From:	Niranjan NAGARAJAN (GIS) [nagarajann@gis.a-star.edu.sg]
Sent:	Friday, July 12, 2013 5:57 PM
To:	'Limsoon Wong'

Dear Limsoon,

I wanted to request your assistance in forwarding these ads to the School of Computing in NUS. We have several excellent PhD fellowships and opportunities in A*STAR that the students may not be aware of (in addition to a few post-doctoral fellowships) and it would be great if we could recruit the next generation of genomic "data scientists" from the Computer Science program in NUS.

Regards,

Niranjan

Multiple opportunities are available for talented computational biologists at the Genome Institute of Singapore (GIS) in the rapidly expanding field of next-generation DNA sequence analysis.

About the institute:

The GIS is Singapore's flagship program for genomic sciences; it houses integrated teams of geneticists, computational biologists, developmental biologists and functional genomicists who use traditional and massively parallel technologies to address molecular questions of medical importance.

URL: http://www.gis.a-star.edu.sg/internet/site/

A) Joint PhD scholarships: GIS + partner university

This four-year scholarship comprises two years of PhD studies at an A*STAR Research Institute and another two years at a select top overseas university to enrich students' academic experience. Under this PhD research training, students will be mentored by a Professor from the selected university and a senior member of an A*STAR Research Institute. Successful students will be conferred a PhD degree by the university.

This PhD program leverages pre-existing research partnerships between GIS scientists and their counterparts at Oxford University, University of Illinois at Urbana-Champaign and other institutions.

For more details, see:

http://www.a-star.edu.sg/AwardsScholarships/ScholarshipsAttachments/ForGraduatePhDStudies/ASTARGraduateScholarshipOverseas/tabid/202/Default.aspx
http://www.a-star.edu.sg/AwardsScholarships/ScholarshipsAttachments/ForGraduatePhDStudies/ASTARGraduateScholarshipOverseas/UniversityofIllinoisatUrbanaChampaign/tabid/281/Default.aspx

If you are interested in applying, please contact Dr. Niranjan Nagarajan (nagarajann@gis.a-star.edu.sg) or Dr. Shyam Prabhakar (prabhakars@gis.a-star.edu.sg).

B) Postdoctoral fellowships

1. Human Epigenomic Variation in Development and Disease

The Prabhakar group has an opening for a Postdoctoral Fellow in the area of statistical epigenomics and human population variation. The group has initiated multiple large-scale projects that use Next-Gen sequencing to understand the role of transcriptional regulation and epigenomics in mediating the effects of genetic variants on human development and disease. Specific areas of interest include stem cell development and neuronal disorders such as autism and major depression.

The Fellow will be expected to lead the development of statistical techniques and algorithms for analyzing next-gen sequence data and polymorphism data in control and affected cohorts. The role will involve close collaboration with wet-lab members of the group to interpret data and design new experiments.

Candidates should have a PhD in a mathematical discipline, a solid conceptual understanding of probability and statistics, programming experience, a strong publication record and experience in one or more of the following areas: genome-scale analysis, epigenomics, next-gen sequence analysis and gene regulatory sequence analysis. A basic conceptual understanding of molecular biology as it relates to genomics is highly desired.

2. Genomic Analysis of Circulating Tumor Cells

The Prabhakar group is looking for a well-trained, talented and creative Postdoctoral Fellow to lead the computational analysis of multidimensional next-gen sequencing data from circulating tumor cells and matched primary tumor samples. This is a large, well-funded oncogenomics project that has just gotten under way. The project will involve integrative bioinformatic analysis and development of new statistical and algorithmic approaches.

Candidates should have a PhD in a quantitative discipline, programming experience, a strong publication record and experience in one or more of the following areas: cancer genomics, genome-scale analysis, transcriptomics, next-gen sequence analysis and regulatory genomics. Experience in interdisciplinary collaborations is a plus.

To apply, please email your CV and names of references to: prabhakars@gis.a-star.edu.sg

URL: http://www.gis.a-star.edu.sg/internet/site/investigator/investigator.php?user_id=94