



# Cellular and Physiological Sciences Seminar Series

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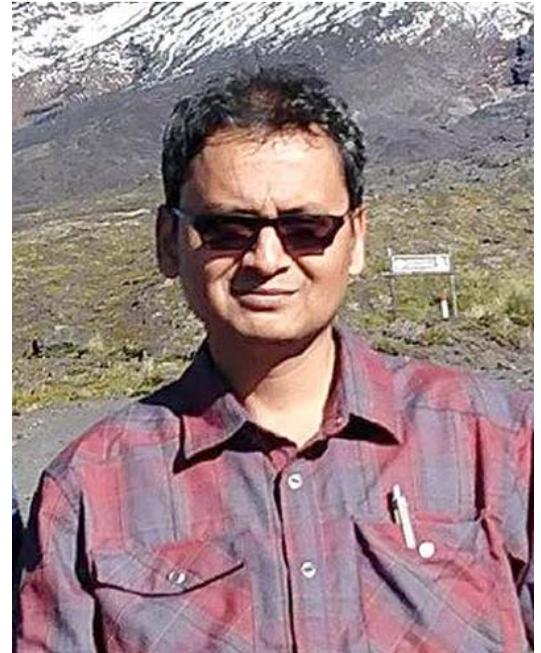
### "Manipulation of Intracellular Trafficking as Therapeutic Avenues in Neurodegenerative Diseases"

Thursday, May 30, 2019

12:30 - 1:30 (LSC 3)

Host: Dr. Shernaz Bamji

A static cell is a dead cell. Survival depends upon a cell's ability to traffic molecules to the right place and at the right time, so physiologic processes can continue unabated. Such trafficking is particularly critical for neurons that have elongated processes; as the vast majority of proteins are synthesized in the micron-sized perikarya and then transported into these long appendages. Overall research in the Roy lab is centered round the common theme of neuronal trafficking – movement of macromolecules in axons, dendrites and synapses. This talk will focus on harnessing intracellular trafficking to ameliorate pathology in neurodegenerative diseases, including the use of CRISPR/Cas9 based technology.



**Join us for coffee and cookies at Noon in LSC 1416**  
**Dr. Shernaz Bamji <[shernaz.bamji@ubc.ca](mailto:shernaz.bamji@ubc.ca)>**