

Jacob Peller

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EDUCATION

Doctor of Medicine , University of Toronto	2021-2025
Master of Science in Neuroscience , Queen's University	2019-2021
Certificate in Business , Smith School of Business, Queen's University	2016-2019
BSc in Life Sciences with Specialization in Neuroscience , Queen's University	2015-2019

4TH YEAR ELECTIVES

Diagnostic Radiology , St. Michael's Hospital, Toronto	June 3-16, 2024
Pediatric Neurology , The Hospital for Sick Children, Toronto	Sept 9-22, 2024
Stroke Neurology , Sunnybrook Health Sciences Centre, Toronto	Sept 23-Oct 6, 2024
Stroke and General Neurology , London Health Sciences Centre, London	Oct 7-20, 2024
General Neurology , St. Michael's Hospital, Toronto	Oct 21-Nov 3, 2024
Neurosurgery , St. Michael's Hospital, Toronto	Nov 4-17, 2024
Stroke Rehabilitation , Toronto Rehabilitation Institute, Toronto	Nov 18-Dec 1, 2024
Plastic Surgery , St. Joseph's Hospital, Toronto	Dec 2-15, 2024

3RD YEAR CORE ROTATIONS

Internal Medicine , Mount Sinai Hospital	8 weeks
Plastic Surgery , Toronto Western Hospital	4 weeks
General Surgery , Mount Sinai Hospital	4 weeks
Anesthesiology , Mount Sinai Hospital	2 weeks
Ophthalmology , Toronto Western Hospital	1 week
Otolaryngology , Mount Sinai Hospital	1 week
Emergency Medicine , Michael Garron Hospital	4 weeks
Psychiatry , Centre for Addiction and Mental Health	6 weeks
Obstetrics and Gynecology , Mount Sinai Hospital	6 weeks
Pediatrics , Markham Stouffville Hospital	6 weeks
Family Medicine , Midland, Ontario	6 weeks

PRE-CLERKSHIP OBSERVERSHIPS

Over 400 hours of shadowing numerous specialties during preclerkship of medical school, including:

General Surgery , Oakville Trafalgar Memorial Hospital	2 weeks
Plastic Surgery , Sunnybrook Health Sciences Centre	1 week
Plastic Surgery , Toronto Western Hospital	1 week

Otolaryngology, Mount Sinai Hospital

1 week

Surgical Exploration and Discovery Program, University of Toronto

1 week

MEDICAL EDUCATION

Toronto Notes Neurology Chapter Editor

May 2022-Sept 2024

- Revamped a significant proportion of the Neurology chapter for Toronto Notes 2024 and 2025 Editions
- Incorporated an intentional, precise and clear style in describing the nervous system

Medical Podcast Developer, Clerk Commute Podcast, University of Toronto

June 2022-June 2024

- Researched and simplified complex medical topics to create scripts for a medical education podcast; episode topics included prenatal care, acute kidney injury and hyponatremia
- Created episodes that were conversational, engaging and targeted at clerkship students

Teaching Assistant, Faculty of Health Sciences, Queen's University

Sept 2019-Dec 2020

- Facilitated anatomy labs, teaching undergraduate students about the key gross and histological features of each organ system
- Taught and evaluated students in ANAT 100, ANAT 216, PHAR 100, PHAR 270 and PHGY 170

RESEARCH PUBLICATIONS

Peller, J., Lai, P., Callejas Canepa M.F. *Jejunal Intussusception*. ACR Case in Point, submitted August 2024.

Alsaadi, H., Peller, J., Ghasemlou, N., Kawaja, M. *Immunohistochemical phenotype of sensory neurons associated with sympathetic plexuses in the trigeminal ganglia of adult nerve growth factor transgenic mice*. Journal of Comparative Neurology, 2023.

Topley, M., Crotty, A.M., Boyle A., Peller, J., Kawaja, M., Hendry, J.M. *Evaluation of motor and sensory neuron populations in a mouse median nerve injury model*. Journal of Neuroscience Methods, 2023.

The Role of ErbB inhibitors in promoting nerve regeneration in a mouse model of nerve injury. MSc Thesis, Queen's University, 2021.

LEADERSHIP

Medical School Application Mentor, Community of Support (COS)

Aug 2021-June 2023

- Worked one-on-one with medical school applicants as part of the UofT Community of Support, which aims to increase the presence of traditionally underrepresented communities in medicine
- Edited personal statements, provided interview prep and emotionally supported applicants

COVID-19 Screener, Kingston Health Sciences Centre

June 2020-Oct 2020

- Screened patients and visitors for symptoms of COVID-19
- Guided patients and visitors to their destination within the hospital

Volunteer, Telephone Aid Line Kingston (TALK)

June 2020-May 2021

- Provided confidential phone service for marginalized members of the Kingston community

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Volunteer, Sexual Assault Centre Kingston

Sept 2019-May 2021

- Ontario Hockey League (OHL) Onside program facilitator for rookies of the Kingston Frontenacs
- Moderated discussions on toxic masculinity, consent and sexual violence
- Facilitator for the Text and Chat Crisis Line, actively listened to and provided affirmations of support to people who have experienced sexual violence and referred them to other resources

Crisis Responder, Crisis Text Line, Kids Help Phone

Sept 2019-Oct 2020

- Empathically listened to and validated the feelings of 100+ youth
- Completed risk assessment regarding suicidal thoughts, plans and timeframe
- Supported texters through safety planning and exploring coping mechanisms

AWARDS

Walter F. Watkins Scholarship (2023, 2024): Awarded to medical students with high academic standing

Dr. J.S. Thompson Memorial Award (2023): Awarded to the medical student with the highest performance in anatomy, \$1 255

CHIR Frederick Banting and Charles Best Canada Graduate Scholarship (2020): Awarded \$17 500 for MSc project

MEMBERSHIPS AND CERTIFICATIONS

American Academy of Neurology, Member	2021-present
Canadian Stroke Consortium, Associate Member	2021-present
Canadian Neurological Sciences Foundation, Medical Student Member	2021-present
NIH Stroke Scale Certification	2021
Mental Health First Aid	2019
Applied Suicide Intervention Skills Training	2019

PERSONAL INTERESTS

Notion Web of Knowledge: A 'second brain' filled with what I have learned about anatomy and medicine over the past 5 years, find it online [here](#)

Rock climbing: Indoor bouldering 2-3x/week, I currently climb at Basecamp Queen West and Joe Rockheads in Toronto

Running: Completed my first triathlon and half marathon this past summer

Cooking, baking, cocktails: I enjoy making NYT Cooking recipes a favorite recently was a raspberry mochi butter cake with matcha glaze, and my favorite cocktail is the Last Word

House plants: Caring for 40+ house plants with my partner, I am especially interested in the *Ficus* genus

Video gaming: Staying connected with friends by playing Apex Legends and Overwatch

New interests: Making espresso, struggling to pour latte art and road biking