

Job post: Post doctoral fellow at the Facility for Electron Microscopy Research (FERM) at McGill University

Job start: Between January and April 2019

Contract: 1 year contract, with an option to renew for a second year. Upon mutual agreement, this position can be turned into a microscopist position at the end of the 2 years. Salary is commensurate with education and experience.

Job description: We are looking for a post doctoral fellow who will be the main operator for a FEI/ThermoFisher Talos transmission electron microscopy to be installed at McGill in the winter 2019, equipped with EELS, EDX, tomography and environmental sample holders. This microscope will be geared primarily towards materials and nanomaterials, for applications in chemistry, physics and engineering. This person will be responsible for performing research, as well as training, maintenance, and operation on this machine. This job is focused on two main objectives: (i) the development of novel research methods towards high resolution operation on the Talos as well, as new EELS and/or EDX methods; (ii) Train/advises students, postdoctoral fellows, and visiting researchers on TEM operation and research objectives.

Candidate profile: We are looking for candidates with a strong background in transmission electron microscopy research. High level of expertise is expected in the use and/or development of research methods in EELS, EDX, electron diffraction, environmental TEM and/or tomography. We are looking for a candidate who is motivated, can manage a busy schedule, has good training competences and who can work in team. PhD or higher level degree is expected.

Work environment: This person will join the dynamic team of FERM now composed of 8 technicians and microscopists and 5 PIs directly involved in electron microscopy research. This project is linked to the research of Prof. Moores in the dept. of chemistry and the candidate will also participate in the group activity.

Application: Submit your package to [Audrey.moores@mcgill.ca](mailto:Audrey.moores@mcgill.ca). The package should contain:

- a motivation letter detailing your past accomplishments and research aspirations
- a full CV
- The name/contact of 3 references