

Applications are invited for the following full-time position in Life Science Institute

POSTDOCTORAL POSITION IN INTEGRATIVE OMICS (1 year minimum, up to 3 years)

A 3 year postdoctoral position focusing on the analysis of integrative omics data is available in the National University of Singapore, to be hosted at the Center for Life Sciences and the Saw Swee Hock School of Public Health.

The availability of new technologies for measuring human variation has yielded exciting promises of novel biomarkers for human health and diseases. These new technologies measure the baseline genetic structure, gene expression, methylation changes, lipid profiles and even the gut microbiome environment. The demography of Singapore offers a unique opportunity to survey across these different human landscapes, and to establish a database of normal variation across each of the three population groups in the different omics platforms. Strategically, the Chinese, Malays and Asian Indian groups in Singapore possess the potential to broadly represent almost a third of the global populace, underlining the vast potential and merit this integrated survey of the different omic technologies presents to the scientific community.

The Singapore Integrative Omics Programme aims to establish baseline characteristics of the normal healthy subjects from each of the three major ethnic groups in Singapore, in the aspects of genomics, transcriptomics, lipidomics, epigenomics and microbiome. The focus of the research will be to integrate the data across these different omic technologies to identify patterns of associations to explain variation in expression, lipid or epigenetics and microbiome profiles. There will also be opportunities for self-directed research with the vast amount of omics and phenotype data that are available.

The successful applicant is expected to possess PhD in genetics, statistics, computational biology or bioinformatics, and with considerable programming experience within the Unix/Linux environment in PERL and either Java or C/C++. The successful applicant will be working directly with YY Teo (ephtyy@nus.edu.sg), and interested applicants are welcomed to contact YY for more information.

Recruitment is open immediately, and will continue until the position is filled. Applicants should send a brief statement of interest, CV, three named references, [NUS Personal Data Consent for Job Applicants](#) and other supporting documents to with **email subject (LSIYY)**:

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We regret that only shortlisted candidates will be notified.