



University
of Victoria

PHYSICS AND ASTRONOMY COLLOQUIUM (In Person Only)

Dr. Reuven Gordon
University of Victoria

**“Nanoaperture Tweezers: From Single Proteins to Single
Quantum Emitters”**

Abstract

“There is a new class of technologies emerging for observing unmodified proteins in action and at the single molecule level. This colloquium will give an introduction to our nanoaperture optical tweezer approach and overview the developments from other groups also working in the area. I will also review our work on using these nanoapertures to isolate single Erbium emitters in nanocrystals for single photon sources at fiber optic communication wavelengths, and to study resonant energy transfer between two perovskite quantum dots.”

Wednesday, March 29, 2023

3:30 p.m. PST

ECS 116

Please note that there is no zoom link for this week