

Principal Investigator Position in Computational Genomics and Systems Biology

Ph.D. degree in a relevant area (e.g., computational biology, systems biology, discrete mathematics, statistics, biophysics) and a notable publication record.

We will consider the applicants having strong research skills and publication's record, especially in the areas of genome & transcriptome data analysis, systems biology and computational cancer genomics.

Good programming experience (e.g. C/C++, R, S-plus, SQL, Java, Oracle, website and database experience). Experience in experimental studies is plus.

Possible projects might be focus on microarray and NGS data analysis, DNA-RNA-protein interactions, modelling and prediction of complex interaction networks, ncRNA structures and functions, non-canonical nuclear acid structures, identification and validation of biomarkers associations with cellular phenotypes and human diseases (specifically cancers), and relevant statistical, computational, systems biology algorithms development.

We are looking for a candidate who is independent-minded, can work well in a team environment, and willing to collaborate with experimental laboratories, clinicians and industry.

The job scope includes:

- Develop genome and expression data analyses relevant to basic biological or/and clinical problems with the goals of elucidating genome-phenotype relationships and the mechanisms linking the two and identify perspective clinical biomarkers .
- Recruit and lead a group.
- Train PhD students and, to a minor degree, MSc students.

The position provides a three-year renewable contract with competitive benefits. The search will continue until the position is filled.

Interested applicants should send their CV, statement of research interests and the names and addresses of three references.

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