

Postdoc Computational Mammalian Epigenetics/Epigenomics (1,0 fte) (211082)

Job description

Systematic or stochastic alterations of the epigenome can play a major role during mammalian development (e.g. cell differentiation) as well as in the etiology of complex diseases (e.g. cancer). As part of the large international collaborative and EU-funded project EURATRANS, we make use of Next Generation Sequencing data to elucidate the role of epigenetic factors, such as DNA or histone methylation, in determining system-wide phenotypic variation in the rat. This project provides an unprecedented platform for the next generation geneticists to explore the complex causes underlying phenotypic variation in mammalian populations. The size and heterogeneity of the data calls for creative and efficient analysis tools. We are specifically seeking someone interested in the development and implementation of such tools to facilitate a deeper biological interpretation of the data.

Qualifications

You have a PhD in one of the following disciplines: statistics, statistical genetics, population/evolutionary genetics, mathematics, bioinformatics, computer science, theoretical biology, physics. A proven ability to perform creative interdisciplinary research is required for this position. We also expect a pro-active attitude and the ability to initiate and execute research lines independently. Excellent communication and reporting skills are necessary. You should be able to write scientific articles and reports (to be proven by your PhD thesis and peer-reviewed scientific publications) and be fluent in English language (written and verbal). Only applications with a clear, concrete and personal 'statement of interest' for this project will be considered.

Organisation

The University of Groningen is one of the largest and oldest research universities of The Netherlands. It ranks among the top 200 universities in the world (The Times World University Rankings, 2010-2011). The Groningen Bioinformatics Centre (GBiC) is one of the leading bioinformatics groups in Europe. It is a major player in the development of modern Systems Biology and Systems Genetics approaches, with

strong international collaborations with many clinical and biological partners in Europe and USA. GBiC is part of the Groningen Biomolecular Sciences and Biotechnology Institute (GBB), which houses 13 different research groups and provides access to state-of-the-art research facilities to more than 100 PhD students and 30 faculty members. Since the beginning of 2011, the GBB is housed in a new life-sciences building.

Conditions of employment

The University of Groningen offers a salary dependent on qualifications and work experience of € 2,861 gross per month up to a maximum of € 3,315 (scale 10, number 8) gross per month for a full-time job. This position is defined according to the UFO function profile 'researcher'. The full-time appointment is temporary for a period of 2,5 year (with an evaluation after the first year).

How to apply

Please send the letter in English language, including a personal motivation (important!). Your curriculum vitae, the names and addresses of three referees (including telephone number and e-mail address) in just 1 file to gbic@rug.nl.

The position will be open until a suitable candidate has been selected.

Information

For information you can contact:

Dr Frank Johannes, f.johannes@rug.nl

Prof. R.C. Jansen, r.c.jansen@rug.nl

[Groningen Bioinformatics Centre](#)