

**Job title:** Post-Doctoral Scholar in Nanoparticle Encapsulated RNAi Technology

**Job description:** A two-year post-doctoral scholar position is available in the Department of Plant Agriculture at the University of Guelph (with possible extension). The successful candidate will develop and evaluate encapsulated RNAi as a biocontrol method for controlling devastating plant pests and pathogens with emphasis on *Fusarium* spp.

The successful candidate will design and perform experiments, keep detailed records, analyze, and synthesize data, present results at local and national meetings, and prepare manuscripts for publication. The position offers opportunities to engage with stakeholders and collaborate with multiple research groups within southern Ontario and other universities. Salary is commensurate with experience.

**Job Duties:**

- (70%) Research: design/perform experiments, keep detailed records, analyze/synthesize data
- (15%) Publication and presentation of data: present results at local and national meetings, and prepare manuscripts for publication.
- (10%) Work with students and provide mentorship within the research team.
- (5%) Career Development

**Required Qualifications:**

Ph.D. in a Life Sciences field or related discipline such as genetics, biochemistry, molecular biology, plant pathology, evolutionary biology, genomics, or bioinformatics.

**Preferred Qualifications:**

- Molecular biology wet lab skills, especially nucleic acid extraction/purification, qPCR, cloning and sequencing.
- Statistical analysis and interpretation of molecular and/or genomic data sets.
- Strong analytical skills and proven technical writing and presentation skills.
- Published record of quality research in the relevant fields.
- Work with filamentous fungi, particularly in the field of plant-microbe interactions.
- Valid Ontario G Drivers licence (or ability to get one within first month of hire).
- Willingness to work as part of a diverse team of researchers, scientists, and stakeholders.

**How To Apply**

This position requires that the application be submitted as a single PDF file with "RNAi Biocontrol PDS" as the subject heading.

Include the following in the application:

- A brief cover letter highlighting experience/interest relating to the position.
- CV with three references
- An example of peer reviewed publication (optional – submit one only)

Email applications to Dr. Melanie Kalischuk (mkalisch@uoguelph.ca)

Closing date: midnight on September 30, 2023.