



Abstract

From Microscopy to Ophthalmoscopy - new ideas for imaging the retina

Given by Steve Gruppetta

Friday 2nd March 2012, 3pm

Room C244 Tait Building

The past couple of decades have seen the rise of techniques such as the SLO and OCT that have drastically improved the ability to observe the living retina and assess structural damage linked to eye or systemic diseases. Although their imaging power is remarkable, especially when compared to previously available retinal imaging techniques, there is still more to see that we cannot yet observe.

This seminar will look at some new techniques we are exploring for retinal imaging and retinal image analysis, including Structured Illumination Ophthalmoscopy, phase imaging techniques, and computational retinal models.

