

Peter Zhang, PharmD, MBA

Healthcare Strategy & Artificial Intelligence
Hospital Pharmacist
Board Director

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Education

2023 – Present | **Doctor of Philosophy**
Leslie Dan Faculty of Pharmacy, University of Toronto

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 | **The Reach Alliance** | Researcher
Conducted a qualitative study in India on polio elimination in Uttar Pradesh and Bihar to understand the strategies deployed to overcome vaccine hesitancy.

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 - Present	University of Toronto	PHM215	“Introduction to Financial Literacy”
2022 - Present	University of Toronto	PHM215	“Introduction to Financial Literacy”
2021 - Present	University of Toronto	HMB312	“Microbiology in the Clinical Setting”
2018 - Present	University of Toronto	NEW116	“Antimicrobial Stewardship”
2017 - Present	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. Shafaqat, A., Tan, D., & Zhang, P. “Canada must invest in global leadership programs within higher education institutions”. **The Hill Times**. Published November 6, 2023
2. Verhage, S., Tian, J., & Zhang, P. “Untapped potential: Young leaders have the tools to help address health-care challenges”. **Healthy Debate**. Published October 23, 2023
3. Younis, M., & Zhang, P. “Pharmacist prescribers fill important gaps in the Canadian healthcare system”. **Healthy Debate**. Published September 24, 2023
4. Ahmed, A., Yang, D. & Zhang, P. “Naloxone kits in TTC stations a necessary tool to address overdoses”. **Toronto Star**. Published August 5, 2023.
5. 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.
6. Mathew, L. & Zhang, P. “Preventative health care: Why privately funded programs are reluctant to fund it”. **Toronto Star**. Published May 6, 2023.
7. Zhang, P. “Synthetic data may revolutionize clinical trials – and save lives”. **Healthy Debate**. Published April 3, 2023.
8. Zhang, P. & Daud, A. “Modernized home care can help stabilize health costs”. **Globe and Mail**. Published March 22, 2023.
9. Pitkis A. & Zhang, P. “The benefits of giving include tax credits”. **Toronto Star**. Published March 20, 2023.
10. Pandey, A. & Zhang, P. “Overcoming language barriers key to providing health-care”. **Toronto Star**. Published March 5, 2023.
11. Zhang, P. “Ask a pharmacist before you split tablets for your children”. **Toronto Star**. Published November 21, 2022.
12. Yang, J., Ahmed, A. & Zhang, P. “Internet-based mental health care deserves a boost”. **Ottawa Citizen**. Published November 21, 2022.
13. Yang, J., Ahmed, A. & Zhang, P. “Vaccine hesitancy is reviving long dead diseases”. **Healthy Debate & National Post**. Published September 12, 2022.
14. Zhang, P. & Tadrous, M. “How pharmacist prescribing can alleviate health-care system pressures”. **Policy Options**. Published May 31, 2022.

15. Daud, A. & Zhang, P. "Elon Musk, social media giants, must prioritize mental health and well-being". **Toronto Star**. Published May 2, 2022.
16. Zhang, P. "Bleeding disorders in women need more attention". **The Hamilton Spectator**. Published February 8, 2022.
17. Zhang, P. "Despite a place on pharmacy shelves, homeopathy has no role in patient care". **Toronto Star**. Published December 31, 2021.
18. Ahmed, A. & Zhang, P. "The dangers of antimicrobial drug resistance must not be ignored". **Healthy Debate & National Post**. Published November 15, 2021.
19. 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.
20. Garland, M., Ahmed, A. & Zhang, P. "Communication must become an essential component of the science education curriculum". **Healthy Debate**. Published August 18, 2021.
21. Ahmed, A. & Zhang, P. "To move beyond the pandemic, Canada needs to look globally". **The Hill Times**. Published July 29, 2021.
22. Yao, A., Zhang, P. & Ho, C. "When COVID-19 meets allergy season". **Hospital News**. Published May 27, 2021.
23. Zhang, P. & Daud, A. "Rigorous scrutiny of COVID-19 vaccines should bolster, nor erode, confidence in immunization safety". **Toronto Star**. Published May 3, 2021.
24. Tang, J. & Zhang, P. "Should more of our foods be fortified with vitamin D". **The Hamilton Spectator**. Published April 19, 2021.
25. Ahmed, Y., Daud, A. & Zhang, P. "COVID-19 and insomnia: Pills are not the answer". **Healthy Debate**. Published April 16, 2021.
26. Zhang, P. "Prioritize one-shot COVID-19 vaccines for the hard to reach". **Toronto Star**. Published April 7, 2021.
27. Zhang, P. & Hu, M. "Mobilizing pharmacists is key to immunization success". **The Hamilton Spectator**. Published March 5, 2021.
28. Zhang, P. & Ahmed, Y. "Cyberchondria: An unexpected side effect of digitizing medical information". **Toronto Star**. Published February 16, 2021.
29. Bala, S. & Zhang, P. "To win against COVID-19, we must put vaccine hesitancy behind us". **Ottawa Citizen**. Published January 4, 2021.
30. Daud, A. & Zhang, P. "Although alarming, mutated strains of COVID-19 are not a cause for panic". **Toronto Star**. Published January 3, 2021.
31. Zhang, P., Chan, C. & Ho, C. "Antimicrobial Stewardship in the face of COVID-19". **Hospital News**. Published October 28, 2020.

32. Zhang, P. "Naloxone needs to be in hands of as many people as possible". **The Windsor Star**. Published October 4, 2020.
33. Zhang, P. & Daud, A. "As pandemic forces change, it's a good time for Canadians to quit smoking". **Toronto Star**. Published September 9, 2020.
34. Zhang, P. "It's time to normalize suicide prevention training at the workplace". **Toronto Star**. Published August 27, 2020.
35. 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

2023 | Youth Assembly Delegate | AFS Intercultural Programs
 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 | Partner, Business Acceleration
ODAIA Intelligence

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

Johnson & Johnson Innovative Medicine

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