



**Krishnan lab is inviting applications from interested MSc/PhD/Postdoctoral candidates to study the nerve-tumor interface.**

Recent investigations have demonstrated a mutual growth stimulatory interaction between tumor tissues and peripheral nerves. The tumor cells secrete growth modulators and guidance cues to attract nerves while the growth factors released from the nerves promote tumor survival and metastasis. However, the identity of the molecules that participate in this mutual interaction is not fully established. The Krishnan lab will characterize the nerve-tumor interface in animal models of breast cancer using proteomic approaches. Identification of the molecular framework of the interface will reveal novel therapeutic targets for nerve regeneration and cancer.

The lab utilizes research techniques such as live-cell imaging, confocal microscopy, molecular biology techniques, in vitro cultures for sensory neurons and cancer cells, and in vivo models for nerve regeneration and cancer.

Interested candidates can directly email [anand.krishnan@usask.ca](mailto:anand.krishnan@usask.ca). In the email, briefly state why the candidate is interested in the lab. Please also include in the email the candidate's unofficial transcripts and contact information of two references.

Anand Krishnan, PhD  
Assistant Professor  
Dept. of Anatomy, Physiology, and Pharmacology  
College of Medicine  
University of Saskatchewan  
Email: [anand.krishnan@usask.ca](mailto:anand.krishnan@usask.ca)  
Phone: 3066558711