Resident Research Rotation Opportunity

Name of Primary Investigator: Peter Smith
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Location of Laboratory: 9.75 Medical Sciences Building (Department of Pharmacology)
Laboratory website address: http://www.pmcol.ualberta.ca/people/faculty/SmithDetail.html
Area of Research Interest: Electrophysiology/Biophysics/Neuropharmacology/Neuropathic Pain

General Description of Potential Projects:

Three types of projects are available.

1) Whole cell patch clamp recordings from dorsal root ganglion neurons to assess the effectiveness of ion channel modulators in treatment of neuropathic pain. *(Minimum one year rotation)*

2) Animal behavioural studies in models of neuropathic pain, to assess effectiveness of new potential therapeutic agents. *(Minimum 9 months rotation)*

3) Slice patch recordings from spinal dorsal horn neurons to study etiology of neuropathic pain. *(2 year minimum rotation)*