Postdoctoral Fellow in Tuberculosis Host-Pathogen Interactions

Trudeau Institute, an internationally acclaimed, path-breaking research institute focused on addressing the continuing burden of infectious disease, has an immediate opening for a Postdoctoral Fellow and/or Research Specialist. The Institute has recently expanded to develop the Trudeau Research Network, consisting of productive, collaborative and strategic inter-disciplinary partnerships, including New York State, biomedical research institutions, foundations, and biopharma/biotech, with Trudeau as a hub. The Network features PhD & MD-led teams engaging in multi-disciplinary pre-clinical and translational research devoted to translating the advances of basic science into new strategies to meet today’s urgent global health challenges.

As a part of our new tuberculosis research program, we are recruiting an innovative cell biologist and/or pathway discovery biologist to take on projects focused on opportunities for therapeutic intervention in the control of intracellular tuberculosis infection. The successful candidate will deploy a thorough understanding of the role of innate immunity in clearance of the pathogen by the macrophage. Critical for success is the focus on mechanisms and determinants, capable of being targeted, that control the balance of \textit{Mtb} survival vs. elimination under realistic \textit{ex vivo} and \textit{in vivo} conditions. The Institute is ideally suited for this program with capacious animal facilities, including ABSL-3, maintained by experienced staff, and well equipped with advanced microscopy and flow cytometry instrumentation.

We seek creative, experienced candidates with expertise in the interaction of intracellular bacterial pathogens with the host. The successful candidate will join a group within the Trudeau Research Network, working in a highly collaborative, grant proposal and contract preparation, networking, and presentation of results at meetings and in publications.

**Qualifications:** PhD with evidence of significant leadership skills and productivity and/or M.S. degree required. The candidate should also have academic or industry experience demonstrating successful contributions and achievements within professional multi-disciplinary research team environments.

- Excellent written and oral communication skills and command of the scientific literature; ability to network and establish new contacts

- Expertise in cellular and molecular approaches to host control mechanisms in intracellular bacterial infections, in phagocyte biology, and \textit{in vivo} mechanistic pharmacology

- Experience in quantitative imaging techniques and employing high-throughput functional genomic screens, experience with pre-clinical animal models and in partnering with clinical research is desirable

Trudeau Institute is located in an affordable, small town environment in the midst of the beautiful Adirondack Mountains in New York State. On-campus housing situated on a recreational lake is available.

We offer competitive salaries along with a robust benefits package (including health, dental, life and long term disability insurance and a generous employer retirement contribution). The Institute is an equal opportunity/affirmative action employer encouraging women, individuals with disabilities, minorities and veterans to apply.

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