

University of Calgary
Wednesday, October 22, 2025

100 Kellogg Lane, Unit 10, London ON N5W 0B4 T. 519.488.2003 cdnmedhall.ca

WORKSHOP CATALOGUE

CODE	TITLE	DESCRIPTION	AM	PM	PRESENTER(S)
A01	<i>The Many Faces of Psychology: Career Paths You Didn't Know Existed</i>	Discover the diverse world of psychology beyond traditional clinical therapy. In this workshop, you'll explore a range of specialties—from forensic and sports psychology to neuropsychology, organizational psychology, and health psychology. Get a behind-the-scenes look at what psychologists really do every day through engaging real-world examples. Plus, uncover some surprising career paths you might not expect, like supporting astronaut mental health with NASA or consulting on mental wellness in video game design. Whether you're curious about the field or considering your own path, this session offers a fresh perspective on the many ways psychology shapes our world.	0	20	Gavin McAtee
A02	<i>Family Medicine: The Everything Specialist!</i>	Ever wonder what we do all day in family medicine? I bet you it's way more than you thought! From delivering babies, running codes, reading labs and x-rays, to examining patients and making difficult diagnoses. See it all and participate in a workshop that takes you through all aspects of family medicine.	10	10	Vince Vong
A03	<i>How to be a Scientist</i>	In this workshop we will discuss what it takes to be a scientist. There will be a panel-style discussion with 3-4 student researchers at the Cumming School of Medicine. In this part of the session, you get to ask all the questions you might have about research, and you'll get to learn about scientific projects conducted by students and researchers at the Cumming School of Medicine. After the panel-style discussion, you will have the opportunity to learn some practical research skills.	0	15	Amy Shupe Liam Wilkinson
A04	<i>A glimpse into internal medicine and Endocrinology!</i>	Come learn about this awesome specialty of internal medicine and the integrative nature and multidisciplinary teamwork that go into clinical practice in looking after complex patients and helping them get better. Come also explore the intriguing world of Endocrinology, the medicine of hormones that brings physiology and medicine together!	12	15	Hanan Bassyouni
A05	<i>It's Not The Stork! How babies are really delivered & How an Operating Room Operates</i>	Simulation of vaginal delivery/pelvic exams with hands on models and discussion with trial of laparoscopic surgery instruments/simulation.	18	0	Amelia Srajer
A06	<i>Skills development: Airway Management and CPR SIM</i>	Rotation between these skills Introduction to Airway Management: Students will be introduced to the basics of airway management using a high-fidelity mannequin. They will learn how to recognize and manage common airway issues in emergency situations.	16	20	Leo Ochieng

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		CPR Simulation: Students will participate in a realistic CPR simulation using a high-fidelity mannequin. They will practice effective chest compressions and rescue breaths in a controlled environment designed to mimic real-life emergency situations.			
A07	Skills Development: Suturing and Vital Signs	<p>Rotation between these skills</p> <p>Suturing: Students will practice suturing techniques and learn the principles of wound closure. This session will emphasize proper technique and precision in performing different types of sutures. Hand Ties: Students will practice hand ties, an important skill for tying sutures in various clinical situations.</p> <p>Vital Signs: This session will guide students through the assessment of vital signs, including blood pressure, heart rate, and respiratory rate.</p>	16	20	TBC
A08	Skills development: CPR BLS and Vital Signs	<p>Rotation between these skills</p> <p>CPR BLS: Students will participate in a realistic CPR simulation using a plastic mannequin and following the Basic Life Support (BLS) algorithm. They will practice how to perform effective chest compressions and rescue breaths in a controlled environment designed to mimic real-life emergency situations.</p> <p>Vital Signs: This session will guide students through the assessment of vital signs, including blood pressure, heart rate, and respiratory rate.</p>	10	10	TBC
A09	Skills development: Suturing and CPR BLS	<p>Rotation between these skills</p> <p>Suturing: Students will practice suturing techniques and learn the principles of wound closure. This session will emphasize proper technique and precision in performing different types of sutures. Hand Ties: Students will practice hand ties, an important skill for tying sutures in various clinical situations.</p> <p>CPR BLS: Students will participate in a realistic CPR simulation using a plastic mannequin and following the Basic Life Support (BLS) algorithm. They will practice how to perform effective chest compressions and rescue breaths in a controlled environment designed to mimic real-life emergency situations.</p>	10	10	TBC
A10	Skills development: Vital Signs and Suturing	<p>Rotation between these skills</p> <p>Vital Signs: This session will guide students through the assessment of vital signs, including blood pressure, heart rate, and respiratory rate.</p> <p>Suturing: Students will practice suturing techniques and learn the principles of wound closure. This session will emphasize proper technique and precision in performing different types of sutures. Hand Ties: Students will practice hand ties, an important skill for tying sutures in various clinical situations.</p>	10	10	TBC
A11	Skills development: Xray	This is a workshop on approach to X-Rays and an introduction to what they are! We'll go through some cases together and learn a bit about basic anatomy.	17	20	Vaneeza Moosa

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A12	Medical Genetics: A Career as a Genetic Counsellor	An introduction to the many roles of genetic counsellors in medical genetics, healthcare and research.	18	0	Kristin Binnington Charlotte Cowan Zoe Goldstone-Joubert
A13	Never a Dull Moment: An RN's career in Community Based Mental Health	Skills practice of tools to support regulation, calm, and mental wellness - HeartMath (breathing skills), promoting Neuroplasticity, and deep listening practice. Understanding the personal challenges of health care career as a registered nurse (may extrapolate to health care providers) and how to manage these challenges.	20	32	Amanda Loates
A14	Designing to heal: A Hands-On Journey into Biomedical Engineering	Are you curious about how engineering meets medicine to transform lives? Join us for an interactive workshop that explores the exciting world of biomedical engineering: from prosthetics and medical imaging to tissue engineering and wearable health tech. You won't just learn about the career path; you will experience it! Through a hands-on design challenge, you'll step into the shoes of a biomedical engineer and tackle a real-world problem using creativity, collaboration, and engineering principles. Whether you're passionate about innovation, healthcare, or making a difference, this workshop will show you the "what, why, and how" of having a career in biomedical engineering.	12	16	Laura Curiel
A15	Autonomic Function Testing with a focus on Postural Orthostatic Tachycardia Syndrome	In this workshop, you will see a brief presentation on the autonomic disorder, Postural Orthostatic Tachycardia Syndrome and the tests used to assess autonomic function. You will then be introduced to the equipment used to assess autonomic function and run practice tests on real people.	0	8	Kavithra Karalasingham
A16	Are Our Dopamine Receptors Cooked... and Why AI Might Be Too	What if Artificial Intelligence could think more like the human brain? In this interactive workshop, you'll get a chance to find out. Together, we'll explore how both humans and AI handle a classic problem-solving challenge that has been used in psychology and medicine for decades. You'll take part in a live experiment where your results will be compared to how an AI performs on the very same task. Along the way, you'll learn how a brain chemical called dopamine shapes flexible thinking, why its absence causes difficulties in diseases like Parkinson's, and why AI systems may struggle in surprisingly similar ways. By joining this workshop, you won't just be learning—you'll actually be contributing to new research that asks a bold question: what would it take for AI to learn more like us? Come prepared to test your brain, challenge the bots, and help shape the future of artificial intelligence in science and medicine.	15	18	Dr. Bin Hu Farhan RAZA Shahryar Wasif Dhruvil Patel Elbert Tom Armaan Singh
A17	The brain you didn't know you had: exploring glial cells	When you think about the brain, you probably think about neurons—the cells that send signals and help you think, feel, and move. But did you know neurons have their own team of helpers working behind the scenes? They're called glial cells, and without them, your brain couldn't do its job. In this workshop, you'll: - Discover the different kinds of glial cells and what they actually do for your thoughts and memories.	20	0	Chiara Beretta Ashley De Witte

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		<ul style="list-style-type: none"> - See what these cells look like under the microscope in real human and mouse brain tissue. - Learn how scientists can even grow brain cell models in a dish to study how the brain works—and what happens when it gets sick. - By the end, you'll see that glial cells are just as important as neurons—and maybe even cooler. They're the hidden supercells that keep your brain alive, healthy, and ready to think. 			
A18	<i>Live Imaging of the Liver: An Unlikely Immune Organ</i>	<p>An introduction to the immune system and the role of the liver in immunity. Hands-on: Students will have an opportunity to observe the liver of a mouse performing immune functions (catching bacteria) as visualized on a powerful microscope in the Paul Kubes Lab.</p> <p>DISCLAIMER: The hands-on section of this workshop involves imaging of a live animal (anaesthetized). Students will not be observing the surgery or handling any animals; however, it is essential that they are comfortable observing live animals for the purpose of the hands-on section.</p>	7	0	Tashi Rastogi
A19	<i>The ♥of the Matter: Let's Talk about Women's Heart and Vascular Health</i>	<p>This workshop will spark conversation among the students about women's heart health. Our interactive session will:</p> <ol style="list-style-type: none"> 1. Outline the rationale as to why women's heart and vascular health is important. 2. Describe the anatomy of the heart, different heart and vascular diseases, how women's hearts are different than men's, how women's symptoms of a heart attack can be different than men's, and what they can do to help. 3. Describe healthy behaviours to encourage the prevention and management of heart and vascular diseases. 4. Identify resources to learn more and the steps for acting and advocating for women's heart and vascular health at your school and in your community. 	20	30	Sandra Dumanski Kara Nerenberg
A20	<i>What's psychiatry all about?</i>	<p>In this workshop you will learn about the many aspects of the medical field of Psychiatry: What do Psychiatrists do? What mental illnesses do they treat? How can I help fight stigma and look out for my peers and myself? You will also have the opportunity to try some of the tests Psychiatrists use!</p>	12	15	Nia Abdullayeva
A21	<i>A Hands On Guide To Pursuing a Career In Surgery</i>	<p>In this workshop you will get the opportunity to explore a career in surgery through an interactive presentation with surgeons and trainees and be given lots of opportunity to test your surgical skills. The Office of Surgical Education is teaming up with the Calgary Upsurge initiative to stimulate interest in surgery. The main objective of the workshop is to share our passion of surgery through a bit of fun, story telling, and hands on skill stations.</p>	15	0	Steven Lopushinsky Tito Daodu Mirna Matta Angela Galeos Ali Bayrouti
A22	<i>What is Anesthesiology?</i>	<p>In this workshop we will provide an introduction into the world of Anesthesiology. We will go over what a typical day consists of, the training required, and the career path as a whole. We will also have a hands-on component where individuals will get to practice with various airway equipment!</p>	12	16	Wesley Richardson Brianna Rosgen

CODE	TITLE	DESCRIPTION	AM	PM	PRESENTER(S)
A23	NURSING	Description pending	12	15	Gbemisola Lawal
A24	<i>MD vs. PhD: What Kind of Doctor Do You Want to Be?</i>	Have you ever wondered about the difference between a Medical Doctor (MD) and a PhD? Both are doctors – but what is their individual scope of practice? How do research and medicine complement one another, and how do I know whether I want to pursue one or the other...or both? If you are curious about any of these questions – join four workshop presenters from the Cumming School of Medicine’s Leaders in Medicine Program during the “MD vs PhD” Workshop Session. This workshop will feature a discussion with four MD students having also completed graduate school as part of their training. The workshop will briefly introduce attendees both to graduate school and medical school, as well as provide a basis of why they chose to pursue both throughout their career path. Whether you’re interested in clinical practice or running your own research lab in the future – come learn about the variety of amazing work you can accomplish the field of biomedical sciences!	18	0	Julianna Svishchuk Kat Heger Mehr Malhotra Gabrielle Dagasso

Thank you to all our presenter volunteers, who are giving their time and knowledge so you can come and experience this Discovery Day!