

University of Calgary
Wednesday, October 18, 2023

WORKSHOP CATALOGUE

CODE	TITLE	DESCRIPTION	AM	PM	PRESENTER(S)
A01	<i>Unveiling Biology's Mysteries: Exploring with Fruit Flies</i>	Embark on a thrilling journey of discovery with fruit flies! Dive into hands-on biology, learn how to experiment with these tiny creatures, and benefit from expert guidance. Unleash your inner scientist and uncover the secrets of life with us!	0	10	Shahoon Khan
A02	<i>Deliveries and Discoveries</i>	Join us to learn about the steps of a vaginal delivery and the principals of pelvic exams. Our second station will focus on laparoscopic skills that we use for gynecologic surgery.	18	0	Dr. Kimber Thornton
A03	<i>Intro to Procedural Skills</i>	This workshop will introduce participants to some basic procedural skills used by physicians. Hosted by medical students from the U of C's Cumming School of Medicine, participants will experience hands-on learning as they rotate through three interactive stations.	12	12	Blessing Adeagbo Samuel Alatorre-Hinojosa Chelsea Barlow Alice Ko
A04	<i>Studying Animals in the Wild: Field Work on Sable Island</i>	The Poissant Lab in the Faculty of Veterinary Medicine studies the horses on Sable Island, but no one is allowed to touch them! So how can you study the health of animals if you aren't allowed to touch them? Using biological information found in poop, researchers in our lab investigate the health and ecology of wild animals. You will be introduced to what field work on Sable Island is like, and how researchers process fecal samples to extract valuable data. Students will cycle through multiple stations where they will practice extracting DNA from samples; look at parasite specimens and learn how to culture parasites for diagnostics; and develop animal health treatment plans using data collected from poop.	18	18	Sangwook Ahn
A05	<i>Viral Infections and Inflammatory Disease: Does one impact the other?</i>	Participants will get a taste of current literature discussing the role of viruses in relation to inflammatory diseases, and how the two are seemingly intertwined. This workshop will focus on cystic fibrosis as a model of inflammation, though other conditions will likewise be discussed. Students will get to see and analyze microscopic images of viral infections and learn about novel models for studying viral infections in vitro.	10	10	Julianna Svishchuk

A06	<i>Cardiac Magnetic Resonance Imaging: Experimental models and 4-dimensional hemodynamics</i>	<p>This workshop is divided in the following sections:</p> <ol style="list-style-type: none"> 1. Brief presentation of the career path as cardiac MRI scientist. 2. Interaction with cardiac MRI compatible 3D printing models used for in-vitro experiments. 3. Observation of a cardiac MRI exam with a brief introduction of MRI physics with group dynamic activities. 4. Review of a cardiac MRI exam and novel techniques for the assessment of four-dimensional hemodynamics. 	10	10	Dr. Julio Garcia SSB, Suite 700
A07	<i>Physiotherapy: A fulfilling role in healthcare</i>	In this workshop, we will go through the academic pathways to physiotherapy, as well as the career options once within the field. We will work through a typical day in the life of a private practice physiotherapist and have a play through a few hands-on case studies. As the workshop will be interactive, participation will be encouraged throughout. There will be a dedicated period for Questions & Answers at the end of our workshop.	15	15	Kerrin Maroti
A08	<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 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.	15	0	Diana Changirwa Mackenzie Gutierrez
A09	<i>AI, Wearable Sensors, and Health Coaches: Transforming Healthcare with OpenDH</i>	Do you think it's possible to treat patients without ever seeing them in-person? Could we complete an entire research project from idea to publication using only AI? In this workshop, students will learn how wearable sensors are being used to revolutionize patient rehabilitation and how the OpenDH project is leveraging the power of AI to train the healthcare leaders of the future. You'll also be taking part in an important research project in which your name and testing results remain anonymous at all times.	36	36	Dr. Bin Hu Dhruvil Patel Farhan Raza Elbert Tom Shahryar Wasif
A10	<i>Brain Imaging</i>	In this workshop, you will see brain imaging technologies in action, including functional magnetic resonance imaging and electroencephalography (EEG). You will also see how high-intensity focused ultrasound can be used to treat neurological disorders. One lucky attendee will have the opportunity to wear an EEG head cap and see electrical signals being recorded from their brain.	0	25	Dr. Brad Goodyear Seaman Family MR Research Centre

A11	<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	Matt Lau Dr. Vince Vong
A12	<i>Biomedical Engineers: What do they do and how do you get into this field?</i>	In this workshop we will introduce you to pathways to a career in health solutions powered by engineering and solving problems. How do we interact with health care providers to find needs and solutions, and how do novel technological health solutions get created? You will have a short experience designing a biomedical solution to illustrate the work that you would do in this exciting career!	0	15	Dr. Michael Kallos Dr. Kartik Murari
A13	<i>Understanding the Human Body</i>	In this workshop you will be introduced to the anatomical specimens used as a teaching resource in the medical program. Several cadavers will be discussed, showing major anatomical features of specific organ systems. Following a brief description of each cadaver, participants will be offered the opportunity to put on protective gloves and coats and explore the cadavers and ask specific questions regarding each preparation. *Please note there is a dress-code for this workshop as you will be entering the Special Procedures Lab – long pants and closed-toe shoes required.	18	0	Dr. John Bertram Special Procedures Lab
A14	<i>What's Psychiatry All About?</i>	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!	0	15	Dr. Nia Abdullayeva
B01	<i>A Day in the Life of a Nursing Student</i>	Ever wonder what nursing students learn and how they learn it? We invite you to explore UCalgary Nursing and our Clinical Simulation Learning Centre, a mock hospital setting right on the main UCalgary campus. In addition to touring our space, you may see some of our current undergraduate students practicing their skills.	15	15	Karen Cook Jeff Dawes Tammy Hnatyshyn Professional Faculties Building 1297