

14 April 2015

Research Fellow / Research officer position in bioinformatics, IMCB, A*STAR

We have position of Research Fellow / Research Officer in bioinformatics in the laboratory of Prof. B.Venkatesh (Comparative and Medical Genomics), at IMCB.

Our lab uses a comparative genomics approach to understand the structure, function and evolution of human and other vertebrate genomes. Our projects involve sequencing and assembly of whole genomes and transcriptome using next-generation platforms, genome annotation, analysis of gene and genome duplications, gene and protein family evolution; prediction of conserved noncoding elements (CNEs) and their validation in transgenic zebrafish and mouse. Our lab is a member of several international genome consortia. More details about our lab and a list of our publications are available at:

<http://www.imcb.a-star.edu.sg/php/venkatesh.php>. We are currently looking for a postdoctoral fellow/Research Officer to join a group of bioinformaticians working on various projects.

Responsibilities: include processing and assembling genome and transcriptome reads generated on next-generation sequencers, genome annotation, gene expression analyses based on RNA-seq, whole genome alignments, prediction of conserved sequences, database maintenance, and supervising junior team members. Our bioinformaticians are encouraged to take up independent projects and publish first-author papers.

Requirements: Candidates with a PhD will be considered for the position of Research Fellow and candidates with a Master's degree will be considered for the position of Research Officer in bioinformatics and/or related field with experience in high throughput DNA sequence analysis. Candidates should also have:

- Knowledge of open source projects (e.g. Ensembl, BioPerl);
- Experience in Perl / Java / C++ programming, ideally to the level of object-oriented and database programming, use of modules etc;
- Strong programming skills in UNIX and MySQL;
- Strong knowledge of a wide range of bioinformatics tools (e.g. BLAST, EMBOSS, Phylip, Clustal, HMMER) and databases (e.g. Refseq, UniGene, UniProt, PDB, Pfam);
- Experience in processing and assembling next-generation sequences;
- Excellent communication skills;

Candidates with a good publication record in reputable journals will be preferred.

Interested candidates should send their resume to mcbbv@imcb.a-star.edu.sg or recruit@imcb.a-star.edu.sg.

We regret that only shortlisted candidates will be contacted.