

## POSTDOCTORAL POSITION IN BIOINFORMATICS

### Laboratory of Professor Gane Ka-Shu Wong

Bioinformatics expert to work closely with medical doctors in the design, execution, analysis and publication of various studies involving large-scale DNA/RNA sequence data.

Successful candidates must have a PhD in bioinformatics or equivalent, and be experienced in computational analyses of genomic, transcriptomic, metagenomic and metatranscriptomic data generated by massively parallel sequencing platforms like Illumina, MGI, PacBio, Oxford, etc. Aside from a deep understanding of algorithms in common use for DNA/RNA sequence analysis, successful candidates must possess biological knowledge (or be willing and able to quickly learn) in disparate fields like immunology, virology, bacteriology, cancer progression, metabolism, etc. Candidates narrowly focused on one field need not apply.

Research areas of interest currently include (but are not limited to) superantigen effects in clinical samples from patients with diseases of suspected infectious etiology, mechanism of action for fecal microbial transplantation in a variety of gastroenterology indications, genetic heterogeneity in cancer progression and metastasis based on longitudinal studies across multiple bodily sites, identification of causative mutations for rare phenotypes found in unrelated individuals, bioactivity of small cysteine-rich peptides.

Successful candidates should be able to do more than just utilize the existing algorithms. He/she may also be required to develop novel algorithms, as biologically-driven needs arise and opportunities for innovative software become clear. In this context, he/she will be encouraged to apply for grants.

**To Apply** forward CV and contact for 3 references to:

Contact name: Gane Ka-Shu Wong  
Address: 7-142 Katz Group Centre for Pharmacy and Health Research  
E-mail address: gane@ualberta.ca  
T: 780 492-8663 (+1 outside Canada)

**Closing date:**

This position will be open until filled.

**We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.**

*The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.*