

Ph.D. Position in Pharmacology/Biochemistry

Supervisor

Dr. Gerhard Multhaup, Professor

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<https://www.mcgill.ca/cellinfosys/our-group/gerhard-multhaup>



Research Description

Our research focus is the **biochemical pharmacology of Alzheimer Disease (AD)**. Ph.D. positions are available for highly motivated, dedicated individuals to investigate the role of misfolded peptides in the AD and other neurodegenerative disorders for earlier diagnostics, prevention, and/or treatment.

Successful candidates will work on earlier diagnostics to accelerate therapeutic development. The Multhaup laboratory is supported by several funding sources (e.g. CIHR, NSERC, Weston Family Foundation) and equipped with state-of-the-art technologies (e.g. mass spectrometry imaging, MSI; surface plasmon resonance, SPR). Situated in the McGill's Life Sciences Complex, convenient access to other leading-edge facilities (e.g. advanced bioimaging, FACS, histology, mass cytometry, transgenics) provides an integrated, multidisciplinary research environment.

Qualifications

Ph.D. applicants should possess a strong background in **Biochemistry** (or similar discipline), ideally with relevant experience in assay development. They must be highly organized, work effectively within a team environment, be able to meet laboratory deadlines, and possess strong oral and written communication skills. They will have the opportunity to participate in the training and supervision of fellow trainees, as well as the preparation of laboratory grants, manuscripts, presentations, and reports.

Interested applicants should send their CV, references, and a research statement (1-2 pages cover letter detailing relevant skills and expertise, including past work experience and future goals) to gerhard.multhaup@mcgill.ca.

About McGill University and Montréal

As one of Canada's leading research-intensive and internationally diverse universities, McGill consistently ranks high amongst the world's top academic institutions (www.topuniversities.com/qs-world-university-rankings). A beautiful and vibrant metropolis, Montréal (www.mtl.org/en) is a major hub for biotech startups (www.technoparc.com/en/) and consistently ranks as one of the best cities in the world (2024: <https://blog.mtl.org/en/montreal-ranks-top>; www.lonelyplanet.com/best-in-travel/cities), especially for students (2023: <https://montrealgazette.com/news/local-news/montreal-ranked-as-the-best-city-in-the-world-for-students>). For additional information about applying to McGill as a Ph.D. student or PDF, please visit: www.mcgill.ca/gps/.