the context of the new NISB initiative. The new professor will have a strong input in the IBIVU teaching programme, particularly the Bioinformatics Master's and the Systems Biology Master's programmes. He/she will also supervise PhD students.

Anticipated activities of the full professor include:

- organising and performing internationally visible research in Integrative Bioinformatics and Systems Biology;
- developing and teaching courses within the Bachelor, Master and PhD curricula offered by the IBIVU Centre and associated institutions;
- actively leading the acquisition and execution of (external) research projects, both at the national and international level;
- performing management duties for the IBIVU Centre, the Institute for Molecular Cell Biology, as well as the NISB, and at the level of the participating faculties FALW and FEW.

Requirements

The successful applicant is expected to have (i) an outstanding, comprehensive and internationally visible academic standing, (ii) excellent track record in innovative scientific research, (iii) excellent didactic skills and ample experience in university teaching, (iv) proven leadership and management capabilities vis-à-vis research projects, and (v) proven ability to attract research funding.

The candidate should further have the following qualifications:

- PhD in any of the disciplines that support Bioinformatics and Systems Biology;
- a number of years of experience as (assistant) professor or group leader;
- research experience in Bioinformatics and/or (Computational) Systems Biology;
- experience in teaching academic courses and supervising PhD students;
- experience with running external projects.

Further details

The full professor (H2) will become co-director of the IBIVU Centre with embedding in the Institute for Molecular Cell Biology (IMC), Faculty of Earth and Life Sciences (0,8 fte) and within the Department of Computer Science, Faculty of Exact Sciences (0,2 fte).

Salary and working conditions

The gross salary is determined according to the collective rules (CAO) of the Dutch Universities and ranges from €4.697,- to €6.841,- monthly (salary scale H2).

We also offer a pension scheme and flexible employment conditions. You can find information about our excellent fringe benefits of employment at www.vu.nl/vacatures.

Information

For more information please contact Dr. Jaap Heringa, Professor of Bioinformatics, Director of the IBIVU Centre (www.ibivu.cs.vu.nl), and chair of the search committee. Phone +31 (0)20 598 7649, e-mail: heringa@cs.vu.nl.

Application

Send your application (write the vacancy number on the top left side of the letter and the envelope or in the e-mail header) before June 15th 2007 to VU University, Faculty of Earth and Life Sciences, attn. Dr. J.M.R.M. Neutelings, Managing Director FALW, De Boelelaan 1085, 1081 HV Amsterdam, The Netherlands, or by e-mail to: falw-vacatures@falw.vu.nl.

Any other correspondence in response to this advertisement will not be dealt with.