

**Post date:** November 18, 2024

**Position:** Postdoctoral Researcher (PDF) on Indoor Microbial Quantification

**Start Date:** February 1, 2025, or as soon as filled

**Duration:** One year, renewable for second year

**Primary Location:** University of Toronto, Department of Civil & Mineral Engineering, St. George Campus

**Additional Location(s):** Local fieldwork in Toronto. Potential for international

**Salary:** 60-65K + benefits. For details see employee PDF information here

<https://postdoc.sgs.utoronto.ca/>

## **Description**

The goal of this position is to support ongoing indoor microbiome and microbiology research through engagement with a variety of projects on portable air cleaners, filter forensics, and indoor microbial sampling. There is also a substantial component of microbiology and aerosol science lab support (equipment, students, etc.).

## **Position Requirements**

The applicants need to have a completed doctoral degree with a specialization in microbiology and a strong emphasis on aerosol science, building science, indoor air quality, and/or other closely-related subject areas. The applicants for this position should demonstrate their ability to:

- Conceptualize and execute research on indoor microbiology, aerosol science and ventilation/filtration,
- Conduct indoor microbial sampling,
- Develop and utilize qPCR and dPCR technology and approaches,
- Develop and follow experimental and data analysis protocols that are responsive to data quality, security, documentation, and preservation requirements,
- Author high-impact journal articles and/or reports in related technical areas,
- Work independently and as part of a highly diverse community with students, faculty, and collaborators from varied backgrounds and a variety of age groups,
- Demonstrate evidence of a commitment to equity, diversity, inclusion, and the promotion of a respectful and collegial, comfortable, and safe learning and working environment.

## **Desirable Qualities**

The ideal applicant for this position would further demonstrate:

- Lab management experience,
- Knowledge of aerosol science, building science and building systems, indoor air quality and ventilation air exchange measurement tools and approaches, and
- Knowledge of human subjects/research ethics protocols and conducting surveys.

### **Application Procedure**

Submit a **maximum 2-page Cover Letter and a CV** to the following email addresses [jeffrey.siegel@utoronto.ca](mailto:jeffrey.siegel@utoronto.ca) and [s.haines@utoronto.ca](mailto:s.haines@utoronto.ca) with the subject line “*PDF position on indoor microbiology*”. Either your cover letter or your CV should indicate three references/contact information who can comment on your record with regards to the position requirements and desirable qualities. No content in the body of the message (other than the two attachments) will be considered. Please do not submit additional attachments (e.g., reference letters, transcripts, sample articles).

Application Deadline: Applications will start being reviewed December 1<sup>st</sup> and will be considered until the position is filled.

### ***Diversity Statement***

*The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.*

### ***Accessibility Statement***

*The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission.*

*The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment, and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities. If you require any accommodations at any point during the application and hiring process, please contact [uoft.careers@utoronto.ca](mailto:uoft.careers@utoronto.ca).*

*All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.*