JOB POSTING
Postdoctoral Associate

About Western

Western ranks as one of Canada's top research-intensive universities. From fundamental to applied discovery and other scholarly activities, its scholars advance knowledge that provides tangible benefits for the economic, social, health and cultural development of citizens in London, in Canada and around the world. Western Research supports scholars through collaboration, communication, and service. Western University and its affiliate colleges received more than $267 million in research funding over the past year.

About the Role

The Hu lab in the Department of Biochemistry and Department of Computer Science in Schulich School of Medicine & Dentistry at Western University is recruiting two postdoctoral Associates in artificial intelligence for health data science/bioinformatics. Dr. Hu is a Canada Research Chair in Computational Approaches to Health Research and has excellent experience in mentoring trainees at different levels. Many of his trainees have received international and national awards, were accepted into top graduate schools (like Oxford, Cambridge, UCLA, CMU, Toronto, UBC, McGill), are employed in high-tech companies (like Google, Microsoft, Amazon), and landed tenure-track professor positions in Canada.

The successful candidates are expected to join an interdisciplinary team to develop innovative deep learning algorithms to analyze multimodal data in one or two of the four areas: medical imaging analysis, genomic data integration, single cell RNA-seq and spatial transcriptomics, and drug design and discovery. The candidates will have the opportunities to supervise graduate and undergraduate students and contribute to the grant proposal preparation and writing process.

The potential candidates should have: (1) PhD degree in quantitative sciences (statistics, mathematics, machine learning, computer engineering, bioinformatics, etc); Proficient in using different deep learning architectures; (3) Demonstrate ability to develop and publish new deep learning algorithms and applications on top AI conferences and/or high-impact journals.

The positions are available immediately, which are initially for one year with the possibility to extend for an additional 2-3 years, subject to available funding and performance. The salary range will be $55,000 – $65,000/year with additional benefits. The salary will be commensurate with qualification and experience.

Individuals interested in this position should submit a cover letter clearly indicating their research interest and experience in one or multiple of the research areas, a curriculum vitae, and copies of 2 scientific papers. Applicants should include names and e-mail addresses of two potential referees and indicate the date they will be available to begin. All application materials must be submitted as PDFs in a single email to Dr. Pingzhao Hu (phu49@uwo.ca). Review of applications will begin immediately and continue until the position is filled. We appreciate all who express interests in this position, only those candidates short listed for interview will be contacted.