



École des sciences
pharmaceutiques

School of
Pharmaceutical Sciences

Strategic Plan

2023 - 2028



To be a leader in drug development and pharmaceutical care, which requires adapted multidisciplinary academic programs, undeniable expertise in sciences and clinical practice, remarkable passion, unmatched ingenuity, efficient teamwork and judicious integrated planning.



Daniel Figeys, Ph. D.
Director, School of Pharmaceutical Sciences,
University of Ottawa

A word from the Director

Established in 2021, the School combines pharmaceutical care provided by pharmacists, together with research in pharmaceutical sciences and clinical practice. Our professors come from affiliated hospitals, community settings, and the University of Ottawa. The School is rapidly expanding with the creation of new programs.

We are developing innovative educational programs in pharmaceutical sciences, services and care that meet the changing needs of our communities. We have implemented an undergraduate Doctor of Pharmacy program focused on the training of pharmacists in French. They will have unique training opportunities in Francophone communities across the country. We also plan to offer continuing education programs and microprograms in both official languages. The School intends to develop a graduate program focused on research in pharmaceutical sciences.

We are recruiting experts from around the world for our new School to support our educational programs and research. We are currently developing our research focus with an emphasis on pharmaceutical science research, including the fields of pharmacology, medicinal chemistry, galenics, and pharmaceutical practice, to name just a few.

The School is located in Ottawa, a growing multicultural city. Our students will have training and employment opportunities in communities across Canada, and exchange opportunities around the world. The National Capital region also offers many opportunities in government and in the fields of health and education, and has growing high-tech and biotechnology sectors.

Our strategic plan was developed in partnership with the Faculty of Medicine, University of Ottawa and our partners in the Ottawa area. We are in the stages of developing implementation plans for each of the priorities of our strategic plan.

I hope to have the opportunity to welcome you to our School!

Daniel Figeys, Ph. D.
Director and Professor

April 2023





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Strategic areas, goals and actions

Going further

Further in **Education**

Further in **Research**

Further with **Mobilization and Outreach**

Further with **Francophonie**

Further with **Internationalization and Planetary Health**

CONSULTATION DOCUMENT

Consultation process:

- School of Pharmaceutical Sciences Board
- Program Implementation Committee, Years 1–4 (PIC 1–4)
- Wellness Committee, Office of EDI, Faculty of Medicine
- Faculty of Medicine schools and departments (including DIME)
- Directors of Pharmacy in university hospitals affiliated with uOttawa
- Preceptors in hospital and community settings
- Other partners

MISSION

To train and support highly-qualified students by focusing on innovation and excellence to meet the most important healthcare challenges.

VISION

To be a world leader in educational innovation, drug research and pharmaceutical care.

VALUES

Equity | Respect | Innovation | Collaboration | Excellence | Diversity

1. PharmD Program

Program overview

The undergraduate Doctor of Pharmacy program offered at the University of Ottawa is intended to prepare students for pharmacy practice in hospital or community settings, or in other settings such as the pharmaceutical industry, regulatory agencies or academia, among others, or for further studies. This program, offered in French, is aimed primarily at Ontario Francophones and, secondly, Francophones from elsewhere in Canada, with the objective of meeting the needs of Francophone and bilingual pharmacists in minority settings. This four-year program consists of interactive courses, practical labs, team learning sessions, projects, workshops and 40 weeks of practical training.

Undergraduate Doctor of Pharmacy program in French

A University of Ottawa PharmD graduate is a pharmacist who:

- Communicates effectively with members of their Francophone minority community to provide personalized care that meets local needs;
- Uses current scientific evidence to responsibly optimize comprehensive drug therapy for their patients;
- Is confident and autonomous in their practice;
- Maintains their skills to proactively contribute to local health services and collaborate optimally with other professionals;
- Shares knowledge within their community and with other healthcare providers to educate the population and contribute to health promotion.



2. Clinical and Translational Medicine graduate program – Pharmacology option

This program will provide a stimulating research environment at the masters and doctoral level. Research projects will focus on clinical and translational aspects of human health and disease, including biomedical projects that include a clinical or translational component. This program will align with the priorities of the Faculty of Medicine, particularly with regard to the promotion and interactions among groups of trainees and an emphasis on translational research and collaboration between basic and clinical investigators. This program will be faculty-wide, but a pharmaceutical science component will be offered through the School of Pharmaceutical Sciences.

At both the masters and doctoral level, this program will be competency-based. Its structure will differ considerably from existing programs in the Faculty of Medicine or elsewhere at the University of Ottawa, and will be unique in Canada.

3. Future programs

We intend to develop new programs with our partners, such as a master's degree in advanced pharmacotherapy, continuing education programs and microprograms in both official languages. We will undertake consultations to ensure that we offer new programs aligned with healthcare and research needs.



1. PharmD PROGRAM

Strategic goals

1.1.

Continue to implement the undergraduate Doctor of Pharmacy program from Years 1 to 4.

1.2.

Create a graduate program in pharmaceutical sciences.

1.3.

Create a master's program in advanced pharmacotherapy including a pharmacy residency.

1.4.

Integrate interdisciplinary and interprofessional learning in an academic environment.

1.5.

Integrate the values of equity, diversity and inclusion in educational materials and program activities.

Research

Building our strengths in pharmaceutical practice, pharmacology, biotechnology, galenics and medicinal chemistry

The University of Ottawa is one of Canada's leading research-intensive institutions with close to \$250M in annual research funding. With its affiliated research institutes, the Faculty of Medicine attracts more than 50% of the University of Ottawa's research funding and consistently ranks among the top faculties of medicine in Canada for research intensity and impact. The School of Pharmaceutical Sciences has the mandate to develop areas of research in pharmaceutical sciences that complement the Faculty of Medicine's priority research areas.

SPS research areas

Pharmaceutical practice and pharmacy education



Optimal use of drugs



Pharmacology



Biotechnology and pharmaceuticals development



Medicinal chemistry



2. RESEARCH

Strategic goals

2.1.

Consolidate key areas of research in pharmaceutical sciences including drug development, biotechnology, pharmacology and medicinal chemistry.

2.2.

Develop new areas for clinical research.

2.3.

Document and disseminate the experience of developing and implementing innovative programs.

2.4.

Integrate the values of equity, diversity and inclusion in the research program.

Mobilization and Outreach

Mobilizing our partners and promoting the School

Through its commitment to its students, program and community of preceptors and partners, the School of Pharmaceutical Sciences aspires to shine through its recognition of excellence, outstanding student experience and engaging internships. In addition, in collaboration with the Faculty of Medicine's Office of Equity, Diversity and Inclusion (EDI), the School will establish an EDI committee whose role will be to ensure that our learning and work environment is inclusive, diverse and equitable and meets CCAPP standards to support EDI. We believe that a diverse, equitable and inclusive learning and work environment is essential for training our future pharmacists and researchers, and to improving healthcare for our populations.



3. MOBILIZATION AND OUTREACH

Strategic goals

3.1.

Promote the School and its programs by offering students a positive experience.

3.2.

Develop recognition programs that engage administrative staff and faculty members.

3.3.

Develop a support and engagement program for clinical placements and preceptorship.

3.4.

Foster a diverse, equitable, professional and healthy environment.

Promoting Francophonie

The School of Pharmaceutical Sciences is an enabling environment for supporting Francophonie in minority settings. Together with the work of the Faculty and the University of Ottawa, the School has a unique mandate to train future pharmacists and researchers from the Francophone community, and for the Francophone community in minority settings across Canada. The School will pay particular attention to developing partnerships with Francophone minority communities across Canada. Additionally, the School will be promoting Francophonie in the strategic priority areas of education, research, internationalization and global health, as well as mobilization and outreach.



4. FRANCOPHONIE

Strategic goals

4.1.

Increase access to pharmaceutical care and services in French in minority settings through training.

4.2.

Ensure that the needs and challenges of Francophone minority communities are integrated in the curriculum.

4.3.

Increase the offer of bilingual programs.

4.4.

Roll out a continuing education program in pharmacy in both official languages.

Internationalization and Planetary Health

Internationalization and Planetary Health

The School of Pharmaceutical Sciences works at the local, national and international levels. We are developing international strategic partnerships to complement and enrich our educational programs and research. Already we have a joint research centre on systems and personalized pharmacology with the Shanghai Institute of Materia Medica. In addition, we recognize the importance of considering planetary health in the development and use of drugs. We are participating in the Faculty of Medicine's planetary health efforts and will be expanding our activities nationally and internationally.



5. INTERNATIONALIZATION AND PLANETARY HEALTH

Strategic goals

5.1.

Establish partnerships in pharmacy and pharmaceutical sciences at the regional, provincial and national levels.

5.2.

Raise awareness among students, faculty and partners of the impact of drugs on planetary health.

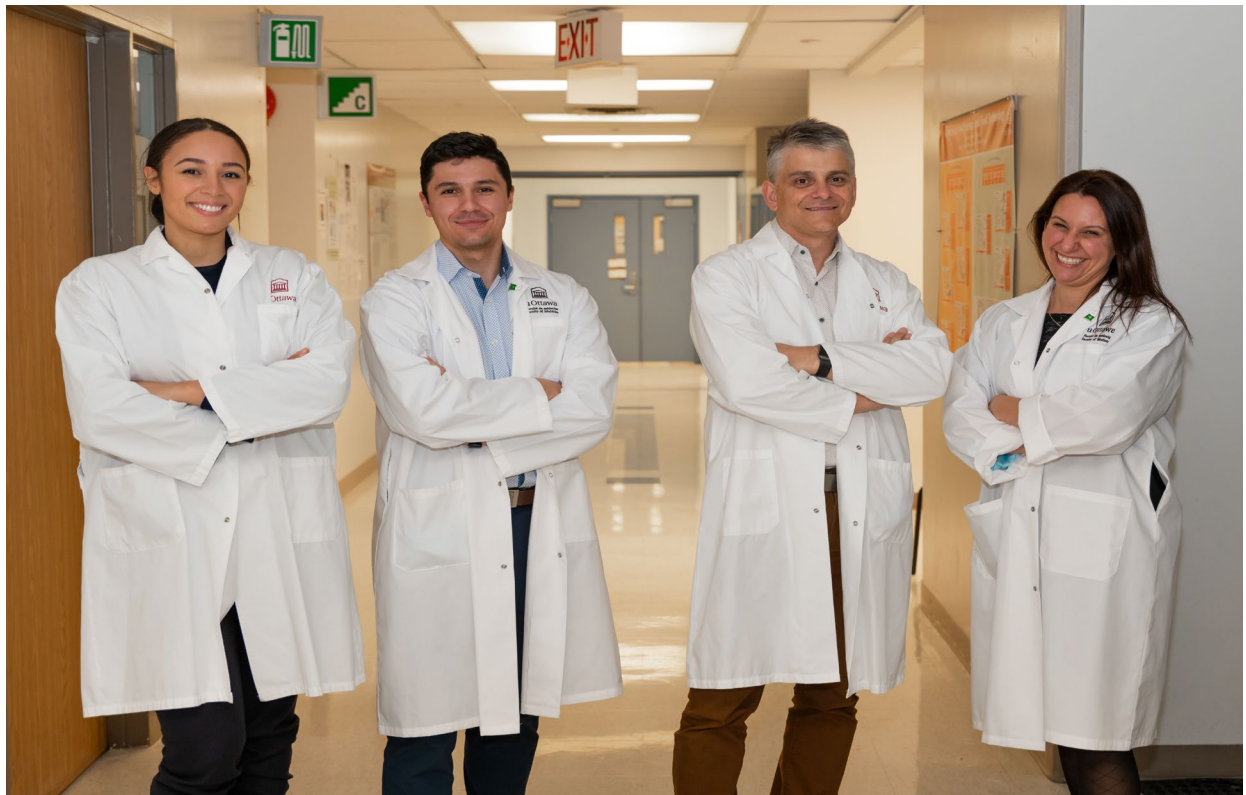
An ambitious plan

This initial strategic plan of the School of Pharmaceutical Sciences is ambitious and relies on the commitment of its members, the Faculty, the University and our local and international partners. The plan contains a series of defined goals for which we will be developing and implementing operating plans over the next five years.

Being a leader in drug innovation and pharmaceutical care is our roadmap that will lead us towards a School that is focused on our learners, our patients and our communities. Furthermore, it will give us national and international recognition for the excellence of our curriculum and research programs.

Next steps

We are in the process of operationalizing the PharmD program, the CTM graduate program, and our areas of research. Over the next few years, the School will develop operating plans for each of the strategic plan goals.





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Faculty of medicine
451 Smyth Rd., Ottawa, ON K1H 8M5

613-562-5800 ext: 8469
espharma@uOttawa.ca