

**PRECISION SURGICAL INTERVENTION
Limited Term Faculty Position (Assistant Professor)**

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

The Department of Medical Biophysics, within the Schulich School of Medicine & Dentistry, and the Robarts Research Institute, invites applications for a full-time Limited Term faculty position at the rank of Assistant Professor to begin on or after August 1, 2021. The initial appointment will be up to 5 years with the potential for renewal.

The successful candidate should have a growing profile of research in image-guided interventions and will be expected to lead and grow an independent, innovative, interdisciplinary, applications-oriented, research program that can attract excellent trainees, high levels of external research funding, and foster collaborative partnerships across the Schulich School of Medicine & Dentistry, University, and City-wide Hospitals and Research Institutes. The successful candidate will have practical experience in one or more areas related to image-guided intervention, including interventional imaging, surgical metrology, tracking technologies, computer vision, medical image analysis, surgical simulation, virtual and augmented reality, and systems integration. The successful candidate should also have a growing track record of: 1) supervising students in projects related to the above domains, 2) collaboration with clinicians and 3) developing and managing projects from concept to clinical application and commercialization.

The Schulich School of Medicine & 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 contribute to an internationally recognized program at Robarts Research Institute in image-guided interventions. In addition to a rich, city-wide research environment, the applicant will have access to 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 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 clinical departments including in Medical Imaging, Oncology, and Cardiac, Thoracic, Abdominal and Neuro surgery.

Applicants must possess a PhD degree in Biophysics, Physics, Biomedical Engineering, or a related discipline, from an accredited institution, and 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 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 have a demonstrated track record of excellent performance in education as contributions to graduate and undergraduate education are expected. Compensation for this position will be commensurate with qualifications and experience.

Our departmental website (<http://www.schulich.uwo.ca/biophysics/>) describes our collaborative research-intensive environment involving over 100 graduate students and 70 principal investigators from the University and its affiliated research institutes and hospitals across the city of London. The successful applicant will have opportunities for additional appointments in the Lawson Health Research Institute, the Biomedical Imaging Research Centre as well as the Biomedical Engineering Department and appropriate Clinical Departments.

Western 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> is included with your application to:

Professor Jefferson Frisbee
Chair, Department of Medical Biophysics
c/o Kathleen Mendelin
Medical Sciences Building, MSB 407
Western University
London, Ontario Canada N6A 5C1
FAX: (519) 661-2123
EMAIL: kathleen.mendelin@schulich.uwo.ca

Applications will be accepted until the position is filled. Review of applications will begin after July 1, 2021. Anticipated start date is October 1, 2021 or as negotiated.

Business Addresses: Western University, 1151 Richmond Street, N., London, Ontario N6A 5B8, www.uwo.ca

Positions are subject to budget approval. Applicants should have fluent written and oral communication skills in English. 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 Kathleen Mendelin at kathleen.mendelin@schulich.uwo.ca phone 519-661-2111 ext. 86788.

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