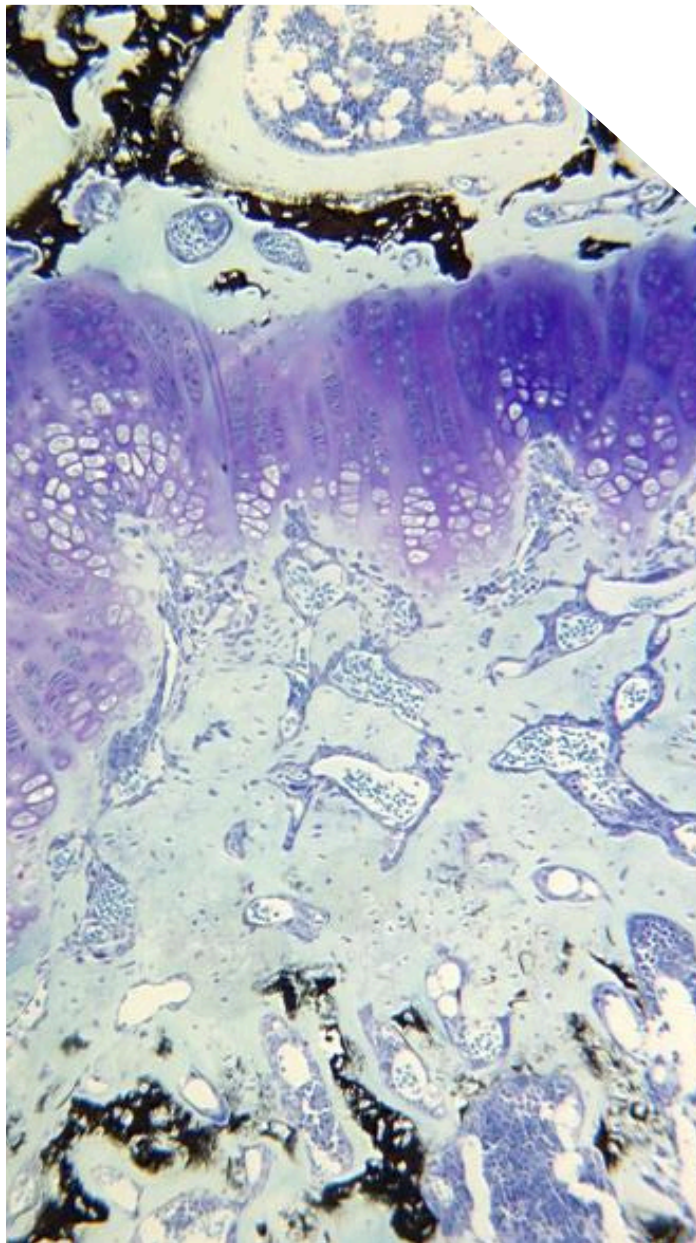


# Made to drive innovation in health sciences

# MADE

# by McGill

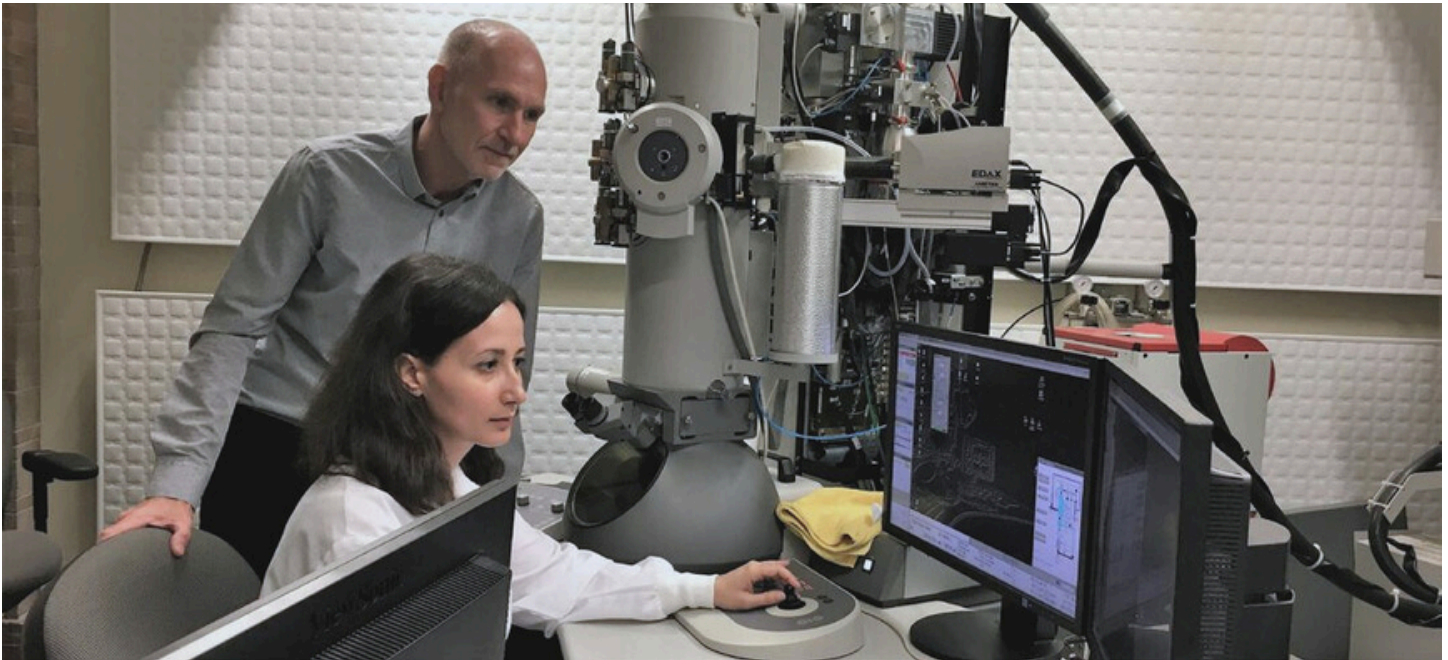


## PhD in Oral Health Sciences

A program designed to shape the future of oral health research.

The days of isolated research are reaching their end. With a number of exciting connections in place, McGill's PhD in Oral Health Sciences is continuing to build on the strengths of interdisciplinary research and collaboration to drive innovation in the health sciences.

The PhD in Oral Health Sciences encompasses core scientific experimentation and health research, with implications ranging from the cell to the body, whole systems and societies. By embracing collaboration, this program introduces students to multiple perspectives and outcomes that transform health research. Our commitment to translational research in this program comes in the form of a shared research philosophy of openness amongst faculty from diverse fields. This program challenges the conventional narrow concepts of disciplinarity by training and inspiring students to consider complex oral health problems through a broad investigative lens.



## At McGill, dental medicine goes beyond the dental chair.

The PhD in Oral Health Sciences involves independent work on a research problem in the student's designated area under the supervision of Faculty professors, who are among the world's top research scientists in dental science and beyond.

Research and expertise among our professors extends beyond dental sciences, to the core of the most pressing issues in the health sciences at large. Our Faculty includes engineers and material scientists repairing bone defects of the cranium, neuroscientists studying neurological diseases and pain, and biochemists and cell biologists investigating extracellular matrix proteins and enzymes. The Faculty of Dental Medicine and Oral Health Sciences is also recognized as a powerhouse in clinical, epidemiological, and health services research, in addition to qualitative health sciences and public health policy.

Whether it is through developing new biomaterials to drive innovation in tissue engineering, or generating knowledge on underserved communities to stage important interventions in public health policy, McGill provides PhD students the resources, knowledge, mentorship, and support to become leading scientists who will build a healthier future for all.

For more information, please contact:

[graduate.dentistry@mcgill.ca](mailto:graduate.dentistry@mcgill.ca)

[mcgill.ca/dentistry](http://mcgill.ca/dentistry)

[@mcgilldentistry](https://www.instagram.com/mcgilldentistry)



Faculty of  
Dental Medicine and  
Oral Health Sciences

Students are empowered to push the boundaries of dental science by partnering with leading researchers affiliated with the Faculty's innovative research clusters who maintain important networks inside and outside McGill.

### Pain and Neuroscience

Pain research at McGill is among the best in the world, based on a significant number of exceptional pain researchers based at the university, and on a tradition of outstanding accomplishments in the neurosciences.

### Mineralized Tissues and Extracellular Matrix Biology

Skeletal, dental and connective tissue biology research at McGill is world-class, with a long history of excellence. A large group of researchers has been assembled to consolidate our strength in researching fundamental questions pertaining to mineralized tissue and extracellular matrix biology.

### Biomaterials, Nanobiotechnology and Tissue Engineering

This is an emerging area of excellence for dental medicine, with outstanding new recruits investigating nanometre-scale bone cements and biomaterials, synthetic tissue-engineered scaffoldings and controlled-release systems for bone reconstruction, and more.

### Population Oral Health

Substantial progress has been made in the prevention, diagnosis, and treatment of oral diseases, yet disparities still exist. The Population Oral Health research cluster focuses on oral epidemiology, Indigenous oral health research, health care services and policy research, clinical research, and dental education research.