

**Genome and Gene Expression Data Analysis Division, Bioinformatics Institute (BII),**  
the Agency for Science, Technology and Research (A\*STAR), Singapore

• **Principal Investigator Position in Computational Genomics and Systems Biology**

Applicants should possess Ph.D. degree in computational biology, systems biology or relevant areas (e.g. statistics and probability, big data analysis, mathematical biology, bioinformatics, algorithms and computer science, discrete mathematics, biophysics, structural biology, genetics, molecular biology) and a notable publication record.

You should have strong research skills and publications' record, especially in the areas of genome & transcriptome data analysis, algorithms development and computational biology, statistical bioinformatics, RNA and DNA biology, cancer genomics and systems biology.

Good programming experience (e.g. C/C++, R, SQL, and website and database experience) and experience in experimental studies is a plus.

Possible projects might be focus on integrative NGS and microarray data analysis, cancer genomics, modelling and prediction of complex interaction networks, single cell genome analysis, ncRNA structures and functions, DNA-RNA-protein interactions, 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 lead a team and work well in a team environment, and willing to collaborate with experimental laboratories, clinicians and industry.

The job scope includes:

- Genome sequence and expression profile analyses relevant to basic biological or/and clinical problems with the goal of elucidating genome-phenotype relationships and the mechanisms linking the two
- Recruit and lead a research group
- Compete for funding via grant system
- Provide PhD student' training and, to a minor degree, of MSc students.

The position provides a three-year renewable contract with competitive benefits. Interested applicants should send your CV, statement of research interests and the names and addresses of three references. We regret that only shortlisted applicants will be notified.

to Dr. Vladimir Kuznetsov ( [vladimirk@bii.a-star.edu.sg](mailto:vladimirk@bii.a-star.edu.sg) ).  
<http://www.bii.a-star.edu.sg/research/biography/vladimirk.php>

**The Bioinformatics Institute (BII)** is a member of the Agency for Science, Technology and Research (A\*STAR) Biomedical Sciences Institutes. Funded by Biomedical Research Council (BMRC) of A\*STAR, BII was set up in July 2001 as part of the national initiative to foster and advance biomedical research and human capital for a vibrant knowledge-based Singapore. BII aims to be a premier international institute in Bioinformatics by fostering and conducting leading-edge informatics research and development, providing high quality training and generating knowledge from large diverse volumes of biology, chemistry and medical data.

BII is located in the Biopolis, Singapore's premier hub for Biomedical Sciences. The Biopolis is dedicated to providing facilities for R&D activities and an environment that fosters a collaborative culture amongst the private and public research institutes.