Dissecting Growth Properties of Normal and Tumorigenic Neural Stem Cells

Neural stem cells are capable of dividing both symmetrically and asymmetrically to expand their population or give rise to differentiated progeny. The Porter lab focuses on understanding how the cell regulates these cues during normal development and what can go wrong to drive populations of stem-like brain tumour initiating cells in human glioma.

Dr. Porter’s research focuses on the study of Spy1, a cell cycle protein, and its role in oncogenesis. By investigating the novel mechanisms that this protein plays in the regulation of mammalian cell cycles, she aims to better explain and understand the critical role it has in the control of both breast cancer and brain cancer.

She is the Scientific Director of the Windsor Cancer Research Group (WCRG)—an assembly of local researchers, clinicians and community partners—which focuses on strengthening local cancer research and bridges collaboration with local cancer treatment centres.

All welcome to attend
Light refreshments will be served

More information on MCB’s website: www.uoguelph.ca/MCB