

Open PhD/MSc Positions in Physics and Biomedical Physics

Concordia University's Department of Physics is rapidly growing in size, impact, and diversity. We have many exciting and well-funded opportunities for graduate students interested in pursuing a research M.Sc. and/or Ph.D. in physics or biomedical physics.

We cultivate strong student-supervisor relationships and leverage the rich research ecosystem in Montreal. Our researchers have expertise, and state-of-the-art research infrastructure, in theoretical and experimental condensed matter physics including quantum- and nano- materials, human biomedical physics, molecular biophysics, theoretical particle physics, computational physics, and physics education.

Some of the currently available positions are:

For the up-to-date list of posted positions, see [this link](#). To see all of our research groups browse [this page](#).

- [Topological nanowire lasers](#)
Ph.D./M.Sc. opportunity with Dr. Pablo Bianucci
- [Brain health in females across the adult lifespan and the long-term effects of COVID-10 on brain white matter, vascular and metabolic health](#)
Ph.D./M.Sc. opportunity with Dr. Claudine Gauthier
- [Ultrasound-triggered microbubble vibration physics towards enhanced local drug delivery](#)
Ph.D. opportunity with Dr. Brandon Helfield
- [Raman signature of a nematic superconductor](#)
M.Sc. opportunity with Dr. Saurabh Maiti
- [Signatures of collective response in doped graphene](#)
Ph.D. opportunity with Dr. Saurabh Maiti
- [Antimicrobial peptide design](#)
Ph.D./M.Sc. opportunity with Dr. Rachael (Ré) Mansbach
- [Drug design for antibiotics](#)
Ph.D./M.Sc. opportunity with Dr. Rachael (Ré) Mansbach
- [Theory of disulfide bonds for toxin-based therapeutics](#)
Ph.D./M.Sc. opportunity with Dr. Rachael (Ré) Mansbach
- [High-throughput screening of single-cell dynamics using microfluidics and optical tweezers](#)
Ph.D./M.Sc. opportunity with Dr. Laurent Potvin-Trottier