



# Centre for Probe Development and Commercialization

The Centre for Probe Development and Commercialization (CPDC) is a Centre dedicated to fostering the development, translation, and commercialization of molecular imaging probes and associated technologies. The Centre is seeking an outstanding postdoctoral fellow or research associate with experience in synthetic and/or radiochemistry to support R&D projects in the Probe Development & Division (Research Associate / Post Doctoral Fellow – Core I). This is a unique opportunity to learn cutting edge research and development skills in a rapidly expanding field.

The successful candidate will be responsible for leading discovery efforts of novel molecular imaging probes for either positron emission tomography (PET) or single photon emission computed tomography (SPECT). The projects include the synthesis, development and radiolabeling of small molecules, peptides and other biologics and will employ the latest in automated discovery and labeling methods including microfluidic and microwave based methods.

Candidates should have a Ph.D. in Chemistry with 0 – 2 years of relevant doctoral or post-doctoral experience or an MSc. With 5 years of relevant experience in PET or SPECT chemistry. Candidates must have a strong background in the fundamentals of synthesis or peptide/protein chemistry. Experience in radiochemistry and HPLC is a plus.

The CPDC is a Canadian Centre of Excellence in Commercialization and Research (CECR) that received support from the Networks Centres of Excellence program, the Ontario Institute for Cancer Research, GE Healthcare Canada, Cancer Care Ontario, The McMaster Nuclear Reactor and McMaster University. The CPDC collaborates with leading institutions from across Canada and around the globe giving applicants the opportunity to work with thought leaders.

CPDC's core objectives are: (1) To validate, translate and commercialize innovative imaging probes and associated technologies emerging from academic labs and research centres in Canada, (2) To provide the means to obtain Health Canada approval for molecular probes and to increase the number of agents entering trials for clinical and drug development studies, (3) To attract investment in probe development to Ontario and to facilitate the creation of new commercial entities.

Please submit a cover letter, resume or curriculum vitae and the names of two references to:

Dr. Karin Stephenson, Ph.D.  
Director Synthesis and Production  
Centre for Probe Development and Commercialization  
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McMaster University  
Hamilton, Ontario, Canada L8S 4K1  
[Inquires: stephenson@imagingprobes.ca](mailto:stephenson@imagingprobes.ca)

**We thank all applicants for their interest,  
but only those selected for interview will be contacted.**

