

Annual Elizabeth Laird Memorial Lecture

The Eye as a Window on the Brain

**Wednesday, November 13th,
2019**

**University College
Conron Hall, UC 3110**

6:00-7:30 pm
Reception to follow



Cost: Free, all are welcome!

The 2019 Laird Lecturer

Dr. Melanie Campbell

Department of Physics & Astronomy
University of Waterloo

Recently Prof. Melanie Campbell has discovered putative optical signals to guide eye growth which follow a circadian rhythm. She also collaborated in the first real-time images of cone photoreceptors. Prof. Campbell is known for her work on the gradient index optics of the crystalline lens, its changes with ageing, and effects of visual experience on its refractive index distribution.

Prof. Campbell is a former President of the Canadian Association of Physicists. She is a co-founder of Biomedical Photometrics Inc and LumeNeuro. Prof. Campbell shared the 2004 Rank Prize in Optoelectronics for work that "has been carried through to practical applications that have, or will, demonstrably benefit mankind." She was awarded the CAP INO Medal for Outstanding Achievement in Applied Photonics in 2014 and the OCUFA Status of Women Award of Distinction in 2015.

