1. Job Description

A Research Assistant position immediately available for a M.Sc. degree holder in bioinformatics, or computational biology and genomics. A B.Sc. holder with a few years of related experience may also be considered. The candidate will work in a lab seeking to solve and provide diagnosis for rare genetic disorders in children using next-gen sequencing approaches. The project is part of a multi-disciplinary programme involving several major hospitals and institutions in Singapore to develop and establish clinical grade genomic testing, novel genes identification and functional validation.

2. Duties and Responsibilities

Candidate is expected to provide support in bioinformatics analysis of data from next-gen sequencing including mapping, alignment, variant calling, gene prioritization pipelines, pathway analysis, clinical annotation and genotype-phenotype correlations. He/she will support the team in co-ordinating the projects with team members, maintain databases and writing research reports and papers.

3. Job Specification/Requirements

Minimum qualifications: B.Sc. or M.Sc. degree. Ph.D. holders may also be considered. Candidate should have good programming background (e.g. C/C++, R, S-plus, SQL, Java, Oracle, website and database experience), experience in biological experimental analyses like next-gen sequencing data, pathway analyses and background in statistical, computational, systems biology algorithms development. He/She should be highly motivated, able to work independently and possess good communication skills with the ability to write well.

Interested applicants are invited to email a detailed resume stating your current and expected salary, relevant experience and names of three referees to faridah_s@nuhs.edu.sg.

Please indicate in the subject title as: "Application for position of Research Associate/Assistant ("Undiagnosed Disease Programme"). We regret that only shortlisted candidates will be notified.