

# Post-Doctoral Research Fellowship on Bacteriology in Low Resource Settings

J.D. MacLean Centre for Tropical Medicine, McGill University

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**Updated 2020-07-14**

## **Background:**

McGill University is one of the leading public research institutions in the world. With students coming to McGill from over 150 countries, our student body is the most internationally diverse of any research-intensive university in the country. The [J.D. MacLean Centre for Tropical Diseases](#) is a world-renowned centre of expertise, research, and training in Clinical Tropical Medicine and is the largest of its kind in North America. One of the Centre's pillars of activity is a focus on controlling bacterial infections in tropical and low resource settings. This reflects the fact that the global antimicrobial resistance (AMR) crisis is now most acute in the low resource settings that can least afford it, such as sub-Saharan Africa. Our team has a strong track record of successful research interventions in bacteriology and antimicrobial resistance and currently leads several projects funded by CIHR, Joint Program Initiative (JPI)-AMR, and the McGill Interdisciplinary Initiative in Infection and Immunity (MI4) among others.

## **Responsibilities:**

Under the supervision of Drs Makeda Semret and Cedric Yansouni, you will be primarily responsible for advancing or scaling up one of the Centre's research lines on diagnostics for the containment of antimicrobial resistance in low-resource settings. This will include (but not be limited to) selecting, designing and optimising context-appropriate standard operating procedures; training laboratorians and residents in infectious diseases, and implementing quality-assurance for microbiologic testing. You will contribute to a functioning research platform and will answer research questions surrounding this implementation activity, such as the impact of training techniques, the added value of new diagnostic tools, and the evaluation of approaches to outbreak response.

## **Applicant profile:**

You hold an MD or PhD degree and are trained in Medical Microbiology (or equivalent). You are aiming for an academic career in infectious diseases research. You are creative and have good conceptual, analytical and scientific writing skills. You speak and write fluently in English. Strong knowledge of French and relevant languages (Spanish, Portuguese) is an asset. You have the flexibility to travel on a regular basis for short missions to low-resource settings. You are a team player who can build strong multi-disciplinary, cross-cultural working relationships. You are highly adaptable to different situations and settings. You are organised, quality driven, and results-oriented. Relevant field experience in low-resource settings is an asset. Applicants from all nationalities are invited.

**Setting:**

Applicants will be based at the J.D. MacLean Centre for Tropical Diseases at McGill University in Montreal. Research affiliations will be via the Research Institute of the McGill University Health Centre (RI-MUHC). A total of 20-24 weeks per year are expected to be spent in Africa\*.

*\*The feasibility of travel for this position will be reassessed frequently in the setting of the COVID-19 pandemic. Alternatives to travel will be devised if required.*

**Duration of the position:** 2 years, renewable

**Remuneration:** CAD\$ 60,000 per year for two years, plus benefits

**Start Date:** January 2021 or upon agreement.

**Location:** Montreal, Canada (*negotiable in the setting of the COVID-19 pandemic*)

**Percentage:** Full time.

**Contact**

Interested applicants may contact [Cedric Yansouni](#) or [Makeda Semret](#) with your CV and motivational letter. Applications will be reviewed on an ongoing basis.

Please lend your voice to the declaration below by clicking on the link and adding your name and affiliation: [Montreal Declaration on Clinical Bacteriology Diagnostics for Antimicrobial Resistance](#)