



Department of Chemical Engineering

FUNDED POSTDOCTORAL FELLOWSHIP in MICROBIOLOGY / ANTIMICROBIAL RESISTANCE

www.biocolloid.mcgill.ca

Job Description

The Biocolloids Laboratory at McGill University (www.biocolloid.mcgill.ca) is looking for a highly talented postdoctoral researcher to contribute to our research on the antimicrobial synergy of natural extracts and the antimicrobial properties of nanoengineered materials.

Research in the group includes projects on the discovery of natural antimicrobial agents, the development of antimicrobial materials, and the antibiotic synergies of natural extracts. The Biocolloids Laboratory is within the Department of Chemical Engineering at McGill University and our researchers have access to numerous state-of-the-art facilities on and off campus (e.g., an animal care facility, an advanced imaging facility, molecular analyses center, etc).

This position is funded through a research grant and may have a duration of up to 2 years contingent upon satisfactory performance and continued funding.

Qualifications and Experience

We seek a candidate with expertise in one or more of the following areas: (1) microbiology; (2) molecular biology; (3) advanced materials. The ideal candidate is highly motivated, passionate about research in the biological sciences and is keen to work in a collaborative environment. Familiarity with advanced microscopy techniques would be an asset. The candidate must have excellent oral and written communication skills and a track record of accomplishments in microbiology-related research. The successful candidate will be expected to conduct independent research and collaborate with other team members, to write manuscripts for submission to high-impact scientific journals, to mentor graduate and undergraduate students in their research work and manuscript preparation, and to maintain selected laboratory instruments.

Benefits

The selected candidate will join a dynamic and diverse research team. The candidate will have excellent opportunities to learn new experimental techniques and research areas. McGill University is located in beautiful and vibrant downtown Montreal (Canada), recently named the world's best student city. The city is home to several world-class universities and research centers that offer opportunities for research collaboration and access to cutting-edge research facilities.

Salary and benefits will be determined in accordance with McGill policies and guidelines. See below for more information. Candidates are also encouraged to apply for external funding.

<https://www.mcgill.ca/gps/postdocs/fellows>

<https://www.mcgill.ca/hr/employee-relations/assocs-unions>

To apply for the position, please send a cover letter, academic CV, and list of 3 references to Professor Nathalie Tufenkji (nathalie.tufenkji@mcgill.ca). Include “Postdoc Microbio” in the subject line of your email. The earliest expected start date is January 2022. Applications will be reviewed on a rolling basis until the position is filled.

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.

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