

# Pharmaceutical & Healthcare Management & Innovation

GDip PMHI Map

## Applying to and Navigating Graduate Studies

### Program HIGHLIGHTS

- Six-month paid internship
- Course content created by industry experts
- Interaction with health sector professionals
- Team-based discussions and case studies

### Program OVERVIEW

This program is developed to specifically enhance relevant industry or institutional experience, practical knowledge of the process of commercializing medical innovation, and business acumen that would strengthen the competitiveness of new applicants for early-stage industrial career opportunities.

In the coursework component, students will participate in seminars led by pharmaceutical and related health industry experts, engage in case studies of real-world problems and challenges, and prepare oral and written submissions that demonstrate effective teamwork and problem-solving skills.

The internship with industry will provide an opportunity for the student to be immersed on a full-time basis with an employer in the private or government sectors, to acquire valuable hands-on experience and apply the knowledge and skills acquired during coursework.

Graduates of this diploma will process the knowledge and skills required to pursue advanced careers in the broader health sector, including, but not limited to, opportunities with: Federal health departments and agencies; Provincial health ministries; corporations; and entrepreneurial ventures.



GRAD MAP FOR PHMI STUDENTS

### Method of COMPLETION

The program will be 10 months in duration. Students will complete two online courses over one academic term, followed by a six month, full-time paid internship position with an external partner. It is anticipated that internship start dates will be in January.

Successful completion of the online courses is a requirement for progression into the internship.

#### Term 1 (4 months):

Online – PHMI 871 – Healthcare Innovation and Development  
Online – PHMI 872 – Healthcare Management and Commercialization

#### Term 2 (6 months):

Internship – PHMI 873 – Internship in Healthcare Management & Innovation

### Learning OUTCOMES

- Acquire and apply knowledge of historical approaches to, and contributions of, medical innovation to identify potential future directions of medical innovation and processes for commercialization.
- Develop a broad understanding of the regulatory and compliance landscape in Canada and beyond to support approval of new therapeutics.
- Gain exposure to leading roles in private or institutional

healthcare organizations to build an understanding of the many scientific, medical, and commercial functions of these organizations, their responsibilities, and how they interface to develop and commercialize healthcare innovations.

- Identify and utilize required professional skills to successfully interact with key stakeholders, colleagues, and customers in the healthcare ecosystem.

*"...it was very difficult to break into the industry without prior work experience. So when I saw the PHMI program and the features it offered I immediately jumped at the opportunity."*

- Muhammad Usama Arabi, PharmD

*"I always wanted to stay in touch with science but develop a business understanding of the pharmaceutical landscape, especially with regards to decision-making. I felt PHMI program would provide all the information needed to develop those skills in a comprehensive and interactive way."*

- Ayehsa Shabbir, PharmD, Medical Affairs  
at Bristol-Myers Squibb



GRADUATE STUDIES AND  
POSTDOCTORAL AFFAIRS

# Pharmaceutical & Healthcare Management & Innovation

## INSTRUCTORS:

- **Babak Abbaszadeh**  
Vice President Medical Affairs, BMS
- **Rima Al-awar**  
Director and Senior Principal Investigator, Drug Discovery Program, Ontario Institute for Cancer Research (OICR)
- **Mark McGovern**  
Medical Science Liaison, Merck Canada
- **Elaine Vandenberg**  
Vandenberg Quality Consulting
- **Rocelyn DelCarmen**  
Regulatory Affairs, AstraZeneca
- **Lorenzo Biondi**  
Consultant  
Past Vice President Medical and Regulatory Affairs, Roche
- **Paul Brennan**  
Chief Business Officer, Expraxia Pharmaceuticals
- **Vita Peri**  
BioStrat Consulting
- **Tina Maio-Twofoot**  
Medical Advisor, Ophthalmology Franchise, Novartis Canada
- **Laura Knuckle**  
Vice President & Chief Canadian Counsel, Innomar Strategies
- **Erin Murphy**  
Head Operational Excellence, EMD Serono
- **Mike Duong**  
Head of Personalized Healthcare, Hoffman-La Roche Ltd.
- **Clive Ward-Able**  
President, Clintell Inc.

# Application FAQs

## What do I need to know to APPLY?

### ACADEMIC REQUIREMENTS

- MD, PharmD, or PhD in biomedical, pharmaceutical, or public health sciences from a recognized University
- A minimum of an A- standing in the Degree is required for program entry

### ADDITIONAL REQUIREMENTS

- English Language Proficiency: English is the language of instruction at Queen's University and candidates must be able to communicate competently in English, both orally and in writing. Therefore, applicants whose native languages do not include English will be required to obtain satisfactory standing in an English Language Proficiency Test as part of the application process, and before final acceptance is granted as per School of Graduate Studies and Postdoctoral Affairs' regulations.

### KEY DATES & DEADLINES

- **Application deadline:** May 15th for a September 1st start.

## TUITION Fees

For information about fees and tuition, please check the [Registrar and Financial Aid Services website](#) for the most up-to-date information.



*"My goal was to apply my degree in industry, but without industry experience or a business background, the path into industry was unclear. The PHMI program offered not only an academic background in the business of pharmaceutical commercialization, but also an opportunity to get relevant experience and build a network of colleagues in the industry."*

*-Stuart Young, PhD,  
Medical Affairs at Sanofi Pasteur*



### Application Inquiries

Mary White  
mary.white@queensu.ca

### Program Inquiries

Dr. Chandra Tayade, DVM, PhD Associate Professor  
613-533-6354  
tayadec@queensu.ca