

University of Calgary
Wednesday, October 19, 2022

WORKSHOP CATALOGUE

CODE	TITLE	DESCRIPTION	AM	PM	PRESENTER(S)
A01	Cardiac Magnetic Resonance Imaging: Experimental models and 4-dimensional hemodynamics	This workshop is divided in the following sections: 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 Flores (Radiology) Stephenson Cardiac Imaging Centre Boardroom
A02	A Career in Exercise Physiology: Research and Clinical Work	In this workshop, you will learn some of the basics of exercise physiology, as well as explore the unique academic and professional career paths.	10	10	Dr. Nicholas Bray Courtney Ellis 01504
A03	The Human Body: A Primate-Microbe Hybrid	In this workshop, you will learn about the microbiome. We will discuss this dynamic community of microbes that exist in and on our bodies and how the community may shift during disease. Microscopes will be provided for you to visualize host associated microbes.	0	25	Diana Changirwa Mackenzie Gutierrez Karen Lithgow 01503 LCI Teaching Lab
A04	Brain Imaging	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. Bradley Goodyear Seaman Family MR Research Centre
A05	Medical Genetics: A career as a genetic counsellor	In this workshop you will learn about the exciting and rapidly evolving field of genetic counselling, the various career opportunities and the education/credentials required to enter the profession. We will also work through some case examples to get an idea of the role that genetic counsellors play in the healthcare of an individual/family.	0	20	Teresa Hunt G637

A06	Emergency Medicine: The thin slice	What does a career in pre-hospital emergency medicine look like? What does the journey from paramedicine to medicine look like? What has changed in emergency medicine over the last decade, and more recent stressors? How do the pre-hospital and hospital aspects of emergency medicine interact? Join us to find out!	0	20	Craig Bertagnolli Ian Cooper G643
A07	A Day of Field Work on Sable Island	Learn about research being conducted for the Sable Island Horse Project! As part of the Faculty of Veterinary Medicine, the Poissant Lab conducts extensive field work to investigate the ecology and evolution of Sable Island horses. Unlike traditional animal health sciences research, the Poissant Lab is limited to non-invasive techniques to understand the biology of these horses. Our lab capitalizes on the rich trove of biological information collected from fecal samples to test a variety of hypotheses relevant to the health of wild and domestic animals. Join us as we examine more than just a theory!	18	18	Micky Ahn Chanwoori Jeong Ihncheol Jung Sina Mohtaseb Rachel Reed HRIC BA65
A08	Navigating Community-Based Research: Opportunities for social action and change	Community-based research is “a research approach that involves active participation of stakeholders, those whose lives are affected by the issue being studied, in all phases of research for the purpose of producing useful results to make positive changes.” (Nelson, Ochocka, Griffin & Lord, 1998, p. 12). In this workshop, you will gain an understanding of the fundamentals of community-based research. From building partnerships for research to mobilizing partnered research knowledge, you will be introduced to examples of successful projects and have an opportunity to discuss different case studies illustrative of challenges and possibilities in community-based research.	40	0	Dr. Meaghan Edwards O1509 / 1509A
A09	Diagnosis of Malaria: From traditional approaches to omics methods	In this workshop, you will learn about the traditional approach to diagnose malaria and the new technologies that were developed in the past 50 years. In addition, we will open the discussion to new approaches and biomarkers, with current and past research helping to demonstrate the next challenges for malaria control and elimination. Activities may include looking at microscopy slides and point of care devices.	15	0	Claire Kamaliddin G748
A10	Music, the Brain and Medicine: The AmbuloSono-ACSCON Project	Are you curious how we study the impact of music on the brain? This workshop starts with a brief lecture after which participants will be taught how to use wearable sensors and an app to measure the effect of music on walking and mental calculations. Wear comfortable shoes and come prepared for fun! You'll also be taking part in an important research project in which your name and testing results remain anonymous at all times.	60	60	Dr. Bin Hu Adam David Elbert Tom Howard Leong Melody Chu Rose Muhammed Gala McCrown Jillian Kitt Khadiza Ahsan Shubh Patel

					Tanmoy Newaz Libin Theatre & HRIC Atrium
A11	Biomedical Engineers: What do they do and how do you get into this field?	In this workshop we will introduce you to pathways to a career in health solutions powered by engineering and solving problems. How we interact with health care providers to find needs and solutions, and how 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!	25	25	Dr. Laura Curiel Dr. Michael Kallos G744
A12	Intro to Procedural Skills	This workshop will provide an introduction 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	Samuel Alatorre-Hinojosa Chelsea Barlow Alice Ko G732
A13	Deliveries and Discoveries	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. Sarah Glaze Dr. Kimber Thornton
A14	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	Dr. Martina Kelly Dr. Vince Vong ATSSL Clinical Simulation Lab (G820)
A15	Discovering and Modulating Brain Circuits	In this workshop you will learn about brain circuits involved in movement disorders, and how these can be modulated with Deep Brain Stimulation.	0	10	Dr. Camila Aquino Dr. Fady Girgis G748
B01	A Day in the Life of a Nursing Student	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 Leah Tellier Professional Faculties Building 1297