

## Academic position in computational biology and statistical genomics

Ghent University invites applications for a full time tenure track position dedicated to research in Computational Biology and Statistical Genomics. The position is funded by the Special Research Fund (BOF) as one of five tenure track positions in Bioinformatics launched at Ghent University as part of its Multidisciplinary Research Partnership in Bioinformatics 'From Nucleotides to Networks' (N2N). This is an interdisciplinary field joining the expertise of scientists with different backgrounds to solve problems in (molecular) biology through computational means, which Ghent University has identified as one of their five areas of excellence.

We seek an upcoming research leader with an outstanding scientific record situated in the broad domain of Computational Biology generally and with specific interest in Statistical Genomics, motivated to play a major role in the high profile Multidisciplinary Research Partnership in Bioinformatics. The successful candidate is expected to engage in research related to one or more work packages identified by the partnership ([www.nucleotides2networks.be](http://www.nucleotides2networks.be)): to 1) build streamlined pipelines to deal with increasingly large numbers of heterogeneous data, 2) integrate these data for further downstream analyses, 3) develop novel tools and approaches for systems biology (inferring and modeling biological networks), and 4) apply these tools and approaches to Sustainable Agriculture and Successful Aging.

The successful candidate will be hosted within the Statistics research group at the Department of Applied Mathematics and Computer Science and is expected to collaborate closely with colleagues from the Bioinformatics research groups of Ghent University and the Flemish Institute of Biotechnology. The Statistics research group is internationally recognized, primarily for its research on causal inference and robust statistics. It builds on this expertise to develop targeted applied research for innovation in the private and public sector through the consortium Stat-Gent CRESCENDO, a unit with dedicated scientific staff operating across the university in inter-faculty collaboration. The primary focus there is on life sciences, the analysis of electronic health records and genetics data. Bioinformatics groups at Ghent University are world-renowned for their expertise in genomics and proteomics, applied to areas of research that have to do with successful aging and sustainable agriculture.

This position will initially be a five-year temporary appointment in a Tenure Track system dedicated to research, with a limited teaching load. The appointment will be made in the starting rank of assistant professor. Upon positive evaluation by the university board, the position will lead to a permanent position starting at the level of associate professor.

Profile: the candidate should:

Meet the degree requirements (PhD based on a doctoral thesis or equivalent recognised diploma), indicated in Article 83 of the Decree of 12 July 1991 concerning universities within the Flemish Community; the PhD or equivalent should have been obtained after *1 February 2005, but not later than 1 February 2010*;

Candidates should

- hold a PhD with a doctoral thesis in sciences with a strong quantitative statistical component, by preference in Physical Sciences, including Statistics and Mathematics, Life Sciences, Bioscience engineering, or a degree recognized as equivalent;
- have carried out outstanding scientific research in Computational Biology and/or Statistical Genomics, with corresponding research output; A growing proficiency in statistical genomics is expected.
- show a keen interest in the development and application of advanced statistical techniques in genetics
- have strong didactic, communicative and organizational skills;
- have experience in generating research projects and/or coaching PhD students;
- have acquired some international academic experience;

The governing language at Ghent University is Dutch. However, research is primarily conducted in English. Persons who do not speak Dutch as a native language are encouraged to apply and are expected to acquire a working knowledge of the language.

Further information concerning this vacancy can be requested by contacting Stijn Vansteelandt ([stijn.vansteelandt@ugent.be](mailto:stijn.vansteelandt@ugent.be)) or Els Goetghebeur ([els.goetghebeur@ugent.be](mailto:els.goetghebeur@ugent.be)).