

Job Title: Postdoctoral Fellow Researcher in Cryo-Electron Tomography

The Zeytuni group is seeking for a highly motivated postdoctoral fellow researcher with expertise in cryo-electron tomography to join our team. The project focused on biofilm formation and development in collaboration with Prof. Huy Bui's group, a renown cryo-ET expert at McGill University. The postdoctoral fellow will have access to cutting-edge cryo-EM equipment at the Facility of Electron Microscopy Research (FEMR) and access to other relevant instrumentation and associated training in various facilities at McGill University. The position is open and has a negotiable start date. Although the initial appointment is for one-year, it is expected to be renewed contingent on satisfactory performance.

Responsibilities:

- Conduct research on the application of cryo-electron microscopy and tomography for the structural characterization of biofilm formation and associated biological systems.
- Develop and optimize imaging protocols for cryo-electron microscopy and tomography.
- Perform sample preparation, data acquisition, and data analysis of tomographic datasets.
- Collaborate with other members of the research team to design and execute experiments, interpret results, and prepare publications.
- Stay up to date with the latest advancements in the field of cryo-electron microscopy, tomography, and biofilm formation and contribute to the advancement of the field through research and publication.

Requirements:

- A Ph.D. in structural biology, biochemistry, biophysics, or a related field.
- Strong expertise in cryo-electron microscopy including single particle analysis or tomography.
- Experience cryoEM sample preparation, and data processing.
- Prior experience in bacterial cultivation and protein purification would be advantageous.
- Excellent analytical and problem-solving skills, with a strong attention to detail.
- Strong written and oral communication skills, with a demonstrated ability to work in a team-oriented environment.

The Zeytuni group at McGill University provides a collaborative and supportive environment that fosters creativity, innovation, and professional growth.

To apply, please submit a cover letter, curriculum vitae, and a list of three references to [Natalie.zeytuni\[at\]mcgill.ca](mailto:Natalie.zeytuni[at]mcgill.ca). We look forward to receiving your application and discussing the opportunity further with you.

McGill University hires on the basis of merit and is strongly committed to equity and diversity within its community. We welcome 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 productively engage with diverse communities. McGill implements an employment equity program and encourages members of

designated groups to self-identify. Persons with disabilities who anticipate needing accommodations for any part of the application process may contact, in confidence, accessibilityrequest.hr@mcgill.ca.