

BC Children's Hospital Research Institute  
 Wednesday, November 1, 2023

## WORKSHOP CATALOGUE

CODE	TITLE	DESCRIPTION	AM	PM	PRESENTER(S)
A01	<b><i>Interpreting Genomes for the Discovery of Rare Diseases</i></b>	<p>It might surprise you: rare diseases aren't so rare! Advances in genomic technologies have identified new disease-causing genes at an astonishing rate – over 4000 single-gene diseases compared to approximately 50 in 1990. Genomics focuses on the study of the genome, the complete set of genes in an organism that makes up the blueprint of life. Although genomics can be applied to a wide range of scientific fields, it is now frequently used to identify the genetic causes of diseases in humans.</p> <p>In our workshop, you will see the clinical potential of genomic technology to diagnose rare diseases through hands-on case studies and the extensive applicability of genomics within clinical diagnostics.</p>	30	24	<b>Courtney Hoskinson,            Simran Samra &amp;            Maryam Vaseghi-Shanjani</b>  Room 2108
A02	<b><i>EATing in a GENdered World: Empowering youth to adopt food habits rooted in health instead of norms</i></b>	<p>In this workshop we'll walk through a couple real life examples of gender norms in eating to help youth identify instances of this in their own lives that they have experienced or witnessed. This will be followed up by a discussion of how we then use research (as a career and process) to try and dismantle eating for gender norms. This is the research of my PhD project, so I intend on walking through it very stepwise as my journey to this project.</p>	0	12	<b>Alysha Deslippe</b>  Room 3113
A03	<b><i>Exploring Patient-Oriented Research in Pediatrics</i></b>	<p>In this workshop, you will be introduced to the importance of patient-oriented care in research. Patient-oriented research is about engaging patients, their caregivers, and families as partners in the research process. You will view a presentation on the different components of the research process and how patient perspectives can be integrated at each step.</p> <p>At the end of the presentation, you will have the opportunity to practice implementing patientcare in a variety of settings. Case studies will be presented to you, and you will be asked to identify where and how to engage different stakeholders. You will learn how patient-oriented research focuses on the patient's priorities and can ultimately lead to better patient outcomes.</p>	50	30	<b>Mahnoor Faisal</b>  Beth Israel – Ball Room
A04	<b><i>Newborn Intensive Care: Off to a good start!</i></b>	<p>In this interactive workshop, you will learn how babies transition to life in the real world. You will get to see what happens when things don't go as expected and how doctors train with simulated patients to practice for these emergencies. You will get a hands-on experience in dealing with an</p>	12	12	<b>Jonathan Wong &amp;            Deepak Manhas</b>  T2-527

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		emergency and learning what is done in the Neonatal Intensive Care.			
A05	<b>Occupational therapy in pediatrics at BCCH</b>	Participants will learn what Occupational Therapy is, where they work, and about the range of interventions they use. Students will have the opportunity for 'hands-on' learning and will rotate between various workstations where demonstrations or practice of the interventions will take place.	0	20	<b>Cheryl Sabarre, Tricia Lang &amp; Adi Keidar</b>  SHY Auditorium
A06	<b>Why Speech Language Pathology is AWESOME!</b>	In this workshop you will get a general overview of the profession of speech language pathology. You will find out what education is needed, where you can work, the kinds of people you can support, the role and responsibilities of a speech language pathologist and expected salary. We will explore various technology used to support communication and learn more about the unique opportunities the presenters have enjoyed in their chosen profession.	30	24	<b>Sydelle Murphy &amp; Karyn Rehbock</b>  Chan Centre for Family Health
A07	<b>Supporting the Psychosocial Care of Children and Families in Hospital: The Role of Child Life Specialists</b>	In this workshop you will learn the unique stressors of the hospital for children and families and learn interactive techniques to support and promote coping.	16	16	<b>Rebecca Steel, Ashley Toleron, Hayley Topp &amp; Heather Denton</b>  C3-302 Clinical Support Building
A08	<b>Physiotherapy: It Will Move You!</b>	You will gain and understanding of the Physiotherapy Profession, hear from some recent UBC graduates, and participate in hands on activities to give you an idea of how important and how much fun physio can be.	0	18	<b>Kathy Coutour, Jasmin Samra &amp; Megan Brushetta</b>  Gym BCCH
A09	<b>Getting Psyched for Psychology</b>	Have you ever wondered what a psychologist working at a children's hospital does? In this workshop, you will hear about how psychologists assess, diagnose, and treat child mental health issues. You will also have a chance to participate in an interactive activity to practice psychological assessment and treatment skills.	30	0	<b>Erin Moon &amp; Hope Walker</b>  Room 3113
A10	<b>Pandemic: The Escape Room</b>	It's November 1st, 2023. The World Health Organization has called an emergency meeting regarding a recent disease outbreak that is poised to become the second global pandemic in the last 3 years. You are stepping into your role as an Outbreak Investigator and must determine what is causing the illness and how to prevent a global pandemic before it's too late.	20	18	<b>Kaitlin Winter, Bernice Ramos, Liam Mullins, Emily Mason, Kristen Tien &amp; Jonah Hill</b>  KO-155
A11	<b>Discover Women's Health Research: Endometriosis</b>	Endometriosis is a condition where the tissue similar to the lining of the uterus begins to grow outside of the uterus. Approximately 10% of women, girls, and/or people born with a uterus are affected by this painful condition worldwide, yet its cause remains unknown! In this workshop, you will learn the signs and symptoms of endometriosis, how it is diagnosed, and how it can be treated. We will visit a basic science research lab, take a tour, and learn how to identify endometriosis on a real patient surgical sample under the microscope and histology techniques currently used to identify potential clinical biomarkers in endometriosis	0	7	<b>Mahfuza Sreya</b>  WHRI Research Wet Lab

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		<p>research.</p> <p>Hands on:</p> <ol style="list-style-type: none"> <li>1. Lab safety</li> <li>2. Histology basics</li> <li>3. Histology staining techniques</li> <li>4. Identifying endometriosis under the microscope</li> </ol>			
<b>A12</b>	<b><i>Human Vision: How to assess it</i></b>	In this workshop you will learn about different aspects of vision and how they can be disrupted in childhood by neuro-divergent development. You will see the tools we use to assess vision, and you will have the opportunity to participate in several different hands-on activities to measure your own vision.	14	13	<b>Deborah Giaschi, Akosua Asare, Alex Cook &amp; Ahad Zafar</b>  Ophthalmology Research Lab - BCCH
<b>A13</b>	<b><i>Pediatric Medical Imaging</i></b>	This will be an overview of the exciting field of Medical Imaging. This includes many modalities like x-ray, CT, MR, Ultrasound, Nuclear Medicine, Interventional Radiology, and Mammography. We will explain the training program, describe different kinds of equipment that is used, imaging exams that we perform, and the role we play as part of the larger health care team.	20	18	<b>Karin Le Page, Samantha Morrow, Jessica Kwan &amp; Hanna Ballantyne</b>  T1 378
<b>A14</b>	<b><i>Targeting cancer, one gene at a time</i></b>	Cancer forms as a result of multiple mutations in a cell's genetic code. While these mutations allow cancer to grow rapidly out of control, they also become a weakness that we can target in the clinic. This workshop will explain how scientists and physicians are using synthetic lethality to target cancer through a series of activities and games.	0	30	<b>Katherine Baillie</b>  D210
<b>A15</b>	<b><i>Putting the "Rad" in Radiation Therapy – Using Radiation Therapy to Treat Cancer</i></b>	This workshop will introduce radiation therapy as a modality in cancer treatment. Students will learn about the radiation therapist's role in the care team, a day in the life of a radiation therapist, and how to become a radiation therapist. Students have the opportunity to participate in a "patient" positioning activity. Students may be asked to volunteer to be a "patient" for this activity.	20	0	<b>Jennifer Lam, Gillian Long &amp; Aissa Keulen</b>  Beth Israel – Conference Room