Research Assistance (Bioinformatician)  
Centre for Translational Research and Diagnostics (CTRAD)

The Centre for Translational Research and Diagnostics (CTRAD) is a centre at the National University Health System and National University of Singapore dedicated to the development and deployment of diagnostics and therapeutics into the clinic. It brings together four major facilities, namely (1) the NUHS Tissue Repository (2) the Translational Interface, (3) the Diagnostic Molecular Oncology Centre, and (4) the Molecular Diagnostics Centre. CTRAD provides capabilities in clinical sample and data management, experimental pathology, experimental therapeutics, medical bioinformatics and molecular diagnostics. Its activities include the execution of translational research, clinical trial support and co-ordinating interactions between researchers, clinicians and industry.

CTRAD is seeking an individual to lead the development of a primary model programme. This includes the establishment of cell cultures and xenograft animal models from clinical samples. The goal of the programme will be to generate a resources of Asian-relevant models for scientific investigation and development of therapeutics and diagnostics.

Requirements
- Degree in Science, Medicine, or related field
- Good team player
- Excellent communication, writing and reporting ability
- Previous relevant experience would be favorable

Main duties & responsibilities
- To create bioinformatics pipelines for more efficient processing of data
- To perform computational analysis of high-throughput biological data
- To help create a database repository for the storage of clinically-relevant drug study data.
- Optimization and parallelization of algorithms for the analysis of genome-sequencing data;
- Software-engineering to improve usability, extensibility and scalability of existing programs;
- Testing, maintenance and extension of existing sequence-analysis pipelines;
- Automation of routine programming and data-analysis tasks;
- Development of analysis-to-database interfaces to automate and optimize data aggregation.

Remuneration will be commensurate with the candidate’s qualifications and relevant work experience. Interested parties should submit a cover letter, supported with a detailed resume, areas of strengths and experiences immediately to:

Ms Theodora Soh  
Department of Pathology, National University of Singapore  
14 Medical Drive, Centre for Translational Medicine  
#12-01, Singapore 117599  
e-mail: patsqt@nus.edu.sg

We regret only shortlisted candidates will be notified.