

**Institute of Parasitology**

McGill University  
Macdonald Campus  
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Ste-Anne-de-Bellevue  
Quebec, Canada, H9X 3V9

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**Position Announcement: Tenure-Track Assistant Professor in One Health**

The Institute of Parasitology (IoP) at McGill University (<http://www.mcgill.ca/parasitology/>) invites applications for a tenure-track Assistant Professor position in One Health, focusing on host-parasite interactions, including zoonotic and vector-borne diseases, and their implications for global health challenges. We seek an innovative and driven researcher with a Ph.D. or equivalent to join our multidisciplinary team, advancing McGill's Strategic Research Priorities by addressing parasitic diseases at the intersection of human, animal, and environmental health.

***Position Description.***

The successful candidate will establish a high-impact, externally funded, laboratory-based research program investigating host-parasite dynamics within the One Health framework. The program will address critical health challenges by leveraging cutting-edge technologies, such as artificial intelligence (AI) and RNA therapeutics, to drive discoveries in host-parasite interactions, zoonotic and vector-borne diseases, and disease prevention strategies.

Research areas of interest include, but are not limited to:

- Parasite-derived molecules as targets for drug, diagnostic, and vaccine development
- Mechanisms of host-pathogen interactions at the molecular and cellular levels, with applications to zoonotic and vector-borne diseases.

The successful candidate will contribute to One Health-focused education and training by mentoring students and fostering interdisciplinary collaborations. As part of McGill's NSERC CREATE One Health Against Pathogens (OHAP) program, they will help prepare the next generation of scientists to address complex infectious disease challenges. Additionally, the appointee will contribute to undergraduate and graduate teaching within the Faculty of Agricultural and Environmental Sciences ([www.mcgill.ca/macdonald](http://www.mcgill.ca/macdonald)), with responsibilities that may include developing and delivering courses such as:

- Introduction to One Health
- Zoonotic Pathogens
- Vector-Borne Pathogens

**Employee Type:** Tenure-Track (Academic Tenure Stream)

**Rank:** Assistant Professor

**Salary:** Salary will be commensurate with qualifications and experience

**Job Status:** Full-time

**Posting Period:** Please submit your application by March 1, 2025.

### **Qualifications**

- Ph.D. or equivalent in Parasitology, Molecular Biology, or a related field.
- Proven record of excellence in research on host-parasite interactions.
- Demonstrated success in securing research funding and publishing impactful scholarly work.
- Committed to interdisciplinary research, training, and teaching within a One Health framework.

Applicants with expertise in zoonotic protozoan or helminth infections, drug discovery, vaccine development, or AI-driven approaches to infectious diseases are particularly encouraged to apply.

### **McGill University and the IoP**

The IoP is internationally recognized for its leadership in host-parasite research, with a vibrant and collaborative community committed to equity, diversity, and inclusion. Located on McGill's Macdonald Campus in Ste-Anne-de-Bellevue, Quebec, the Institute provides state-of-the-art facilities, including high-throughput omics platforms, advanced imaging technologies, and computational resources for AI-driven research.

Our research spans several critical themes, including:

- Analysis of host-parasite interactions from immunological, nutritional, and biochemical perspectives, vaccine development, and antigen or nucleic acid-based diagnostic assays.
- Drug discovery and RNA therapeutic development.
- Mechanisms of antiparasitic drug resistance.
- Neurobiology and neuropharmacology of helminths.
- Molecular and cellular biology of parasites.

McGill is a world-renowned top-ranked research-intensive university in Montreal, Quebec, operating in a bilingual environment. While English is the primary language of instruction, McGill is committed to supporting candidates in achieving French proficiency to foster an inclusive community.

### **Application Process**

Applicants must submit the following documents via McGill Workday by March 1, 2025:

- Cover letter detailing research and teaching experience, including experience teaching and mentoring students from underrepresented groups.
- Curriculum vitae.
- Statement of research plans that include methods embedding Gender-Based Analysis Plus (GBA+) and/or EDI approaches and a commitment to knowledge translation beyond the academy.
- Teaching philosophy statement highlighting inclusive pedagogy design and delivery.

- Contact information for three referees.

### ***Equity, Diversity, and Inclusion***

McGill University is dedicated to fostering a diverse and inclusive academic community. We strongly encourage applications from individuals from underrepresented groups, including but not limited to racialized persons, women, Indigenous peoples, ethnic minorities, persons with disabilities, and individuals of diverse gender identities and sexual orientations.

Join us in advancing the frontiers of knowledge in One Health and host-parasite interactions to address pressing global health challenges.

Apply now to shape the future of parasitology and One Health research at McGill University!

**Use a personal email address when creating an account in Workday to submit your application. Do not use @mail.mcgill.ca or @mcgill.ca email accounts to apply.**

**Applications must be submitted online at:**

[https://mcgill.wd3.myworkdayjobs.com/McGill\\_Careers/job/Parasitology-Bldg/Assistant-Professor---One-Health-Against-Pathogens\\_JR0000061783](https://mcgill.wd3.myworkdayjobs.com/McGill_Careers/job/Parasitology-Bldg/Assistant-Professor---One-Health-Against-Pathogens_JR0000061783)

*McGill University is committed to equity and diversity within its community and values academic rigour and excellence. We welcome and encourage applications from racialized persons/visible minorities, women, Indigenous persons, persons with disabilities, ethnic minorities, and persons of minority sexual orientations and gender identities, as well as from all qualified candidates with the skills and knowledge to engage productively with diverse communities.*

*At McGill, research that reflects diverse intellectual traditions, methodologies, and modes of dissemination and translation is valued and encouraged. Candidates are invited to demonstrate their research impact both within and across academic disciplines and in other sectors, such as government, communities, or industry.*

*McGill further recognizes and fairly considers the impact of leaves (e.g., family care or health-related) that may contribute to career interruptions or slowdowns. Candidates are encouraged to signal any leave that affected productivity, or that may have had an effect on their career path. This information will be considered to ensure the equitable assessment of the candidate's record.*

*McGill implements an employment equity program and encourages members of designated equity groups to self-identify. It further seeks to ensure the equitable treatment and full inclusion of persons with disabilities by striving for the implementation of universal design principles transversally, across all facets of the University community, and through accommodation policies and procedures. Persons with disabilities who anticipate needing accommodations for any part of the application process may contact, in confidence, [accessibilityrequest.hr@mcgill.ca](mailto:accessibilityrequest.hr@mcgill.ca).*

*All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.*