

IMAGE-GUIDED INTERVENTIONS
Limited Term Faculty Position (Assistant Professor)

Department of Medical Biophysics
Robarts Research Institute
Schulich School of Medicine and Dentistry
Western University

The Department of Medical Biophysics, within the Schulich School of Medicine and Dentistry, and the Robarts Research Institute, invite applications for a full-time Limited Term, research-intensive faculty position at the rank of Assistant Professor, to begin as early as September 1, 2022. The initial appointment will be up to 5 years with the possibility of renewal (which may lead to a permanent faculty position).

The successful candidate should have a growing profile of research in advanced imaging and image-guided intervention and will be expected to lead an independent, interdisciplinary, and highly competitive research program. The successful program will attract excellent trainees, significant external research support, and foster collaborative partnerships across the University as well as the city-wide hospitals and research institutes. The optimal candidate will have demonstrated experience in key areas of medical image processing/analysis (MRI, ultrasound, CT, PET, fluoroscopy, optical, etc.) as well as artificial intelligence/machine learning. Previous experience in surgical simulation, mechatronics, and robotics is considered desirable.

The Schulich School of Medicine and Dentistry fosters an interdisciplinary approach to biomedical research that is enabled by state-of-the-art imaging facilities, technologically advanced core laboratories, and a common mission to innovate, integrate and translate breakthrough medical imaging technology. The candidate will join an internationally recognized collegial and vibrant research intensive environment at the Robarts Research Institute and will be embedded with approximately twenty scientists and 80 trainees focused on imaging development and applications including in image-guided interventions. In addition to a rich, city-wide research environment, the applicant will have access to outstanding clinical and preclinical resources at Robarts that includes an array of state-of-the-art imaging, visualization, tracking, 3D printing and surgical tools, as well as a new experimental operating suite equipped with cone-beam CT, a research wide-volume CT, surgical robotics, a research angio suite with cone-beam CT, and state-of-the art microscopic systems. The position provides excellent opportunities to build on established collaborations in basic science and clinical departments including Biomedical Engineering, Computer Science, Medical Imaging, Oncology, and Cardiac, Thoracic, Abdominal, Orthopaedic and Neuro surgery.

Our departmental website (<http://www.schulich.uwo.ca/biophysics/>) describes the broader department's collaborative research-intensive environment involving over 100 graduate students from the University and its affiliated research institutes and hospitals across the city of London. The successful applicant may have opportunities for additional appointments in relevant basic science, clinical, and engineering departments.

Applicants must possess a PhD degree in one of the following areas: Medical Biophysics, Biomedical Engineering, Physics, Computer Science or a related discipline, from an accredited institution. The candidate must exhibit a strong record of peer-reviewed publications, with a high degree of potential for garnering independent research support and participating in translational research teams. The applicant, who will have fluent written and oral communication skills in English, must have demonstrated a potential for developing innovative approaches within a collaborative research environment and a minimum of three years of relevant

postdoctoral research experience. While this is a research-intensive position, the successful applicant should demonstrate enthusiasm for excellence in education as contributions to graduate and undergraduate education. Compensation for this position will be commensurate with qualifications and experience.

Western University is one of Canada's leading research-intensive universities, and Schulich Medicine & Dentistry has a long history of excellence in basic biomedical, applied, and clinical research. Western has a full range of academic and professional programs for over 37,000 undergraduate and graduate students (see <http://www.uwo.ca> to learn more). The university campus is in London, with a metropolitan census of approximately 530,000, located midway between Toronto and Detroit. London boasts an international airport, galleries, theatre, music and sporting events and is located close to several lakes and facilities for outdoor activities (www.goodmovelondon.ca). Western's Recruitment and Retention Office is available to assist in the transition of successful applicants and their families to the university and city.

Please send a detailed *curriculum vitae*, a statement of research objectives, the names of three referees, and the form available at: <http://www.uwo.ca/facultyrelations/faculty/Application-FullTime-Faculty-Position-Form.pdf> to:

Professor Jefferson Frisbee
Chair, Department of Medical Biophysics
c/o Ms. Faye Carr
Medical Sciences Building, MSB 407
Western University
London, Ontario Canada N6A 5C1
EMAIL: Faye.Slote@schulich.uwo.ca

Applications will be accepted until the position is filled. Review of applications will begin after June 1, 2022. Anticipated start date is September 1, 2022 or as negotiated.

Effective September 7, 2021, all employees and visitors to campus are required to comply with Western's [COVID-19 Vaccination Policy](#). Business Addresses: Western University, 1151 Richmond Street, N., London, Ontario N6A 5B8, www.uwo.ca

Positions are subject to budget approval. The University invites applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups, Indigenous peoples, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.

Accommodations are available for applicants with disabilities throughout the recruitment process. If you require accommodations for interviews or other meetings, please contact Ms. Faye Carr at Faye.Slote@schulich.uwo.ca ; phone 519-661-2111 ext. 86802.

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