

# Medicinal Chemist Research Technician

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## Position Details

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### Position Information

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| <b>Position Title</b>                       | Medicinal Chemist Research Technician                               |
| <b>Department/Unit</b>                      | Medical Neuroscience  |
| <b>Research Project</b>                     | Development of Alzheimer Diagnostic Tools                           |
| <b>Location</b>                             | Halifax   |
| <b>Posting Number</b>                       | GP28-19   |
| <b>Employee Group</b>                       | Grant-Paid  |
| <b>Position Type</b>                        | Term  |
| <b>Duration of Contract (if applicable)</b> | 1 year  |
| <b>Employment Type</b>                      | Full Time   |
| <b>Full-time Equivalency (FTE)</b>          | 1.0   |
| <b>Salary</b>                               | To commensurate with education and experience (37.5 hours per week) |

### About the Organization

Within 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 Medicinal Chemist Research Technician will join a multi-institutional team of researchers studying cholinesterase activity in neurodegenerative diseases at Dalhousie University. The Medicinal Chemist Research Technician will carry out traditional medicinal chemistry evaluations on possible imaging agents that target cholinesterase activity for the diagnosis of Alzheimer's disease.

### Key Responsibilities

- Perform In-Silico calculations on proposed chemical structures.
- Carry out structure-activity relationships. Design and synthesis of new chemical entity small molecules as putative drug platforms.
- Conduct multi-step synthesis of small molecules using state of the art synthetic organic chemistry methods.
- Carry out ADMET for targeted chemical characterization.
- Develop LC/MS/MS methods for quantifying target chemicals in biological samples.
- Perform In Vivo experiments to quantify the targeted chemicals

### Note

### Qualifications

Undergraduate degree in Science with a major in medicinal chemistry with experience in standard techniques of synthetic organic chemistry. 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.

#### **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](http://www.dal.ca/hiringfordiversity).

#### **Posting Detail Information**

|                            |            |
|----------------------------|------------|
| <b>Number of Vacancies</b> | 1          |
| <b>Open Date</b>           | 08/28/2019 |
| <b>Close Date</b>          | 09/12/2019 |
| <b>Open Until Filled</b>   | No         |

#### **Special Instructions to Applicant**

**Quick Link for Direct Access to Posting** <http://dal.peopleadmin.ca/postings/1996>

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## **Documents Needed to Apply**

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#### Required Documents

1. Résumé / Curriculum Vitae (CV)

#### Optional Documents

1. Cover Letter