

Post-doctoral position in mast cell signaling and inflammation

A post-doctoral fellow position in mast cell signaling and inflammation is available in the laboratory of Andrew Craig at Queen's University in Kingston, Ontario. The starting date is April 1, 2010, with an expected term of 3-4 years.

My lab is studying the molecular mechanisms governing mast cell activation and mediator release. We employ transgenic mouse models and cell-based models to define the functions of proteins involved in phosphotyrosine-based signaling mechanisms in mast cells (<http://qcri.queensu.ca/Craig.html>).

For this project, the PDF will define the roles of F-BAR domain-containing proteins in mast cell activation. We have characterized the contributions of the F-BAR domain in membrane targeting and activation of FER protein-tyrosine kinase recently (McPherson et al. (2009) MCB 29:389-401), and plan to extend this work to a number of F-BAR-containing adaptor proteins that have not been previously studied in mast cells.

The applicant should be a highly motivated, recent PhD graduate with expertise in molecular and cell biology, and excellent communication skill in English. Experience working with transgenic mice would be considered an asset.

Applicants should submit a CV with their publications and contact information for 2-3 referees via email to Dr. Andrew Craig (ac15@queensu.ca).