



THE UNIVERSITY OF BRITISH COLUMBIA

Faculty of Pharmaceutical Sciences

2023

YEAR IN REVIEW



TABLE OF CONTENTS

Message from the Dean <i>pro tem</i>	2
Numbers at a Glance	4
Highlights - Education	8
Highlights - Research	10
Highlights - Practice	12
Highlights - People & Place	14
Equity, Diversity, Inclusion & Indigeneity	16

The Faculty of Pharmaceutical Sciences building is located on the traditional, ancestral, unceded territory of the hə́nqəmínə́m speaking xʷməθkʷə́yəm (Musqueam people). We also acknowledge the many lands and territories in which our pharmacists practice across the land now known as British Columbia.

MESSAGE FROM THE DEAN *PRO TEM*

Larry D. Lynd PhD, BSP, FCAHS

It is my pleasure to share the 2023 *Year in Review* for the Faculty of Pharmaceutical Sciences at the University of British Columbia. This annual publication is an important communication that our Faculty produces to not only summarize our achievements but to also acknowledge and thank our community of faculty, staff, students, alumni, supporters and partners without whom we would not be able to succeed.

The past 12 plus months were marked with a number of important accomplishments, and milestones. From a faculty-wide perspective, I accepted the role of dean *pro tem* in July as Dr. Michael Coughtrie completed his second term as dean. Dr. Coughtrie's leadership during his 10-year tenure further established the Faculty as one of the preeminent schools of pharmacy and research centres for pharmaceutical sciences. We are sincerely appreciative of all of his contributions.

Other milestones include:

- the launch of our new strategic plan, ***Catalyst 2.0***;
- the end of the three-year implementation term of the Pharmacists in Primary Care Networks (PCN) Program;
- welcoming Drs. Teri Charrois and Marion Pearson as associate deans of practice innovation and students, respectively;
- celebrating the 10th anniversary of the Pharmacists Clinic; and
- an overall increase in our core areas of activity including research income and progress toward our ***Indigenous Strategic Plan (ISP)*** goals.

As we begin a new year, we expect to continue on our current trajectory of academic, research, and practice excellence. Thank you for continuing to be engaged with us and we look forward to staying connected with you throughout 2024.

Sincerely,

Larry D. Lynd
Professor and Dean *pro tem*



Our vision is to be a
catalyst for **change** in
pharmacy practice and the
pharmaceutical sciences.

NUMBERS AT A GLANCE

Overall



#30
Worldwide
#2
Canada

2023 QS World
Rankings by Subject

190

Publications



41

Presentations

13

Awards



92

Media Mentions

160

Grants

Active, non-internal,
Fiscal Apr 1, 2022–
Mar 31, 2023



Education



	E2P PharmD Students	Flex PharmD Students	BPSc Students
'22 Winter Term 2 Jan 1-Apr 28, '23	861	19	150
'23 Summer Term May 15-Aug 19, '23	635	17	64
'23 Winter Term 1 Sep 1-Dec 22, '23	888	17	198

40 MSc students	50 PhD students	795 Practice educators in 532 sites
13 Visiting international research students	31 Postdoctoral fellows	4,329 Total registrants in 14 CPPD programs and 95 CP3 Jul 1, 2022-Dec 31, 2023

Practice



3,492

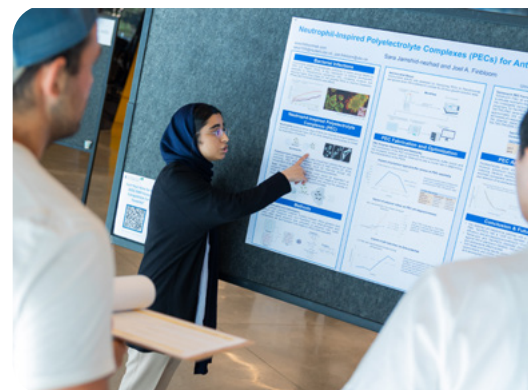
Patient encounters

Jul 1, 2022-Dec 31, 2023

25,946

Patient encounters

Cumulative total through 122 months of operation



Research



\$10.6M

Research income

Up \$0.1M (1%)

7 Michael Smith Health Research BC - Scholar/HP-I Awards

Brent Page, Annaliijn Conklin, Jacquelyn Cragg, Anil Maharaj, Ly Vu, Simon Wisnovsky, Ricky Turgeon

5 Canada Research Chairs

Corey Nislow, Jacquelyn Cragg, Mary De Vera, Karla Williams, Ly Vu

People & Place



80 Total faculty

664 Clinical faculty

30 Honourary faculty

(Includes emeritus, adjuncts, affiliates and visiting faculty)

7,489 Total alumni

7,012 Total living alumni

220 Total new alumni

(225 total new grads; 5 received an additional degree from Pharm Sci)

107 Total staff*

4 Research associates

151 Student workers

*Note: support and contingent workers are not included

\$3.1M Raised

322 Gifts

269 Donors

Jul 1, 2022-Dec 31, 2023

HIGHLIGHTS

Education

Graduate Diploma in Pharmacy Leadership (GDPL)

A new degree program was launched—**Graduate Diploma in Pharmacy Leadership (GDPL)**—in the fall of 2023. The GDPL is designed specifically for pharmacists with leadership aspirations within administrative, corporate, public health, primary care, academic, regulatory or government roles. The first cohort will begin in 2024.

First Bachelor of Pharmaceutical Sciences Class

The very first class of the Bachelor of Pharmaceutical Sciences degree program commenced its final year of study. The class will graduate at spring convocation in June 2024.

New Students Portfolio

In 2023, the Faculty created a new Students portfolio to oversee all academic issues relating to students in the Faculty's undergraduate and professional programs, from recruitment through graduation. Dr. Marion Pearson, who is a long-time and established member of the Faculty, was appointed as associate dean of the portfolio.

Graduate Student Scholarships/Awards Received

Total amount of graduate scholarships/awards received: **\$1,383,528**

Amount of Tri-Council scholarships (as % of total amount of graduate scholarships/awards received): **28%**

Enhanced Website Presence for MSc and PhD Programs

To effectively engage and recruit prospective students, the **MSc and PhD program website section** was revamped with fresh, engaging content that highlights the diverse features of our graduate programs and showcases the success stories of our current students.

International Partnerships

Taipei Medical University

The Faculty entered into a formal partnership agreement with Taipei Medical University aimed at fostering research collaborations and furthering ties on faculty and student mobility. The collaboration will allow graduate students and postdoctoral fellows from both sides to undertake research at the partner institution, benefiting from an enriched academic experience.

Tokushima University

Building on a shared commitment to advancing knowledge and scholarship in pharmaceutical sciences through the exchange of ideas and expertise, the Faculty renewed its Memorandum of Understanding (MOU) with the Faculty of Pharmaceutical Sciences and Graduate School of Pharmaceutical Sciences at Tokushima University in Japan, for a further five-year period. The MOU renewal will further strengthen our institutional linkages, enrich research collaboration, and support deeper cooperation through greater faculty, graduate student, and postdoctoral fellow exchange.

Establishment of the Faculty of Pharmaceutical Sciences Postdoctoral Society

The Pharm Sci Postdoctoral Society was established in July 2023. Its mission is to represent the needs of Faculty's postdoctoral fellows by fostering a sense of community through organized social and professional development activities, acting as a liaison between the Faculty and its postdoctoral fellow community, and providing opportunities for postdoctoral fellows to promote and enhance their well-being.

Honouring Our Community of Practice Educators and Partners in Experiential Education

Practice educators are essential members of the UBC Pharm Sci community and their contributions to student learning are fundamental to the success of our programs. In **November 2022**, UBC Pharm Sci community members gathered in-person for the first time since 2019 to formally honour and celebrate our volunteer practice educators and partners in experiential education.

HIGHLIGHTS

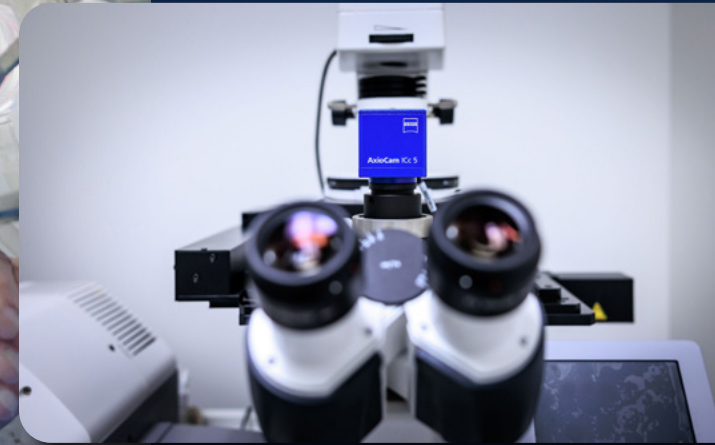
Research

Dr. Ly Vu One of 11 Cancer Researchers to Receive Funding from a New Grant Program Committed to Challenging Gender Disparities

In June, **Dr. Ly Vu** was recognized as one of 11 recipients of A Grant of Her Own: The Women Scientists Innovation Award for Cancer Research. The new granting program, developed by the V Foundation for Cancer Research, sees \$8 million in funding invested in cancer research being led by women scientists. Dr. Vu received a V Scholar Award, translating into \$600,000 over a three-year period that will support defining a high-resolution functional map of m6A RNA epi transcriptome in normal and malignant blood stem cells.

Hospital Admissions for COPD Increased Substantially, Especially in Women and Younger People

In September, **new research**—conducted by the Faculty, UBC, Providence Health Care Research Institute and St. Paul's Hospital—pointed to annual hospital admissions for chronic obstructive pulmonary disease (COPD) in Canada increasing 69% since 2002, especially in females and people under age 65. This research was published in **an article** in CMAJ (Canadian Medical Association Journal).



HIGHLIGHTS

Practice

Education, Connection and Support: A Prescription for Migraine

In June, which is National Migraine and Headache Awareness Month, the Pharmacists Clinic created **pharmacist-led migraine group appointments**. They include a one-hour virtual session each month for three consecutive months. The sessions are facilitated by a Clinic pharmacist so people with the same medical condition can learn from and with each other.

Welcome Dr. Teri Charrois

In July, Dr. Teri Charrois was welcomed as professor of teaching and associate dean, practice innovation at the completion of Dr. Peter J. Zed's 11-year tenure. As the Faculty's first associate dean, practice innovation, Dr. Zed provided academic leadership to build and lead the portfolio grounded in improving the access and care patients receive from pharmacists. We are very grateful for all of his impactful leadership contributions.

Building Cultural Safety and Humility for First Nations Clients into Pharmacy Practice

In September, the Faculty released "**Building Cultural Safety and Humility for First Nations Clients into Pharmacy Practice**", which contains two educational courses. They were developed to help pharmacy team members learn how to address systemic anti-Indigenous racism and barriers to healthcare access in pharmacy care settings, and are part of a collective effort to reduce experiences of culturally unsafe care for First Nations clients across the British Columbia healthcare system.

Course content was thoughtfully developed with **First Nations Health Authority** and with guidance and teachings from a First Nations Advisory Group, led by an Indigenous facilitator, and a Pharmacy Advisory Group. Evelyn Alec, a First Nations artist from the Penticton Indian Band, created the designs used in the courses.

Pharmacists in Primary Care Network (PCN) Program Marks a Transformative Journey in Healthcare

In October, the Pharmacists in Primary Care Network (PCN) Program, an innovative initiative launched in October 2020 by the Faculty, **celebrated its significant contributions** to providing primary healthcare to British Columbians as it concluded its three-year implementation term. The Program was designed to integrate Primary Care Clinical Pharmacists (PCCPs) into PCNs across British Columbia. Additionally, it has mobilized and connected existing pharmacists within PCN communities to enable and support shared patient care.

10th Anniversary Celebration of the Pharmacists Clinic

In November 2013, the Faculty launched the Pharmacists Clinic, a ground-breaking initiative that has since redefined the landscape of patient care and pharmacy practice in Canada. The Clinic is one of several initiatives conceived and developed by the Faculty's Office of the Associate Dean, Practice Innovation over the past 12 years to provide academic leadership in pharmacy practice innovation to improve the care patients in BC receive from pharmacists.

The Faculty **celebrated the 10th anniversary** with a memorable event on Tuesday, November 21. Dean *pro tem* Larry Lynd, in his remarks, emphasized the Clinic's role in impacting pharmacy practice and healthcare innovation over the years.

HIGHLIGHTS

People & Place

Catalyst for Change 2.0 Sets Faculty's Strategic Direction for the Next Three Years

In January, *Catalyst for Change 2.0* launched. **The new strategic plan** provides direction to the end of 2026 and builds on the many successes from the previous plan.

Our Supportive Community

We are forever appreciative of our supportive community of donors and funders. Highlights include:

Over **\$18K** was raised as part of UBC Giving Day 2023, with the majority of the generous donor support going towards the two highlighted funds: the Diane Hales Award in Pharmaceutical Sciences for Indigenous Students and the Graduate Student Professional Development Award in Pharmaceutical Sciences.

London Drugs donated over **\$117K** to purchase new human patient simulation equipment to support advanced clinical skills development and the high-level training environment in our Inpatient Pharmacy Practice Skills Centre.

McKesson Foundation granted **\$200K USD** to launch the Faculty's Indigenous Pharmacy Student Collegium with the purpose of increasing recruitment and retention for students who are underrepresented in medicine and improving cultural competency.

Dr. Larry Lynd Appointed Dean pro tem

In August, Dr. Larry Lynd commenced his tenure as **dean pro tem of the Faculty**. Dr. Michael Coughtrie concluded his term as dean July 31. During his term, Dr. Coughtrie has overseen an unprecedented expansion of the Faculty which has led to major successes in research, education & training, and innovation in pharmacy practice. Additionally, Dr. Coughtrie was instrumental in furthering the Faculty's efforts in the areas of equity, diversity, inclusion, and Indigeneity, where the Faculty is now an acknowledged leader among peer institutions in the pharmaceutical sciences.

2023 Alumni Awards

The **Alumni Builder Award** recognizes alumni who have significantly contributed to the university and enriched the lives of others, and in doing so, have supported *alumni UBC's* vision of a global alumni community for an exceptional UBC and a better world. Dr. Helen Burt, PhD'80 was selected for significant contributions as a professor, administrator, scientist, and alum. Her research, volunteerism philanthropy, and service have made a lasting impact on UBC and the Life Sciences sector in Canada.

UBC Faculty of Pharmaceutical Sciences **Alumni Agent of Change Award** recognizes alumni for remarkable achievements in a clinical, community, education or research field that are having local, national or global impact. Dr. Diana S-L. Chow, MS, PhD'81 was selected for innovative research in drug discovery and development which has led to multiple patents in various stages of development for clinical applications.

Alumni Future Agent of Change recognizes alumni who early in their career demonstrate to be future agents of change. Dr. Tarique Benbow, PhD'22 was selected for being an avid innovator, trailblazer, researcher and community supporter.

EQUITY, DIVERSITY, INCLUSION & INDIGENEITY

The Faculty remained committed to fostering a diverse, equitable, and culturally rich academic, research, practice and workplace environment in 2023. From leadership appointments to strategic community engagement, we actively embraced our responsibility to empower Indigenous communities, enhance diversity, and promote inclusivity within our community, setting a strong foundation for the continued growth and success of our students and faculty members alike. Below are key achievements and initiative highlights within the Indigenous Strategic Plan (ISP) and Equity, Diversity, and Inclusion (EDI) frameworks:

Indigenous Strategic Plan (ISP)

Leadership and Staffing

- Nadine Gerhardt was hired as our Indigenous Strategic Initiatives Manager in May 2023.

Student Support and Outreach

- Two Indigenous high school students were supported through the 2023 Verna Kirkness Foundation Program, aiming to increase Indigenous STEM graduates.
- Faculty-level relationships were established with the UBC Longhouse, Office of Indigenous Initiatives, Indigenous Advising, and other campus-wide partnerships were developed.

Cultural Engagement and Awareness

- The Faculty joined the UBC campus community in participating in Orange Shirt Day in September 2023.

Decolonization and Community Engagement

- The Faculty engaged with community experts to generate 30 recommendations and calls-to-action, focusing on curriculum improvements, cultural safety education, relationship building, and hands-on learning.
- "Uprooting Pharmacy," a three-year project supported by UBC's Teaching and Learning Enhancement Fund (TEF), was established to integrate Indigenous perspectives into the pharmacy curriculum.

Other Projects and Initiatives

- The Faculty implemented various UBC-funded ISP projects, including the Indigenous Student Collegium for the Entry-to-Practice PharmD program and Rural eMentoring BC, aimed at enhancing engagement, support networks, and learning experiences for Indigenous students.

Equity, Diversity, and Inclusion (EDI)

Strategic Planning and Alignment

- We completed the UBC Inclusive Action Plan (IAP) Self-Assessment, providing 18 short list and 40 long list recommendations to the Faculty.
- The Faculty aligned its EDI work with UBC's Strategic Equity and Anti-Racism (StEAR) framework in collaboration with UBC's Equity and Inclusion Office (EIO).

Enhanced EDI Presence and Reporting

- The Faculty improved EDI resources on its website, including updated information for reporting mistreatment and handling complaints.
- An EDI training mandate was created for all new faculty and staff new hires.

Cultural Awareness and Accessibility

- The Faculty regularly recognized and promoted cultural holidays in various communication channels for both internal and external audiences.
- An event planning checklist was created, integrating EDI into the Faculty's space booking processes and calendars to ensure better cultural awareness.
- Equal accessibility for all community members was fostered, including those with disabilities, in Faculty-wide events.

Student Recognition and Support

- The Shoppers Drug Mart Award in Pharmaceutical Sciences was established, the first award for Black students at the Faculty.

Equity, Diversity and Inclusion Forum (EDIF)

- The EDIF was established by the Faculty, and it hosted several events for faculty, staff, students and postdoctoral fellows including a multiculturalism snack break and social in July and an enhancing intercultural understanding workshop in November 2023.
- The EDIF also established a book club featuring culturally diverse books.



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