BIO-INFORMATICIAN – METABOLOMIC DATA ANALYSES

Project/Job Description:

Metabolomic Diagnostics Ltd is a spin out from University College Cork (Ireland) established to commercialise and further develop predictive biomarkers for pre-eclampsia and other complications of pregnancy. The company invites applications for a postdoctoral position in the area of metabolomic data analysis.

The successful candidate will be seconded for up to two years to work in the Computational Biology group at the Singapore Institute for Clinical Sciences (SICS), Agency of Science and Technology Research (A*STAR) in Singapore who are collaborating with the company. Here they will work exclusively for Metabolomic Diagnostics to perform meta-analysis on an extensive collection of mass spectrometry derived metabolomic profiles from multiple cohorts. At the end of the two years, they will return to Ireland to head up the bio-informatics activities of the company.

http://www.metabolomicdiagnostics.com/

Job Responsibilities

- Research focusing on data mining and analysis within and across translational clinical datasets.

- Use and development of probabilistic models and statistical methods, to answer current research questions.

- Use and development of normalisation and processing procedures for metabolomics datasets

- Use and development of quality control tools and procedures for mass spectrometric outputs in collaboration with mass spectrometry operators and mass spectrometry vendors

- Analysis of clinical and molecular data and preparation of scientific publications and commercial reports.

Requirements

Minimum Qualifications

- Ph.D. degree in Biostatistics or similar

Minimum Experience

- Experience of metabolomic or mass spectrometry datasets

- Aptitude for and experience of collaborative research.

Others

- Very strong analytical skills and applied biostatistics experience.

- Expertise in common biostatistical tools such as SAS, Matlab and R

- Strong communication skills ensuring successful integration within multi-disciplinary teams

- Willingness to regularly travel between Singapore and Metabolomics Diagnostics' HQ in Cork, Ireland.

Desirable Attributes

- Experience of clinical or industrial research.

- Track record of productive research in the life sciences, evidenced by peer-reviewed publication record.

Starting Date

- Immediately

Interested applicants should contact charles.garvey@metabolomicdiagnostics .com