

University of Manitoba  
Thursday, November 9, 2023

## WORKSHOP CATALOGUE

Code	Title	Description	AM	PM	Presenters
A01	<b><i>Under the Microscope: What IS pathology?</i></b>	In this workshop you'll learn about the medical science that involves the study and diagnosis of disease through the examination of surgically removed organs, tissues (biopsy samples), bodily fluids, and in some cases the whole body (autopsy). Gory picture alert!	0	10	Dr. Gabor Fischer Nnenna Ofoegbu (Diagnostic Services Manitoba)  Brodie 404 & 401
A02	<b><i>I ♥ Anatomy!</i></b>	Presenters will explain why they love anatomy and the joys of teaching it! The workshop will be a live lab where we will venture into the amazing anatomy of the human heart. We will teach you the chambers and valves, where the heart can be found in your chest wall and perhaps we will have time to show you some pathologies. This lab is not for the faint of heart, pun intended! Have an open mind and great respect for our donors whose last wish was to study from their body donation.	20	0	Leilanie Clayton Dr. Alexa Hryniuk Terry Li (Human Anatomy & Cell Science)  Dr. George Yee Laboratory of Anatomical Sciences (BMSB) Lab 1
A03	<b><i>It was the best of birth control; it was the worst of birth control...and the aftermath</i></b>	Join this informative and hands-on workshop on IUD insertions, condom applications, and labor and delivery of babies!	36	0	Joanna McDonald Dr. Adelia Yu (Obstetrics, Gynaecology & Reproductive Sciences)  Apotex RM071 (061, 069, 071)
A04	<b><i>Just Another Day at the Office</i></b>	A hands-on workshop that demonstrates the variety of things family physicians see every day, including suturing, x-rays and a variety of clinical skills. SPONSORED BY: Manitoba Healthcare Providers Network.	30	0	Kelsey Conrad Jenna Cross Dr. Don Klassen Dr. Kat Lee Shreya Sharma Kiana Tate Rachel Wiens (Family Medicine)  Skills Lab
A05	<b><i>Twitch Talks: Activation of brain, spinal cord and nerves in humans</i></b>	This workshop will demonstrate how non-invasive stimulation of the brain and the nerves is possible in humans. The electrical and magnetic stimulation of the nervous system will be explained and you can try out some of it in addition to testing other machines in an electrophysiology lab. How forces and movement is measured in humans will also be demonstrated when studying gate patterns. In addition, you will be able to try out some exercise equipment used by people with spinal cord injury for training.	12	12	Dr. Katinka Stecina (Physiology & Pathophysiology)  BMSB 407 & 409

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A06	<b>The Art and Science of Dentistry</b>	In this workshop we will discuss the diverse career path of dentistry. Learners will have an opportunity to work in a preclinical environment using common dental materials and be introduced to modern digital dentistry techniques.	20	0	Dr. Cristina Fiuza Dr. Vanessa Hunzinger (Dr. Gerald Niznick College of Dentistry)  Hart Lab
A07	<b>Nursing Skills and Simulation Labs</b>	In this workshop, you will gain hands-on experience administering subcutaneous injections to a simulated patient and work with wounds and ostomies. We are also excited to show you how we assess and treat patients who have problems with their respiratory system. This workshop is led by College of Nursing instructors.	30	0	Josie Bolianatz Caitlyn Farr Elyse Griffith Chen Jin Alia Lagace Federico Lopez Ficher Asha Pereira Sufia Turner Danielle Yaffe (College of Nursing)  Brodie 000 (Room 11, 12, 13)
A08	<b>Ongomiizwin - Clearing a Path for Generations to Come</b>	Elder Margaret Lavallee will start our time together with opening blessings and remarks. You will have a chance to learn about the resources and supports that encourage our future Indigenous students into the exciting areas of healthcare. You will have a chance to hear from an Indigenous student about their journey into their healthcare program. We will share information about the many professional health program choices available at the Rady Faculty of Health Sciences.	0	25	Chantal Daniels Dr. Sari Hannila Kimberly Hart Elder Margaret Lavallee Charlotte Nolin Derek Stewner (Ongomiizwin - Indigenous Institute of Health and Healing)  Basic Medical Science 626
A09	<b>Get Ready for a "Dental Hygiene Cash Cab" Adventure!</b>	Learn about the fascinating world of dental hygiene while being part of an exhilarating game-show-style experience. Welcome to "Dental Hygiene Cash Cab," where education meets excitement, and knowledge leads to incredible prizes! Step into our virtual cab, and get ready for an unforgettable ride! Answer dental hygiene questions and engage in fun challenges. Whether you're a solo player or part of a team, "Dental Hygiene Cash Cab" encourages collaboration. Share your knowledge, strategize with your fellow passengers, and aim for victory. While having a blast, you'll also gain a solid understanding of why dental hygienists call themselves clinicians, educators, health promoters, researchers, and life savers. Join us on this thrilling educational adventure, where learning about dental hygiene isn't just informative; it's an adrenaline-pumping experience with rewards waiting at every turn. Get ready to step into the <i>Dental Hygiene Cash Cab</i> and drive your future career towards dental hygiene!	0	25	Prof. Mary Bertone Cindy Isaak-Ploegman Prof. Kathy Yerex (School of Dental Hygiene)  Brass Lab D220

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A10	<b>Occupational, Physical and Respiratory Therapies: Helping people live life, to potential</b>	Illness or injury can keep people from breathing freely, moving easily and living their life to their fullest. Occupational, physical and respiratory therapy are three in-demand professions that help people meet their goals in school, work, play and community participation. In this experiential workshop, you will interact with therapy students and clinicians, and experience what it might be like to work as a therapy professional.	30	0	Cara Brown Ian Hay Kailtin King Roland Lavallée (College of Rehabilitation Sciences)  Rehabilitation Sciences R224
A11	<b>Pursuing a Career as a Registered Dietitian</b>	What IS a registered dietitian? Join us to learn more about how to become one in Manitoba and current job trends.	0	20	Dr. Semone Myrie Jessica Rutherford (Food & Nutritional Sciences)  BMSB 219/221
A12	<b>Is AI Smarter than a High Schooler? Exploring AI-focused research careers in the Health Sciences</b>	Are you interested in a potential career as a radiologist or intrigued by the prospect of conducting cutting-edge research investigating the use of artificial intelligence (AI) to enhance disease detection in medical images? In this workshop, you will learn the fundamentals of medical image interpretation and gain hands-on experience identifying diseases in medical images—get ready for an exciting competition with workshop participants divided into groups, vying for prizes awarded to those achieving the highest accuracy scores! We will demystify how AI is able to detect disease in medical images and provide you with the tools to assess the accuracy of these models. Come test how your human intelligence stacks up against AI and, in the process, develop a deeper understanding of research careers within the health sciences. In today's world, AI is ubiquitous, and comprehending AI will be an asset regardless of your future career aspirations. Join us for an enlightening workshop that will broaden your horizons and equip you with essential skills for the future!	0	20	Douglas Kimelman Dr. William Leslie Barret Monchka (Centre for Healthcare Innovation)  Chown Building 474
A13	<b>Gynecology Workshop</b>	A hands-on introduction to women's reproductive health! Learn about different forms of contraception, STI testing and Pap smears. Students will be guided through a simulated intra-uterine device insertion and speculum exam.	0	30	Emelissa Valcourt (College of Medicine)  Apotex RM071 (061, 069, 071)
A14	<b>Life as a Clinical Psychologist and Scientist: Expect the unexpected</b>	Participants will learn about how to become a clinical psychologist, what a clinical psychologist does, and what our treatments look like. You will also learn some of the basics of cognitive behavioral therapy including how are thoughts connect to our emotions and our behaviour. You will hear about some of the advancements in our discipline including how innovative technology such as virtual reality can be used in a clinical setting. You will even have the opportunity to try out a virtual reality simulation that has been used with patients and learn other hands-on therapeutic strategies.	12	12	Dr. Marissa Bowsfield Dr. Renée El-Gabalawy Gabrielle Logan Brooklyn Toderan (Clinical Health Psychology)  AM: PX334   PM: PZ406

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A15	<b>I Want To Be a Doctor - Now What?</b>	In this workshop, you will learn how someone becomes a doctor in Canada and the steps you can start taking now! Did you know that we have a medical school right here in Winnipeg? Two medical students will discuss their journeys from high school to medical school; both are non-traditional routes with unique histories and backgrounds that will inspire you.	20	0	Nolan De Leon Mary Strain (College of Medicine)  Pathology Theatre E
A16	<b>Medical Genetics and Genomics: Career Possibilities are Endless</b>	Your family member gave birth 4 days ago to a healthy, full-term baby. Today, she received a call from the Genetics Department; her baby had an abnormality detected on the "newborn screen", a test that is routinely offered to all newborn babies in Canada. The Genetics Health Care Team is ready to respond. Learn more about each team member's role, and how you can become part of this specialized health care team. BONUS: Meet 2018 CMHF Laureate Dr. Cheryl Rockman-Greenberg!	0	40	Dr. Ron Agatep Katherine Chimney Cherie Evans Daena Hirjikaka Dr. Aziz Mhanni Dr. Cheryl Rockman-Greenberg (Pediatrics & Child Health)  Pathology Theatre E
A17	<b>Neuroanatomy: Exploring the Brain</b>	In this workshop, students will have the opportunity to see and handle human brain specimens. With the assistance of the presenters, students will learn to identify different parts of the brain, their functions, and how they are affected by disease.	20	0	Dr. Sari Hannila (Human Anatomy & Cell Science)  Dr. George Yee Laboratory of Anatomical Sciences
A18	<b>Biosystems Engineering Assistive Technologies Design Challenge</b>	We will give a brief overview of the Biosystems Engineering Program, with special emphasis on the biomedical specialization. For the majority of the time, students will get to experience the role played by an engineer in the development of assistive technologies for individuals with disabilities by participating in a design challenge. Students will build and test a device.	0	20	Rebecca Chin Dr. Jason Morrison (Biosystems Engineering)  BMSB 208/210
A19	<b>A Day in the Life of a Microbiologist</b>	Do you think medical research may be for you? This workshop will expose you to a day in the life of a medical microbiologist where you will visit an HIV and anti-microbial resistance lab. You will gain hands-on experience in various lab techniques used in the study of HIV and anti-microbial resistance and tour a Level 2 Containment Laboratory where research is being conducted on viruses such as HIV and Flu.	20	0	Allison Balasko Dr. Denice Bay Dr. Keith Fowke Natasha Hollett Dr. Julie Lajoie Toby Le Genevieve Loiselle Shifa Mohideen Peter O'Reilly Carmine Slipski Steve Wayne (Medical Microbiology and Infectious Diseases)  BMSB 540B

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A20	<b>What's Psychiatry All About?</b>	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. Josie Cosyns Dr. Lochlan Wilson (Psychiatry)  PZ434
A21	<b>Med School Admissions 101</b>	In this workshop, we will outline key parts of the medical school admissions process, with tips, tricks, and resources. A few students from different backgrounds will share their stories that led them to acceptance at the Max Rady College. An interactive Q&A session will give students the opportunity to ask questions and learn more about what they can do to prepare for admissions.	0	20	Giulia Costantini Caitlin Culleton (College of Medicine)  BMSB 216/218

**The following two workshops are taking place at the St. Boniface Research Centre Youth BIOlab. Participants will travel by school bus from the Brodie Centre to the lab following the keynote lecture, remain at the lab for lunch and then return to the Brodie at 2:30. When registering online for either B01 (MORNING) or B02 (AFTERNOON) PLEASE DO SO FOR BOTH. Do not select these if you have any concerns about remaining at the lab for both sessions.**

B01 & B02	<b>Neuroscience and Cardiovascular Research at St. Boniface Hospital</b>	In our morning workshop you will see how neuroscientists study memory and brain diseases such as Alzheimer's. You will get to dissect a real brain, view cells and tissues under the microscope and witness memory experiments that we use to understand brain function. In our afternoon session, you will see how cardiovascular scientists study heart disease from the molecular and cellular level to the whole organism. You will see live heart cells in the microscope, dissect a pig's heart to see how heart attacks happen and learn about how our scientists investigate stem cells for use in future therapies. We will tour our research floors and meet scientists and students who work on these problems every day.		25	Stephen Jones (St. Boniface Hospital Albrechtsen Research Centre)  SBRC Youth BioLab, RL016
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