

Pharmacist, technology professional, and doctoral researcher working at the intersection of healthcare, artificial intelligence, and entrepreneurship. Director, Business Acceleration at ODAIA; hospital pharmacist at Southlake Health; and PhD student at the University of Toronto's Leslie Dan Faculty of Pharmacy, where his research examines how and why clinicians become entrepreneurs.

EDUCATION

Doctor of Philosophy, Pharmaceutical Sciences	2023–
<i>Leslie Dan Faculty of Pharmacy, University of Toronto</i>	
Master of Business Administration	2020–2022
<i>Rotman School of Management, University of Toronto</i>	
Doctor of Pharmacy with Honours	2017–2021
<i>Leslie Dan Faculty of Pharmacy, University of Toronto</i>	
Honours Bachelor of Science with High Distinction	2013–2017
<i>Faculty of Arts & Science, University of Toronto</i>	

RESEARCH EXPERIENCE

Leslie Dan Faculty of Pharmacy, University of Toronto

Doctoral Student	2023–
<i>Supervisors: Dr. Zubin Austin & Dr. Certina Ho. Doctoral research on interventions in clinician entrepreneurship education.</i>	
Project Researcher	2019–2020
<i>Supervisor: Dr. Carolyn Cummins. Investigated roles of Jumonji Domain-Containing Protein 6 (JMJD6) and RNA-Binding Motif Protein 39 (RBM39) in alternative splicing pathways mediated by the glucocorticoid receptor and the Arginine and Glutamate Rich 1 (ARGLU1) protein.</i>	
Lab Assistant	2018–2019
<i>Supervisor: Dr. Carolyn Cummins. Conducted laboratory techniques including polymerase chain reaction, RNA extraction, and gel electrophoresis.</i>	

The Reach Alliance, Munk School of Global Affairs & Public Policy, University of Toronto

Co-Mentor	2026–
Researcher	2018–2020
<i>Supervisor: Dr. Anita McGaban. Qualitative field study in New Delhi and Uttar Pradesh, India; examined strategies for overcoming vaccine hesitancy in hard-to-reach populations in the context of polio elimination.</i>	

University of York

Project Researcher	2017
<i>Supervisor: Dr. Paul Kaye. Studied monocyte activation in the immune response to leishmaniasis.</i>	

Temerty Faculty of Medicine, University of Toronto

Undergraduate Researcher	2016–2017
<i>Supervisor: Dr. Dana Philpott. Examined dendritic cell differentiation in the context of Crohn's disease.</i>	

Ontario Institute for Studies in Education, University of Toronto

Undergraduate Researcher	2014–2015
<i>Supervisor: Dr. Xi Chen. Studied language acquisition in bilingual learners.</i>	

PEER-REVIEWED PUBLICATIONS

1. **Zhang, P.C.**, Khan, K., Ho, C., & Austin, Z. (2026). Entrepreneurship, Education, and Clinical Practice. In *Encyclopedia of Pharmacy Practice and Clinical Pharmacy* (2nd ed.). doi:10.1016/B978-0-443-26472-6.00093-0
2. **Zhang, P.C.** & Tadrous, M. (2025). Pharmacist drug shortage response. *Canadian Pharmacists Journal*. doi:10.1177/17151635251365666
3. Ng, R., Matsuba, K., & **Zhang, P.C.** (2024). Retrieval-augmented generation in healthcare. *NEJM AI*, 2(1). doi:10.1056/AIra2400380
4. **Zhang, P.C.**, Matinnia, N., & Austin, Z. (2024). Hospital pharmacist visibility. *European Journal of Hospital Pharmacy*, 31(3). doi:10.1136/ejhp-2024-004137
5. Ng, R. & **Zhang, P.C.** (2023). Machine learning in medical affairs. *Journal of Pharmaceutical Policy and Practice*, 165(16). doi:10.1186/s40545-023-00670-w
6. **Zhang, P.C.** & Austin, Z. (2023). Entrepreneurial mindset for pharmacists. *Canadian Pharmacists Journal*, 156(3), 100–111. doi:10.1177/17151635231164622
7. Ho, C. & **Zhang, P.C.** (2022). Patient safety: a pharmacy perspective. In *Encyclopedia of Evidence in Pharmaceutical Public Health*. Springer. doi:10.1007/978-3-030-50247-8_72-1
8. Daud, A., Hussein, S., **Zhang, P.C.**, et al. (2021). 3D-printed face shields during the COVID-19 pandemic. *Cureus*. doi:10.7759/cureus.18141
9. **Zhang, P.C.** (2021). Pharmacy and digital health innovation. *Canadian Pharmacists Journal*. doi:10.1177/17151635211044474
10. Bellatin, A., Hyder, S., Rao, A., **Zhang, P.C.**, & McGahan, A. (2021). Vaccine deployment for hard-to-reach populations. *BMJ Global Health*, 6(4). doi:10.1136/bmjgh-2021-005125
11. **Zhang, P.C.**, Ahmed, Y., Hussein, S., et al. (2020). 3D printing face shields during a pandemic. *3D Printing in Medicine*, 6, 35. doi:10.1186/s41205-020-00089-y

TEACHING

Lecturer, University of Toronto

Change Management (PHM310)	2023–
Introduction to Financial Literacy (PHM215)	2022–
Business Planning (PHM215)	2022–
Microbiology in the Clinical Setting (HMB312)	2021–
Power & Leadership (PHM215)	2025
AI in the Pharmaceutical Industry (BTC2030)	2024–2025
Entrepreneurship (PHM327)	2024
Antimicrobial Stewardship (NEW116)	2018–2023
Vaccine Hesitancy (NEW106)	2017–2023

Instructional Roles

Clinical Instructor, Leslie Dan Faculty of Pharmacy	2021–2022
Scholar, Managing Consumer Value, Rotman School of Management	2021
Scholarship of Teaching & Learning Research Assistant, Leslie Dan Faculty of Pharmacy	2020
Pharmacy Lab Teaching Assistant, Leslie Dan Faculty of Pharmacy	2018–2021
Lead Residence Don, New College, University of Toronto	2020
Residence Don, New College, University of Toronto	2017–2020
Senior Peer Mentor, First Year Learning Communities	2016–2017
Peer Mentor, First Year Learning Communities	2014–2016

Invited Speaking

“Advancing Safe and Responsible AI Adoption in Community Pharmacy Practice” <i>Network for Improving Health Systems, Leslie Dan Faculty of Pharmacy</i>	2026
“AI in the Modern Workforce” <i>Bausch Health</i>	2026
“Artificial Intelligence, e-Therapies and Virtual Care” <i>Canadian Psychiatric Association</i>	2025
“The AI Revolution in Healthcare” <i>Pharmacy Changemakers, University of Toronto</i>	2024
“COVID-19 Vaccine Update” <i>British Columbia Pharmacy Association</i>	2024
“3D Printing Face Shields” <i>Canadian Association of Pharmacy Students and Interns Professional Development Week</i>	2024
“Designing & Evaluating Impact” <i>The American Field Service Youth Assembly</i>	2024
“Harnessing the Power of Communication and Storytelling for Business Growth” <i>Healthcare Businesswomen’s Association</i>	2023

Interviews & Podcasts

“Pharmacy Awareness Month” <i>Southlake Health</i>	2025
“Collaborative Care: A Pharmacist’s Insights on Research and Medicine with Peter Zhang” <i>Canadian Federation of Medical Students</i>	2024
“Artificial intelligence holds promise for pharmacy” <i>Leslie Dan Faculty of Pharmacy, University of Toronto</i>	2024
“Faces of PharmSci: Peter Zhang” <i>Leslie Dan Faculty of Pharmacy, University of Toronto</i>	2023
“Real Humans of J&J: Peter Zhang, Toronto Rotman PharmD/MBA ’22” <i>Clear Admit</i>	2023
“Reach: Building Community and Sharing Insights in New York City” <i>Reach Alliance, Munk School of Global Affairs and Public Policy</i>	2023
“2022 Best & Brightest MBA: Peter Zhang, University of Toronto (Rotman)” <i>Poets & Quants</i>	2022
“‘Superstar’ pharmacists play critical role at vaccine clinic hosted on U of T’s St. George campus” <i>University of Toronto</i>	2021
“Why choose a PharmD-MBA at the Leslie Dan Faculty of Pharmacy?” <i>Leslie Dan Faculty of Pharmacy, University of Toronto</i>	2021
“Pharmacy Students Lead Initiative to Supply Vital Equipment to Health Care Workers” <i>Leslie Dan Faculty of Pharmacy, University of Toronto</i>	2020
“3DPPE GTHA Printing Milestone of 20,000 Face Shields” <i>Ontario Minister of Health</i>	2020

Media Publications

1. “Defying early-onset colorectal cancer, a disease increasingly affecting younger age groups.” *Healthy Debate*, June 8, 2026. Co-authored with Mahima Kaur Trivedi, MD.
2. “A CEO’s advice for the next generation of leaders.” *Canadian Healthcare Network*, May 7, 2026.
3. “Cross-border prescriptions: What Canadian pharmacists need to know.” *Canadian Healthcare Network*, April 13, 2026. Co-authored with Jia Qi Gan and Mina Tadrous, PharmD, PhD.
4. “Three ways AI enables the entrepreneurship process.” *Canadian Healthcare Network*, April 2, 2026.
5. “Why (and How) Teachers Should Use Generative AI in the Classroom.” *Faculty Focus*, March 4, 2026. Co-authored with Nidhi Sachdeva, MA, PhD.
6. “Bridging intergenerational tensions in the workplace.” *CareerWise | CERIC*, February 13, 2026. Co-authored with Brennah Danchuk-Lauzon, PharmD.
7. “It’s never too early to join a board!” *Canadian Healthcare Network*, January 26, 2026.
8. “Universities face a financial crisis. The key to survival is the scholar-entrepreneur.” *The Globe and Mail*, January 21, 2026.
9. “MaaTRx: When a pharmacist entrepreneur builds a novel drug shortage response platform.” *Canadian Healthcare Network*, January 2, 2026.
10. “Pharmacists: Bridging the gap between AI and patient-centred care.” *Healthy Debate*, November 28, 2025. Co-authored with Mona Samani & Savana Elsays, PharmD.
11. “What pharmacists can learn from Asepha’s \$4M seed fund raising.” *Canadian Healthcare Network*, September 12, 2025.
12. “As pharmacists, we must be empowered to act in the face of Canada’s painkiller shortage.” *Toronto Star*, August 10, 2025. Co-authored with Mina Tadrous, PharmD, PhD.
13. “The future of healthcare depends on investments in clinician entrepreneurship education.” *Canadian Healthcare Network*, July 31, 2025.
14. “How to leverage clinical skills in non-traditional careers.” *Canadian Healthcare Network*, June 24, 2025.
15. “Breaking into the pharmaceutical industry: a guide for pharmacy students.” *Canadian Healthcare Network*, April 22, 2025.
16. “Everyone wins when we invest in pharmacist entrepreneurs.” *Canadian Healthcare Network*, April 2, 2025.
17. “In the face of growing uncertainty, Canada needs to double down on innovation.” *Healthy Debate*, April 1, 2025. Co-authored with Anser Daud, MD.
18. “Will an MBA help clinicians grow?” *Canadian Healthcare Network*, March 17, 2025.
19. “The importance of health-system navigators.” *Healthy Debate*, January 28, 2025. Co-authored with Avital Pitkis, MD & Perrine Tami, MD.
20. “5 Ways to Propel Inclusive Climate Action.” *Mastercard*, September 17, 2024. Co-authored with Jason M. Lo Hog Tian, Aisha Shafaqat, and Safaa Yaseen.
21. “Cybersecurity attacks highlight the need for patients to keep their medication records accessible.” *Healthy Debate*, September 15, 2024. Co-authored with Melanie Seladurai.
22. “Climate Resilience at the Margins: Five Key Lessons from Last Mile Populations.” *Global Policy Journal*, July 29, 2024. Co-authored with Jason M. Lo Hog Tian, Aisha Shafaqat, and Safaa Yaseen.
23. “British Columbia found the key to attracting more family doctors, Ontario should do the same.” *Toronto Star*, May 5, 2024. Co-authored with Laxsanaa Sivanthan, MD & Avital Pitkis, MD.
24. “AI Disruption is Coming. Are Healthcare Professionals Ready?” *MedCity News*, April 1, 2024. Co-authored with Karen Ka Yan Ng, PharmD.
25. “Governments should pay the high price of gene therapy.” *Healthy Debate*, February 26, 2024. Co-authored with Cameron Peters, JD.
26. “Canadian pharmacists have an important role this RSV season.” *Canadian Healthcare Network*, December 19, 2023.
27. “Prescribing community for mental health — lessons from Australia.” *Healthy Debate*, December 3, 2023. Co-authored with Jayden Battey.

28. “Canada must invest in global leadership programs within higher education institutions.” *The Hill Times*, November 6, 2023. Co-authored with Aisha Shafaqat & Dexter Tan.
29. “Untapped potential: Young leaders have the tools to help address health-care challenges.” *Healthy Debate*, October 23, 2023. Co-authored with Savannah Verhage & Jason M. Lo Hog Tian.
30. “Pharmacist prescribers fill important gaps in the Canadian healthcare system.” *Healthy Debate*, September 24, 2023. Co-authored with Marwah Younis, PharmD.
31. “Clearing the air: fighting for a breathable future.” *Toronto Star*, September 1, 2023. Co-authored with Sudarshan Bala, MD & Gillian Goobie, MD, PhD.
32. “Naloxone kits in TTC stations a necessary tool to address overdoses.” *Toronto Star*, August 5, 2023. Co-authored with Abrar Ahmed & Donna (Jinyuru) Yang.
33. “Free menstrual hygiene products are on the way, if you work at a bank, an airline or the public service.” *Toronto Star*, June 4, 2023. Co-authored with Natalie Philbert.
34. “Preventive health care: Why privately funded programs are reluctant to fund it.” *Toronto Star*, May 6, 2023. Co-authored with Liju Mathew.
35. “Synthetic data may revolutionize clinical trials — and save lives.” *Healthy Debate*, April 3, 2023.
36. “Modernized home care can help stabilize health costs.” *The Globe and Mail*, March 22, 2023. Co-authored with Anser Daud, MD.
37. “The benefits of giving include tax credits.” *Toronto Star*, March 20, 2023. Co-authored with Avital Pitkis.
38. “Overcoming language barriers key to providing health-care.” *Toronto Star*, March 5, 2023. Co-authored with Avinash Pandey, MD.
39. “Ask a pharmacist before you split tablets for your children.” *Toronto Star*, November 21, 2022.
40. “Internet-based mental-health care deserves a boost.” *Ottawa Citizen*, November 21, 2022. Co-authored with Jinyuru Yang & Abrar Ahmed.
41. “Vaccine hesitancy is reviving long dead diseases.” *Healthy Debate*, September 12, 2022. Co-authored with Jinyuru Yang & Abrar Ahmed.
42. “How pharmacist prescribing can alleviate health-care system pressures.” *Policy Options*, May 31, 2022. Co-authored with Mina Tadrous, PharmD, PhD.
43. “The Rotman Review: How Trade Missions Teach MBAs To Think International.” *Poets & Quants*, May 6, 2022.
44. “Elon Musk, social media giants, must prioritize mental health and well-being.” *Toronto Star*, May 2, 2022. Co-authored with Anser Daud.
45. “The Rotman Review: Navigating the Future of Digital Marketing.” *Poets & Quants*, March 31, 2022.
46. “The Rotman Review: A Year In The Life Of A MBA Board Fellow.” *Poets & Quants*, February 23, 2022.
47. “Bleeding disorders in women need more attention.” *The Hamilton Spectator*, February 8, 2022.
48. “The Rotman Review: How An MBA Shapes Success In Finance.” *Poets & Quants*, February 4, 2022.
49. “Despite a place on pharmacy shelves, homeopathy has no role in patient care.” *Toronto Star*, December 31, 2021.
50. “The Rotman Review: Why Sustainable Finance Is Critical To MBAs.” *Poets & Quants*, December 5, 2021.
51. “The dangers of antimicrobial drug resistance must not be ignored.” *Healthy Debate & the National Post*, November 15, 2021. Co-authored with Abrar Ahmed.
52. “The Rotman Review: Building Your Own Time ‘Portfolio’.” *Poets & Quants*, November 3, 2021.
53. “The Rotman Review: How Academic Research Makes MBAs More Valuable.” *Poets & Quants*, September 22, 2021.
54. “As election day looms, voters have the chance to be heard on the federal funding of health care.” *Toronto Star*, September 10, 2021. Co-authored with Abrar Ahmed.
55. “The Rotman Review: Preparing For The Future Of Machine Learning.” *Poets & Quants*, August 22, 2021.
56. “Communication must become an essential component of the science education curriculum.” *Healthy Debate*, August 18, 2021. Co-authored with Morgan Garland & Abrar Ahmed.

57. “To overcome vaccine hesitancy, governments need to show citizens what’s in it for them.” *Rotman Insights Hub*, August 16, 2021. Co-authored with Anita M. McGahan, PhD.
58. “To move beyond the pandemic, Canada needs to look globally.” *The Hill Times*, July 29, 2021. Co-authored with Abrar Ahmed.
59. “Clinicians as community advocates: interplays of vaccines and society.” *University of Toronto Medical Journal*, June 24, 2021. Co-authored with Yousuf Ahmed & Jennifer Kwan, MD.
60. “When COVID-19 meets allergy season.” *Hospital News*, May 27, 2021. Co-authored with Annie Yao & Certina Ho, BScPharm, MEd, PhD.
61. “Rigorous scrutiny of COVID-19 vaccines should bolster, not erode, confidence in immunization safety.” *Toronto Star*, May 3, 2021. Co-authored with Anser Daud.
62. “Should more of our foods be fortified with vitamin D?” *The Hamilton Spectator*, April 19, 2021. Co-authored with Jinglin Tang, PharmD.
63. “COVID-19 and insomnia: Pills are not the answer.” *Healthy Debate*, April 16, 2021. Co-authored with Yousuf Ahmed & Anser Daud.
64. “Prioritize one-shot COVID-19 vaccines for the hard to reach.” *Toronto Star*, April 7, 2021.
65. “Mobilizing pharmacists is key to immunization success.” *The Hamilton Spectator*, March 5, 2021. Co-authored with Ming Hu, PhD.
66. “Cyberchondria: An unexpected side effect of digitizing medical information.” *Toronto Star*, February 16, 2021. Co-authored with Yousuf Ahmed.
67. “Bala and Zhang: To win against COVID-19, we must put vaccine hesitancy behind us.” *Ottawa Citizen*, January 4, 2021. Co-authored with Sudarshan Bala.
68. “Although alarming, mutated strains of COVID-19 are not a cause for panic.” *Toronto Star*, January 3, 2021. Co-authored with Anser Daud.
69. “Antimicrobial Stewardship in the face of COVID-19.” *Hospital News*, October 28, 2020. Co-authored with Corlissa Chan & Certina Ho, BScPharm, MEd, PhD.
70. “Naloxone needs to be in hands of as many people as possible.” *Windsor Star*, October 4, 2020.
71. “We need naloxone kits in more hands in this opioid crisis.” *The Hamilton Spectator*, October 3, 2020.
72. “As pandemic forces change, it’s a good time for Canadians to quit smoking.” *Toronto Star*, September 9, 2020. Co-authored with Anser Daud.
73. “It’s time to normalize suicide prevention training at the workplace.” *Toronto Star*, August 28, 2020.
74. “Becoming a Pit Crew for Frontline Healthcare Workers during the COVID-19 Pandemic.” *CMAJ Blogs*, August 14, 2020. Co-authored with Yousuf Ahmed, Anser Daud, Isra Hussein, John Junghan, Maroof Khalid, Maham Khalid, & Samveg Shah.
75. “When COVID-19 pandemic meets the flu season.” *Toronto Star*, July 14, 2020. Co-authored with Vince Teo, PharmD & Houman Khosravani, MD, MSc, PhD.

AWARDS & RECOGNITION

Emerging Leader in Pharmacy Practice Award — Leslie Dan Faculty of Pharmacy	2024
Youth Assembly Delegate — American Field Service Intercultural Programs	2023
100 Best & Brightest MBAs: Class of 2022 — Poets & Quants	2022
Rotman Scholar Award — University of Toronto	2021
Student Engagement Award — University of Toronto	2021
Joan E. Foley Quality of Student Experience Award — University of Toronto	2021
Guy Genest Passion for Pharmacy Award — Canadian Association of Pharmacy Students and Interns	2020
Future of Pharmacy Excellence Award — Canadian Association of Pharmacy Students and Interns	2020
James D. Fleck Entrance Award — Rotman School of Management	2020
Frank Kwiecien Memorial Scholarship — Leslie Dan Faculty of Pharmacy	2020

COVID-19 Student Engagement Award — University of Toronto	2020
Canadian Society of Hospital Pharmacists External Affairs Student Writing Award — Undergraduate Pharmacy Society	2020
Gordon Cressy Student Leadership Award — University of Toronto	2017
Terry Buckland Memorial Award — University of Toronto	2017
Queen Elizabeth II Diamond Jubilee Scholarship — Trinity College, University of Toronto	2017
New College Student Council Leadership Award — New College, University of Toronto	2017
Health Plus Pharmacy Award — Mackenzie Health Volunteer Association	2017
New College Council In-Course Scholarship — New College, University of Toronto	2016
Ruth Reiffenstein Memorial Scholarship — New College, University of Toronto	2016
New College 50th Anniversary Award — New College, University of Toronto	2016

BOARD EXPERIENCE

Centre for Effective Practice — Board of Directors	2025–
Hemophilia Ontario — Board of Directors	2022–2025
Hemophilia Ontario — Board Fellow	2021–2022
University of Toronto Students' Union — Board of Directors	2015–2016

PROFESSIONAL EXPERIENCE

ODAIA

Director, Business Acceleration	2025–
Senior Business Acceleration Partner & Value Delivery Leader	2025–2026
Business Acceleration Partner	2023–2025

Southlake Health

Clinical Pharmacist	2021–
System Technician Intern	2018

Twig Fertility

Clinical Pharmacist	2025–2026
---------------------	-----------

Johnson & Johnson Innovative Medicine

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

3D-Printed Personal Protective Equipment, Greater Toronto & Hamilton Area (3DPPE GTHA)

Co-Founder	2020
------------	------

ACADEMIC SERVICE & COMMUNITY

Leslie Dan Faculty of Pharmacy, University of Toronto

Graduate Department Academic Appeals Committee	2025–
Alumni Awards Selection Committee	2025–
Curriculum and Assessment Committee	2018–2019

Canadian Society of Hospital Pharmacists

Membership Committee 2019–2020

Communications Committee 2018–2019

Poets & Quants

Columnist 2021–2022

Undergraduate Pharmacy Society

Webmaster 2018–2019

New College Student Council, University of Toronto

Speaker 2017–2018

Graduating Year Representative 2016–2017

Social Director 2015–2016

New College Orientation, University of Toronto

General Planning Executive 2016

Director of Training & Scheduling 2015

Orientation Leader 2014

Mackenzie Health Richmond Hill Hospital

Information Desk Volunteer Supervisor 2010–2017

Emergency Department Volunteer 2015

City of Markham

Program Instructor 2012–2017