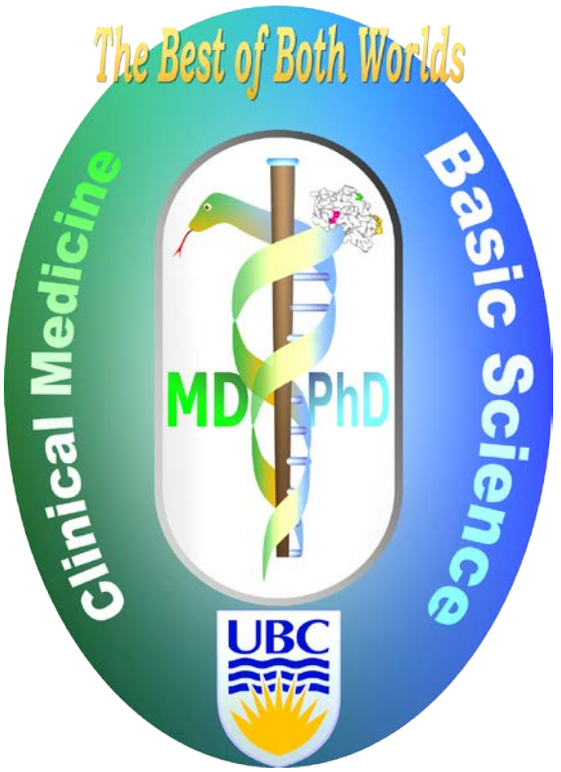
UBC MD/PhD PROGRAM



Research Areas

Public Health

Neuroscience

Anatomy & Physiology

Biochemistry

Medical Genetics

Pathology & Laboratory Medicine

Urology

Sports Medicine

and more …

ARE YOU ….

…. aspiring to become a medical doctor?

…. with great passion for research?

…. intestered in receiving a stipend while attending medical school at UBC?

The UBC Combined Doctor of Philosophy and Doctor of Medicine Program is where you can put your medical education and research into action.

The UBC MD/PhD Program is a prestigious and challenging course of studies. The goals of the program are to develop and nurture future "physician-scientists" in all fields of medicine. Our students are trained to translate basic discoveries into improving diagnosis, treatment and prevention of disease in patients.

Value of MD training

- Diverse knowledge, including most forms of human disease
- Realities of patient care
- Clinical thinking and decision-making
- Clinical implementation of new ideas

Value of PhD training

- Experience in critical assessment of evidence and experimental design
- Writing/reviewing grants and papers
- PhD credibility as a researcher
- MD/PhD program: more time to observe mentors and choose residency

UBC MD/PhD Program http://www.med.ubc.ca/mdphd

a place of mind
THE UNIVERSITY OF BRITISH COLUMBIA

UBC MD/PhD Program
email: md.phd@ubc.ca
phone: 604-822-7198

Take ACTION.
Realize your POTENTIAL.

UBC MD PhD

UBC MD/PhD Program

Financial Support:

- MD/PhD tuition fee is $4,895.16 per year (2016-2017). This fee is charged in place of, rather than in addition to, the MD-only program tuition charge (currently $17,407.24 per year)
- All MD/PhD students receive a studentship award through the MD/PhD Program (annual stipend $21,000 and $1,000 research allowance, renewable each year for a maximum of six years)
- First year students also receive the Faculty of Medicine Graduate Support Initiative Funding
- Students are eligible for the Four Year Fellowship award with $18,200 stipend plus free tuition per year for a maximum of four years

Why choose MD/PhD @ UBC? Facts …

- The UBC MD/PhD Program is a 7-year program
- Find your perfect supervisor from the highly regarded faculty members within the Faculty of Medicine
- You have your curriculum customized to synergize with your research
- You choose to work in one of the four medical programs
- At least 7 distinct research campuses with cutting edge research tools
- There is sure to be a graduate program that aligns with your research interest
- Plenty of financial support: reduced tuition, scholarships, travel awards and research stipends
- The program hosts regular seminars for trainees and advocates for scheduling to balance research and clinical demands
- Connect with the highly motivated medical and graduate students ready for academic discussion, sports outings or a night of fun
- The UBC MD/PhD program is expecting growth in student numbers in the coming academic years
- UBC is one of the top 3 Medical Schools in Canada
- UBC Life Sciences is top-ranked in Canada
- UBC is highly ranked among all Universities in the world

STUDENT PROFILE

Parker Jobin is our current student representative in his fourth year of the program. Supervised by Dr. Chris Overall in the Biochemistry and Molecular Biology program, his research aims to expand our understanding of the roles of a class of proteases, matrix metalloproteinases (MMPs), in biology and develop techniques to monitor their activity in clinical samples. Advancements in proteomic methods have allowed the identification of a vast number of characterized and novel protease substrates, leading to speculation of partnerships previously unknown. Historically, the MMP family of proteases was thought to account for only degenerative changes in diseases and matrix turnover. However, broadly inhibiting them as therapy failed in clinical trials, indicating what is now known that MMPs possess a wide substrate specificity incorporating both homeostasis and disease. It is important to understand what MMPs cleave, as novel substrates may carry out beneficial roles and thus should not be blocked by drugs. Using MMP knockout mice and other knockdown models, he studies the role MMPs have in processing major classes of substrates in addition to designing selective reaction monitoring (SRM) assays and neo-epitope antibodies for translating MMP activity into clinical tools. Parker graduated in 2013 from UBC with a BSc in Honours Biochemistry. Outside of his projects, Parker has also served the program as its Graduate Student Society councilor and is an alumnus of UBC's men's volleyball team.

STUDENT PROFILE

Amanda Dancsok is in her fourth year of the program. She is completing her research in the area of Pathology and Laboratory Medicine under the supervision of Dr. Torsten Nielsen. Amanda's doctoral work focuses on sarcomas, a broad group of soft-tissue cancers that commonly affect adolescents and young adults. While rare, sarcomas are markedly under-researched; in the absence of effective medical strategies, sarcoma patients often face radical, disabling surgeries and devastatingly-reduced life expectancies. Recent work in melanoma and other cancers has revealed the promise of immune checkpoint inhibitors, a type of cancer immunotherapy that re-targets the body's own immune cells to destroy the cancerous cells. Though interest in checkpoint inhibitors is growing exponentially across many types of cancer, their utility has been largely unexplored in sarcomas. Amanda's research aims to identify the sarcoma subtypes most likely to respond to cancer immunotherapy, in order to determine which patients will benefit from this life-saving treatment. Outside the lab, Amanda is an editor for the UBC Medical Journal, a hobby ballerina, and most recently, a doula with the Fir Square Inter-Professional Doula Program.

http://mdprogram.med.ubc.ca/mdphd/students/

Graduate School @ UBC

UBC offers over 250 Graduate Degree Programs in nearly every academic field imaginable, and opportunities to pursue cutting-edge transdisciplinary study that crosses traditional boundaries.
Discover more. **www.grad.ubc.ca**

The University of British Columbia

UBC is a global centre for research and teaching, consistently ranked among the 40 best universities in the world. Since 1915, UBC's West Coast spirit has embraced innovation and challenged the status quo. Its entrepreneurial perspective encourages students, staff and faculty to challenge convention, lead discovery and explore new ways of learning. At UBC, bold thinking is given a place to develop into ideas that can change the world.