

## Ph.D. and M.Sc. positions

Concordia University's Department of Physics is a growing department in a university with rapidly rising reputation. We are always looking for graduate students with a strong background in physics to join us. Some current opportunities for graduate students for the [M.Sc.](#) and [Ph.D.](#) programs are:

- [Designing and investigating photonic bilayer materials](#)  
Ph.D./M.Sc. opportunity with Dr. Pablo Bianucci starting Fall 2020/Winter 2021
- [Designing and studying photonic graphene and other 2D materials](#)  
Ph.D./M.Sc. opportunity with Dr. Pablo Bianucci starting Fall 2020/Winter 2021
- [Topological nanowire lasers](#)  
Ph.D./M.Sc. opportunity with Dr. Pablo Bianucci starting Fall 2020/Winter 2021
- [Experimental quantum strain engineering of graphene](#)  
Ph.D. opportunity with Dr. Alexandre Champagne starting Fall 2020
- [Changing how students learn](#)  
Ph.D./M.Sc. opportunity with Dr. Calvin Kalman starting Fall 2020/Winter 2021
- [Ultrasound-triggered microbubble vibration physics towards enhanced local drug delivery](#)  
Ph.D. opportunity with Dr. Brandon Helfield, starting Fall 2020
- [Raman signature of a nematic superconductor](#)  
M.Sc. opportunity with Dr. Saurabh Maiti starting Fall 2020/Winter 2021
- [Signatures of collective response in doped graphene](#)  
Ph.D. opportunity with Dr. Saurabh Maiti starting Fall 2020/Winter 2021
- [High-throughput screening of single-cell dynamics using microfluidics and optical tweezers](#)  
Ph.D./M.Sc. opportunity with Dr. Laurent Potvin-Trottier starting Fall 2020/Winter 2021
- [Excitons in pigment arrays resembling natural photosynthetic antennae](#)  
Ph.D./M.Sc. opportunity with Dr. Valter Zazubovits starting Fall 2020/Winter 2021
- [Tunneling in biological systems and small light-induced conformational changes](#)  
Ph.D./M.Sc. opportunity with Dr. Valter Zazubovits starting Fall 2020/Winter 2021