

Peter Zhang, PharmD, MBA

Pharmaceutical Industry Professional
Hospital Pharmacist
Board Director

e. petercm.zhang@rotman.utoronto.ca
t. PCMZhang
w. peterczhang.com

Education

2020 – 2022 | **Master of Business Administration**
Rotman School of Management, University of Toronto

2017 – 2021 | **Doctor of Pharmacy with Honours**
Leslie Dan Faculty of Pharmacy, University of Toronto

2013 – 2017 | **Honours Bachelor of Science with High Distinction**
Faculty of Arts & Science, University of Toronto

Research Experience

2018 – 2020 | **Munk School of Global Affairs and Public Policy** | Researcher
Conducted a qualitative study in India to investigate polio elimination in Uttar Pradesh and Bihar as a member of the Reach Alliance

2019 – 2020 | **Leslie Dan Faculty of Pharmacy** | Project Researcher
2018 – 2019 | **Leslie Dan Faculty of Pharmacy** | Lab Assistant
Investigated the role of JMJD6, RBM39 in alternative splicing pathways mediated by the glucocorticoid receptor and the ARGLU1 protein

2017 – 2017 | **University of York** | Project Researcher
Conducted laboratory techniques such as cell staining, flow cytometry, and RNA extraction to investigate monocyte activation in the context of leishmaniasis

2016 – 2017 | **Temerty Faculty of Medicine** | Undergraduate Researcher
Conducted laboratory techniques including qPCR, genotyping, ELISA, bone marrow harvesting, and RNA extraction to investigate dendritic cell differentiation in the context of Crohn's disease

2014 – 2015 | **Ontario Institute for Studies in Education** | Undergraduate Researcher
Administered psychometric tests to elementary school students to investigate language acquisition differences between bilingual and multilingual learners

Publications

1. **Zhang, P.C.**, Austin, Z. (2023). To succeed as health care innovators, pharmacists need to cultivate an entrepreneurial mindset. *Canadian Pharmacists Journal / Revue Des Pharmaciens Du Canada*, 156(3), 100-111. doi:10.1177/17151635231164622
2. Ho, C., **Zhang, P.C.** (2022). Patient Safety from a Pharmacy Perspective. In: *Encyclopedia of Evidence in Pharmaceutical Public Health and Health Services Research in Pharmacy*. Springer, Cham. https://doi.org/10.1007/978-3-030-50247-8_72-1

3. Daud, A., Hussein, I. M., **Zhang, P. C.**, Ahmed, Y., Trac, J., Vujovic, N., Rizvi, S. F., & Kuzyk, P. R. (2021). 3D-Printed personal protective face shields during the covid-19 pandemic: A survey of Canadian frontline workers. *Cureus*. <https://doi.org/10.7759/cureus.18141>
4. **Zhang, P. C.** (2021). The future of pharmacy is intertwined with digital health innovation. *Canadian Pharmacists Journal / Revue Des Pharmaciens Du Canada*. <https://doi.org/10.1177/17151635211044474>
5. Bellatin, A., Hyder, A., Rao, S., **Zhang, P. C.**, & McGahan, A. M. (2021). Overcoming vaccine deployment challenges among the hardest to reach: Lessons from polio elimination in India. *BMJ Global Health*, 6(4), e005125. <https://doi.org/10.1136/bmjgh-2021-005125>
6. **Zhang, P.C.**, Ahmed, Y., Hussein, I.M. et al (2020). Optimization of community-led 3D printing for the production of protective face shields. *3D Print Med* 6, 35. <https://doi.org/10.1186/s41205-020-00089-y>

Teaching & Mentorship

Guest Lectures

2023		University of Toronto		PHM215		“Introduction to Financial Literacy”
2022		University of Toronto		NEW106		“Vaccinations and Autism”
2022		University of Toronto		PHM215		“Introduction to Financial Literacy”
2022		University of Toronto		HMB312		“Microbiology in the Clinical Setting”
2022		University of Toronto		NEW116		“Antimicrobial Stewardship”
2021		University of Toronto		NEW106		“Vaccinations and Autism”
2021		University of Toronto		HMB312		“Microbiology in the Clinical Setting”
2020		University of Toronto		NEW106		“Vaccinations and Autism”
2019		University of Toronto		NEW116		“Antimicrobial Stewardship”
2018		University of Toronto		NEW106		“Vaccinations and Autism”
2018		University of Toronto		NEW116		“Antimicrobial Stewardship”
2017		University of Toronto		NEW106		“Vaccinations and Autism”

Experience

2021 – 2022 | Clinical Instructor
 2018 – 2021 | Pharmacy Lab Teaching Assistant

Leslie Dan Faculty of Pharmacy

2021 – 2021 | Scholar | Managing Consumer Value

Rotman School of Management

2020 – 2020 | Lead Residence Don

2017 – 2020 | Residence Don

New College, University of Toronto

2020 – 2020 | Scholarship of Teaching and Learning Research Assistant

Leslie Dan Faculty of Pharmacy

2016 – 2017 | Senior Peer Mentor

2014 – 2016 | Peer Mentor

First Year Learning Communities, University of Toronto

2016 – 2016 | General Planning Executive

2015 – 2015 | Director of Training & Scheduling

2014 – 2014 | Orientation Leader

New College Orientation, University of Toronto

2012 – 2017 | Program Instructor

City of Markham

Media

1. Philbert, N & Zhang, P. “Free menstrual hygiene products are on the way, if you work at a bank, an airline or the public service”. **Toronto Star**. Published June 4, 2023.
2. Mathew, L & Zhang, P. “Preventative health care: Why privately funded programs are reluctant to fund it”. **Toronto Star**. Published May 6, 2023.
3. Zhang, P. “Synthetic data may revolutionize clinical trials – and save lives”. **Healthy Debate**. Published April 3, 2023.
4. Zhang, P & Daud, A. “Modernized home care can help stabilize health costs”. **Globe and Mail**. Published March 22, 2023.
5. Pitkis A. & Zhang, P. “The benefits of giving include tax credits”. **Toronto Star**. Published March 20, 2023.
6. Pandey, A & Zhang, P. “Overcoming language barriers key to providing health-care”. **Toronto Star**. Published March 5, 2023.
7. Zhang, P. “Ask a pharmacist before you split tablets for your children”. **Toronto Star**. Published November 21, 2022.
8. Yang, J., Ahmed, A. & Zhang, P. “Internet-based mental health care deserves a boost”. **Ottawa Citizen**. Published November 21, 2022.
9. Yang, J., Ahmed, A. & Zhang, P. “Vaccine hesitancy is reviving long dead diseases”. **Healthy Debate & National Post**. Published September 12, 2022.
10. Zhang, P & Tadrous, M. “How pharmacist prescribing can alleviate health-care system pressures”. **Policy Options**. Published May 31, 2022.
11. Daud, A & Zhang, P. “Elon Musk, social media giants, must prioritize mental health and well-being”. **Toronto Star**. Published May 2, 2022.
12. Zhang, P. “Bleeding disorders in women need more attention”. **The Hamilton Spectator**. Published February 8, 2022.
13. Zhang, P. “Despite a place on pharmacy shelves, homeopathy has no role in patient care”. **Toronto Star**. Published December 31, 2021.

14. Ahmed, A. & Zhang, P. "The dangers of antimicrobial drug resistance must not be ignored". **Healthy Debate & National Post**. Published November 15, 2021.
15. Ahmed, A. & Zhang, P. "As election day looms, voters have the chance to be heard on the federal funding of health care". **Toronto Star**. Published September 10, 2021.
16. Garland, M., Ahmed, A. & Zhang, P. "Communication must become an essential component of the science education curriculum". **Healthy Debate**. Published August 18, 2021.
17. Ahmed, A. & Zhang, P. "To move beyond the pandemic, Canada needs to look globally". **The Hill Times**. Published July 29, 2021.
18. Yao, A., Zhang, P. & Ho, C. "When COVID-19 meets allergy season". **Hospital News**. Published May 27, 2021.
19. Zhang, P. & Daud, A. "Rigorous scrutiny of COVID-19 vaccines should bolster, nor erode, confidence in immunization safety". **Toronto Star**. Published May 3, 2021.
20. Tang, J. & Zhang, P. "Should more of our foods be fortified with vitamin D". **The Hamilton Spectator**. Published April 19, 2021.
21. Ahmed, Y., Daud, A. & Zhang, P. "COVID-19 and insomnia: Pills are not the answer". **Healthy Debate**. Published April 16, 2021.
22. Zhang, P. "Prioritize one-shot COVID-19 vaccines for the hard to reach". **Toronto Star**. Published April 7, 2021.
23. Zhang, P. & Hu, M. "Mobilizing pharmacists is key to immunization success". **The Hamilton Spectator**. Published March 5, 2021.
24. Zhang, P. & Ahmed, Y. "Cyberchondria: An unexpected side effect of digitizing medical information". **Toronto Star**. Published February 16, 2021.
25. Bala, S. & Zhang, P. "To win against COVID-19, we must put vaccine hesitancy behind us". **Ottawa Citizen**. Published January 4, 2021.
26. Daud, A. & Zhang, P. "Although alarming, mutated strains of COVID-19 are not a cause for panic". **Toronto Star**. Published January 3, 2021.
27. Zhang, P., Chan, C. & Ho, C. "Antimicrobial Stewardship in the face of COVID-19". **Hospital News**. Published October 28, 2020.
28. Zhang, P. "Naloxone needs to be in hands of as many people as possible". **The Windsor Star**. Published October 4, 2020.
29. Zhang, P. & Daud, A. "As pandemic forces change, it's a good time for Canadians to quit smoking". **Toronto Star**. Published September 9, 2020.
30. Zhang, P. "It's time to normalize suicide prevention training at the workplace". **Toronto Star**. Published August 27, 2020.

31. Zhang, P., Teo, V. & Khosravani, H. "When COVID-19 meets flu season". **Toronto Star**.
Published July 14, 2020.

Awards & Recognition

Scholarships

2021 | Rotman Scholar Award | Rotman School of Management
2021 | Student Engagement Award | University of Toronto
2021 | Joan E. Foley Quality of Student Experience Award | University of Toronto
2020 | Guy Genest Passion for Pharmacy Award | CAPSI
2020 | Future of Pharmacy Excellence Award | CAPSI
2020 | Frank Kwiecien Memorial Scholarship | Leslie Dan Faculty of Pharmacy
2020 | James D. Fleck Entrance Award | Rotman School of Management
2020 | COVID-19 Student Engagement Award | University of Toronto
2020 | CSHP External Affairs Student Writing Award | Undergraduate Pharmacy Society
2017 | New College Student Council Leadership Award | New College
2017 | Health Plus Pharmacy Award | Mackenzie Health Volunteer Association
2017 | Terry Buckland Memorial Award | University of Toronto
2017 | Gordon Cressy Student Leadership Award | University of Toronto
2017 | Queen Elizabeth II Diamond Jubilee Scholarship | Trinity College
2016 | New College Council In-Course Scholarship | New College
2016 | Ruth Reiffenstein Memorial Scholarship | New College
2016 | New College 50th Anniversary Award | New College

Recognition

2022 | 100 Best & Brightest MBAs: Class of 2022 | Poets & Quants
2021 | Pharmacists leads COVID-19 vaccine preparation at U of T-hosted clinic
2020 | 3DPPE GTHA Printing Milestone of 20,000 Face Shields | Ontario Minister of Health

Professional Experience

2023 – Present | Marketing Manager | Cardiovascular & Metabolism
2023 – 2023 | Marketing Associate | Cardiovascular & Metabolism
2022 – 2023 | Marketing Associate | Neuroscience
2021 – 2021 | Marketing Associate Intern | Dermatology

The Janssen Pharmaceutical Companies of Johnson & Johnson

2021 – Present | Clinical Pharmacist
2019 – 2019 | Intermediate Pharmacy Practice Experience
2018 – 2018 | System Technician Intern

Southlake Regional Health Centre

2020 – 2020 | Co-Founder

3DPPE GTHA

2019 – 2020 | Business Development Consultant

Whole Health Pharmacy Partners

2019 – 2020 | Clinical Rotations | Leslie Dan Faculty of Pharmacy

Sunnybrook Health Sciences Centre
Northwest Telepharmacy Solutions
University Health Network
Canadian Armed Forces

Community & Service

2022 – Present | Board of Directors
2021 – 2022 | Board Fellow

Hemophilia Ontario

2021 – 2022 | Columnist

Poets & Quants

2019 – 2020 | Membership Committee

2018 – 2019 | Communications Committee

Canadian Society of Hospital Pharmacists

2018 – 2019 | Webmaster

Undergraduate Pharmacy Society

2015 – 2016 | Board of Directors

University of Toronto Students' Union

2017 – 2018 | Speaker

2016 – 2017 | Graduating Year Representative

2015 – 2016 | Social Director

New College Student Council

2010 – 2017 | Information Desk Volunteer Supervisor

2015 – 2015 | Emergency Department Volunteer

Mackenzie Health Richmond Hill Hospital