



**Canada Research Chair (CRC) Tier 1 in Molecular Imaging and Theranostics
Tenure Track Faculty Position (Associate or Full Professor)
Department of Medical Biophysics
Schulich School of Medicine and Dentistry
Western University**

The Schulich School of Medicine & Dentistry at The University of Western Ontario invites applications for a Tier 1 Canada Research Chair (CRC) in Molecular Imaging and Theranostics. The successful candidate will be appointed to a full-time tenured appointment at the rank of Associate or Full Professor. The rank will be commensurate with qualifications and experience and current rank at the time of hiring. The successful candidate will be appointed to the Department of Medical Biophysics, within the Schulich School of Medicine and Dentistry. The successful applicant may be considered for cross-appointments in other units at Western University, as applicable. The anticipated start date will be July 1, 2025, or as negotiated.

The successful candidate should have a substantial and increasing profile of research into the identification and creation of novel probes for multimodal imaging and therapeutics. The Chairholder will be expected to engage in active collaboration with colleagues at St. Joseph's Health Care London, London Health Sciences Centre and their affiliated hospital research institutes, leveraging the strong partnerships and shared expertise across organizations to build synergies that enhance research impact and innovation.

Expertise in conjugation of probes to macromolecules and/or nanoparticle manufacturing for advanced molecular imaging is highly desirable. Candidates with a research focus directed toward imaging or theranostic translational applications in neurobiology (including degenerative brain disease), cancer or infectious disease are preferred.

The successful candidate will be expected to lead an independent, competitive research program in multimodal molecular imaging and theranostics that will attract excellent trainees, strong external research support, and develop collaborative partnerships across the University and affiliated hospital partners and their respective research institutes. The position provides excellent opportunities to expand established collaborations in basic science and clinical departments including Biochemistry, Chemistry, Microbiology and Immunology, Medical Imaging, Medical Biophysics, Oncology, Clinical Neurological Sciences, and Biomedical Engineering.

In accordance with the criteria for a Tier 1 CRC appointment (www.chairs-chaieres.gc.ca) the successful candidate must be an outstanding and innovative world-class researcher who is recognized internationally as a leader in their field. The successful candidate will have a PhD or equivalent in a relevant discipline, and have demonstrated excellence in research, a record of significant external research funding, research impact, leadership in collaborative research environments, and high-quality training of graduate students and postdoctoral scholars. While this is a research-intensive position, the successful applicant should demonstrate enthusiasm for excellence in education as contributions to graduate and undergraduate education are valued. The successful candidate will demonstrate a knowledge of the importance of EDID principles in research, teaching and/or mentorship. Evidence of research leadership potential is required.

London, Ontario has a proud history as a leading destination for research in medical imaging and is home to several state-of-the-art research & core facilities that have been revitalized through recent major

investments. These include but are not limited to: a new Biomedical Research Facility for animal housing, an Animal Cognition and Behavioural Neuroscience Core, a Western Advanced Microscopy Core, a Translational Imaging Research Facility, and an Imaging Pathogens for Knowledge Translation (ImPaKT) Facility with Containment Level 2+ and 3 cell culture laboratories and animal housing. We have world-class facilities in genomics, proteomics and transcriptomics at the single cell level, flow cytometry, synthetic biology and molecular pathology. A partnership between GE Health Care and St. Joseph's Health Care has established a Centre of Excellence in Molecular Imaging and Theranostic which houses a Health Canada licensed Cyclotron and Radiopharmaceutical manufacturing facility, a new PET/CT Omni 2 Legend system with protected research time, Canada's first PET/MR, and a suite of preclinical imaging equipment for small and large animals. In addition, state-of-the-art clinical PET and basic science radiochemistry facilities are available at Victoria Hospital and Victoria Research Laboratories (at London Health Sciences Center). More information on facilities can be obtained at: https://www.schulich.uwo.ca/research/research_excellence/core_facilities.html and <https://lawsonimaging.ca/facilities>

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.

With annual research funding exceeding \$220 million, and an international reputation for success, Western ranks as one of Canada's top research-intensive universities. Our research excellence expands knowledge and drives discovery with real-world application. Western also provides an exceptional employment experience, offering competitive salaries, a wide range of employment opportunities, and one of Canada's most beautiful campuses.

This position includes a comprehensive benefits package. Further details can be accessed at: http://www.uwo.ca/hr/benefits/your_benefits/faculty.html. Western's Recruitment and Retention Office is available to assist in the transition of successful applicants and their families.

Western's campus is in London, Ontario, a city with a population of approximately 400,000, located midway between Toronto and Detroit. With an extensive park system, river valleys, tree-lined streets, and bicycle paths, London is known as the "Forest City". London has a reasonable cost-of-living and hosts an international airport, galleries, theatre, music, sporting events, and excellent restaurants.

With an enviable national reputation and an international profile that ranks among the top universities world-wide, Western pushes the boundaries of pedagogical and scholarly excellence while setting a national standard for a student experience that is second to none. Western is a founding member of Canada's U15, serves as a hub for more than 500 international research collaborations, and is recognized as one of Canada's Top 100 Employers. There are more than 38,000 students within Western's 11 Faculties and Schools and 2 affiliated University Colleges. Approximately 4,000 faculty and staff work in partnership to deliver 400+ specializations, majors, and minors, as well as innovative modular degree programs. For more information about Western's strategic priorities, visit [Western Strategic Plan](#) and [Indigenous Strategic Plan](#) and for information on Western's research areas please visit [Research Western](#).

The Schulich School of Medicine & Dentistry and Western University recognize that our commitment to equity, diversity and inclusion is central to the University's mandate as a research-intensive institution of higher learning and a community leader. Western understands that our pursuit of research excellence and our commitment to equity, diversity and inclusion are mutually supporting. As such, Western is committed to achieving and maintaining an equitable representation amongst our Canada Research Chair holders, as well as within Western's broader research enterprise.

Western University recognizes the potential impact that career interruptions can have on a candidate's record of research achievement. Potential candidates are encouraged to explain within their application the impact that career interruptions have had on their record, and to submit a full career or extended CV to a chairholder position in cases where they have had career interruptions.

Fully complete applications will be reviewed by a search committee and must include the following:

- A completed regular full-time faculty application form that can be found at the following link: (<https://www.uwo.ca/facultyrelations/pdf/full-time-application-form.pdf>).
- A cover letter addressing how your expertise fits this position and complements existing strengths at the Schulich School of Medicine & Dentistry, St. Joseph's Health Care London and the London Health Sciences Centre.
- A detailed curriculum vitae
- A plan identifying your proposed research program and most significant contributions to the field of molecular imaging and theranostics. In your statement, describe how your past contributions connect with your research plan and how your research plan connects to molecular imaging and theranostics at Western (up to five single-spaced pages, 1" margins and font size 12)
- A statement of your overall teaching and mentoring philosophies. This statement should include descriptions of past formal and informal mentorship experience and plans for mentorship and training at Western (up to two single-spaced pages, 1" margins, font size 12). If available, summaries of teaching evaluations should be provided in addition to these two pages.
- A statement on how your track record and plans create an equitable, diverse, and inclusive environment for research, teaching, and service (up to two single-spaced pages, 1" margins, font size 12)
- The names and email addresses of 3 academic referees. Referees will only be contacted for shortlisted applicants.

The application package should be assembled into a **single PDF document** for submission via email to:

Jefferson Frisbee, PhD
Chair, Department of Medical Biophysics
c/o Ms. Faye Carr
Medical Sciences Building, MSB 411a
Western University
London, Ontario Canada N6A 5C1
Email: faye.slote@schulich.uwo.ca

The successful candidate will be expected to apply for a Tier 1 Canada Research Chair in the first available competition after their appointment. Consideration of applications will begin on December 1, 2024 and will continue until the position is filled.

Positions are subject to budget approval. Applicants should have fluent written and oral communications 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 application and recruitment process. If you require accommodation for interviews or other meetings, please contact Ms Faye Carr at faye.slote@schulich.uwo.ca.

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