

**Two Assistant Professor Positions in Physics:  
Medical Physics and Experimental Condensed Matter Physics**

**Location:** University of Guelph, Guelph, ON, CA

**College:** College of Computational Mathematical and Physical Sciences

**Department:** Department of Physics

**Position Title / Rank:** Assistant Professor (2 positions)

Apply Now: [Assistant Professor in Medical Physics Job Details | University of Guelph Requisition ID: 2626](#)

Apply Now: [Assistant Professor in Experimental Condensed Matter Physics Job Details | University of Guelph Requisition ID: 2634](#)

**Position Description**

The Department of Physics at the University of Guelph invites applications for two tenure-track faculty positions at the Assistant Professor level: one in Medical Physics and one in Experimental Condensed Matter Physics. The anticipated start date for both appointments is a mutually agreed-upon date in 2027.

**Assistant Professor in Medical Physics**

The position in Medical Physics will be jointly funded for the initial six-year period by TRIUMF, Canada's national particle accelerator centre. We seek candidates who will complement the strong experimental research programs at the University of Guelph and TRIUMF and help lead collaborative efforts between the two institutions. All areas of the application of physics in medicine will be considered, but preference will be given to medical applications of nuclear physics and/or medical applications of accelerator physics. The successful candidate is expected to establish a vigorous, externally funded research program at **TRIUMF's Life Sciences Division**.

During the first six years of the appointment, the successful candidate will have reduced teaching assignments to accelerate the establishment of a vigorous collaborative research program at the University of Guelph and TRIUMF's Life Sciences Division.

**Assistant Professor in Experimental Condensed Matter Physics**

For the position in Experimental Condensed Matter Physics, we seek candidates whose research will complement and strengthen the University's existing experimental and theoretical programs in condensed matter and materials physics. The successful candidate will be expected to establish and maintain a vigorous, externally funded research program.

Both candidates are expected to establish an internationally recognized research programs and secure external funding from tri-council agencies (NSERC, SSHRC, CIHR) or similarly prestigious funding agencies. They will also be expected to supervise undergraduate and graduate student

researchers. Successful candidates will have a keen interest in undergraduate and graduate teaching and service to the Department, University, and broader scientific community.

### **Department of Physics**

The Department of Physics currently has 18 faculty members and 13 administrative, teaching, and technical staff, and offers strong undergraduate and graduate programs through to the Ph.D. level. Graduate education and research are further enhanced through participation in the Graduate Studies in Physics (GSP) program, jointly operated by the University of Guelph and the University of Waterloo, as well as the Biophysics Interdepartmental Group (BIG).

Our faculty members collaborate with a wide range of on-campus research facilities, including the [Electrochemical Technology Centre](#) and the [Advanced Analysis Centre](#), as well as at major external research institutions such as the [Canadian Light Source](#), the [Perimeter Institute for Theoretical Physics](#), and [TRIUMF](#). Experimental and theoretical research strengths include astrophysics and gravitation, biophysics, condensed matter physics and materials physics, nanoscience, physics education research, planetary surface exploration, and nuclear and subatomic physics. Additional information about the Department is available at [www.physics.uoguelph.ca](http://www.physics.uoguelph.ca).

### **Qualifications**

Candidates for the position in **Medical Physics** must have:

- A Ph.D. and postdoctoral experience in medical physics, experimental nuclear physics, particle physics, accelerator physics, or a closely related field.
- Demonstrated exceptional potential for independent, interdisciplinary research and student mentorship.
- Proven ability or demonstrated potential for teaching and enthusiasm for contributing to the Department's undergraduate and graduate teaching programs.

Candidates for the position in **Experimental Condensed Matter Physics** must have:

- A Ph.D. and postdoctoral experience in experimental condensed matter physics, materials physics, or a closely related field.
- Demonstrated exceptional potential for independent research, as well as excellence in student mentorship.
- Demonstrated or strong potential for teaching excellence, together with enthusiasm for contributing to the Department's undergraduate and graduate teaching programs.

### **University and Community**

The University of Guelph resides on the traditional lands and territory of the Anishinaabeg, Haudenosaunee and Huron Wendat. These lands are now home to a rich diversity of First Nations, Inuit and Métis people. We offer our respect and gratitude to our Indigenous neighbours and affirm our responsibility to realize our commitments to reconciliation through ongoing action. We are guided in this work by [Bi-Naagward | It Comes into View](#), the Indigenous Initiatives Strategy.

The University of Guelph is the third largest employer in Guelph, a city of over 144,000 people, located about an hour drive west of Toronto, Ontario. University of Guelph is a top-ranked comprehensive university in Canada with an enrolment of more than 30,000 undergraduate and graduate students across more than 40 academic units. The University is known for its commitment to student learning, innovative research, and collaboration with world-class partners. It is a unique place, with transformative research and teaching and a distinctive campus culture. People who

learn and work here are shaped and inspired by a shared purpose: *To Improve Life*. Reflecting that shared purpose in every experience connected to our university positions us to create positive change, here and around the world. Our University community shares a profound sense of social responsibility, a drive for international development, and an obligation to address global issues.

### **Application Process**

*If you are a current employee of the University of Guelph you must apply on the internal Career Page to be considered as an internal applicant. [SuccessFactors: Career Opportunities \(sapsf.com\)](https://careers.uoguelph.ca/)*

Assessment of applications will begin on **September 4, 2026**, and continue until the positions are filled. Interested applicants should create an account on <https://careers.uoguelph.ca/> and apply for the advertised faculty position (Requisition ID #2364 (Experimental Condensed Matter Physics) and ID #2626 (Medical Physics) by submitting the following materials (in an integrated Single PDF file). Candidates may apply for one or both positions and should clearly indicate in their cover letter the position or positions for which they wish to be considered.

**1. Cover letter (1 page):**

- Describe your background and interest in the position.
- Clearly identify the position or positions for which you wish to be considered.

**2. A curriculum vitae.**

**3. Proposed research program (4 pages maximum):**

- Detail your specific area of expertise, describing contributions to the field.
- Present a vision of your short- and long-term scholarship and research goals.
- Provide a detailed plan for your future independent research program and how this program might be leveraged to obtain external funding.
- Indicate how your research program will synergize with the Department's research environment and, for applicants to the Medical Physics position, with TRIUMF's research environment.

**4. Teaching statement (2 pages maximum):**

- Describe your overall teaching philosophy.
- Describe all previous formal and informal education training and experience and any experiences with experiential or work-integrated learning.
- Describe potential teaching contributions to the Department.

**5. Diversity statement (1 page maximum):**

- Describe your history of advocacy and commitment to equity, diversity and inclusion in teaching, scholarship, research, and mentorship.
- Describe strategies to ensure your scholarship, research, teaching, and mentorship activities will provide equitable opportunities for students from diverse equity-seeking groups and foster a welcoming and inclusive environment.

**6. Contact information for three references:**

- Shortlisted applicants will be required to arrange for three confidential letters of reference to be sent to a separate address.

Applications should be addressed to:

**Dr. Stefan Kycia, Chair**

Department of Physics

College of Computational, Mathematical and Physical Sciences

University of Guelph  
Guelph, ON N1G 2W1

Questions about the positions and/or application process may be addressed to Rachel Baker, Administrative Officer, at [physadmin@uoguelph.ca](mailto:physadmin@uoguelph.ca). Only applications made through the official University of Guelph career page will be considered.

**Date Posted:** July 13, 2026

**Deadline:** September 4, 2026 or until suitable candidates are found.

This position is represented by the University of Guelph Faculty Association ([UGFA](#)).

The University of Guelph commits to fostering inclusive excellence through promoting Indigenization, equity, diversity, inclusion, and accessibility. Inclusion is a core pillar of [Our Time](#), our strategic plan, which pledges to “transform our human resources, governance and student services and practices across the University to enable us to recruit a diverse student, faculty and staff body and support them in achieving their personal, professional and scholarly goals.” The University commits to creating and maintaining “equitable work environments that empower us in our pursuit of student, faculty and staff success, research excellence, innovation and impact.”

The University of Guelph invites applications from all qualified individuals; however, Canadians and permanent residents will be given priority. We strongly welcome and encourage applications from members of designated groups in employment, including Indigenous persons, persons with disabilities, racialized persons, women, and 2SLGBTQIA+ persons.

The University of Guelph recognizes that career paths can be diverse and career interruptions may occur. We encourage applicants to note in their applications whether they would like considerations given to the impact of any circumstances, such as (but not limited to) those due to health and/or family reasons, that may have affected an applicant’s record of achievement. You are not required to disclose these circumstances in the hiring process. If you choose to do so, the University will ensure that these circumstances do not negatively impact the assessment of your qualifications for the position.

The University of Guelph is committed to ensuring all applicants have fair and equitable participation in the hiring process. If you anticipate needing medical accommodations during the recruitment or selection processes, confidential assistance is available on request by contacting The University of Guelph is committed to ensuring all applicants have fair and equitable participation in the hiring process. If you anticipate needing medical accommodations during the recruitment or selection processes, confidential assistance is available on request by contacting Occupational Health and Wellness at 519-824-4120 x52674. If you have any questions regarding accommodations or accessibility during the hiring process or for more information and support, please visit the University’s [Occupational Health and Wellness](#) or contact OHW at [ohw@uoguelph.ca](mailto:ohw@uoguelph.ca).