



**(Senior or junior) Postdoc positions on MRI data acquisition and structural and functional connectivity modeling at the University Health Network in Toronto, Canada (Dr. Kamil Uludag)**

The University Health Network (Toronto, Canada) has two postdoc positions in the newly formed group of Dr. Kamil Uludag (<https://www.uhnresearch.ca/researcher/kamil-uludag>). The project entails utilizing existing MRI databases but also acquisition of new data on **3 and 7 Tesla human MRI scanners**. The positions are initially for 2 years and extensions are possible after performance review. The main goals of the projects are to **develop novel connectivity analysis methods** of task-based and resting-state fMRI data and relate patterns of connectivity to structural MRI data and behavioral measures. Importantly, single subject cognitive neuroscience will be combined with novel artificial intelligence methods. The ideal candidate has extensive experience in functional and structural brain imaging and connectivity analysis.

The University Health Network (UHN) encompasses Toronto General Hospital, Toronto Western Hospital, Princess Margaret Cancer Centre, Toronto Rehabilitation Institute and the Michener Institute of Education at UHN. The breadth of research, the complexity of the cases treated, and the magnitude of its educational enterprise has made UHN a national and international resource for patient care, research and education. UHN is a research hospital affiliated with the University of Toronto and a member of the Toronto Academic Health Science Network. Research across UHN's five research institutes spans the full spectrum of diseases and disciplines, including cancer, cardiovascular sciences, transplantation, neural and sensory sciences, musculoskeletal health, rehabilitation sciences, and community and population health. UHN is Canada's largest research teaching hospital, brings together over 16,000 employees, more than 1,200 physicians, 8,000+ students, and many volunteers. UHN is a respectful, caring, and inclusive workplace. We are committed to championing accessibility, diversity and equal opportunity.

Please send CV, motivation letter, and names of two referees Dr. Kamil Uludag (email: [kamil.uludag@rmp.uhn.ca](mailto:kamil.uludag@rmp.uhn.ca)). The positions are open until a suitable candidates have been found.