

**Computational Medical Physics
Tenure Track Faculty Position (Assistant Professor)
Departments of Medical Biophysics and Oncology
Schulich School of Medicine & Dentistry, Western University**

Appointment Type and Rank:	Full-time probationary tenure-track at the rank of Assistant Professor
Number of Positions:	1
Posting Date:	September 16, 2026
Closing Date to Apply:	Applications will be accepted until the position is filled. Review of applications will begin after October 16, 2026
Anticipated Start Date:	July 1, 2027 or as negotiated.

Position Profile:

The Schulich School of Medicine & Dentistry at The University of Western Ontario invites applications for a new member of faculty specializing in computational medical physics; research foci of interest include but are not limited to theranostics, artificial intelligence for medical imaging and image-guided therapy, quantitative and multimodal imaging, radiobiological modeling, computational radiation oncology and treatment optimization, and biophysical modeling and simulation for precision medicine. The successful candidate will be appointed to a full-time probationary tenure-track at the rank of Assistant Professor. The successful candidate will be primarily appointed to the Department of Medical Biophysics, with an additional appointment in the Department of Oncology, within the Schulich School of Medicine and Dentistry.

The candidate's research laboratory will be situated within the Gerald C. Baines Centre for Translational Cancer Research ("Baines Centre") at the Verspeeten Family Cancer Centre, at London Health Sciences Centre Victoria Hospital. The Baines Centre includes over 11,000 square feet dedicated to translational cancer research, with space dedicated to imaging and radiochemistry research, a clinical trials unit, and dedicated treatment space for patients on complex trials. The Verspeeten Family Cancer Centre comprises 20 clinical

medical physicists, and 21 radiation oncologists, with eight linear accelerators, one Varian Ethos adaptive radiotherapy system, one Accuray TomoTherapy system, two CT simulators, one MRI simulator, and HDR and LDR brachytherapy programs. It serves a population of 1.25 million, with 56,000 patient visits annually, providing the incumbent with ample infrastructure, patient population, and collaboration opportunities to support a vibrant research program.

Academic Expectations:

The successful candidate will be expected to lead an independent, competitive research program in computational medical physics that will attract excellent trainees, strong external research support, and develop extensive 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 (among others) Oncology, Medical Imaging, Medical Biophysics, Computer Science, and Biomedical Engineering. The incumbent's teaching will support Western University's well-respected CAMPEP MSc and PhD programs, which have outstanding success rates in securing competitive residency placements for graduates.

Qualifications or Experience and Skills Required:

The applicant must have fluent written and oral communication skills in English and hold a PhD (or equivalent) in a relevant field; e.g. medical physics, biophysics, biomedical engineering. While this is a research-intensive position, the successful applicant should demonstrate enthusiasm for excellence in education as contributions to graduate and undergraduate education, particularly in medical physics, 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 will be beneficial.

Compensation Details: The annual salary for this will be \$120,000 - \$140,000, commensurate with qualifications and experience. This position includes a comprehensive benefits package and a salary that is commensurate with qualifications and experience of the successful candidate. Further details can be accessed at:

http://www.uwo.ca/hr/benefits/your_benefits/faculty.html.

Affirmation Policy Statement

Western, like many postsecondary institutions in Canada, is moving beyond sole reliance upon Indigenous self-identification in its hiring processes. This is to safeguard against the use of incorrect, incomplete, or misleading information in circumstances in which a candidate has made a declaration of Indigenous citizenship or membership. Candidates who are invited for an interview or who are short-listed, and who have made a declaration of Indigenous citizenship or membership for material advantage at Western, including where required or preferred for the position, will be asked to have their declaration of Indigenous citizenship or membership affirmed through a relational accountability process, led by the Office of Indigenous Initiatives (OII), that is consistent with Indigenous ways of knowing, being, and doing. Please contact the OII directly for details on the affirmation processes: <https://indigenous.uwo.ca/>. The policy can be viewed at: [POLICY 1.58 - Affirming Declarations of Indigenous Citizenship or Membership at Western University](#).

Department: The Department of Medical Biophysics 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, population science, and engineering departments; as appropriate.

The Faculty: [The Schulich School of Medicine & Dentistry](#) is committed to providing excellent undergraduate and graduate education in the field of biomedical sciences, medicine and dentistry. Several components of the undergraduate curriculum in several of the School's programs will continue to be modernized and/or expanded in the coming years, introducing novel interdisciplinary and experiential opportunities for students and providing excellent opportunities to engage in scholarly activities accompanying the introduction of new curricula in various programs.

The University: With annual research funding exceeding \$300 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.

The City: 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.

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.

To Apply:

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, the Gerald C. Baines Center for Translational Cancer Research and the London Health Sciences Centre.
- A detailed curriculum vitae.
- A plan identifying your proposed research program. In your statement, describe how your past contributions connect with your research plan and how your research plan intersects with computational medical physics (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).
- A statement on how your record and plans create an equitable, diverse, and inclusive environment.



Please send completed application packages as a **single compiled PDF** to:

Charles McKenzie, PhD
Chair, Department of Medical Biophysics
Email: medbio@schulich.uwo.ca

Existing Vacancy Disclosure Statement: This is a newly created position.

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 recruitment process. If you require accommodations for interviews or other meetings, please contact Chelsea Johnson at chelsea.johnson@schulich.uwo.ca.

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