

DAVIDE MARCHESE

Diagnostic & Molecular Pathology, University of Alberta

Resident Physician, PGY1

September 2024

EDUCATION

July 2024 - Present	Post-Graduate Medical Education, Year 1 University of Alberta, Edmonton, AB
September 2020 - May 2024	Undergraduate Medical Education, Year 4 Northern Ontario School of Medicine University, Thunder Bay, ON
May 2022	Canadian Orthopaedic Surgery Medical Education Certificate Completed virtually. Subspecialty orthopedics in spine, upper & lower limb, pediatrics, trauma and oncology at the UME level.
September 2018 - October 2020	Master of Science - Condensed Matter Physics Lakehead University, Thunder Bay, ON lurepository.lakeheadu.ca/handle/2453/4714
2017 - 2018 & 2019 - 2020	Aboriginal Canadian Relations: Post-Graduate Certificate Confederation College, Thunder Bay, ON
September 2017 - April 2018	Concurrent Disorders: Post-Graduate Certificate Confederation College, Thunder Bay, ON Social work and addictions based program.
September 2013 - April 2017	Honours Bachelor of Science, Physics Lakehead University, Thunder Bay, ON <i>Recognized as a President's List Scholar ($\geq 90\%$ Average, All Years)</i>

ACADEMIC DISTINCTIONS

May 2019 - April 2020	2019 NSERC Canada Graduate Scholarship A national award provided to graduate students based on academic achievement at the university level in addition to proposing a well-designed research project with detailed methodology. \$17,500.
April 2017	Dean's Scholar Award for the Faculty of Science and Environmental Studies - Lakehead University Awarded to the student with the highest average of any student graduating with a degree from the department of physics.
2016	Dr. Penny S Petrone Career in Medicine Scholarship Awarded for scholastic achievement and desire to pursue medicine. \$3600.
May 2016 - August 2016	Undergraduate Student Research Award, Lakehead University Presented to undergraduate students based on academic standing, year level and scientific research experience. \$10,000.
May 2015 - August 2015	Undergraduate Student Research Award, Lakehead University Presented to undergraduate students based on academic standing, year level and scientific research experience. \$10,000.

NON-ACADEMIC DISTINCTIONS

April 2021	Ministry of Heritage, Sport, Tourism and Culture - Youth Volunteer Services Award to TBRHSC Awarded to a youth volunteer based on hours and quality service.
July 2019	TBRHSC Volunteer Association Student Volunteer Award Recognized as a student volunteer who displayed excellent attendance and brought a positive attitude to the TBRHSC. Required third party nomination. \$1500.
November 2018	Walk the Talk Volunteerism Award Nominee Awarded by Thunder Bay Hospital for regularly practising the values of the hospital mission statement. "Walk the Talk". Required third party nomination.

TEACHING EXPERIENCE

September 2022 – Present	Peer-to-Peer Lecturer – Anatomy Teaching Group, NOSM Histology & Pathology Sessions: Intro Cell & Epithelium, Hematopathology, Normal & Neoplastic Integumentary
September 2018 – May 2020	Teaching Assistant – Lakehead University Instructor and assessor of non-calculus physics at the first-year level to students. Setup for laboratory experiments.
September 2015 – December 2016	Student Tutor – Private & Lakehead University Tutor of multiple first year level calculus and physics classes. Multiple Pupils.

RESEARCH & PUBLICATIONS

	Research Article - The Journal of Physical Chemistry: <i>Self-Assembly of a halogenated organic molecule on the Si(111) $\sqrt{3}\times\sqrt{3}$-Ag surface.</i> Second Author – doi:
April 2022 – August 2022	Research Assistant – ‘An Adverse Event following Hip Fracture Case Control Study’ Thunder Bay Regional Health Research Institute – Dr. T. Marion Duties included data entry, evaluating patient health / adverse events as well as protecting confidentiality.
September 2018 – October 2020	Masters Thesis – ‘Study of a Brominated Triphenylamine Derivative on Metal and Semiconducting Surfaces’ Lakehead University – Dr. M. Gallagher lurepository.lakeheadu.ca/handle/2453/4714 Results Presented June 2022 at Canadian Association of Physicists Congress - https://indi.to/5VdhB
May 2016 – August 2016	Student Research Assistant, Lakehead University – Dr. M. Gallagher

	Senior laboratory student responsible for supervision and training of other students. Independent use of specialized physics equipment.
May 2015 – August 2015	Student Research Assistant, Lakehead University – Dr. M. Gallagher Workflow optimization through redesign of maintenance experiments and computer program automation.

VOLUNTEERISM

November 2015 – May 2024	North Shore Steelhead Association Fundraising for conservation efforts. Physically restoring riverbanks.
August 2019 – January 2021	Big Brothers, Big Sisters Mentor – Our Kids Count One-on-one mentorship for children at risk of addictions or criminal activity, including children living in poverty or household instability.
August 2019 – December 2020	Student Ambassador – Lakehead University Assist with and prepare for school events such as new student orientation. Provide students tours and lead rallies or game nights among other team-spirit building activities.
May 2018 – October 2020	Volunteer Advisory Council to the Board of Directors for the Thunder Bay Regional Hospital Monthly meetings with the purpose of advising on the challenges and successes facing the hospital’s volunteers and programs.
December 2015 – January 2020	Hospital Elder Life Program –Thunder Bay Regional Hospital Friendly visitation and companionship for elderly patients in hospital to combat delirium. Included specific training to care for persons living with dementia. 650h total.
August 2017 – June 2019	Cancer Centre – Thunder Bay Regional Hospital Assist cancer patients with medical surveys prior to their doctor appointment. Provide refreshments as well as tending to miscellaneous patient requests. 275h total.

LEADERSHIP & SERVICE

July 2022 – May 2024	President, Treasurer & Secretary – Pathology Interest Group Northern Ontario School of Medicine Plan pathology related school events. Budget planning, funding applications and organizing honorariums for guest speakers.
September 2022 - Present	Confidant – Peer Support Network, NOSM Available as a confidant anytime for confidential discussions with junior year students to discuss challenges of school or life. Training in active listening, mindfulness and crisis intervention provided to better assist students in need. Contact info provided publicly.

September 2022 – Present	<p>Year 3 Representative – Evidence Based Medicine Interest Group Northern Ontario School of Medicine, NOSM</p> <p>Assist with the development of a student hosted NOSM chapter for research publications in addition to a critical appraisal framework.</p>
December 2022	<p>Longitudinal Leadership Training Series</p> <p>Participant in a series of interactive sessions with the express purpose of practising our interpersonal, listening and reflecting skills to develop our leadership characteristics.</p>
August 2022 – May 2023	<p>Year 3 Representative – PoCUS Interest Group, NOSM</p> <p>Advertisement of interest group events. Recruitment of male models for practice teaching sessions hosted by the group.</p>
September 2021 – July 2022	<p>Year 2 Representative – Pathology Interest Group, NOSM</p> <p>Assist with planning for interest group events. Advertisement of events.</p>