

University of Ottawa
Wednesday, May 11, 2022

WORKSHOP CATALOGUE
AM Workshops 10:00AM – 11:30 AM
PM Workshops 12:30 PM – 2:00PM

CODE	TITLE	DESCRIPTION	# OF SPOTS AM	# OF SPOTS PM	PRESENTER(S)
A01	Public Health; The Interplay Of Personal, Community, Population And Global	Public health is a branch of medicine that focuses on preventing disease. While a doctor treats sick people, people working in public health try to prevent people from getting ill or injured in the first place. Come learn about public health and various careers in public health, explore what makes us sick and learn how public health keeps people healthy and use data to understand a public health problem and develop recommendations to address it.	10	15	Camilia Thieba Learner Interdisciplinary School of Health Sciences
A02	Microverse: Immersive Microscopy Experience	Welcome to the Microverse! While entering in the Light Microscopy room, you will be using high resolution microscopes to visualize the invisible world of medicine. You will observe various samples that Faculty of Medicine researchers prepare to visualize cellular mechanisms and explore treatment options “for a healthier world”. You will be immersed in a world of amazing colors and see structures 1000 times smaller than a hair! You will also talk to two microscopists with two different career paths.	10	10	Chloe Van Oostende-Triplet, PhD Core Manager and Microscopy Specialist Senior
A03	Occupational Therapy: The Key To Independence	Occupational Therapists work with people who have difficulty doing daily activities such as eating, washing, going to school due to a medical condition, or following an accident. You will learn about various disabilities and specific interventions, listen to client testimonials, and analyze case studies. Discover how the possibilities are endless and how everyone can live a fulfilling life.	10	20	Christine Guptill, PhD Assistant Professor Faculty of Health Sciences
A04	Discover Neural Stem Cells	With so much talk about stem cells, here's your chance to learn more about them! Discover our research in using adult neural stem and progenitor cells to understand how these cells work and what they do after a stroke. You will visualize these cells in a dish growing and be involved with processing brain samples to see the stem cells and the neurons that arise from the stem cells in our special transgenic mice models.	10	10	Diane Lagace, PhD Associate Professor Department of Cellular and Molecular Medicine
A05	Brief Introduction To Surgery	Welcome to Surgery 101 where you will learn about the basics of surgery and have the opportunity to engage in activities such as "scrubbing in", suturing, hand types, laparoscopic skills, and more!	10		Emily Nham, MD Resident
A06	The Frontiers Of The Mighty Cells: Tango With Proteins	In this workshop, we will see layers of boundaries on the cells, the minimal living units on our planet, and explore what these boundaries are made of. We will explore together how proteins, one of the important components, play a role in these cell boundaries and inspect what makes proteins at the perspective of a super-microscopic scale (a.k.a. ATOMIC)!!	10	10	Jyh-Yeuan (Eric) Lee, PhD Assistant Professor Department of Biochemistry, Microbiology and Immunology
A07	Innovative Health Research Or How To Combine Expertise In Research, Clinical Care, Business, Computer Science And Art	This workshop will present various innovative research projects in both pediatric and adult health care. The workshop will also describe how these projects combine different types of expertise (for example: research methods, clinical care, psychology, business, computer science and art). The workshop will encourage participants to reflect on their own interests and skills to help them figure out which careers would interest them the most, as well as how they could combine their different interests and skills to have a fulfilling career in research, health care (e.g., medicine, nursing, psychology, rehabilitation sciences) or another field. The workshop will include quizzes and small and big group discussions.	10	15	Karine Toupin-April, PhD Associate Professor School of Rehabilitation Sciences, Faculty of Health Sciences; Department of Pediatrics Faculty of Medicine; Children's Hospital of Eastern Ontario Research Institute
A08	What It Means To Be A Nurse	This interactive workshop will reflect on student's current perceptions of nurses and nursing work. From there we will learn more about the work that nurses do and we will learn about some of the places where nurses work, including some that we might not think of right away. We'll also talk about how nurses worked through the Covid-19 pandemic, and we'll hear (virtually) from some Canadian nurses who are thrilled to share with us what being a nurse means to them.	10	10	Kim McMillan, RN Assistant Professor Faculty of Health Sciences
A09	Clinical Exercise Physiology Lab	The Clinical Exercise Physiology Lab is located in the Faculty of Health Sciences at the University of Ottawa. Our research program focuses on understanding the role of exercise and wellness in the management and treatment of disability arising from neurological disorders, particularly multiple sclerosis. Our session will explore topics of exercise, rehabilitation and chronic disease, and will provide demonstrations and activities involving clinical testing and adapted exercise rehabilitation equipment.	10		Lara Pilutti, PhD Associate Professor Interdisciplinary School of Health Sciences
A10	Working Out The Mysteries Of Skeletal Muscle Growth And Repair	While it is common knowledge that exercise is good for you, there is surprisingly little information on how exercise causes these beneficial adaptations. In this workshop, students will be exposed to research questions, designs and methods in molecular exercise physiology, a field devoted to understanding the mechanisms responsible for the beneficial effects of exercise. The workshop will include an interactive presentation, a Q&A with scientists studying molecular exercise physiology, and a tour of a molecular exercise physiology lab.	10		Michael De Lisio, PhD Associate Professor Human Kinetics Faculty of Health Sciences

A11	Public Health And Epidemiology: Fighting For Solutions That Have Impact	Should vaping be allowed on high school property? Should mental health screening be available to all students in high schools? Should energy drinks be taxed at a higher rate to decrease teen consumption? This workshop will provide an overview of career paths for those interested in public health and epidemiology and give students an opportunity to debate different approaches to solve public health challenges. In the first 30 minutes, we will describe different careers in the field of public health including research and more applied careers in public health practice and policy. In the remaining 60 minutes, workshop participants will be divided into groups and will prepare and engage in a debate on a chosen public health topic.	10	20	Monique Potvin Kent, PhD Associate Professor Ian Colman, PhD Professor Beth Potter, PhD Associate Professor Melissa Brouwers, PhD Professor and Director School of Epidemiology and Public Health
A12	Viral Vaccines	Learn about pandemics, coronaviruses, and assess the effectiveness of public health measures such as mask requirements. You will also be introduced to vaccines, the basics of vaccine development, and will be challenged to develop your own vaccine against the virus.	10	10	Mr. Alex Caballero Gomez Let's Talk Science
A13	Overview And Innovation At The Department Of Family Medicine	During this interactive workshop, you will get to learn about hypertension and blood pressure; experiment with a new sports medicine application used for Musculoskeletal treatments; learn about current systemic and institutional racism issues in family medicine; learn about patient history components and other innovative tools currently being practiced in family medicine.	10	15	Mr. Jeffrey Puncher Department of Family Medicine
A14	Amazing Race: Personal Genomics	Get an overview of genetics and how genetic screening is done to identify risk of disease. Discussions will cover some of the ethical issues associated with genetics-based decision-making and the concept of genetic mutations in cancers and how that helps to tailor personalized cancer treatment. Most of the learning elements are embedded within an Amazing Race-style competition.	10	15	Ms. Ashley Janna Let's Talk Science
A15	Translational And Molecular Medicine Labs: From Benchwork To The Clinics	Work through case studies and apply biological concepts to understand disease mechanisms and identify potential therapeutic avenues. Students will get a taste of what it is like to be a TMM student or work in a translational research setting.	10	15	Ms. Laila Alfadhli Let's Talk Science
A16	Pathways To A Career In Child And Youth Mental Health	In this workshop, we will review various career paths that lead to working in child and adolescent mental health. These include Social Work, occupational therapy, psychology, and medical school leading to the field of paediatrics or child and adolescent psychiatry. You will also hear from clinicians currently working in the field about what their work looks like day to day.	10		Olivia Macleod, MD Department of Psychiatry Faculty of Medicine Michel Poirier, MSW/RSW Clinical Team Lead Mental Health Outpatient Clinic
A17	Human Movement Analysis: From Video Games To Sport Performance To Surgical Planning *Shuttle to Lees Campus	This workshop will introduce the field of human movement analysis and biomechanics and discuss the many career paths that are available in these fields. A demonstration of state-of-the-art motion capture technology will be shown, which will be followed up by tutorials on how data can be used across a spectrum of use-cases: from video games to sport performance, to surgical planning. Throughout the workshop, the presenters will also discuss how big data and artificial intelligence are continuously changing the field, and new frontiers for these areas of research.	10	10	Ryan Graham, PhD Associate Professor Allison Clouthier, PhD Assistant Professor Faculty of Health Sciences
A18	How To Take Out A Brain Tumor With The Patient Awake	How does a neurosurgeon take out a brain tumor? You will learn the steps in operating on a patient's brain—while they are wide awake.	10	10	Safraz Mohammed, MD Assistant Professor, Neurosurgery
A19	Studying The Impact Of The Social Determinants Of Health	In this workshop, participants will learn about the social determinants of health and the tools we use to study these. Create graphs that demonstrate the relationship between different measures of social vulnerability and health measures such as smoking, having diabetes, and other measures. Learn about what resources are available to help individuals overcome the problems caused by their social context.	10		Simone Dahrouge, MD Family Physician Faculty of Medicine
A20	Current And Future Medicine Practice And The Role Of AI In The Changes	Come learn about Dr. Syed Aziz research and career path. Dr. Aziz research work comprises of Breast Cancer Genetics, which reveals the Genetic prognostic indicators in breast cancer. He has completed postdoctoral fellowship training from the University of Ottawa, in 2005.	10	10	Syed Aziz, MD Full Professor Department of Pathology Faculty of Medicine
A21	Discovery Of New Molecules To Eliminate Cancer	Dr. Benoit's laboratory is working to identify chemical compounds capable of eliminating a type of cancer cell that is particularly resistant to standard treatment and responsible for the progression of the disease. You will receive explanations on the new methods put forward to better target these highly aggressive cells and you will be able to visualize certain experimental components of these inside the laboratory.	10	10	Yannick Benoit, PhD Assistant Professor Department of Cellular and Molecular Medicine
A22	Exploratory Surgery!	Human diseases come from problems at a cellular level, but manifest as complications that we can both see and feel. To be able to understand human disease, we have to understand what is happening both at a cellular and whole body level. In our lab, we use mice as a model system to understand the complex relationships between metabolism and the immune system. Come join us for a session of exploratory surgery, where you will get a glimpse of how the body works and how we can study why it sometimes doesn't.	5		Morgan Fullerton, PhD Professor Department of Biochemistry, Microbiology and Immunology
A23	Flow Cytometry	The uOttawa Flow Cytometry and Virometry Core Facility is a state of the art facility offering high-speed cell sorting services, flow cytometry analysis, and training, teaching and support to the research community. We are also one of the few core facilities in Canada that specialize in nano-sized particles such as viruses and extracellular vesicles. Come see how flow cytometry and our state-of-the-art instruments are used to determine the properties of cells. Get ready for a demonstration of cell analysis using one of our cytometers!	5	5	Vera Tang, PhD Operations Manager uOttawa Flow Cytometry and Virometry

A24	The Privilege & Life Lessons Learnt From Caring For Families From Cradle To Grave	During this presentation, students will be introduced to the world of family physicians and how a family doctor can advocate and support a family all along life's health journey.		10	Aileen Comerton, MD Family Physician & Lecturer Faculty of Medicine
A25	No Bones About It: Anatomy Plays A Foundational Role In Health Care	No bones about it, anatomy is a core foundational science in health care. Underlying the safe treatment of patients is a careful understanding of anatomical relationships. Students in this workshop will rotate across various stations to identify key structures in various systems of the body.		20	Christopher Ramnanan, PhD Division of Clinical and Functional Anatomy, DIME and Associate Professor
A26	Sneak Peek Into The Path To Becoming A Family Doctor	In this workshop, we will hyperlapse through the journey from high school to medical school and residency. Learn about the endless opportunities as a family physician, from working in rural communities in Canada and abroad, to clinic and hospital settings and the private sector. Get hands-on experience with a mock interview, scrubbing-in to prepare for surgery, conducting a newborn baby exam, and casting a limb. You will have plenty of time to ask questions and learn more about life in medicine and as a family doctor.		10	Pamela Lai, MD Family Physician
A27	What Is Histology And Why Study It?	Come learn about histology, recognize why it is important to study histology and how to identify the 4 fundamental tissues of the body		10	Safaa El Bialy, MD, PhD, M.Ed Clinician-Teacher Division of Clinical and Functional Anatomy
A28	Histology And Pathology: The Picture That Tells A Story	Come learn how we work with microscopic tissues in our Histology Core Facility, where our team of skilled technologists and researchers provide histology advice and technical services to the research community. You will learn hands-on techniques, including embedding and sectioning samples, staining slides, and observing these slides under the microscope. See what it's like to be a lab technician and hear about the career paths within the Department of Pathology and Laboratory Medicine.	24		Mrs. Priyanka Agarwal Histology Core Faculty of Medicine
C01	My Journey From The Village To The Cancer Clinic	Come learn about Dr. Rajv Samant's career path and his journey from being an immigrant to going to medical school. Participants will be asked to share their stories and aspirations. Dr. Samant wants to show you how incredible your potential is and the wonderful opportunities in Canada.	10		Rajiv Samant, MD Radiation Oncologist The Ottawa Hospital
C02	The Covid Pandemic Demonstrates How Medicine Can Challenge You In Facet Of Being	"Am I suited for medicine? Our crisis of the Covid19 pandemic readily demonstrates physicians can be challenged not just from a medical point of view, but also as a communicator, an organizer, a leader, a scientist, health advocate, innovator, and most importantly a healthy, reflective, and resilient human being. Students will be challenged to think about how they would have handled the pandemic as a front-line physician. They will envision themselves living a life that is full of unexpected challenges, rising to the occasion, and sometimes being stretched to the limit. This will be done through interactive case scenarios and discussions. There will be time for their own questions and answers."	6	6	James Chan, MD Department of Medicine The Ottawa Hospital
C03	Medical Oncology: Where Research Meets Compassionate Care	An interactive description of the pathway to nursing and physician careers in cancer care.		10	Moira Rushton-Marovac, MD Medical Oncologist The Ottawa Hospital Tiffanie Sabourin Oncology Nurse The Ottawa Hospital