



Canadian Medical Hall of Fame

Discovery Days

in HEALTH SCIENCES

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University of Calgary

Wednesday, October 28th 2026

WORKSHOP CATALOGUE

Code	Title	Description	AM	PM	Coordinator/Presenters (Department) and Location
A01	A Glimpse into Internal Medicine	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!	15	15	Hanan Bassyouni (Internal Medicine) G746
A02	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. - See what these cells look like under the microscope in real human and mouse brain tissue. - Learn how you feed cells in the lab. - 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.	16	16	Chiara Beretta Ashley de Witte Tina Ram (Neurology) OB1504
A03	Discovering OB/GYN: From the Delivery Room to the Surgical Suite	An interactive clinical skills lab featuring simulated vaginal deliveries and pelvic exams on birthing models, along with an introduction to minimally invasive gynecologic surgery using laparoscopic training tools.	20		Amelia Srajer (Obstetrics and Gynecology) G744 and SIM 3
A04	Put Your Nervous System to the Test	In this workshop you will see some common tests used to study autonomic function in patients. We will also briefly go over the science behind the tests we demonstrate.		6	Kavithra Karalasingham Rashmin Hira (Dentistry) CWPH
A05	Surgical Skills: CPR BLS 1 / Vital Signs	CPR BLS1 - Be the difference in an emergency. In this interactive CPR workshop, you'll practice high-quality chest compressions and rescue breaths on a realistic training mannequin while	10	10	Noam Sander Caitlin Chyczij Treeva Hakim Areeb Qayyum Annie Tang

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		learning the Basic Life Support (BLS) algorithm. Experience a simulated emergency and build confidence in one of the most valuable life-saving skills. Vital Signs - Become a healthcare detective by learning how to assess a patient's vital signs. In small groups, you'll practice measuring blood pressure, heart rate, and respiratory rate while discovering what these important measurements reveal about a person's health.			Mariam Ali Intisar El Houjairy Theresa Brown Yasmeen Jalil Natasha Larson (Surgery) HS 1462B
A06	Surgical Skills: CPR BLS 2 / Flexible Scope/Bronchoscope	CPR BLS 2 - Be the difference in an emergency. In this interactive CPR workshop, you'll practice high-quality chest compressions and rescue breaths on a realistic training mannequin while learning the Basic Life Support (BLS) algorithm. Experience a simulated emergency and build confidence in one of the most valuable life-saving skills. Flexible Scope/Bronchoscope - Get an up-close look inside the human airway using flexible endoscopes. In this unique hands-on session, you'll learn how physicians use a flexible nasal scope and bronchoscope to examine the nose, throat, and lungs. Try navigating the scope on a training model and explore the technology behind this fascinating medical procedure	10	10	Angela Faye Galeos Noam Sander Caitlin Chyczij Treeva Hakim Areeb Qayyum Annie Tang Mariam Ali Intisar El Houjairy (Surgery) HS 1464B
A07	Surgical Skills: Suture & Hand Ties / CPR BLS 1	Suture & Hand Ties - Step into the world of surgery by learning the art of wound closure. You'll practice basic suturing techniques on training materials and develop precision with different stitch patterns. You'll also learn surgical hand ties, an essential skill used by healthcare professionals to secure sutures in the operating room and clinic CPR BLS1 - Be the difference in an emergency. In this interactive CPR workshop, you'll practice high-quality chest compressions and rescue breaths on a realistic training mannequin while learning the Basic Life Support (BLS) algorithm	10	10	Angela Faye Galeos Noam Sander Caitlin Chyczij Treeva Hakim Areeb Qayyum Annie Tang Mariam Ali Intisar El Houjairy (Surgery) HS 1461B
A08	Surgical Skills: Vital Signs / CPR BLS 2	Vital Signs - Become a healthcare detective by learning how to assess a patient's vital signs. In small groups, you'll practice measuring blood pressure, heart rate, and respiratory rate while discovering what these important measurements reveal about a person's health. CPR BLS 2 - Be the difference in an emergency. In this interactive CPR workshop, you'll practice high-quality chest compressions and rescue breaths on a realistic training mannequin while learning the Basic Life Support (BLS) algorithm.	10	10	Noam Sander Caitlin Chyczij Treeva Hakim Areeb Qayyum Annie Tang Mariam Ali Intisar El Houjairy Theresa Brown Yasmeen Jalil Natasha Larson (Surgery)

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		Experience a simulated emergency and build confidence in one of the most valuable life-saving skills.			HS 1464A
A09	Surgical Skills: Flexible Scope/Bronchoscope / Suture & Hand Ties	Flexible Scope/Bronchoscope - Get an up-close look inside the human airway using flexible endoscopes. In this unique hands-on session, you'll learn how physicians use a flexible nasal scope and bronchoscope to examine the nose, throat, and lungs. Try navigating the scope on a training model and explore the technology behind this fascinating medical procedure Suture & Hand Ties - Step into the world of surgery by learning the art of wound closure. You'll practice basic suturing techniques on training materials and develop precision with different stitch patterns. You'll also learn surgical hand ties, an essential skill used by healthcare professionals to secure sutures in the operating room and clinic	10	10	Angela Faye Galeos Serena Zhang Gabrielle Wood Daniel Alayev Niloofer Gheshlaghi Badra Abbas (Surgery) HS 1463B
A10	Family Medicine the Everything Specialist!	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 (Family Medicine) G801 (ATSSL Clinical Skills Lab)
A11	Live Imaging of the Liver: An Unlikely Immune Organ	An introduction to the immune system and the role of the liver in immunity. You will also have the opportunity to ask questions about conducting a research project and gaining research experience as a high-school and university student! Hands-on: Students will have the opportunity to observe the liver of a live mouse performing immune functions (catching bacteria) as visualized on a powerful microscope in the Kubes Lab. 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.	8		Tashi Rastogi (Immunology) G638
A12	Eye Detectives: Can You Save the Patient's Sight?	Step into the role of an eye detective and investigate how people see - and what happens when vision goes wrong. Through interactive vision experiments, virtual eye-disease simulations and mystery patient cases, students will identify which parts of the eye are affected and decide which patients require urgent care. They will also test their surgical precision in a hands-on microsurgery challenge and discover the many careers involved in protecting and restoring sight.		30	Ore Maxwell Avneet Gill (Ophthalmology) OB 1509 & 1509A (double room)

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A13	An Introduction to a Career in Surgery	In this workshop, students will learn from staff surgeons and resident surgeons on an overview on a career in surgery from undergrad, medical school to residency. Students will get the chance to participate in hands on activities including handling laparoscopic and surgical equipment.	18		Haley Shade Steven Lopushinsky Tito Daodu (Surgery) ATSSL Surgical Skills Lab
A14	Medical Genetics: A Career as a Genetic Counsellor	Ever wondered what it's like to be a genetic counsellor or what a genetic counsellor is? Join us to explore this exciting healthcare career through a fun taste-test experiment, interactive patient case discussions, and engaging videos. You'll discover how genetics influences health and how genetic counsellors help individuals and families navigate complex genetic information.	15	15	Zoe Goldstone-Joubert Kristin Binnington Amy Stenhouse Stefan Karanovic Hope Wollen (Medical Genetics) G748
A15	Careers in Geriatric Medicine & Healthy Aging	Canada's population is rapidly aging, and healthcare professionals with expertise in older adult care are increasingly needed. Students will learn what geriatric medicine is, how physicians train for the field, why caring for older adults is one of the most complex and rewarding areas of medicine, and learn to recognize and challenge ageism.	18		Jayna Holroyd-Leduc Zahra Goodarzi (Geriatric Medicine) G639
A16	Dermatologist for a Day: Exploring Skin Across Every Shade	This interactive workshop will introduce students to a career in medicine, with a particular focus on dermatology and the many ways physicians and other health professionals can work in skin health. We will begin by briefly sharing our academic paths into medical school, our experiences exploring different areas of medicine, and how our involvement in skin health education has given us exposure to dermatology. Students will also learn about what a career in dermatology can involve, including patient care, procedures, research, education, and advocacy, as well as other careers that intersect with skin health. The workshop will be designed specifically for high school students, with all medical concepts introduced at an age-appropriate and accessible level. Students will not be expected to have any prior medical knowledge. Instead, we will introduce a small number of basic dermatology concepts and build on them step by step using familiar language, visuals, and guided activities. Students will then step into the role of a dermatologist and learn how physicians observe, describe, and think through common skin conditions. Using clinical photographs and short, high school-level patient cases, we will introduce basic dermatology terminology and show students how features such as colour, shape, texture, and location on the body can		18	Farheen Zahra Farhan Raza Areeba Tarique Haleema Yousuf Shada Aborawi (Dermatology) Theatre 3

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		provide useful clues. A major portion of the workshop will be hands-on. In our “Build the Rash” activity, students will work in small groups using modelling clay and skin-tone boards to create different types of skin lesions based on simple descriptions provided to them. For example, students may be asked to create a raised, scaly plaque or a group of small papules and will then compare their models with real clinical images. The activity will gradually increase in difficulty as students become more comfortable with the terminology, allowing them to apply what they have learned without requiring medical-school-level knowledge. Throughout the workshop, we will also explore how the same skin condition can appear differently across a range of skin tones and why representation of diverse skin tones is important in medical education and patient care. Clinical images, models, case-based activities, and group discussion will be used to make these concepts visual, approachable, and engaging.			
A17	Antibodies Assemble: A Hands-On Immunology Mission	Ever wonder how your body knows the difference between a cold virus and your own cells? In this interactive workshop, you will become immune cells for a day: building antibody models, matching them to "pathogens," and role-playing a real immune response from first infection to lasting immunity. Along the way, we'll break down how vaccines work and explore career paths in immunology and biomedical science.	18		Laura Godin (Immunology) G637
A18	From Scientist to Science Communicator	Ever tried explaining something you understand perfectly... only to get a blank stare? Knowing science is one thing. Making it clear, interesting and memorable is a completely different skill! In this hands-on workshop, you'll discover how scientists turn complicated ideas into stories, visuals, videos, activities and social media content that people actually want to pay attention to. You'll take on fun communication challenges, experiment with different audiences and formats, and even create your own piece of science communication. By the end, you might discover that being a scientist can involve a lot more than working in a lab.	16	16	Paola Meza Santoscoy G750
A19	A Career in Anesthesiology	Explore the fast-paced world of anesthesiology! In this interactive workshop, anesthesiology residents will introduce students to the role of an anesthesiologist, the path to a career in medicine, and some of the hands-on skills used to care for patients in the operating room and beyond.	15	15	Brianna Rosgen Wes Richardson (Anesthesiology) OB 1508

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A20	Nursing: a Wonderful Profession	Considering a career in the wonderful profession of nursing but worried you'd be stuck at the hospital? Wondering how to navigate the complexity of being a registered nurse but don't know where to start? In this workshop come hear about some of the less conventional career options nursing including community-based Mental Health and Addiction roles. You will meet a registered nurse with over 15 years of experience in and around Calgary; from street outreach to forensic populations, contact tracing during COVID to emergency psychiatric care. Come hear about these different possibilities in nursing and discover how to thrive in a challenging, complex, multifaceted profession. You will learn a grounding skill and please bring your curiosity for this interactive presentation about the nursing profession.	20	20	Amanda Margaret Loates (Nursing) LIBIN Theatre
A21	ED STAT Emergency Medicine in Action	What is it really like to work in an emergency department? In this interactive workshop, students will explore the breadth of emergency medicine and how emergency physicians approach patients when the diagnosis is not yet known. Through case-based discussion, demonstrations, and hands-on activities using tools such as point-of-care ultrasound and procedural simulation equipment, students will experience some of the skills, technologies, and problem-solving used in emergency care. Along the way, we'll explore the incredible variety of emergency medicine—from minor injuries to critical illness—and the many different roles emergency physicians play in caring for patients.		10	Catherine Patocka (Emergency Medicine) G744
A22	Bacteriophages and AMR	In this workshop, you will have idea about AMR and use of bacteriophages as an alternative to antibiotics.		18	Dongyan Niu Mawra Gohar OB 1506
A23	Digital Health and Wearable Device Applications in Medicine	How can a small wearable sensor turn movement into music—and how can artificial intelligence use wearable data to help people move, sleep, exercise and manage their health better? In this interactive workshop, students will explore how digital health, wearable sensors and artificial intelligence are changing medicine. Using wearable technologies developed through our research, students will see how human movement can be measured in real time and used to provide immediate feedback, including triggering music during a movement task. We will also introduce Smart Coach, an AI-enabled personal health platform that	15	15	Viana Farzaneh Avneek Sandhu Bin Hu 1463A

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		demonstrates how information from different wearable technologies can be combined with medication, behavioural and lifestyle information. Rather than simply displaying numbers, AI can help transform these different streams of information into meaningful, individualized recommendations about activity, timing, safety and health. Students will have an opportunity to participate in hands-on demonstrations, examine their own movement data, and learn how clinicians, neuroscientists, engineers and AI researchers work together to turn sensor signals into useful health information. The emphasis of the workshop will be on hands-on demonstrations and interaction, with a short introductory presentation followed by practical activities. <i>Disclaimer; due to the nature of this workshop and the hands-on wearable demonstration, students will be required to fill out an additional consent form prior to the workshop.</i>			