

18TH ANNUAL LONDON IMAGING DISCOVERY DAY (LIDD)
KING'S UNIVERSITY COLLEGE
THURSDAY, JUNE 1, 2023

Overall Learning Objectives:

By the end of this program, participants will be able to:

1. Recognize the research being conducted trainees, residents, and graduate students.
2. Identify opportunities for collaboration between residents, graduate students, technologists, nurses and admin to improve patient outcomes.
3. Appraise and discuss the scientific presentations with respect to methodology and clinical applicability.
4. Identify emerging fields in Medical Imaging and consider their impact on clinical practice.

7:15am - 8:00am	Scientific Presentation Set-up		
7:30 am	REGISTRATION		
8:00 am – 12:00 pm	ORAL SCIENTIFIC PRESENTATIONS – 50 talks (7 mins + 3 min Q & A) (Labatt Hall)		
8:00 am	Neuroradiology 1 (LH100)	Musculoskeletal (LH101)	Body 1 (LH103)
9:00 am	COFFEE BREAK (Lounge) & HANDS ON DEMONSTRATION (LH105) Visualization of Streaming Ultrasound and Fluoroscopy with the Hololens 2. (Terry Peters, Elvis Chen, David Hocking, Jonathan Collier)		
9:30 am	Neuroradiology 2 (LH100)	Artificial Intelligence 1 (LH101)	Body 2 & Cardiothoracic (LH103)
10:30 am	COFFEE BREAK (Lounge) & HANDS ON DEMONSTRATION (LH105) Visualization of Streaming Ultrasound and Fluoroscopy with the Hololens 2. (Terry Peters, Elvis Chen, David Hocking, Jonathan Collier)		
11:00 am	Nuclear Medicine (LH100)	Artificial Intelligence 2 (LH101)	Breast & Vascular Interventional (LH103)
12:00 pm – 1:00 pm	LUNCH & A HANDS ON DEMONSTRATION (highlighted below) (Darryl J. King Student Life Centre – Main Floor Common Area)		
	<ul style="list-style-type: none"> • Visualization of Streaming Ultrasound and Fluoroscopy with the Hololens 2. (Terry Peters, Elvis Chen, David Hocking, Jonathan Collier) 		

1:00 pm – 4:45 pm	KEYNOTE LECTURE SERIES ON IMAGE GUIDED INTERVENTIONS AND THERAPEUTICS (Auditorium)	
1:00 pm	Dr. Narinder Paul & Dr. Aaron Fenster	Welcome & Introduction
1:10 pm	Claire Park	<p>Development and Testing of a Wearable Whole Breast 3D Ultrasound Imaging System with Potential for Image-Guided Intervention</p> <p>By the end of this session, participants will be able to:</p> <p>Objective 1: Define the clinical challenge in increased-risk populations, including those with dense breasts, underserved and vulnerable populations.</p> <p>Objective 2: Describe an alternative wearable whole-breast 3D ultrasound system for point-of-care breast cancer screening</p> <p>Objective 3: Discuss potential avenues for whole-breast 3D ultrasound image-guided needle interventions</p>
1:35 pm	Harry Marshall	<p>Prostate Biopsies: An Easy Target for Improved Patient Care</p> <p>By the end of this session, participants will be able to:</p> <p>Objective 1: Assess the role of targeted prostate biopsy in prostate cancer management</p> <p>Objective 2: Compare different methods of targeted prostate biopsy</p> <p>Objective 3: Identify current local practice and opportunities for programmatic development</p>
2:00 pm	Jonathan Collier & Sachin Pandey	<p>Title: The Evolution of Image Guided Interventions in Neuro Radiology</p> <p>By the end of this session, participants will be able to:</p> <p>Objective 1: Explore the history and fundamentals of neuro interventional radiology</p> <p>Objective 2: Improve understanding of current imaging capabilities for optimal diagnosis and treatment with case studies</p> <p>Objective 3: Gain insight into future innovations and research around NIR</p>
2:25 pm	David Hocking, Elvis Chen & Jonathan Collier	<p>The Power Of Augmented Reality in the IR Suite</p> <p>By the end of this session, participants will be able to:</p> <p>Objective 1: Assess why we need alternative approaches</p> <p>Objective 2: State how LHSC is investing in augmented reality technology</p> <p>Objective 3: Highlighting future potential of AR in IR</p>
2:50 pm	Leandro Leite & Paul Tuchscherer	<p>Minimally Invasive Pulmonary Thromboembolectomy: A Paradigm Shift</p> <p>By the end of this session, participants will be able to:</p> <p>Objective 1: Discuss the treatment options for submassive Pulmonary Embolus</p> <p>Objective 2: Debate the utility of minimally invasive pulmonary thromboembolectomy</p> <p>Objective 3: Advocate for minimally invasive treatment of submassive Pulmonary Embolus</p>
3:15 pm	Aaron Fenster & Derek Cool	<p>3D US-CT/MRI System for Tumour Ablation Guidance</p> <p>By the end of this session, participants will be able to:</p> <p>Objective 1: Assess the advantages of 3D ultrasound for image-guided applications</p> <p>Objective 2: Assess the advantages of the use of robotic approaches in image-guided applications</p> <p>Objective 3: Construct deep-learning tools for image-guided applications</p>
3:40 pm	COFFEE BREAK & HANDS ON DEMOS (Main Floor Common Area)	
4:10 pm	Dr. Katherine Zukotynski & Steve Nelli	<p>MAIN KEYNOTE SPEAKER</p> <p>Molecular Imaging and Theranostics</p> <p>By the end of this session, participants will be able to:</p> <p>Objective 1: Explain principles and history of molecular imaging and theranostics in cancer care.</p>

		<p>Objective 2: Discuss the need for integration of these techniques into regional cancer programs.</p> <p>Objective 3: Identify emerging trends and advancements in molecular imaging and theranostics.</p>
4:45 pm – 5:30 pm	AWARDS PRESENTATIONS (Auditorium)	
5:25 pm	Dr. Narinder Paul & Dr. Aaron Fenster	Closing Remarks
5:30 pm	Evaluation Forms	Completed evaluation forms to be dropped off at the Registration Desk - <i>Thank you</i>

25% of this program is dedicated to participant interaction.

For RCPSC (MOC Section 1)

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University. You may claim a maximum of 6.25 hours (credits are automatically calculated).

This program has received an educational grant from: Canon Medical Systems, GE Healthcare, Philips, Siemens Healthineers