



**College of Pharmacy**

# 2021–2023 Report







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## Our College

### OUR MISSION

Leading transformative pharmacy education, research and service.

### OUR VISION

Healthy people and communities through innovative education and scholarship in pharmacy.

### OUR VALUES

Social accountability  
Professionalism  
Excellence  
Equity, diversity and inclusion  
Community and collaboration



## DEAN'S MESSAGE

As I reflect on the past two academic years at the College of Pharmacy, I feel immense pride and gratitude for the remarkable journey we have undertaken together. Despite unforeseen challenges, our college has adapted and persevered and we've focused on our mission of excellence in research education and service.

Throughout 2021 and 2022, the global pandemic forced campus closures and virtual programs became necessary, with a gradual return to in-person education in 2022-2023. Despite the challenges, our educators, research faculty and trainees surpassed expectations, ensuring education and vital research continued while ensuring that our PharmD trainees continued to support practice when Manitobans needed them the most.

Despite COVID-19, faculty continued to implement a new degree program, embarked on innovative teaching strategies and supported our student learners. The Office of Experiential Education continued to recruit new sites, train preceptors and implement new rotations throughout the province. Through it all, our faculty's research grant applications, publications and collaborations continued to grow. Our principal investigators and their trainees swiftly responded to the pandemic, initiating studies to evaluate drug use demands and health-care policies associated with pandemic circumstances.

I am equally proud of our student learners who remained undeterred in their pursuit of knowledge and research. Despite disruptions, they exhibited flexibility, adaptability and capability in meeting their program, research and scholarly outcomes, both within our spaces and in our communities. Their determination to excel under challenging circumstances is a testament to their dedication to pharmacy and commitment to making a difference for patients.

I want to especially acknowledge and celebrate our graduating classes. On June 15, 2021, we proudly celebrated the graduation of 45 students from the last bachelor of science in pharmacy class in Manitoba. Despite the challenges posed by the pandemic, these graduates demonstrated remarkable perseverance in completing their program on time. We are confident in their abilities to provide exceptional care to people in our province and beyond, making a difference for patients and our communities.

Furthermore, I am thrilled to announce that on May 18, 2023, we celebrated the convocation of our inaugural Doctor of Pharmacy (PharmD) graduating class. During the past two years, we have also successfully graduated numerous students from the master's and PhD programs, marking a significant milestone with our first graduate with a concentration in pharmacoepidemiology.

I would also like to express my deepest gratitude to the faculty staff and administrators of the College of Pharmacy for their unwavering commitment and student-centered approach. Their teamwork, dedication and tireless efforts have been instrumental in shaping the program and creating an environment where our students can thrive. Without their invaluable contributions, the success we celebrate today would not have been possible.

A special thank-you to the college's leadership team who have overseen and worked with the college to enable us to move forward successfully. I am honoured to lead such an exceptional community of researchers, educators, students, and staff at the College of Pharmacy. Despite many challenges, we demonstrated resilience, determination and a shared commitment to advancing pharmaceutical knowledge and improving patient care. Let us continue to support one another, embrace new opportunities and make a lasting difference in the lives of those we serve.

Thank you for your support and I look forward to our continued success.

Sincerely,

**Lalitha Raman-Wilms**, B.Sc. (Pharm), PharmD, FCSHP, ACPR  
Dean, professor, College of Pharmacy





# Our Professional Pharmacy Students

## PROFESSIONAL PHARMACY PROGRAM



### MESSAGE FROM THE ASSOCIATE DEAN (ACADEMIC)

The College of Pharmacy was pleased to celebrate the graduation of forty-five students on June 15, 2021. This was the last Bachelor of Science in Pharmacy (B.Sc. Pharm.) graduating class in Manitoba. This cohort of graduates persevered to complete their program on time, despite the challenges posed by the COVID-19 pandemic. We are proud of their achievements and confident in their abilities to care for Manitobans, Canadians, and people internationally. Although we were not able to gather in person on graduation day, we were pleased to see these bright health-care professionals gather virtually and celebrate with their families and friends.

There was no graduating class in the summer of 2022. This was by design with the conversion from the final B.Sc. Pharm. class to the first Doctor of Pharmacy (PharmD) cohort of students. We were excited to celebrate the first PharmD graduating class during their convocation on May 18th, 2023!

Throughout 2021-2022, our PharmD classes from first to third year had a blended program delivery, with many classes being offered virtually, and exams delivered through virtual exam software. Pharmaceutics and Applied Pharmacy Practice labs continued in person for the most part. Despite challenges with the pandemic, students were able to complete their experiential rotations in community and hospital locations on time.

We were delighted to welcome students back in-person in the fall of 2022, with a mask mandate in effect throughout the year. Our fourth-year graduating class was able to complete all of their experiential rotations and research projects throughout the academic year, without delays.

We would like to extend our sincere thanks to everyone who has worked so hard under new and difficult circumstances. Thank you to everyone who provided valuable learning experiences to our students! It takes commitment, effort, and teamwork to offer an excellent learning experience, and we are grateful to everyone involved for making important contributions.

Thank you very much.

Sincerely,

**Lavern M. Vercaigne**, B.Sc. Pharm, PharmD  
Associate dean (academic)



## UNDERGRADUATE SCHOLARSHIPS, BURSARIES AND PRIZES

The College of Pharmacy is grateful for the generous support of our alumni and donors in our communities. These scholarships, bursaries and prizes enable our students to achieve their full potential and celebrate their successes and achievements.

### UNDERGRADUATE PROGRAM

 **188**

**Currently enrolled students**

 **45**

**Graduates in 2021**  
*(no graduating class in 2022)*




 **49**

**Graduates in 2023**

 **8**

**Self-identified students with Indigenous ancestry**

### UNDERGRADUATE SCHOLARSHIPS, BURSARIES AND PRIZES

	 <b>Total \$ of scholarships, bursaries and prizes</b>	 <b>Students that received scholarships and prizes</b>	 <b>Recipients that were awarded two or more scholarships each</b>
2021	<input checked="" type="checkbox"/> <b>\$128,044</b> <i>(distributed 2021)</i>	<input checked="" type="checkbox"/> <b>26 students</b>	<input checked="" type="checkbox"/> <b>7 students</b>
2022	<input checked="" type="checkbox"/> <b>\$134,192</b> <i>(distributed 2022)</i>	<input checked="" type="checkbox"/> <b>32 students</b>	<input checked="" type="checkbox"/> <b>7 students</b>
Convocation 2023	<input checked="" type="checkbox"/> <b>\$4,628</b> <i>(distributed 2023)</i>	<input checked="" type="checkbox"/> <b>9 students</b>	<input checked="" type="checkbox"/> <b>3 students</b>

 **New scholarships, bursary and prizes**

Joseph Karr Scholarship

 **Teaching Awards 2021**  
*(Year 3: No class)*

Year 1: Dr. Ted Lakowski  
Year 2: Dr. Joseph Delaney  
Year 4: Dr. Lavern Vercaigne

 **Teaching Awards 2022**  
*(Year 4: No class)*

Year 1: Dr. Dennis Cote  
Year 2: Dr. Sheryl Zelenitsky  
Year 3: Ms. Heather MacPhee

 **2023 Graduation Celebration**

 **White Coat Ceremony**

 **Academic Awards Ceremony**

 **2023 – 2024 Academic Year**



## SCHOLARSHIP RECIPIENTS FALL 2021

Award Name	Student	Year in Program
Bletcher Memorial Scholarship	Sandrine Vermette	2
College of Pharmacists of Manitoba Scholarship	Sandrine Vermette	2
Donald J. Forsyth Memorial Scholarship	Sandrine Vermette	2
Doreen Ash Memorial Prize	Liam Nguyen	1
Dr. A.W. Hogg Undergraduate Scholarship	Bradley LeDrew	1
Dr. D. McDougall Memorial Scholarship	Wyatt Baloun	1
Dr. Roman (Roy) Bilous Scholarship	Eunice Valencia	1
Flexon Silver Medal	Eunice Valencia	1
Isbister Scholarship in Pharmacy	Bradley LeDrew	1
Joseph Karr Scholarship	Kelli McCarthy	1
	Linnea Nelson	1
Lori Fasano Scholarship	Kearley Abbott	1
Manitoba Pharmacists' Women's Auxiliary Scholarship	Sabina Ozog	2
Marguerite Hulme Scholarship in Pharmacy	Shaelyn Gustafson	Entrance
	Danielle Larocque	1
	Joyce Goubran	2
Mary and Joe Zeal Prize	Sabina Ozog	2
Merck Entrance Scholarship for Indigenous Students in Pharmacy	Melanie Poirier	1
Mrs. Ethel Roberts Memorial Prize	Daniel Luo	2
Pharmacy Class of 1966 Scholarship	Christine Vaccaro	2
	Emily Czaplinski	2
Pharmacy Class of 2004 Memorial Scholarship	Christine Vaccaro	2
Prize of Excellence for Clinical Therapeutics 1	Kearley Abbott	1
Ronald F. Guse Scholarship for Excellence in Pharmacy	Kezra Gerbrandt	Entrance
	Eunice Valencia	1
	Marianna Pozdirca	2
Rusty Ames Award	Christine Vaccaro	2
Shoppers Drug Mart Community Pharmacy Scholarship	Gian Aquino	2
	Jessica Shields	2
Stewart G. Wilcox Award	Marianna Pozdirca	2
William G. Eamer/ College of Pharmacists of Manitoba Undergraduate Scholarship	Kathleen Watts	Entrance
	Tan Jia Ming	Entrance
	Mark Livingston	1
	Simranpreet Dhaliwal	1
	Matthew Glass	2
	Suzie Lalopoulou	2
<b>\$63,344</b>	<b>Total</b>	

**SCHOLARSHIP RECIPIENTS FALL 2022**

Award Name	Student	Year in Program
Bletcher Memorial Scholarship	Kearley Abbott	2
Bonnie Schultz Memorial Scholarship	Sabina Ozog	3
College of Pharmacists of Manitoba Scholarship	Linnea Nelson	2
College of Pharmacists of Manitoba Silver Medal in Third Year Pharmacy	Sabina Ozog	3
David M. Collins Scholarship	Christine Vaccaro	3
Donald J. Forsyth Memorial Scholarship	Randi Frost-Hunt	2
Doreen Ash Memorial Prize	Randi Frost-Hunt	2
Dr. A.W. Hogg Undergraduate Scholarship	Shaelyn Gustafson	1
Dr. D. McDougall Memorial Scholarship	Jordan Moore	1
Dr. Roman (Roy) Bilous Scholarship	Shaelyn Gustafson	1
Flexon Silver Medal	Shaelyn Gustafson	1
Harry Singer Memorial Medal	Josie Abbot	3
Isbister Scholarship in Pharmacy	Shaelyn Gustafson	1
Janice (Jan) Coates Scholarship Supporting Equity, Access and Innovation in Pharmacy Experiential Education	Tori Hubbard	3
Joseph Karr Scholarship	Kathleen Watts	1
Lori Fasano Scholarship	Sarah Smith	1
Manitoba Pharmacists' Women's Auxiliary Scholarship	Camryn Miller	2
Marguerite Hulme Scholarship in Pharmacy	John Harvey Ancheta	Entrance
	Shaelyn Gustafson	1
	Danielle Larocque	2
	Joyce Goubran	3
Mary and Joe Zeal Prize	Eunice Valencia	2
Mike Kupfer Memorial Award	Christine Vaccaro	3
Pharmacy Class of 1966 Scholarship	Madison Wong	2
	Simranpreet Dhaliwal	2
Pharmacy Class of 2004 Memorial Scholarship	Marianna Pozdirca	3
Prize of Excellence for Clinical Therapeutics 1	Allison Dahl	1
Ronald F. Guse Scholarship for Excellence in Pharmacy	Chrissa Constantinides	Entrance
	Kezra Gerbrandt	1
	Eunice Valencia	2
	Marianna Pozdirca	3
Rusty Ames Award	Sandra Choi	2
Sanofi-Aventis Award in Law & Ethics	Jessie McTaggart	3
Shoppers Drug Mart Community Pharmacy Scholarship	Alyssa Marino	2
	Erin Lee	3
Stewart G. Wilcox Award	Eunice Valencia	2





## ►► SCHOLARSHIP RECIPIENTS FALL 2022

Award Name	Student	Year in Program
William G. Eamer/ College of Pharmacists of Manitoba Undergraduate Scholarship	Dana Yoon	Entrance
	Prabhdeep Gill	Entrance
	Marc Herrera	1
	Michelle Baier	1
	Bradley LeDrew	2
	Kearley Abbott	2
	Christine Vaccaro	3
	Suzie Lalopoulou	3
<b>\$72,092</b>	<b>Total</b>	

## CONVOCATION AWARD RECIPIENTS

No convocation awards presented for 2021-2022

Award Name	2020-2021	2022-2023
A. Langley Jones Leadership Award	Amy Todoruk	Christine Vaccaro
Abraham Schwartz Prize	Tristan Single	Sabina Ozog
Canadian Society of Hospital Pharmacists - Manitoba Branch Convocation Prize	Amber Keicher	Rebecca Zimmer
College of Pharmacists of Manitoba Gold Medal	Heather Carney	Sabina Ozog
College of Pharmacists of Manitoba President's Prize	Heather Carney	Alora Simpson
College of Pharmacists of Manitoba Silver Medal	Tristan Single	Laura Spado
David Stern Memorial Prize	Evelina Andrushchyshyn	Amber Fryza
Dr. J.R. Murray Convocation Prize	Megha Kaushal	Marianna Pozdirca
Frank Edick Memorial Prize	Heather Carney	Jerlyn Joyees
Halsey A. Park Memorial Prize	Marina Rofaeil	Sabina Ozog
Mark Rose Memorial Book Prize in Pharmacy	Tristan Single	<i>No award recipient</i>
Outstanding Paper in the Electives Program Award	Christina Deng and Kelsey Tanner	<i>No award recipient</i>
Pharmacists Manitoba and Canadian Pharmacists Benefits Association Award	Megha Kaushal	Marianna Pozdirca and Rebecca Zimmer
Pharmacy Class of 2009 – Passion & Commitment Award	Snimar Bali	Grace Okunnu
University Gold Medal in Pharmacy	Heather Carney	Sabina Ozog



### **MESSAGE FROM THE SENIOR STUDENT REPRESENTATIVE, CANADIAN ASSOCIATION OF PHARMACY STUDENTS AND INTERNS (CAPSI)**

Congratulations class for completing the 2022-2023 academic year! Thanks to the University lifting the pandemic restrictions, I was able to spend this past year with students in-person and create some unforgettable memories.

We kicked off the academic year hosting orientation for the incoming first-year students and CAPSI Awareness Week with a potluck at Assiniboine Park. We also showed our support for breast cancer awareness by participating in Pink Day and fundraised \$681.50 at Run for the Cure.

Our work continued throughout the fall term where we hosted CAPSI competitions including patient Interviews, compounding, over-the-counter counselling, Advice for Life and the student literary challenge. One memorable event in November was Manitoba's Next Top Pharmacist (MNTP). Students were able to showcase their talents and compete in fun contests like a prescription reading contest and spelling bee.

The winner went on to compete in Canada's Next Top Pharmacist.

Another memorable event was Professional Development Week. For the first time since 2020, we were able to gather the student body and attend an in-person Professional Development Week conference in Saskatoon. I am happy to announce that Manitoba showed up in a big way having the largest school attendance. The cheers during the Pharmafacts competition were unmatched! We also returned with some amazing accomplishments:

- First place in the OTC competition (congratulations Rebecca Zimmer)
- Second place in compounding (congratulations to Rachel Hysak, Wyatt Baloun, Randi Frost-Hunt and Brad LeDrew)
- Third place at Canadian's Next Top Pharmacist (congratulations to Karn Chahal)

Pharmacist Awareness Month (PAM) was a great success thanks to our amazing CAPSI junior representative Kezra Gerbrandt. We were able to host a multitude of events for the students and faculty.

Kezra and the PAM team planned:

- Paint and Plant night (painted pots for succulents)
- Karaoke night and real escape event
- Outreach programs at several high schools across Winnipeg
- Organized guest speakers: Pharmacist Manitoba, immunization and bipolar panel talk with a physician, pharmacist and clinical assistant
- Coordinated with CAPSI National for events like "Deep Breadth/Breath: What's New in Pneumonia Prevention?" and a counsel meet and greet
- Helped organized the Evidence Based practice competition (joint competition with Canadian Society of Hospital Pharmacists and CAPSI)
- Published Volume IV of the Apothecary: interviews with professors, leaders in the pharmacy industry and wellness (recipes and student work life balance articles)

We were then able to close out PAM with our long-standing tradition of a mock Objective Structured Clinical Examination (OSCE) event for the graduating class as practice for their upcoming Pharmacy Examining Board of Canada's licensing exams.

I would like to congratulate and thank all students for their contributions and accomplishments this year.

Cheers,

**Sandra Choi, B.Sc.**  
CAPSI senior student representative





## MESSAGE FROM THE UNIVERSITY OF MANITOBA PHARMACY STUDENTS ASSOCIATION (UMPHSA) PRESIDENT

A big congratulations to everyone for completing another academic year!

As I transition out of my role as president of the University of Manitoba Pharmacy Students' Association (UMPhSA), it feels bittersweet reflecting on my time with this council. These past two years were full of challenges and change but I'm so proud of the work our student leaders have put in to overcome and thrive within this program.

Under the fantastic leadership of Marianna Pozdirca for the 2021-2022 year, we managed to host an in-person Career Avenue once again. Despite all of us still attending lectures virtually, Marianna was able to coordinate this event at the Apotex Centre while following COVID-19 protocols to keep all those in attendance safe. This was incredibly special to our students as it was the first time in a while that the Class of 2023 got to see each other on campus and the first time ever the Classes of 2024 and 2025 were able to gather together under the same roof.

With travel resuming later in the term UMPHSA also reintroduced the UMPHSA Travel Grants program, which supported the travel expenses of four students attending conferences over the spring and summer of 2022. These grants helped contribute to the advancement of the pharmacy profession by allowing students to present research, participate in CAPSI National meetings and network with pharmacy leaders from across the country.

This year, UMPHSA hosted many in-person educational events including several lunch and learns as well as a Career Avenue that brought in 18 pharmacy organizations to provide a great opportunity for students to network with potential future employers.

With the initiative of our Class of 2024 graduation committee, our social convenor Bradley LeDrew, and the rest of the social committee, we were able to run several social events throughout the year, some new and some old. A Halloween social was brought to life and filled with fun costumes and prizes to be won. The Red Party was hosted for the first time since the pandemic and fundraised \$1,945 through ticket sales and donations that helped support Sunshine House.

With the help of our student body, staff, and fellow Rady Faculty of Health Science students, UMPHSA was able to raise funds for two worthy causes. The first cause was UMSU's annual Holiday Hamper program, which provided groceries and gifts to University of Manitoba students in need during the holiday season. UMPHSA was able to raise \$895 for this program. The second cause was Islamic Relief, an organization that provided aid to those affected by the earthquakes that hit Turkey and Syria earlier in the year. UMPHSA was able to raise \$602 for this cause.

The past two years of my time with UMPHSA have been incredibly rewarding and I feel so lucky to have been part of two amazing councils and contributed to all that they've accomplished. Thank you to everyone on UMPHSA for the 2021-2022 and 2022-2023 terms. You all helped make it such a memorable experience for me and everyone else in this program and your hard work did not go unnoticed.

Finally, I wish all the best to our incoming UMPHSA President Marc Herrera. I know he'll do amazing things!

Cheers,

**Madison Wong**, B.Sc.

UMPhSA president and CAPSI National president-elect



# Our Graduate Students

## GRADUATE PROGRAM



Frank Burczynski

### MESSAGE FROM THE GRADUATE PROGRAM CHAIRS

As the graduate program chairs, we are pleased to present an update on the College of Pharmacy's graduate program and its achievements during the 2021-2023 period. The outstanding commitment and hard work of our graduate students and their advisors have enabled our program to continue to thrive and expand, with exciting new research teams being formed.

We take immense pride in our diverse research program that provides students with opportunities to conduct research in various contexts, including bench work, patient care, and database research. Our graduate program comprises students from 12 different countries, with 67% of them being international students. This diversity of backgrounds, experiences, and expertise enriches the unique environment of the College of Pharmacy, making it a truly global and inclusive community.

Furthermore, we are excited to report that our concentration in pharmacoepidemiology continues to grow and succeed, with groundbreaking research that advances our understanding of drug use and safety.

We wish to express our heartfelt appreciation to our graduate students for their many accomplishments and invaluable contributions to the College of Pharmacy. We also extend our gratitude to the Pharmacy Graduate Studies Committee, including Dr. Ted Lakowski, Dr. Jill Stobart, Dr. Dana Turcotte, Dr. Sherif Eltonsy, and our student representative, Nitesh Sanghai, for their ongoing guidance and support. Lastly, we wish to recognize the contributions of Charity Pascual, whose dedication makes it all possible.

We remain committed to providing exceptional opportunities for our graduate students and fostering a culture of excellence and innovation. Thank you for your continued support.

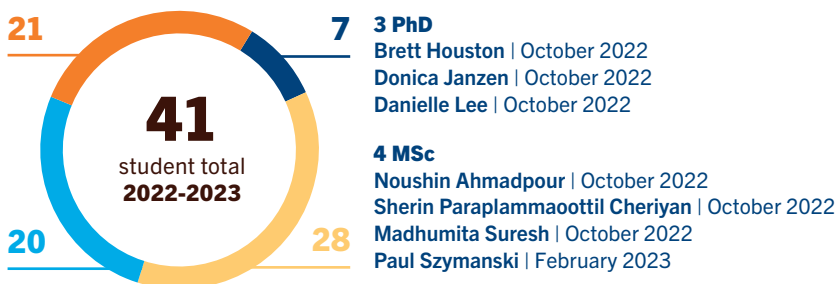
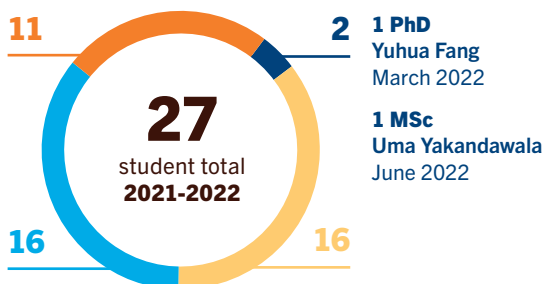
Sincerely,

**Frank Burczynski**, B.Sc. (Pharm), M.Sc., PhD  
Professor and graduate program co-chair

**Joseph Delaney**, PhD  
Associate professor and graduate program co-chair



Joseph Delaney



■ Master's students    
 ■ PhD students    
 ■ International students    
 ■ Graduated, MSc & PhD



**GRADUATE SCHOLARSHIPS, BURSARIES AND PRIZES 2021-2022**

Award Name	Recipients
Children’s Hospital Research Institute of Manitoba – Bronze award	Moni Mukta
College of Pharmacy Master’s Endowment/Graduate Stipend	Sherin Cheriyan
College of Pharmacy PhD Endowment/Graduate Stipend	Kevin Friesen
Faculty of Graduate Studies Research Completion Scholarship	Laila Aboulatta
	Liujun Chen
	Sherin Paraplammoottil Cheriyan
	Sai Krishna Gudi
	Yiheng Huang
	Oluwafolahanmi Ige
	Courtney Lawrence
	Wenxia Luo
	Alekhya Lavu
	Jessica Meza Resillas
Leslie F. Bugey Graduate Scholarship in Pharmacy	Nitesh Sanghai
Leslie F. Bugey Graduate Scholarship in Pharmacy	Uma Yakandwala
Professional Development Award, the Bioluminescence Imaging North America (BINA) Program of the Chan Zuckerberg Initiative (CZI)	Uma Yakandwala
Samuel and Beatrice Faiman Pharmacy Graduate Fellowship	Liujun Chen
University of Manitoba Graduate Fellowship	Laila Aboulatta
	Donica Janzen
	Thordur Hendrickson-Rebizant
William G. Eamer/College of Pharmacists of Manitoba Graduate Scholarship – Master’s student	Alekhya Lavu
	Jessica Meza Resillas

**GRADUATE SCHOLARSHIPS, BURSARIES AND PRIZES 2022-2023**

Award Name	Recipients
62 <sup>nd</sup> Birth Defects Research & Prevention (BDRP) Travel Scholarship	Alekhya Lavu
Best Oral Presentation Award, College of Pharmacy Research Day	Courtney Lawrence
Canadian Association of Medical Radiation Technologists of Ontario (CAMRT-O) bursary	Laila Aboulatta
Canadian Association of Medical Radiation Technologists of Ontario (CAMRT-O) Bursary for conference and summer school	Alekhya Lavu
Canadian Institutes of Health Research - Canada Graduate Scholarships – Master’s Program Scholarship	Thordur Hendrickson-Rebizant
Chinese/China Scholarship Council (CSC) award	Yiheng Huang
	Lisha Li
	Yiheng Huang
College of Pharmacy Research Day Poster Competition Award	Luis Armando Perez Davalos
College of Pharmacy Master of Science (MSc) Endowment/Graduate Stipend	Danish Malhotra
College of Pharmacy Doctor of Philosophy (PhD) Endowment/Graduate Stipend	Courtney Lawrence
Dean of Medicine Poster Award	Laila Aboulatta
Evelyn Shapiro Award	Laila Aboulatta
Faculty of Graduate Studies Research Completion Award	Laila Aboulatta
Faculty of Graduate Studies Research Completion Scholarship	Thordur Hendrickson-Rebizant
International Society of Pharmacoepidemiology 38 <sup>th</sup> International Conference on Pharmacoepidemiology (ISPE ICPE) Scholarship	Alekhya Lavu
Leslie F. Buggie Graduate Scholarship in Pharmacy	Wenxia Luo
Manitoba Training Program for Health Services Research	Lara Haidar
Multidisciplinary Health Research Experience (MHRE) Lecture	Courtney Lawrence
	Alekhya Lavu
Research Manitoba Master’s Scholarship	Meher Kantroo
Rural and Northern Bursary – University of Manitoba	Shahin Shabanipour Dehboneh
	Meher Kantroo
University of Manitoba Three Minute Thesis (3MT) Finalist	Alekhya Lavu
University of Manitoba Graduate Completion Award	Alekhya Lavu
University of Manitoba Graduate Fellowship	Md. Abdul Aziz
	Lara Haidar
	Gerald Trojillo
William G. Eamer/College of Pharmacists of Manitoba Graduate Scholarship – PhD student	Laila Aboulatta
Wilson Publication Presentation Award	Laila Aboulatta
Women’s Health Research Foundation of Canada Graduate Scholarship	Amr Abostait





Samuel Akinola

## MESSAGE FROM THE GRADUATE STUDENT COUNCIL

We are pleased to report on the activities of the Graduate Student Council (GSC) at the University of Manitoba during the 2022-2023 academic year.

In October 2022, the GSC welcomed its new executive team with Samuel Akinola as president and Shahin Shabanipour and Lara Haidar as vice presidents of Basic Sciences and Pharmacoepidemiology/ Clinical Pharmacy respectively.

The executive team has since worked to provide engaging and informative events for the graduate student community.

The GSC has hosted numerous social and academic gatherings throughout the year, such as a potluck event that brought students together to share their favorite dishes and a festive Christmas party with gifts and lunch at a selected restaurant.

The GSC also supported a two-day virtual workshop organized by the International Society for Pharmacoepidemiology (ISPE) and International Society for Pharmacoeconomics and Outcomes Research (ISPOR) student chapters of the University of Manitoba, which featured industry and academic speakers on topics in pharmacoepidemiology, pharmacoeconomics, health outcomes and knowledge translation research.

These events were well-attended and received positive feedback from the graduate student community.

We are also proud to report that the GSC has initiated the registration and recognition of these activities on the co-curricular record for the current and incoming executives.

This ensures that these activities will be documented and recognized, adding value to the executive team's academic and professional profiles.

The GSC began its annual summer seminar series in May, featuring pharmaceutical executives as the keynote speakers at the first session. The series ran until the end of August with future sessions featuring academic speakers from the University of Manitoba and other Canadian universities.

Furthermore, the GSC organized a summer camping trip for graduate students in June, providing a delightful and unforgettable opportunity to celebrate the conclusion of the academic year.

Looking ahead, the council, with the support of the Dean, Dr. Raman-Wilms, will establish a well-being committee responsible for overseeing the welfare of graduate students. Under the guidance of the council and the invaluable support of Dr. Raman-Wilms, the well-being committee will employ a proactive approach in identifying and addressing the diverse needs and challenges faced by graduate students. The committee will work in tandem with academic staff, counselors, and other relevant stakeholders to create a comprehensive network of support for graduate students.



Shahin Shabanipour



Lara Haidar

Sincerely,

**Samuel Akinola**  
President

**Shahin Shabanipour**  
Vice-president

**Lara Haidar**  
Vice-president



# Our Team

 **49**

**Academic members**  
38 faculty and 13  
additional academic  
members

 **14**

**Administrative  
staff members**

 **188**

**Preceptors involved  
in rotations**

 **71**

**Clinical teacher  
nil-salaried academic  
appointments**

## FACULTY AND STAFF

Our College of Pharmacy team is comprised of a dynamic and accomplished group of faculty and staff members. This dedicated team plays a crucial role in the success of our college.

We have a total of 49 academic members, including four part-time and three sessional faculty members. These individuals contribute their expertise and knowledge to our college, fostering an environment of academic excellence in our college's programs. Additionally, we have 14 administrative staff members who provide vital support in various administrative functions, ensuring the smooth operation of our college.

In addition to our faculty and staff, we are fortunate to work with 188 active preceptors. These preceptors play an invaluable role in enhancing our experiential education program, offering practical training and real-world insights to our students.

Furthermore, we are privileged to have the support of numerous academics and professionals with nil-salaried appointments. These individuals make significant contributions to our mission of research, education and service, further enriching our academic community.

Under the guidance of our leadership team, our college continues to thrive. Dr. Lalitha Raman-Wilms serves as the dean of the college, while Dr. Lavern Vercaigne and Dr. Hope Anderson and Dr. Xiaochen Gu fulfill the roles of associate dean (academic) and associate dean (research), respectively. Dr. Sheryl Zelenitsky, Dr. Joseph Delaney and Dr. Frank Burczynski served as graduate program co-chairs. Currently, Dr. Silvia Alessi-Severini and Dr. Hope Anderson serve as the graduate program co-chairs, contributing to the advancement of our graduate programs. Ron Eros, as the director of experiential education, plays a crucial role in shaping our students' practical training. Supported by our manager Laura-Lee Bouchard and finance officer Nicole Graham-Tetrault, the College of Pharmacy successfully fulfills its mission and strategic priorities.



We are very also fortunate to receive support from various teams and units within our college and beyond. The communications, marketing, alumni relations, and donor relations teams ensure effective communication and strong relationships with our stakeholders. The faculty development office and integrated accreditation unit contribute to our professional growth and continuous improvement. Additionally, the five vice-dean portfolios of the Rady Faculty of Health Sciences provide us with valuable guidance and resources.

Lastly, we extend our appreciation to Mé-Linh Le, the pharmacy librarian in the Neil John Maclean Health Sciences Library, for her valuable support in assisting our college and its academic programs.

Together, our dedicated faculty, staff, preceptors and supporting teams form a cohesive and collaborative community, driving the success of the College of Pharmacy.

### Advanced Pharmacy Practice Experience (APPE)



# 196

Rotations completed



# 72

Sites



# 17

Sites outside of Winnipeg

### Introductory Pharmacy Practice Experience (IPPE)



# 169

Rotations completed



# 92

Sites



# 25

Sites outside of Winnipeg

## OFFICE OF EXPERIENTIAL EDUCATION

### INTRODUCTION OF ADVANCED PHARMACY PRACTICE EXPERIENCE (APPE):

In May 2022, the Office of Experiential Education introduced the Advanced Pharmacy Practice Experience (APPE) as a new component of our program. The APPE provided PharmD students with the opportunity to undertake rotations in various settings, including community pharmacy, hospital pharmacy, primary care, and an elective rotation at various sites. Each rotation spanned eight weeks, resulting in a total of 196 rotations completed across 72 sites. Notably, 17 of these sites were located outside of Winnipeg. Throughout the APPE, students benefitted from the guidance and mentorship of 188 preceptors, gaining invaluable real-world experience.

### INTRODUCTORY PHARMACY PRACTICE EXPERIENCE (IPPE) ROTATIONS:

During this period, the second and third Introductory Pharmacy Practice Experience (IPPE) rotations were carried out. Year 2 students were placed in a total of 92 pharmacies, with 25 of them situated outside of Winnipeg. In total, 169 IPPE rotations were completed, with an emphasis on encouraging students to explore experiential opportunities beyond Winnipeg.

### DIRECT PATIENT CARE DURING ROTATIONS:

Throughout the rotations, students actively engaged in direct patient care, taking on various responsibilities. These included prescription review and processing, conducting best possible medication histories (BPMH), medication reconciliation, patient education, medication prescribing for smoking cessation and urinary tract infections, community presentations, interdisciplinary education sessions, administration of vaccines and other medications, participation in patient care rounds, discharge counseling in hospitals, and providing care to indigenous patients in urban and rural/remote areas.

### EXPERIENTIAL EDUCATION FACILITATORS:

To support the smooth operation of rotations, our team of experiential education facilitators expanded. Eddie Ahoff, Dr. Ruchi Kumra, and Lindsay Filz joined Britt Kural and Karin Ens in their roles. Sylvie Backman serves as the experiential education assistant, Kelly Drummond as the experiential program coordinator, and Ron Eros as the director of experiential education. The collective efforts of this team have been instrumental in managing this expanding program.

### PREPARATION OF PRECEPTORS:

Recognizing the importance of well-prepared preceptors, we have implemented a Preceptor Development Program. Each preceptor completes four preceptor development modules to enhance their skills and knowledge. Additionally, we hold annual Preceptor Recognition events, providing further professional development opportunities. These initiatives ensure that our preceptors are equipped to deliver high-quality education and support to our students during experiential education rotations.

### CLINICAL TEACHER NIL-SALARIED ACADEMIC APPOINTMENTS:

We take pride in offering preceptors the opportunity to apply for formal clinical teacher nil-salaried academic appointments, either as a preceptor or a senior preceptor. These designations establish a stronger affiliation between preceptors and the College of Pharmacy, strengthening their connection to education. Preceptors holding these appointments receive recognition for their teaching service during experiential education rotations and their contributions to the curriculum. At the end of this period, we are pleased to report a total of 71 clinical teacher nil-salaried academic appointments.



## PHARMACY PRECEPTOR AWARDS

We are excited to highlight the exceptional contributions of our preceptors at the College of Pharmacy. Through their dedicated mentorship and guidance, our preceptors play a critical role in shaping the future of pharmacy and advancing the education of our students.

The Preceptor of the Year awards recognize outstanding mentors who guide and encourage pharmacy students and supervise their clinical experience. The nominations come from graduating pharmacy students.

**Kaila Bull,**  
Hospital Pharmacy Preceptor  
of the Year



We are pleased to announce that Kaila Bull has been named the 2022 Introductory Pharmacy Practice Experience (IPPE) Hospital Preceptor of the Year. Kaila graduated from the College of Pharmacy in 2012 and has since developed a wealth of experience in community pharmacy. She then transitioned to hospital practice, where she has spent time at several health care facilities including Health Sciences Centre (HSC), Community Intravenous Program (CIVP), St. Boniface Hospital (SBGH), and Concordia Hospital, where she has been for the past three years.

As a preceptor, Kaila places a strong emphasis on goal-setting and effective communication with her students. She has found that setting Specific, Measurable, Achievable, Relevant, and Time-bound (SMART) goals at the beginning of rotations can help students stay focused and motivated throughout their time at the hospital.

In addition, Kaila sets aside 10-15 minutes each day to check in with her students and address any questions or concerns they may have.

By doing so, she ensures that her students receive the support they need to succeed.

One of the key skills that Kaila imparts to her students is the development of a workflow system. By the end of their rotation, Kaila's students have learned to independently review outstanding tasks such as new patient work-ups, clinical lab work, and drug information questions. They then prioritize and plan the order in which they will approach these tasks. Kaila provides guidance and feedback to ensure that her students develop the skills they need to succeed in the fast-paced world of hospital pharmacy.

Kaila's dedication to her students has not gone unnoticed. She was nominated for the IPPE Hospital Preceptor of the Year award by Celine Mansour, a member of the Doctor of Pharmacy (PharmD) class of 2024. We congratulate Kaila on this well-deserved honour and thank her for her ongoing commitment to the education and development of future pharmacists.

**Salil Prashar,**  
Community Pharmacy  
Preceptor of the Year



We are proud to announce that Salil Prashar has been named the 2022 Introductory Pharmacy Practice Experience (IPPE) Community Preceptor of the Year. Salil is the Pharmacy Manager at Walmart Pharmacy's Lakewood location and has been an instrumental figure in shaping the next generation of pharmacists. Salil graduated from the College of Pharmacy in 2014 and has been with Walmart ever since.

When asked for his tips for fellow preceptors, Salil emphasized the importance of remembering what it was like to be a student and what he enjoyed about his own rotations. Salil credits his fourth-year preceptor and current colleague, Anthony Davis, for tailoring his rotation to meet his goals and interests, and now asks the same question of all his students. By doing so, he ensures that his students receive a personalized and meaningful experience that prepares them for success in their future careers.

Salil's commitment to his students has not gone unnoticed. He was nominated for the IPPE Community Preceptor of the Year award by Alyssa Marino, a member of the Doctor of Pharmacy (PharmD) program. Alyssa shared many wonderful comments in her nomination, highlighting Salil's passion for the profession of pharmacy and his patients. She remarked that she could not have asked for a more incredible introduction to community pharmacy and that Salil's adaptability to each student's learning style was a key factor in her success.

We are grateful for Salil's dedication to the education and development of future pharmacists and congratulate him on this well-deserved recognition. His commitment to personalized and effective teaching methods has left an indelible mark on his students and will undoubtedly continue to shape the future of the pharmacy profession.



# Our Research



Xiaochen Gu

## MESSAGE FROM THE ASSOCIATE DEAN (RESEARCH)

During this reporting period, we experienced the unprecedented pandemic closure and then gradual returning to the campus.

College of Pharmacy research faculty, graduate and undergraduate trainees, and support staff have made greater and resilient efforts in overcoming various challenges and adapting to constantly changing circumstances with smooth and productive output of all research and scholarly activities over this time.

Research grant applications and collaborations continued throughout the pandemic times; moreover, principal investigators and their trainees quickly responded to the impacts caused by COVID-19 and initiated various studies to evaluate drug use demands and health-care policies in association to pandemic circumstances.

The training of student learners also continued in research inside and outside of laboratories; the students succeeded in meeting research and scholarly outcomes with flexibility, adaptability and capability.

In the College of Pharmacy, our diverse research pursuits encompass the fields of basic sciences, clinical practice and population health/health policy sciences. These multidisciplinary and interdisciplinary research and scholarly activities ensure the success and productivity of our faculty, their trainees and the college.

All of the above has been facilitated by staff tasked with supporting College of Pharmacy research and scholarly activities in terms of the creation and maintenance of a safe and effective return-to-work environment, including scheduling consistent communication.

Many thanks to all who have contributed to our successes in research and scholarly activities at the College of Pharmacy.

Sincerely,

**Xiaochen Gu**, PhD

Professor and associate dean (research) 2022-2023

**Dr. Hope Anderson**, PhD

Professor and associate dean (research), 2021-2022



Dr. Hope Anderson

 **24**  
Faculty  
researchers

 **35**  
Publications

 **17**  
New grants  
Initiated

 **50**  
Successful grant  
applications

 **25**  
Conference  
presentations

Funding totals:

\$1,846,999 (2021-2022)

\$2,131,270 (2022-2023)



## RESEARCH EVENTS

### UNDERGRADUATE SUMMER STUDENT RESEARCH AWARDS

In 2021 to 2022, the College of Pharmacy provided 42 research positions for undergraduate students. Eight of those students were recipients of the College of Pharmacy Undergraduate Research Award. Despite the challenges posed by COVID-19, the College welcomed students back to campus for research activities and experiences, and students found unique ways to achieve their research goals.

### RESEARCH AND GRADUATE STUDIES CELEBRATION

In 2022, the Graduate Studies Celebration and Research Day were held virtually. The two scholarship recipients, Jessica Meza Resillas (awarded the William G. Eamer / College of Pharmacists of Manitoba Graduate Scholarship) and Uma Yakandawala (awarded the Leslie F. Buggie Graduate Scholarship in Pharmacy), presented their 3-minute thesis-style presentations during the Graduate Studies Celebration.

Dr. Helen Tremlett, professor of neurology at the University of British Columbia and Canada Research Chair in neuroepidemiology and multiple sclerosis (MS), was invited as the keynote speaker to present at the Research Day event. Her keynote highlighted how anonymized health databases can be mined to study “real-world” drug effects in large populations.

## COMBINED EVENT

On March 1, 2023, the College held its first in-person event since 2020, combining the Research Day, annual Graduate Studies Celebration, and Faiman Lecture, along with presentations by the winners of the research poster competition. The event highlighted the achievements and successes of the graduate students in academics and research, and faculty, staff, special guests, and a keynote speaker joined in celebrating the accomplishments of undergraduate and graduate students and post-doc trainees.

Two scholarship recipients, Laila Aboulatta (awarded the William G. Eamer / College of Pharmacists of Manitoba Graduate Scholarship) and Wenxia Luo (awarded the Leslie F. Buggie Graduate Scholarship in Pharmacy), presented their 3-minute thesis-style presentations at the event.

The event also featured the Morris D. Faiman Lecture keynote addressed by Dr. Christine Allen, Professor of Pharmacy from the University of Toronto, whose presentation entitled “Technological Approaches to Accelerate Development of Advanced Drug Delivery Strategies” gave an interesting summary of using AI, machine learning, and experimental automation to fast-track drug formulation and development.

During the ceremony, Dr. Raman-Wilms thanked Dr. William Eamer and honored the late Dr. JoAnne Buggie, a long-time friend and supporter of the College of Pharmacy, for their generous financial contributions to graduate studies and other scholarly activities over the years.





Dr. Lucy Marzban

## FUNDED RESEARCH:

<b>S. Alessi-Severini</b>	<ul style="list-style-type: none"> <li>▪ Use of smoking cessation meds in Manitoba</li> <li>▪ Pfizer</li> <li>▪ \$19,000</li> </ul>
L. Scruby (PI) <b>S. Alessi-Severini</b> M. Fricke I. Whetter N. Harder A. Isse	<ul style="list-style-type: none"> <li>▪ Designing interprofessional simulation based on student feedback and evidence in the practice of refugee health care provision</li> <li>▪ Manitoba Centre for Nursing and Health Research (MCNHR) Collaborative Health Research Grant</li> <li>▪ \$7,500</li> </ul>
<b>A. Maruf (PI)</b> <b>C. Leong</b> A. Singer	<ul style="list-style-type: none"> <li>▪ Potential impact of implementing pharmacogenetic testing in primary care practice across Manitoba</li> <li>▪ University Research Grant Programs (URGF)</li> <li>▪ \$8,400</li> </ul>
P. Ayotte (PI) <b>A. Maruf</b> E. Avar G. Massé M. Lemire M. Kwan M. Lucas P. Dumas	<ul style="list-style-type: none"> <li>▪ Do country food nutrients protect against mercury toxicity and cardiometabolic diseases?</li> <li>▪ Integrating data from cutting-edge science and mobilizing knowledge towards Nunavummiut health</li> <li>▪ Northern Contaminants Program: Aboriginal Affairs and Northern Development Canada</li> <li>▪ \$150,000</li> </ul>
C. Bousman (PI) P. Arnold <b>A. Maruf</b>	<ul style="list-style-type: none"> <li>▪ Pharmacogenetics of antidepressant-induced disinhibition in children and adolescents (PGX-AID)</li> <li>▪ Hotchkiss Brain Institute</li> <li>▪ \$90,000</li> </ul>
<b>H. Anderson</b>	<ul style="list-style-type: none"> <li>▪ Cognitive decline during cardiovascular disease – role of brain-penetrating arteries</li> <li>▪ Donor Support (Bugey/College of Pharmacy)</li> <li>▪ \$65,000</li> </ul>

**H. Anderson (PI)**  
Y. Etzion

- Protective mechanisms of cannabinoid receptor signaling in atrial fibrillation
- Research without Borders, St. Boniface Hospital Foundation
- \$150,000

G. Chander (PI)  
**J. Delaney**

- Alcohol research Consortium in HIV (ARCH): Ending the HIV epidemic through interventions and epidemiology at the intersection of the alcohol and HIV care continua
- ARCH
- \$22,000 USD

**S. Eltonsy (PI)**  
**S. Alessi-Severini**  
**J. Delaney**  
**J. Falk**  
**K. Kowalec**  
**C. Leong**  
D. Chateau  
R. Helewa  
C. Raimondi

- The impact of population-level physical distancing during COVID-19 pandemic on health care services in Manitoba: A focus on vulnerable populations
- 2020 Research Manitoba COVID-19 Rapid Response Research Grant
- \$150,000

**J. Falk (PI)**  
S. Bugden

- Manitoba opioid atlas
- College of Pharmacists of Manitoba
- \$6,500

W. Leslie (PI)  
A. Goertzen  
**J. Falk**  
S. Derkatch  
M. Bryanton  
P. Martineau

- Artificial intelligence in health: a multidisciplinary research team
- Rady Innovation Fund Team Grant
- \$97,590

B. Houston (PI)  
R. Zarychanski  
T. Mutter  
E. Jacobsohn  
G. Buduhan  
**J. Falk**  
R. Balshaw

- Tranexamic acid use to safely reduce transfusion in major non-cardiac surgery (traction): A pragmatic, registry-based, pilot randomized controlled trial
- Health Sciences Centre Foundation Operating Grant
- \$35,000

**X. Gu**

- In vitro permeation of various APIs from compounding preparations through excised human skin and other biological cell models
- Medisca Canada, Industrial Service Contracts
- \$127,712 grant

**K. Kowalec (PI)**  
Y. Sullivan

- A trans-Nordic study of extreme major depression
- National Institutes of Health (NIH) R01
- \$620,000

**K. Kowalec (PI)**  
Marrie  
Bolton  
Bernstein  
Hitchon

- Understanding psychiatric comorbidity in multiple sclerosis using genetics
- The Consortium of Multiple Sclerosis Centers Pilot Grant Competition
- \$40,000 USD, \$51K CDN
- Psychiatric disorder genetic risk scores as a correlate of disease activity and progression in MS
- US Department of Defense Multiple Sclerosis Research Program
- \$309,114

<p>A. Salter (PI) K. Kowalec</p>	<ul style="list-style-type: none"> <li>▪ Comorbidity and clinical trials of disease-modifying therapies in multiple sclerosis</li> <li>▪ US Department of Defense Multiple Sclerosis Research Program</li> <li>▪ \$500,000 USD</li> </ul>
<p>K. Kowalec (PI) S. Bernatsky</p>	<ul style="list-style-type: none"> <li>▪ Enhancing CAN-AIM capacity to respond to drug safety and effectiveness queries</li> <li>▪ DMC-166262, Canadian Institutes for Health Research Team Grant</li> <li>▪ \$2,550,000</li> </ul>
<p>K. Kowalec (PI) S. Hewko</p>	<ul style="list-style-type: none"> <li>▪ Capitalizing on our differences: A gathering to better understand and advocate for early career health researchers in Canada</li> <li>▪ Canadian Institutes of Health Research (CIHR) Planning and Dissemination Grants</li> <li>▪ \$10,000</li> </ul>
<p>B. Drögemöller (PI) K. Kowalec</p>	<ul style="list-style-type: none"> <li>▪ Precision genomics suite</li> <li>▪ Canada Foundation for Innovation (CFI) – John R. Evans Leaders Fund (JELF)</li> <li>▪ \$1,320,000</li> </ul>
<p>H. Labouta</p>	<ul style="list-style-type: none"> <li>▪ Tracking the accumulation of gold nanoparticles in tumour tissues</li> <li>▪ Manitoba Medical Service Foundation Operating Grant</li> <li>▪ \$30,000</li> </ul> <hr/> <ul style="list-style-type: none"> <li>▪ Combined in vitro experimental and computational approaches for predicting the identity and behaviour of protein corona-adsorbed nanoparticles</li> <li>▪ Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant</li> <li>▪ \$180,500</li> </ul> <hr/> <ul style="list-style-type: none"> <li>▪ Strategic partnership with Zewail City of Science and Technology: designing next-generation nanoparticles for biomedical applications</li> <li>▪ University International Program and Project Seed Fund (UIPPSF)</li> <li>▪ \$10,000</li> </ul>
<p>H. Labouta (PI) R. Keijzer</p>	<ul style="list-style-type: none"> <li>▪ Transplacental delivery of microRNA-loaded nanoparticles for corrective congenital therapy before birth</li> <li>▪ New Frontiers in Research Fund – Exploration Stream</li> <li>▪ \$75,000</li> </ul>
<p>T. Lakowski</p>	<ul style="list-style-type: none"> <li>▪ CRCEF stage 3 funding</li> <li>▪ National Sciences &amp; Engineering Research Council of Canada (NSERC) CRCEF stage 3 funding</li> <li>▪ \$9,493</li> </ul> <hr/> <ul style="list-style-type: none"> <li>▪ The mechanisms of enzymes catalyzing epigenetic post-translational modifications</li> <li>▪ National Sciences &amp; Engineering Research Council of Canada (NSERC) Discovery COVID-19 extension with funding</li> <li>▪ \$32,000</li> </ul>
<p>T. Lakowski</p>	<ul style="list-style-type: none"> <li>▪ The mechanisms of enzymes catalyzing epigenetic post-translational modifications</li> <li>▪ National Sciences &amp; Engineering Research Council of Canada (NSERC) Discovery early career extension with funding</li> <li>▪ \$32,000</li> </ul> <hr/> <ul style="list-style-type: none"> <li>▪ Quantifying changes in histone and DNA modifications with drug treatment and diseases</li> <li>▪ University of Manitoba Small Research Equipment Funding Program (SREF)</li> <li>▪ \$25,000</li> </ul>



<p><b>T. Lakowski (PI)</b> J. Davie E. Ho</p>	<ul style="list-style-type: none"> <li>▪ Oligonucleotide-bioconjugate mediated repression of the HOXA9 gene to treat mixed-lineage leukemia</li> <li>▪ Canadian Institutes of Health Research (CIHR)</li> <li>▪ \$699,975</li> </ul>
<p>D. Miller (PI) <b>T. Lakowski</b></p>	<ul style="list-style-type: none"> <li>▪ Development and clinical assessment of novel biomarker drugs targeting SSAT1 for detection and therapeutic monitoring of glioblastoma</li> <li>▪ Canadian Institutes of Health Research (CIHR), Certified Human Resources Professional (CHRP), National Sciences &amp; Engineering Research Council of Canada (NSERC)</li> <li>▪ \$753,432 (NSERC: \$342,671, CIHR: \$410,761)</li> </ul>
<p><b>C. Leong (PI)</b> <b>K. Kowalec</b> <b>J. Delaney</b> <b>S. Eltonsy</b> <b>S. Alessi-Severini</b> D. Chateau J. Bolton M. Enns J. Sareen</p>	<ul style="list-style-type: none"> <li>▪ Evaluating the impact of COVID-19 public health measures on healthcare utilization, psychotropic drug use, and mortality among individuals living with mental illness: A population-based study using administrative data</li> <li>▪ 2020 Research Manitoba COVID-19 Rapid Response Research Grant</li> <li>▪ \$100,000</li> </ul>
<p><b>L. Marzban</b></p>	<ul style="list-style-type: none"> <li>▪ Development of a new therapeutic strategy to enhance survival of transplanted islets in diabetes – blocking amyloid formation in islet grafts: Abhimanyu Gupta</li> <li>▪ University of Manitoba Undergraduate Research Award</li> <li>▪ \$7,000</li> </ul> <hr/> <ul style="list-style-type: none"> <li>▪ Development of a new therapeutic strategy to enhance survival of transplanted islets in diabetes – modulating interleukin-1 receptor signaling in beta cells: Nuha Iqbal</li> <li>▪ University of Manitoba Undergraduate Research Award</li> <li>▪ \$7,000</li> </ul>
<p><b>S. Pauls</b></p>	<ul style="list-style-type: none"> <li>▪ Development of a new therapeutic strategy to enhance survival of transplanted islets in diabetes blocking islet amyloid formation during pre-transplant culture period: Max Fidel</li> <li>▪ University of Manitoba Undergraduate Research Award</li> <li>▪ \$7,000</li> </ul> <hr/> <ul style="list-style-type: none"> <li>▪ New insights into islet amyloid pathology in diabetes</li> <li>▪ University Research Grant Programs (URGF)</li> <li>▪ \$9,900</li> </ul>
<p><b>S. Pauls</b></p>	<ul style="list-style-type: none"> <li>▪ Effects of macronutrient stress in monocytes</li> <li>▪ University Research Grant Programs (URGF)</li> <li>▪ \$9,956 grant</li> </ul>
<p><b>D. Qi</b></p>	<ul style="list-style-type: none"> <li>▪ Macrophage migration inhibitory factor (MIF), a novel factor regulates hyperphagia and obesity associated with atypical antipsychotics</li> <li>▪ Canadian Institutes of Health Research (CIHR)</li> <li>▪ \$130,050 per year</li> </ul> <hr/> <ul style="list-style-type: none"> <li>▪ The regulation of adipose derived MIF: a novel secretory function of preadipocytes mediated by PAR2</li> <li>▪ National Sciences &amp; Engineering Research Council of Canada (NSERC)</li> <li>▪ \$26,000</li> </ul>

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B. Farrell  
J. Conklin  
L. Cranley  
L. McCarthy  
**L. Raman-Wilms**

- Connecting and engaging people to facilitate shared decision-making for medication management in long-term care
- Government of Ontario through the Bruyère Centre for Learning, Research and Innovation in Longterm Care
- \$40,000

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D. Martin (PI)  
J. Hamilton  
P. Thilie  
J. Jones  
**L. Raman-Wilms**  
C. Monnin  
J. Gruber

- Towards Gender Equity: Factors Shaping Promotion and Leadership Opportunities in the Rady Faculty of Health Sciences from the Perspectives of Faculty
- University Collaborative Research Program, University of Manitoba
- \$25,000

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- Brain pericyte calcium signaling during vasomotion and neurovascular coupling
- Brain Canada
- \$48,000

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- Brain pericyte calcium signaling in health and disease
- Canadian Institutes of Health Research (CIHR) Early Career Award
- \$115,000

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**J. Stobart**

- The progression of brain pericyte alterations in Alzheimer’s disease and aging
- Canadian Institutes of Health Research (CIHR) Project Grant
- \$168,000

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- Brain mural cell dysfunction and blood flow changes in aging
- Manitoba Medical Service Foundation
- \$25,000

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- Delineation of astrocyte microdomain calcium events during cortical activity
- National Sciences & Engineering Research Council of Canada (NSERC) Discovery Grant
- \$205,000

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**J. Stobart (PI)**  
J. Chopek

- A functional imaging suite for interrogation of neural networks
- Canada Foundation for Innovation (CFI) – John R. Evans Leaders Fund (JELF)
- \$841,881

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**G. Tranmer**

- Development of next generation topoisomerase I inhibitors
- 2022 University of Manitoba Research Grants Program (URGP)
- \$10,000, 1 year

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**G. Tranmer (PI)**  
J. Kong  
A. Collier

- Development of novel agents for the treatment of amyotrophic lateral sclerosis: Discovery and proof-of-concept
- 2023 Canadian Institutes of Health Research (CIHR) Project Grant Competition
- \$100,000, bridge grant for 1 year

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**S. Zelenitsky (PI)**  
**T. Lakowski**

- Optimizing antibiotic dosing for patients on hemodialysis: A high-risk population
- Kidney Foundation of Canada (KFOC)
- \$99,892

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- Optimizing antibiotic dosing for patients on hemodialysis: A high-risk population
- Kidney Foundation of Canada
- \$99,890

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## **CANADIAN PHARMACY EDUCATION AND RESEARCH CONFERENCE**

Canadian Pharmacy Education and Research Conference (CPERC 2023) successfully took place from June 13-16 at the renowned Fort Garry Hotel in Winnipeg, Manitoba.

Co-hosted by the University of Manitoba and the University of Saskatchewan, the event provided a platform for pharmacy educators and researchers to reconnect and exchange knowledge.









**College of Pharmacy | Rady Faculty of Health Sciences**

Apotex Centre

750 McDermot Avenue West

University of Manitoba (Bannatyne campus)

Winnipeg, MB R3E 0T5 Canada

[pharmacy@umanitoba.ca](mailto:pharmacy@umanitoba.ca)

204-474-9306

[umanitoba.ca/pharmacy](http://umanitoba.ca/pharmacy)



**University  
of Manitoba** | Rady Faculty of  
Health Sciences