

Postdoctoral Fellow position – Bioinformatics



School of Biological Sciences

Available in the Laboratory of Dr Yinghui Li

Assistant Professor, School of Biological Sciences
Nanyang Technological University (NTU), Singapore

Job description

We are recruiting an innovative and highly motivated **Bioinformatics Postdoctoral Fellow** to work with a team of researchers in the areas of epigenetics, RNA biology, chromatin interactions and cancer. Our laboratory is focused on elucidating the molecular mechanisms underscoring the activation of cancer driver genes and investigating the role of non-coding RNAs in the progression of human cancers. We are currently investigating the role of inflammatory mediators in transcription regulation and chromatin dynamics during cancer development. We are also expanding our study to identify essential gene regulatory networks in cancers through the development of new computational methods.

The successful candidate should be able to work in an innovative, dynamic and pro-active environment and perform bioinformatics analyses of several next-generation-sequencing (NGS) datasets including RNA-seq, ChIP-seq and 4C-seq. The candidate should also possess prior experience in RNA-seq and ChIP-seq data analyses, pipeline development and algorithm implementation/development.

Job requirements

We are looking for exceptional candidates with:

- A recent PhD graduate (or 1-2 years postdoc experience) in the relevant areas of computational biology/bioinformatics;
- Extensive knowledge and experience in working with a variety of NGS datasets, pipeline development and algorithm development;
- Strong publication track record, indicated by first author publications in high quality journals.
- Ability to write/contribute to research articles, grants and keep meticulous notes/proper scientific documentation;
- Strong interpersonal, written and oral communication skills;
- A strong team focus and ability to work independently;
- A demonstrated ability to supervise PhD students and junior research staff.

A competitive remuneration package that is commensurate with the qualifications and relevant experience of the successful candidate will be provided.

To apply for the role, please email your detailed CV, research statement and at least two academic referees to liyh@ntu.edu.sg. Only shortlisted candidates will be notified.