IGTxImNO 2025 Symposium
Program at a Glance

Wednesday, March 5, 2025

Time	Meeting Room 1	Meeting Room 2
08:00 - 09:00	Registration, Poster Setup, Breakfast	
09:00 - 09:15	Opening Remarks	
09:15 - 10:00	Keynote I — Pediatric Imaging – What We Need (and Don't Need) AI for — Brigit Ertl-Wagner, The Hospital for Sick Children	
10:00 - 10:15	Break	
10:15 - 11:15	Oral 1 — Cancer 1	Oral 2 — MRI & Neuroimaging
11:15 - 11:45	Pitch 1 — Cancer	Pitch 2 — MRI & Neuroimaging
11:45 - 12:45	Poster Viewing (Pitch Sessions 1 & 2 presenting)	
12:45 - 13:00	Lunch Pickup	
13:00 - 13:45	Panel Session — Lessons Learned From First-Time Founders and Leaders	
13:45 - 14:00	Lunch Wrap-up	
14:00 - 15:00	Oral 3 — Device, Systems, and Robotic Development	Oral 4 — Deep Learning/Machine Learning Methodology 1
15:00 - 15:30	Pitch 3 — Device, Systems, and Robotic Development	Pitch 4 — Deep Learning/Machine Learning Methodology 1
15:30 - 16:30	Poster Viewing (Pitch Sessions 3 & 4 presenting)	
16:30 - 17:30	Oral 5 — General 1	Oral 6 — Image Guided Intervention and Surgery 1
17:30 - 17:45	Break	
17:45 - 19:00	Reception/Social Event	

Thursday, March 6, 2025

Time	Meeting Room 1	Meeting Room 2
08:00 - 09:00	Registration, Poster Setup, Breakfast	
09:00 - 10:00	Oral 7 — Deep Learning/Machine Learning Methodology 2	Oral 8 — Image Guided Intervention and Surgery 2
10:00 - 10:30	Pitch 5 — Deep Learning/Machine Learning Methodology 2	Pitch 6 — Image Guided Intervention and Surgery
10:30 - 11:30	Poster Viewing (Pitch Sessions 5 & 6 presenting)	
11:30 - 12:30	Oral 9 — Cancer 2	Oral 10 — Cardiac, Lung, and Musculoskeletal Imaging
12:30 - 12:45	Lunch Pickup	
12:45 - 13:30	Panel Session — Career Pathways for Graduates: Academic and Industry Advice on Talent Development	
13:30 - 13:45	Lunch Wrap-up	
13:45 - 14:45	Oral 11 — Optical Imaging & Ultrasound Imaging	Oral 12 — General 2
14:45 - 15:15	Pitch 7 — Optical Imaging & Ultrasound Imaging	Pitch 8 — General
15:15 - 16:15	Poster Viewing (Pitch Sessions 7 & 8 presenting)	
16:15 - 17:00	Keynote II — The Abundant Promise of Ultrasound in Neurosurgery — Amir Manbachi, Johns Hopkins University	
17:00 - 17:30	Closing and Awards	

IGTxImNO Joint Symposium 2025
Detailed Program

Wednesday, March 5, 2025

08:00 - 09:00	**Registration, Poster Setup**	
09:00 - 09:15	**Opening Remarks**	Meeting Rooms 1&2
	Dafna Sussman and Ali Tavallaei, Toronto Metropolitan University	
09:15 - 10:00	**Keynote Session I**	Meeting Rooms 1&2
	Pediatric Imaging – What We Need (and Don't Need) AI for	
	Brigit Ertl-Wagner, The Hospital for Sick Children	
10:00 - 10:15	**Break**	

10:15 - 11:15

Oral 1	**Oral 2**
Cancer 1	**MRI & Neuroimaging**
Meeting Room 1	Meeting Room 2
O1-1: The Role of Flow and Microbubble-Induced Shear Stress in Endothelial Cell Immunobiology	**O2-1: Fetoplacental Blood-Mimicking Phantoms for Optimizing Susceptibility Weighted Imaging**
Elahe Memari, Concordia University	Dylan Young, Toronto Metropolitan University
O1-2: Using Computed Tomography perfusion (CTP) to Assess Changes in the Contrast Distribution Volume in Pancreatic Cancer Patients: a Potential Biomarker for Patient Response to Standard-of-care Therapy	**O2-2: A Pulse Sequence for Single Breath Hold Saturation Transfer Imaging of the Entire Gravid Abdomen**
Jin-Young Bang, Western University	Siddharth Sadanand, Toronto Metropolitan University
O1-3: Advancing Treatment of Skeletal Metastases: Radiation-Induced Photodynamic Therapy (RadioPDT) with Novel Nanoparticles	**O2-3: Laterally Oscillating Trajectory for Undersampling Slices (LOTUS)**
Azin Mirzajavadkhan, University of Toronto	Mayuri Sothynathan, Western University
O1-4: Differences in Radiologist Search Patterns when Assessing mpMRI for Prostate Cancer	**O2-4: The Effect of MRI RF Coil Selection on Spatial Trends in T1 Relaxation**
Ryan Au, Western University	Sandra Alexander, Toronto Metropolitan University

11:15 - 11:45

Pitch 1	**Pitch 2**
Cancer	**MRI & Neuroimaging**
Meeting Room 1	Meeting Room 2
P1-1: Automatic Gleason Grading for Better Prognosis Prediction	**P2-1: Suppression of Lipid Contamination in Whole Brain Slice Magnetic Resonance Spectroscopic Imaging using Two-Dimensional Selective Excitation**
Matthew McNeil, University of Toronto	Jason Rock, Sunnybrook Research Institute
P1-2: LLM-Based Prostate Cancer Grading Through Reasoning Segmentation	**P2-2: Deep-Learning Based Detection of Placenta Previa from Fetal MRI: A Cascaded CNN Approach**
Emma Willis, Queen's University	Nika Momeni, Toronto Metropolitan University
P1-3: Evaluating the Synergistic Effects of Antiangiogenic Therapy and Stereotactic Body Radiation Therapy in Pancreatic Cancer using Multi-Modal Optical Coherence Tomography	**P2-3: Accounting for Fat Contamination in Amine/Amide Concentration Independent Detection (AACID) CEST MRI of the Human Spinal Cord**
Hector Alejandro Contreras-Sanchez, University of Toronto	Victoria Little, Western University
P1-4: Characterization of Osteosarcopenia Quantified With AI-Enabled Musculoskeletal Imaging Biomarkers in Patients Undergoing Spine SBRT	**P2-4: Modelling 13C-Bicarbonate Signal Changes Due to Lactate Oxidation Pathways in Hyperpolarized MRI**
Yessica Castano Sainz, Sunnybrook Research Institute	Dylan Dingwell, University of Toronto
P1-5: Assessing Diffuse Optical Spectroscopy and Magnetic Resonance Imaging for Quantification of Multimodal Gadolinium-Incorporated Porphysomes for Theranostic Guidance of Oral Cancer in Mice	**P2-5: Comparison of Lipid Suppression Techniques for in vivo Whole Brain MR Spectroscopic Imaging**
Theodore Husby, University of Toronto	Kaito Hara-Lee, Queen's University
P1-6: Designing an Endometrial Pathology Slide Classification User Interface for Efficient Diagnostics	**P2-6: Microscopic Fractional Anisotropy of the Hippocampus in Dementia Patients**
Matthew Lam, Toronto Metropolitan University	Ricardo Rios-Carrillo, Western University
P1-7: Evaluating Osteosarcopenia Progression in a Preclinical Model of Prostate Cancer Bone Metastases with Imaging Biomarkers	
Leanna Abraham, University of Toronto	
P1-8: Leveraging Transformers to Improve Dose Prediction in Complex Multi-lesion Lung SABR Plans	
Edward Wang, Western University	
P1-9: Precursor Droplet Extrusion for the Production of Size-Controlled Lipid-Stabilized Drug-Loaded Nanobubbles	
Patrick Dong Min Chang, University of Toronto	
P1-10: Photodynamic Therapy-Based Photochemical Immune Stimulation for the Treatment of Ovarian Cancer in a Xenograft Mouse Model	
Breana Shehetila, University of Toronto	

11:45 - 12:45 — **Poster Viewing – Pitch Sessions 1 & 2 above plus posters below presenting**   Poster Room

P1-11: Automated Detection of Lymph Node Metastasis in Prostate Cancer Using Whole Slide Images	**P2-7: Preliminary PET Imaging Reveals Reduced Synaptic Density in Autistic vs Non-Autistic Youth**
Kangdi Shi, University Health Network	Christin Schifani, Centre for Addiction and Mental Health
P1-12: CollinsOral Epithelial Cell Quantification for Dysplasia Grading Using Histopathology Images	
Kangdi Shi, Mount Sinai Hospital	

Time		
12:45 - 13:00	**Lunch Pickup**	
13:00 - 13:45	**Panel Session**	Meeting Rooms 1&2
	Lessons Learned from First-Time Founders and Leaders	
13:45 - 14:00	**Lunch Wrap-up**	

14:00 - 15:00	**Oral 3**	**Oral 4**
	Device, Systems, and Robotic Development	**Deep Learning/Machine Learning Methodology 1**
	Meeting Room 1	Meeting Room 2

O3-1: Generating and Measuring Flow for Hemodynamic Simulations of Interventional Vascular Procedures
David Ng, Robarts Research Institute

O4-1: Foundation Models for Cancer Tissue Margin Assessment with Mass Spectrometry
Mohammad Farahmand, Queen's University

O3-2: Design and Testing of an MRI Phantom Faraday Cage using Rapid Prototyping Techniques
Alexander Dunn, Toronto Metropolitan University

O4-2: From Text to Insight: Classifying Microcalcifications in Radiology Reports with AI
Zardar Khan, Sunnybrook Research Institute

O3-3: Resection Cavity Tracking Using a Bench-Top Robot and Electromagnetic Tracking

Kian Hashtrudi-Zaad, University of Toronto

O4-3: Automatically Segmenting Curved Catheters in Prostate Brachytherapy Ultrasound Images with a Deep Learning and Feature Extraction Pipeline
Jessica de Kort, The University of Winnipeg & University of Manitoba

O3-4: Accurate Catheter Tracking for Image-Guided Therapy Applications using Fiber-Bragg Grating
Mahdi Tahmasebi, Toronto Metropolitan University

O4-4: Evaluating the Use of Automatic Workflow Recognition for Central Venous Catheterization Training
Catherine Austin, Queen's University

15:00 - 15:30	**Pitch 3**	**Pitch 4**
	Device, Systems, and Robotic Development	**Deep Learning/Machine Learning Methodology 1**
	Meeting Room 1	Meeting Room 2

P3-1: Design and Ergonomic Assessment of Steerable Catheter Handles for the CathPilot System

Sina Keshavarz, Toronto Metropolitan University

P4-1: Comparative Analysis of Deep Learning Approaches for Urethral Segmentation in High-Dose-Rate Prostate Brachytherapy Using Transrectal Ultrasound Images
Nicole Valencia, The University of Winnipeg

P3-2: Validation of 3D Ultrasound Musculoskeletal System

Clara Duquette Evans, Western University

P4-2: Predicting Inspiratory Chest CT Image Viability using Deep Learning
Sara Rezvanjou, Toronto Metropolitan University

P3-3: Multi-Material Hand Fracture Model for Spatial Learning

Trinette Wright, Techna & University Health Network

P4-3: Involvement-Aware Foundation Models for Prostate Cancer Detection in Ultrasound
Mohamed Harmanani, Queen's University

P3-4: A Preclinical SPECT System Using Ultrahigh Energy Resolution CZT Detectors for Alpha and Beta Emitter Radiopharmaceutical Therapy Imaging
Aileen Ouyang, MH3D Inc.

P4-4: Automated CNN-based Segmentation of Carotid Atherosclerotic Plaque and Morphological Characterization of Carotid B-mode Ultrasound Images
Nahid Babazadeh Khameneh, McGill University & Research Institute of McGill University Health Centre

P3-5: Design Optimizations of an Expandable Cable-Driven Parallel Mechanism for Minimally Invasive Cardiovascular Interventions (CathPilot)
Sina Keshavarz, Toronto Metropolitan University

P4-5: Automatic Prostate Segmentation in Micro-Ultrasound Imaging using the Segment Anything Model

Olivia Radcliffe, Queen's University

P3-6: Developing Low-Cost 3D-Printed Prosthetics with a Functional Wrist for Patients Along the Thai-Myanmar Border
Emese Elkind, Queen's University

P4-6: Advancing Kidney Ablation Analysis in 3D CT Images: A Deep Learning Segmentation Framework
Maryam Rastegarpoor, Western University

P3-7: Validating and Iterating the TRU-VU Wrist Positioning Aid and Educational Training to Improve the Standardization of Wrist Radiography
Laura Vancer, Western University

P4-7: Performing Prostate Segmentation Using SAM-Med2D Across Multiple Ultrasound Modalities

Vivian Nguyen, Queen's University

P4-8: Evaluating the Use Cases of 3D and 2D Segmentation in Fetal MRIs
Alejo Costanzo, Toronto Metropolitan University

15:30 - 16:30	**Poster Viewing – Pitch Sessions 3 & 4 above plus posters below presenting**	Poster Room

P3-8: Bridging the Gap with Customizable Above-Elbow Prosthetic Designs to Balance Open-Source Models and Patient-Specific Needs
Emese Elkind, Queen's University

P4-9: Risk Stratification of Early-stage Non-small Cell Lung Cancer using PET-based Radiomics

Christine Santiago, Western University

P3-9: Miniaturized Gamma-Imaging Probe for Lung Cancer Detection
Alysha Prem, Toronto Metropolitan University

P4-10: Automatic Classification of Levator Ani Muscle Avulsion in 3D Transperineal Ultrasound Images
Mihir Gokal, Western University

16:30 - 17:30	**Oral 5**	**Oral 6**
	General 1	**Image Guided Intervention and Surgery 1**
	Meeting Room 1	Meeting Room 2

O5-1: A Sensorless Freehand 3D Ultrasound Solution with a Novel Coupling Pad
Libin Liang, Robarts Research Institute & Western University

O6-1: A Feasibility Study on Enhanced Navigation in Breast-Conserving Surgery through Haptic Feedback
Laura Connolly, Queen's University

O5-2: A Motion Assessment and Image Quality Enhancement Technique using Retrospective Frame Averaging with Low-dose Volumetric 4D-CT for Radiation Therapy Simulation
Timothy Yau, Western University

O6-2: Physical Replication and Validation of Mathematical Mitral Valve Models

Patrick Carnahan, Robarts Research Institute

O5-3: A Dual-Camera Simulation of Markerless, Optical Head Pose Tracking Using Deep Learning for Motion Correction in Magnetic Resonance Imaging
Marina Silic, University of Toronto

O6-3: Non-invasive Ablation of Intra-abdominal Fetal Rabbit Umbilicus using Magnetic Resonance Guided High Intensity Focused Ultrasound Therapy
Ava Danialy, University of Toronto

O5-4: Image Database Creation for Improved Imaging of Mitral Valve Surgery Training Phantoms
Emma Zhang, Western University

O6-4: Radio-Ultrasound-Guided System for Real-Time Intraoperative Localization: A Phantom Study
Sydney Wilson, Western University

17:30 - 17:45	**Break**	Meeting Rooms 1&2
17:45 - 19:00	**Reception/Social Event**	Meeting Rooms 1&2

09:00 - 10:00	**Oral 7** **Deep Learning/Machine Learning Methodology 2** Meeting Room 1	**Oral 8** **Image Guided Intervention and Surgery 2** Meeting Room 2
	O7-1: Micro-CT Anatomical Measurement of the Human Cadaveric Subaxial Cervical Vertebrae: Machine Learning Prediction of the Lamina Length Joseph Umoh, Western University	**O8-1: Feasibility of Three-dimensional Ultrasound for Cervical Cancer Treatment Planning** Tiana Trumpour, Western University
	O7-2: Automated Diaphragm Segmentation using Deep Learning from Chest CT Images Mustansir Verdawala, Toronto Metropolitan University	**O8-2: First Demonstration of Functional Connectivity Mapping using a 1.5T MR-Linac in Glioblastoma** Eaman Almasri, University of Toronto & Sunnybrook Research Institute
	O7-3: A Deep Learning Pipeline for 3D Brain-Wide Mapping of Local Neuronal Ensembles in Tera-Voxel Light Sheet Microscopy Ahmadreza Attarpour, University of Toronto	**O8-3: Improving Success Rate of Navigated Breast-Conserving Surgery By Needle Stabilization** Chris Yeung, Queen's University
	O7-4: Evaluating Deep Learning Models to Classify Early-Stage Esophageal Cancer: A Preliminary Study Marcus Milantoni, Western University	**O8-4: Assessment of a Mini Stereotactic Guidance System for Percutaneous Focal Liver Tumour Ablation** Joeana Cambranis-Romero, Western University
10:00 - 10:30	**Pitch 5** **Deep Learning/Machine Learning Methodology 2** Meeting Room 1	**Pitch 6** **Image Guided Intervention and Surgery** Meeting Room 2
	P5-1: Evaluating and Comparing the Surgical Tool Detection Performance of YOLO Object Detection Models in Simulated Central Venous Catheterization Aden Wong, Queen's University	**P6-1: Validation of an Electroanatomic Map Conversion Tool for Registration to Radiation Treatment Planning Images** Sarah Konermann, McGill University
	P5-2: Machine Learning-Based Prediction of Vertebral Fracture Risk in SBRT Patients using Quantitative Imaging Data Dawit Gulta, Sunnybrook Research Institute	**P6-2: Thrombectomy Assist: Live Thrombus Detection** Lola Assad, Queen's University
	P5-3: Predicting the Phase of Cataract Surgery with Deep Learning Joshua Bierbrier, Queen's University	**P6-3: Development of A Novel System For Micro-Ultrasound-Guided Focal Low-Dose-Rate Prostate Brachytherapy** David Contella, Western University
	P5-4: Automated MRI-Based Segmentation of Multiple Fetal Brain Structures Yasmin Modarai, Toronto Metropolitan University	**P6-4: 3D Calyx Segmentation for the Volumetric Detection of Hydronephrosis** Marina Music, Queen's University
	P5-5: Leveraging Surgical Workflow Recognition for Skill Assessment in Simulated Cataract Surgery Bining Long, Queen's University	**P6-5: Predicting Patient-Specific Instantaneous Spatial Temperature Maps for MR-Guided Laser Interstitial Thermal Therapy for Epilepsy using a Physics-Informed Neural Network** Saba Sadatamin, University of Toronto
	P5-6: Leveraging Convolutional Embeddings for AFib Detection in the Intensive Care Unit Setting Nooshin Maghsoodi, Queen's University	**P6-6: Assessing the Impact of a Magnetic Field Generator on Fluoroscopic Image Quality** Mateen Mirzaei, Western University
	P5-7: Self-Supervised Parallel Transmit RF Pulse Design for 2D Spatially Selective Excitation Yuliang Xiao, University of Toronto & Sunnybrook Research Institute	**P6-7: Designing a 6-Axis Testbed for Accessible Image-Guided Robotics Research** Coleman Farvolden, Queen's University
	P5-8: Ultrasound Probe Segmentation for RGB-D Object Tracking in Central Line Insertion Réna Hajjar, Queen's University	
10:30 - 11:30	**Poster Viewing – Pitch Sessions 5 & 6 above plus posters below presenting**	Poster Room
		P6-8: Evaluating Sensitivity Differences of Healthy Spinal Cord and Intramedullary Spinal Cord F98 Glioma in Response to Focused Ultrasound and Microbubbles Mahsa Mokhlesabadi, Sunnybrook Research Institute
		P6-9: The Impact of Propagation Pathways on Targeting Accuracy in Transspinal Ultrasound Focusing David Martin, Sunnybrook Research Institute
11:30 - 12:30	**Oral 9** **Cancer 2** Meeting Room 1	**Oral 10** **Cardiac, Lung, and Musculoskeletal Imaging** Meeting Room 2
	O9-1: Regional Predictors of Progression after Stereotactic Radiosurgery for Brain Metastases Robert Policelli, Western University	**O10-1: Ultrasound 3D Reconstruction of the Lower Spine for Facet Joint Injection** Gaurav Ranjit, Queen's University
	O9-2: Development of Cisplatin Prodrug-Loaded Microbubbles for Ultrasound-Aided Targeted Cancer Therapy Sean McGrath, University of Toronto	**O10-2: Enhanced Cardiac Imaging using Fixed-Filter Spectral Imaging with Anti-Correlated Noise Correction** Lisa Garland, Robarts Research Institute
	O9-3: Adaptive Resource-Efficient Federated Learning for Prostate MRI using PCA and Early Stopping Negin Piran Nanekaran, University of Guelph	**O10-3: Development of a Tissue-Equivalent Lung Phantom Compatible for Proton Magnetic Resonance Imaging (MRI) for Evaluation of Airway Size** Razieh Enjilela, Toronto Metropolitan University
	O9-4: A Mechatronic Needle Guidance System for Prostate-Specific Positron Emission Tomography and 3D Transrectal Ultrasound-Guided Trans-perineal Prostate Biopsy Sule Karagulleoglu Kunduraci, Western University	**O10-4: Examining the Bilateral Loading Relationship in Thumb Osteoarthritis** Jennifer Villeneuve, Western University
12:30 - 12:45	**Lunch Pickup**	
12:45 - 13:30	**Panel Session** **Career Pathways for Graduates: Academic and Industry Advice on Talent Development**	Meeting Rooms 1&2
13:30 - 13:45	**Lunch Wrap-up**	

13:45 - 14:45	**Oral 11** **Optical Imaging & Ultrasound Imaging** Meeting Room 1	**Oral 12** **General 2** Meeting Room 2

13:45 - 14:45

Oral 11 **Optical Imaging & Ultrasound Imaging** Meeting Room 1	**Oral 12** **General 2** Meeting Room 2
O11-1: Deep Learning-Enabled 3D Fluorescence Imaging for Surgical Guidance: Assessing Surgical Margins Hikaru Kurosawa, Princess Margaret Cancer Centre	**O12-1: Evaluating the Association Between Primary Motor Cortex Metabolite Levels and Dexterity Following Spinal Surgery for Degenerative Cervical Myelopathy** Scott Wilson, Robarts Research Institute
O11-2: Three-Dimensional Ultrasound Synovial Blood Flow Volume Assessment in Thumb Osteoarthritis Patients Megan Hutter, Western University	**O12-2: Accelerating Monte Carlo Light Propagation Models for Deep Learning-Enabled Fluorescence-Guided Surgery** Matthew Siracusa, Princess Margaret Cancer Centre
O11-3: In Vivo Hyperspectral Ultra-Broadband Sub-MHz Photoacoustic Imaging: Volumetric Optical Contrast to 4 cm Deep and Beyond Ivan Kosik, Princess Margaret Cancer Centre	**O12-3: Role of Imaging Contrasts in the Volumetric Prediction of MT-NOE Attenuated Tumour Sub-Region** Céline Dubroy-McArdle, Toronto Metropolitan University
O11-4: Deep Learning Architecture Optimization for 3D Optical Imaging in Early-Stage Oral Cancer Models Rooaa Shanshal, Princess Margaret Cancer Centre & University Health Network	**O12-4: Light-Based Pressure Monitoring Guidance in Neurosurgery Retraction: Development and Validation of an Optical Sensing Algorithm** Lee Sikstrom, Robarts Research Institute & Western University

14:45 - 15:15

Pitch 7 **Optical Imaging & Ultrasound Imaging** Meeting Room 1	**Pitch 8** **General** Meeting Room 2
P7-1: Standardizing B-Line Annotation for Reproducible Lung Ultrasound Metrics Maha Kesibi, Queen's University	**P8-1: A Language-Audio Foundation Model for Characterization of Cancerous Tissue in Mass Spectrometry Images** Alon Gabriel, Queen's University
P7-2: Automated Liver Segmentation using Attention Models in Point-of-Care Ultrasound Images Zachary Szentimrey, University of Guelph	**P8-2: Histology Hide-and-seek: Visually Navigating Latent Space Clustering for Pathology Exploration** Phoenix Wilkie, University of Toronto
P7-3: Influence of Laser Coherence Length in Polarization Speckle-Based Tumour Detection Daniel Louie, University Health Network	**P8-3: A Comparison of Uncertainty Techniques on Basal Cell Carcinoma Mass Spectrometry Data** Tyler Elliott, Queen's University
P7-4: Quantifying Tendon Excursion in the Shoulder using a 3D-Ultrasound Musculoskeletal System Marie Le, Western University	**P8-4: 3D ABUS System with Breast Needle Biopsy Capability and Integrated MRI-guidance Lesion Localization** Amal Aziz, Western University
P7-5: Self-Supervised Learning for Retinal Disease Classification: Reducing Annotation Dependency with Transformation-Based Pretext Learning with Limited Labels Pramit Dutta, University of Guelph	**P8-5: Large Language Models are One-Shot Radiology Report Summarizers** Mahmoud Idlbi, Queen's University
P7-6: Polyvinyl Alcohol Cryogels (PVA-C): Fabrication Method for Homogeneous Multimodal Phantoms Olivia Qi, Western University	**P8-6: Accelerated 4D Flow with Respiratory Compensation and Cardiac View Sharing in Pediatric Congenital Heart Disease** Fatemeh Rastegar Jooybari, University of Toronto
P7-7: Spine Ultrasound Segmentation Trained on Registered CT As Ground Truth Junhui Zong, Queen's University	**P8-7: Forecasting Movement Patterns in Stroke Patients Utilizing Time Series Foundation Models** Dharsan Ravindran, Queen's University
P7-8: Ultrasound Based Evaluation of Stress Urinary Incontinence Pessaries on Bladder Neck, Bladder Descent, and Retrovesical Angle Helena Kunic, University of Guelph	
P7-9: Polarization Speckle Analysis of Volumetric Scattering from Controlled Turbid Phantoms and Mouse Skin Tissues Carla Kulcsar, University of Toronto	

15:15 - 16:15 | **Poster Viewing – Pitch Sessions 7 & 8 above plus posters below presenting** | Poster Room

P7-10: Impact of Ambient Light on Spatial Frequency Domain Imaging for Surgical Guidance
Jack Wunder, Princess Margaret Cancer Centre

P7-11: Tri-Modal Mosquito Bite Needle Endoscopy (MBNE) for Breast Cancer Diagnostics
Alexandre Douplik, Toronto Metropolitan University

16:15 - 17:00 | **Keynote Session II** | Meeting Rooms 1&2

The Abundant Promise of Ultrasound in Neurosurgery
Amir Manbachi, Johns Hopkins University

17:00 - 17:30 | **Closing and Awards** | Meeting Rooms 1&2

Dafna Sussman and Ali Tavallaei, Toronto Metropolitan University