

# Postdoctoral Fellowship

## Multivariate Methods for Complex and Heterogeneous Data

The Department of Mathematics and Statistics at the University of Guelph invites applications for a Postdoctoral Fellow specializing in multivariate statistical methods. This role focuses on addressing the challenges of complex, heterogeneous data within the One Health framework.

The successful candidate will join the research group of Dr. Elif Acar, contributing to the development of advanced statistical frameworks and computational tools for analyzing high-dimensional biological and environmental data. The position will specifically focus on:

- Development of multivariate models for mixed data types and dependence structures.
- Integrative analysis of correlated phenotypes in studies of model organisms.
- Interdisciplinary collaboration in biological and environmental sciences.

### Appointment Details

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<b>Principal Investigator</b>	Dr. Elif Acar
<b>Duration</b>	1 Year (Renewable based on performance)
<b>Salary</b>	Minimum \$55,000 / year + benefits
<b>Start Date</b>	September 1, 2026 (Negotiable)

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### Qualifications

- A PhD in Statistics, Biostatistics, or a related field (completed by December 31, 2026).
- A strong foundation in multivariate analysis and statistical computation.
- Proficiency in software development in R/Python.
- Experience with high-dimensional mixed data types or integrative methodologies is desirable.

### Application Instructions

Please submit the following materials to [ecar@uoguelph.ca](mailto:ecar@uoguelph.ca) with the subject line “Postdoc Application”:

1. **Cover Letter**
2. **Curriculum Vitae**
3. **Research Statement** (max 2 pages)
4. **References:** Contact information for three academic referees.

Review of applications will begin immediately and continue until the position is filled.

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*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.*