Post-doctoral Fellow / Research Associate

Job Reference Number: C2i107P1

Company Overview

The Centre for Immunology & Infection (C2i) is a premier research institute focused on advancing biomarker discovery and the development of next-generation vaccines and therapeutic strategies. Founded through a strategic partnership of over 20 years between the LKS Faculty of Medicine at the University of Hong Kong (HKUMed) and the Institut Pasteur in Paris, C2i integrates world-class expertise in biomedical science to drive innovation in public health.

C2i is dedicated to addressing critical global and local health challenges through cutting-edge technology platforms, with a strong emphasis on translational research and commercial impact. **A key initiative includes the establishment of a foundational model of the immune system to enable AI-driven biomarker discovery and drug development.**

Post-doctoral Fellow / Research Associate (C2i107P1)

Applications are invited for appointment as **Post-doctoral Fellow / Research Associate in the Program 1 of Centre of Immunology & Infectio**n to commence as soon as possible on a one-year temporary basis or two-year fixed-term basis, with the possibility of renewal subject to satisfactory performance and mutual agreement. The successful candidate will contribute to cutting-edge projects involving multi-omics big data analysis, with a focus on immunology, genomics, and translational biomedical research.

Requirements:

- A Ph.D. or M.Phil. (by research) in Biomedical Sciences, Immunology, Genomic Studies, Biochemistry, or a related discipline.
- Experience in applying biostatistical models to multi-omics datasets (e.g., genomics, transcriptomics, proteomics, metabolomics) is highly desirable.
- Strong analytical and problem-solving skills.
- Proficiency in R, Python, AI platform integration or other statistical programming languages is an advantage.
- Experience with high-throughput data analysis (e.g., NGS, Genotyping).
- Familiarity with data integration techniques across omics layers.
- Proficiency in data visualization and interpretation.
- Excellent communication and teamwork skills.
- Self-motivated, responsible, and capable of working both independently and

collaboratively in a multidisciplinary team.

Responsibilities:

- Conduct integrative analysis of multi-omics datasets to identify biomarkers and therapeutic targets.
- Develop and apply statistical and computational models to large-scale biological data.
- Collaborate with experimental scientists to interpret findings and validate results.
- Prepare manuscripts, reports, and presentations for internal and external stakeholders.

This position offers an excellent opportunity to work in a collaborative and innovative environment with access to state-of-the-art facilities and international research networks. Applicants should submit their up-to-date C.V. quoting the job reference number, current/expected remuneration and availability, to **jobs@c2i.hk**. Review of applications will start as soon as possible and continue until the post is filled.

We are an equal opportunities employer and welcomes applications from all qualified candidates. The personal data provided in your application process will be kept confidential and only will be used for recruitment and other employment-related purposes. The personal data may be transferred and disclosed to and used by HKU Innovation Holdings Limited and The University of Hong Kong for the above purposes.