

Research Technician

Position Details

Position Information

Position Title	Research Technician
Department/Unit	Medical Neuroscience
Research Project	Radiochemistry / Neuroimaging
Location	Halifax
Posting Number	GP29-19
Employee Group	Grant-Paid
Position Type	Term
Duration of Contract (if applicable)	1 year
Employment Type	Full Time
Full-time Equivalency (FTE)	1.0
Salary	Commensurate with experience (37.5 hours per week)

About the Organization

At the Department of Medical Neuroscience, we're dedicated to our mission of supporting molecular and cellular neuroscientific research, with an emphasis on projects that aim to identify, treat and cure diseases of the nervous system.

Job Summary

Reporting to the Principal Investigator, the Research Technician will join a multi-institutional team of researchers studying cholinesterase activity in neurodegenerative diseases. The Research Technician will perform technical duties related to developing possible positron-emission tomography (PET) and single-photon emission computerized tomography (SPECT) probes that target cholinesterase activity for the diagnosis of Alzheimer's disease. In addition, the Research Technician will perform analysis of imaging data and evaluate the effectiveness of the molecular structures for target imaging.

Key Responsibilities

- Develop methodologies for incorporating 123I or 18F atoms into targeted molecules.
- Carry out "cold" reactions for the incorporation of iodine or fluorine into target molecules.
- Carry out "hot" reactions for the incorporation of 123I and 18F into target molecules.
- Perform In Vivo PET and SPECT experiments.
- Use PMOD software to evaluate the In Vivo PET and SPECT data.

Note

Qualifications

Undergraduate degree in Science with a major in medicinal chemistry with experience in standard techniques of synthetic organic chemistry. Experience in radiochemistry is preferable. Must be proficient with Office 365 Suite. Experience with chemical drawing software is required. Demonstrated ability to be an effective team player with strong,

collaborative, problem-solving skills. Excellent communication, both written and oral, and organizational skills are required. Experience using PMOD imaging analysis software is an asset.

Additional Information

Dalhousie University supports a healthy and balanced lifestyle. Our total compensation package includes a voluntary RRSP, health and dental plans and an employee and family assistance program.

Application Consideration

Diversity Statement

Dalhousie University is committed to fostering a collegial culture grounded in diversity and inclusiveness. The university encourages applications from Aboriginal people, persons with a disability, racially visible persons, women, persons of minority sexual orientations and gender identities, and all candidates who would contribute to the diversity of our community. For more information, please visit www.dal.ca/hiringfordiversity.

Posting Detail Information

Number of Vacancies	1
Open Date	08/28/2019
Close Date	09/12/2019
Open Until Filled	No

Special Instructions to Applicant

Quick Link for Direct Access to Posting <http://dal.peopleadmin.ca/postings/1997>

Documents Needed to Apply

Required Documents

1. Résumé / Curriculum Vitae (CV)

Optional Documents

1. Cover Letter