

University of Alberta
Thursday, October 24, 2024

WORKSHOP CATALOGUE

Code	Title	Description	AM	PM	Coordinator/Presenters (Department) and Location
A01	<i>Augmented Renal Clearance (Super Kidneys!)</i>	We will explore "Augmented Renal Clearance" (ARC), a fascinating phenomenon where the kidneys exhibit enhanced filtering capabilities, affecting medication clearance. We will discuss its clinical implications, including suboptimal dosing and increased risk of adverse reactions. Understanding ARC is vital for optimizing treatment decisions, especially for critically ill patients. Join me to unravel the impact of ARC on patients' health and how healthcare professionals can adapt their strategies to ensure safe and effective medication management for those experiencing this unique renal phenomenon.		20	Dr. Maged Kharouba (Faculty of Pharmacy and Pharmaceutical Sciences) 2-125 ECHA
A02	<i>Radiation Therapy 101</i>	An introduction to this specialized health care profession where compassionate care meets cutting-edge technology. Learn about the profession of radiation therapy, participate in a mock treatment of an oncology patient and discover your pathway to becoming a student in the University of Alberta's Radiation Therapy program.		15	Leslie Wutzke (Oncology) 0937 Cross Cancer Institute
A03	<i>The Development of the Brain</i>	In this workshop students will use microscopes to directly observe brain development in fruit flies, one of the most widely used laboratory animals in the world. We have established breeds of flies that have their body neurons labelled with green fluorescent protein (GFP). Students will have the opportunity to dissect the brains and observe them using advanced fluorescent microscopes.	8	8	Dr. Qiumin Tan Dr. Andrew Simmonds Dr. Sarah Hughes (Cell Biology) 5-31 Medical Sciences
A04	<i>The Business of Babies</i>	In this informative workshop, students will learn basics of baby/newborn assessment. They will learn to use a stethoscope, palpate a pulse and change a diaper! This is a great workshop for those interested in a future in nursing in maternal/child health.	12	12	Lisa Wood (Nursing) 1-464 ECHA

Code	Title	Description	AM	PM	Coordinator/Presenters (Department) and Location
A05	<i>AI in Healthcare</i>	This session will explore the transformative role of AI in healthcare. The first half will guide students through a design-thinking approach, encouraging creative exploration of AI's potential in healthcare. In the second half, students will be introduced to a real-world example of AI in action within the healthcare sector. The workshop will conclude with a hands-on experience, allowing students to test and interact with a pre-trained AI model.	20	20	Rojin Adabdokht Dr. Yasaman Yazdandoust (Medicine and Dentistry) 1-457 ECHA
A06	<i>Breath of Life</i>	Ever wondered how a person can have surgery, not feel a thing, and wake up feeling great? It's not magic - it's the art and science of Anesthesiology! Join us in our high-tech simulated Operating Room, where you can learn more about our field of medicine and get hands-on experiences with some of the coolest tools and technology we use to get air in and out of your lungs!	15	15	Dr. Kristina Jeon Dr. Jamie Hilland (Anesthesiology and Pain Medicine) 2-309 ECHA, HSERC Immersive Reality Lab
A07	<i>FM, Geriatric and Hospital Medicine</i>	In this workshop students will get the opportunity to take a look into the fascinating world of family medicine and its role in our society!	10	10	Dr. Kourosh Dinyari (Family Medicine) 2-464 ECHA
A08	<i>The Ever-Expanding Role of the Pharmacist</i>	The scope of pharmacists' practice has evolved to include a lot more than just counting pills! Did you know that pharmacists also manage chronic medical conditions, administer drugs/vaccines by injection, work in hospitals, and even prescribe medications? Join some practicing pharmacists for a fun and interactive session that will involve a tour of the Faculty of Pharmacy and Pharmaceutical Sciences lab spaces, hands-on injection practice (don't worry, it won't be on real people!), and a "race to fill the prescription" contest with prizes for the winners.		20	Dylan Moulton (Pharmacy and Pharmaceutical Sciences) Medical Sciences Building (MSB) 1-15
A09	<i>Introduction to Kinesiology and Sports Injuries</i>	Participants will be presented with an overview of the Kinesiology degree, followed by an introduction to sport therapy. The session will include time spent practicing sport therapy skills including taping, splinting and concussion evaluation.		16	Matt Yaworski (Kinesiology, Sport and Recreation) VVC 1-218

Code	Title	Description	AM	PM	Coordinator/Presenters (Department) and Location
A10	Med School 101	In this workshop, you will hear from current medical students about the University of Alberta MD Program and the med school application process, including courses taken prior to medical school, MCAT preparation, and supports/unique admission processes for applicants from underrepresented backgrounds. Following the presentation, you will have the opportunity to ask questions and to engage in two clinical skills workshops, to learn suturing and physical exam skills.	50	50	Marina Kirillovich Adria Clark Erin Horton (Medicine) Katz 1080 & Katz 4-003/4-004
A11	Rehabilitation Rounds: An introduction to the professions	Join us for tours and activities with the Departments of Physical Therapy, Occupational Therapy and Communication Sciences & Disorders. Learn about what rehabilitation medical professionals do on a day-to-day basis.		30	Dr. Mary Roduta Roberts Dr. Mark Hall Andrea Ruelling Cherie Henderson Candice Finnigan Heidi Van Aerde Renzo Garcia (Rehabilitation Medicine) Corbett Hall Room TBD
A12	Nutrition Assessment with Registered Dietitians	Participants will discuss a case study patient and learn how Registered Dietitians assess energy metabolism, body composition and dietary intake in client care. During the tour/experience you will see a variety of unique assessments at the Human Nutrition Research Unit (HNRU). ♥ Energy metabolism: measuring how much energy (fuel) a client needs for good health. ♥ Body composition: We look beyond body weight to measure important variables like muscle mass to see how this impacts health. Dietary intake: Learn about the tools and practical strategies Registered Dietitians use to help clients maximize their food intake	10	10	Stephanie Ramage (Agricultural, Food and Nutritional Science) 2-004 Li Ka Shing Centre
A13	Tour of the Rehab Robotics Lab	This will be a tour of the Rehab Robotics Lab, involving demonstrations of current projects and technologies and descriptions of projects and their outcomes.	25		Dr. Martin Ferguson-Pell Emily Armstrong Emmanuella Osuji Javad Soleimani Ashmita Singh Matin Dokht Taghirad (Rehab Science) Rehab Robotics Lab 2-545 ECHA
A14	Cancer: Our Superhero Secrets in the Labs!	I will show how researchers are actively working to get better cancer treatments.	13		Mohammad Nasrullah (Pharmacy and Pharmaceutical Sciences) 1-468 ECHA

Code	Title	Description	AM	PM	Coordinator/Presenters (Department) and Location
A15	What is Ophthalmology?	In this workshop, we will explore the variety of careers in eye-related fields, talk specifically about ophthalmology, and explore some basic eye anatomy/diseases	20	20	Dr. Nikhil Patil Dr. Sunil Ruparelia Dr. Andrew Samuel (Ophthalmology) Education 277
A16	The Art & Science of Nursing: A Commitment to Excellence in Patient Centered Care	In this workshop, you will have the opportunity to work with state-of-the-art lab equipment and participate in hands-on activities that simulate real nursing practice such as taking vital signs, conducting vision assessments, and listening to heart and lung sounds. You will also have an opportunity to interact with current nursing students and a Registered Nurse.		16	Katherine Trepanier (Nursing) Nursing Simulation Center, 1 st Floor, Edmonton Clinic Health Academy, 11405 87 Avenue NW
A17	Emergency Medicine Trauma Workshop	This will be an exciting and interactive trauma and airway workshop with 3 stations! Station 1 is a brief introduction to trauma. Station 2 is about pelvic binding and C spine collar. Station 3 is airway (intubating).	15		Dr. Fiona Tran Dr. Candace Hagerman (Emergency Medicine) 2 nd floor ECHA, HSERC Multipurpose Lab
A18	Hip Replacement Workshop	In this workshop students will learn about hip replacements and get to perform the surgery in a sawbone model.	12		Dr. Edward Masson Dr. Samuel Goertz Dr. Spencer Lindsay (Surgery) 1-478 ECHA
A19	So you want to know about Medical Laboratory Science (MLS)?	In this workshop you will learn about the Medical Laboratory Science program. You will also have the opportunity to observe and practice basic laboratory skills used in the profession. Please come to the workshop with any questions you may have and be ready to participate!	12		Christina Lau Roberta Martindale Rhonda Pouliot Chris Ward (Medical Laboratory Science) Clinical Science Building B-136
A20	Discover Breathing: Air pollution, allergy and how respiratory diseases affect mental health	This interactive workshop will have students rotate between three interactive discovery stations! Students will learn about where pollution happens on an interactive mapping program. Students will learn about life-threatening allergies and try out training devices. Students will try out relaxed throat breathing exercises.	30	30	Dr. Anne Hicks Dr. Paul Forsythe Dr. Matt Hicks Dr. Shivani Mandel (Pediatric Respiriology) Education 128

Code	Title	Description	AM	PM	Coordinator/Presenters (Department) and Location
A21	<i>Becoming a Doctor: The Journey to the Destination</i>	<p>In this workshop we will explore the journey of becoming a doctor- from getting into medical school to getting into and through residency to graduation to attending physician. We will discuss what each stage looks like and answer questions about the experience of each stage as well as strategies to get through.</p> <p>We will also discuss what it is like to be an attending physician in Internal Medicine- the positives and challenges- so there is a clearer picture of what the "destination" looks like.</p>	20		<p>Dr. Sheela Vijay</p> <p>(Internal Medicine)</p> <p>3-001 ECHA</p>