

SPINAL CORD INJURY POST-DOCTORAL FELLOWSHIP

A position for a post-doc is available for a highly qualified and motivated individual to conduct basic experimentation (cellular, molecular, in vivo rodent) focused on spinal cord injury at the Hotchkiss Brain Institute. The applicant must have a solid background in neuroscience and in the field of SCI, with excellent surgical skills and the capability of conducting in vivo SCI in rodents. Our lab places a heavy emphasis on advanced microscopy using cutting edge techniques such as polarization 2-photon microscopy, coherent anti-Stokes Raman scattering (CARS) and fluorescence spectroscopy of ex vivo and in vivo spinal cord tissue. Therefore prior experience with microscopy of living tissue will be an asset.

The candidate will conduct in vitro and in vivo experiments aimed at understanding basic mechanisms of spinal white matter injury after trauma, and to devise translational interventions aimed at mitigating the acute injury and promoting regeneration. He/she will have access to a broad range of sophisticated imaging instruments allowing cutting edge experimentation in the field of SCI.

Located at the Foothills Medical Campus, University of Calgary, Alberta, the Hotchkiss Brain Institute (www.hbi.ucalgary.ca/) is home to over 100 neuroscientists working on various aspects of basic and applied neurobiology, creating a highly stimulating, multidisciplinary and vibrant research environment.

Please send a cover letter, CV and names of 3 references to Dr. Peter K. Stys (pstys@ucalgary.ca).

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