

## IGTxImNO 2025 Symposium Program at a Glance

Wednesday, March 5, 2025	
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 1	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 - 18:15 Workshop	
18:15 - 19:30 Reception/Social Event	

Thursday, March 6, 2025	
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

## Tentative Program

Wednesday, March 5, 2025

08:00 - 09:00	<b>Registration, Poster Setup</b>	
09:00 - 09:15	<b>Opening Remarks</b>	Meeting Rooms 1&2
	Dafna Sussman and Ali Tavallaee, Toronto Metropolitan University	
09:15 - 10:00	<b>Keynote Session I</b>	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	<b>Break</b>	
10:15 - 11:15	<b>Oral 1</b> <b>Cancer 1</b> <b>Meeting Room 1</b>	<b>Oral 2</b> <b>MRI &amp; Neuroimaging</b> <b>Meeting Room 2</b>
	O1-1: The role of flow and microbubble-induced shear stress in endothelial cell immunobiology Elahe Memari, Concordia University	O2-1: Fetoplacental Blood-Mimicking Phantoms for Optimizing Susceptibility Weighted Imaging 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 Jin-Young Bang, Western University	O2-2: A pulse sequence for single breath hold saturation transfer imaging of the entire gravid abdomen Siddharth Sadanand, Toronto Metropolitan University
	O1-3: Advancing Treatment of Skeletal Metastases: Radiation-Induced Photodynamic Therapy (RadioPDT) with Novel Nanoparticles Azin Mirzajavadkhan, University of Toronto	O2-3: Laterally Oscillating Trajectory for Undersampling Slices (LOTUS) Mayuri Sothynathan, Western University
	O1-4: Differences in Radiologist Search Patterns when Assessing mpMRI for Prostate Cancer Ryan Au, Western University	O2-4: The Effect of MRI RF Coil Selection on Spatial Trends in T1 Relaxation Sandra Alexander, Toronto Metropolitan University
11:15 - 11:45	<b>Pitch 1</b> <b>Cancer 1</b> <b>Meeting Room 1</b>	<b>Pitch 2</b> <b>MRI &amp; Neuroimaging</b> <b>Meeting Room 2</b>
	P1-1: Automatic Gleason Grading for Better Prognosis Prediction Matthew McNeil, University of Toronto	P2-1: Significant Acceleration of Pulmonary 129Xe MRI Made Possible with the Sectoral Pulse Sequence Samuel Perron, Western University
	P1-2: LLM-Based Prostate Cancer Grading Through Reasoning Segmentation of Histopathology and MRI Emma Willis, Queen's University	P2-2: Suppression of lipid contamination in whole brain slice magnetic resonance spectroscopic imaging using two-dimensional selective excitation Jason Rock, Sunnybrook Research Institute
	P1-3: Evaluating the synergistic effects of antiangiogenic therapy and stereotactic body radiation therapy in pancreatic cancer using multi-modal optical coherence tomography Hector Alejandro Contreras Sanchez, University of Toronto	P2-3: Deep-Learning Based Detection of Placenta Previa from Fetal MRI: A Cascaded CNN Approach Nika Momeni, Toronto Metropolitan University
	P1-4: Characterization of osteosarcopenia quantified with AI-enabled musculoskeletal imaging biomarkers in Patients Undergoing Spine SBRT Yessica Castano Sainz, Sunnybrook Research Institute	P2-4: Accounting for Fat Contamination in Amine/Amide Concentration Independent Detection (AACID) CEST MRI of the Human Spinal Cord Victoria Little, Western University
	P1-5: Assessing diffuse optical spectroscopy and magnetic resonance imaging for quantification of multimodal gadolinium-incorporated porphyrinsomes for theranostic guidance of oral cancer in mice Theodore Husby, University of Toronto	P2-5: Modelling 13C-bicarbonate signal changes due to lactate oxidation pathways in hyperpolarized MRI Dylan Dingwell, University of Toronto
	P1-6: Designing an Endometrial Pathology Slide Classification User Interface for Efficient Diagnostics Matthew Lam, Toronto Metropolitan University	P2-6: Comparison of Lipid Suppression Techniques for in vivo Whole Brain MR Spectroscopic Imaging Kaito Hara-Lee, Queen's University
	P1-7: Evaluating Osteosarcopenia Progression in a Preclinical Model of Prostate Cancer Bone Metastases with Imaging Biomarkers Leanna Abraham, University of Toronto	P2-7: Microscopic fractional anisotropy of the hippocampus in dementia patients. Ricardo Rios-Carrillo, Western University
	P1-8: Leveraging Transformers to Improve Dose Prediction in Complex Multi-lesion Lung SABR Plans Edward Wang, Western University	P2-8: Design and Fabrication of an Anthropomorphic Brain Phantom for MRI at 0.5T Field Strength Katrina Zaraska, University Health Network
	P1-9: Precursor droplet extrusion for the production of size-controlled lipid-stabilized drug-loaded nanobubbles Patrick Dong Min Chang, University of Toronto	
11:45 - 12:45	<b>Poster Viewing (Pitch Sessions 1 &amp; 2 presenting)</b>	
		Poster Room

12:45 - 13:00	<b>Lunch Pickup</b>	
13:00 - 13:45	<b>Panel Session</b> <b>Lessons Learned From First-Time Founders and Leaders</b> Panelists: Carla Du Toit, Novasonix Ananth Ravi, Stryker Tali Rosman, Toronto Metropolitan University Nardin Samuel, University of Toronto	Meeting Rooms 1&2
13:45 - 14:00	<b>Lunch Wrap-up</b>	
14:00 - 15:00	<b>Oral 3</b> <b>Device, Systems, and Robotic Development</b> <b>Meeting Room 1</b> <hr/> O3-1: Generating and measuring flow for hemodynamic simulations of interventional vascular procedures David Ng, Robarts Research Institute <hr/> O3-2: Design and Testing of an MRI Phantom Faraday Cage Using Rapid Prototyping Techniques Alexander Dunn, Toronto Metropolitan University <hr/> O3-3: Resection cavity tracking using a bench-top robot and electromagnetic tracking Kian Hashtrudi-Zaad, University of Toronto <hr/> O3-4: Accurate Catheter Tracking for Image-Guided Therapy Applications using Fiber-Bragg Grating Mahdi Tahmasebi, Toronto Metropolitan University	<b>Oral 4</b> <b>Deep Learning/Machine Learning Methodology 1</b> <b>Meeting Room 2</b> <hr/> O4-1: Foundation Models for Cancer Tissue Margin Assessment with Mass Spectrometry Mohammad Farahmand, Queen's University <hr/> O4-2: From Text to Insight: Classifying Microcalcifications in Radiology Reports with AI Zardar Khan, Sunnybrook Research Institute <hr/> 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 <hr/> O4-4: Data -Efficient Lung Segmentation Using Foundational Models: A Comparative Study of SAM and CNNs for Hyperpolarized Gas MRI Ramtin Babaeipour, Western University
15:00 - 15:30	<b>Pitch 3</b> <b>Device, Systems, and Robotic Development</b> <b>Meeting Room 1</b> <hr/> P3-1: Design and Ergonomic Assessment of Steerable Catheter Handles for the CathPilot System Sina Keshavarz, Toronto Metropolitan University <hr/> P3-2: Validation of 3D Ultrasound Musculoskeletal System Clara Duquette Evans, Western University <hr/> P3-3: Multi-material hand fracture model for spatial learning Trinette Wright, University Health Network <hr/> P3-4: A Preclinical SPECT System Using Ultrahigh Energy Resolution CZT Detectors for Alpha and Beta Emitter Radiopharmaceutical Therapy Imaging Zhonghua Ouyang, MH3D Inc <hr/> P3-5: Design Optimizations of an Expandable Cable-Driven Parallel Mechanism for Minimally Invasive Cardiovascular Interventions (CathPilot) Sina Keshavarz, Toronto Metropolitan University <hr/> P3-6: Developing low-cost 3D-printed prosthetics with a functional wrist for patients along the Thai-Myanmar border Emese Elkind, Queen's University <hr/> P3-7: Quantifying tumor microvasculature with intravoxel incoherent motion MRI and optical coherence tomography angiography William Zabel, University Health Network <hr/> P3-8: Validating and Iterating the TRU-VU Wrist Positioning Aid and Educational Training To Improve the Standardization of Wrist Radiography Laura Vancer, Western University	<b>Pitch 4</b> <b>Deep Learning/Machine Learning Methodology 1</b> <b>Meeting Room 2</b> <hr/> P4-1: Evaluating the use of automatic workflow recognition for central venous catheterization training Catherine Austin, Queen's University <hr/> P4-2: Predicting Inspiratory Chest CT Image Viability using Deep Learning Sara Rezvanjou, Toronto Metropolitan University <hr/> P4-3: Involvement-Aware Foundation Models for Prostate Cancer Detection in Ultrasound Mohamed Harmanani, Queen's University <hr/> P4-4: Automated CNN-based Segmentation of Carotid Atherosclerotic Plaque and Morphological Characterization of Carotid B-mode Ultrasound Images Nahid Babazadeh Khameneh, McGill University <hr/> P4-5: Automatic prostate segmentation in micro-ultrasound imaging using the Segment Anything Model Olivia Radcliffe, Queen's University <hr/> P4-6: Advancing Kidney Ablation Analysis in 3D CT Imagings: A Deep Learning Segmentation Framework Maryam Rastegarpour, Robarts Research Institute <hr/> P4-7: Performing Prostate Segmentation Using SAM-Med2D Across Multiple Ultrasound Modalities Vivian Nguyen, Queen's University <hr/> P4-8: Evaluating the use cases of 3D and 2D segmentation in fetal MRIs Alejo Costanzo, Toronto Metropolitan University <hr/> P4-9: Comparative analysis of deep learning approaches for urethral segmentation in high-dose-rate prostate brachytherapy using transrectal Nicole Valencia, The University of Winnipeg
15:30 - 16:30	<b>Poster Viewing (Pitch Sessions 3 &amp; 4 presenting)</b>	
		Poster Room

16:30 - 17:30

**Oral 5**  
**General 1**  
**Meeting Room 1**

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O5-1: A Sensorless Freehand 3D Ultrasound Solution with a Novel Coupling Pad

Libin Liang, Robarts Research Institute

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O5-2: A motion assessment and image quality enhancement technique using retrospective frame averaging with low-dose volumetric 4D-CT for radiation

Timothy Yau, Western University

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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 & Sunnybrook Research Institute

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O5-4: Image Database Creation for Improved Imaging of Mitral Valve Surgery Training Phantoms

Emma Zhang, Western University

**Oral 6**  
**Image Guided Intervention and Surgery 1**  
**Meeting Room 2**

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O6-1: A feasibility study on enhanced navigation in breast-conserving surgery through haptic feedback

Laura Connolly, Queen's University

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O6-2: Physical replication and validation of mathematical mitral valve models

Patrick Carnahan, Robarts Research Institute

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O6-3: Non-invasive Ablation of Intra-abdominal Fetal Rabbit Umbilicus Using Magnetic Resonance

Ava Danialy, The Hospital for Sick Children

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O6-4: Radio-Ultrasound-Guided System for Real-Time Intraoperative Localization: A Phantom Study

Sydney Wilson, Western University

17:30 - 18:15

**Workshop**

**Meeting Rooms 1&2**

18:15 - 19:30

**Reception/Social Event**

**Meeting Rooms 1&2**

09:00 - 10:00

**Oral 7**  
**Deep Learning/Machine Learning Methodology 2**  
**Meeting Room 1**

**O7-1: Micro-CT Anatomical Measurement of the Human Cadaveric Subaxial Cervical Vertebrae: Machine Learning Prediction of the Lamina Length**  
 Joseph Umoh, Robarts Research Institute

**O7-2: Automated Diaphragm Segmentation using Deep Learning from Chest CT Images**  
 Mustansir Verdawala, Toronto Metropolitan University

**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

**O7-4: Evaluating Deep Learning Models to Classify Early-Stage Esophageal Cancer: A Preliminary Study**  
 Marcus Milantoni, Western University

**Oral 8**  
**Image Guided Intervention and Surgery 2**  
**Meeting Room 2**

**O8-1: Towards three-dimensional ultrasound for cervical cancer treatment planning**  
 Tiana Trumpour, Western University

**O8-2: First demonstration of functional connectivity mapping using a 1.5T MR-Linac in glioblastoma**  
 Eaman Almasri, University of Toronto

**O8-3: Improving success rate of navigated breast-conserving surgery by needle stabilization**  
 Chris Yeung, Queen's University

**O8-4: Assessment of a mini stereotactic guidance system for percutaneous focal liver tumour ablation**  
 Joana Cambranis Romero, Western University

10:00 - 10:30

**Pitch 5**  
**Deep Learning/Machine Learning Methodology 2**  
**Meeting Room 1**

**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

**P5-2: Machine Learning-Based Prediction of Vertebral Fracture Risk in SBRT Patients Using Quantitative Imaging Data**  
 Dawit Gulta, Sunnybrook Research Institute

**P5-3: Predicting the Phase of Cataract Surgery with Deep Learning**  
 Joshua Bierbrier, Queen's University

**P5-4: Automated MRI-Based Segmentation of Multiple Fetal Brain Structures**  
 Yasmin Modarai, Toronto Metropolitan University

**P5-5: Leveraging Surgical Workflow Recognition for Skill Assessment in Simulated Cataract Surgery**  
 Bining Long, Queen's University

**P5-6: Deep Learning-based Automatic Semantic Segmentation of Kidney and Tumor Regions in Contrast-Enhanced Abdominal CT scans**  
 Puja Saha, University of Guelph

**P5-7: Leveraging Convolutional Embeddings for AFib Detection in the Intensive Care Unit Setting**  
 Nooshin Maghsoodi, Queen's University

**P5-8: Self-Supervised Parallel Transmit RF Pulse Design for 2D Spatially Selective Excitation**  
 Yuliang Xiao, University of Toronto & Sunnybrook Research Institute

**P5-9: Ultrasound segmentation for RGB-D object tracking in central line insertion**  
 Rena Hajjar, Queen's University

**Pitch 6**  
**Image Guided Intervention and Surgery**  
**Meeting Room 2**

**P6-1: Validation of an electroanatomic map conversion tool for registration to radiation treatment planning images**  
 Sarah Konermann, McGill University

**P6-2: Development of a novel system for micro-ultrasound-guided focal low-dose-rate prostate brachytherapy.**  
 David Contella, Western University

**P6-3: Thrombectomy Assist: Live Thrombus Detection**  
 Lola Assad, Queen's University

**P6-4: Photodynamic Therapy-Based Photochemical Immune Stimulation for the Treatment of Ovarian Cancer in a Xenograft Mouse Model**  
 Breana Shehetila, University Health Network

**P6-5: Towards the development of an ultrasound-based deep learning pipeline for automatic segmentation of organs-at-risk in gynecologic brachytherapy**  
 Marusia Shevchuk, University of British Columbia

**P6-6: 3D Calyx Segmentation for the Volumetric Detection of Hydronephrosis**  
 Marina Music, Queen's University

**P6-7: Predicting patient-specific instantaneous spatial temperature maps for MR-guided laser interstitial thermal therapy for epilepsy using a physics-informed Saba Sadatamin, University of Toronto**

**P6-8: Assessing the Impact of a Magnetic Field Generator on Fluoroscopic Image Quality**  
 Mateen Mirzaei, Western University

**P6-9: Designing a 6-Axis Testbed for Accessible Image-Guided Robotics Research**  
 Coleman Farvolden, Queen's University

10:30 - 11:30

**Poster Viewing (Pitch Sessions 5 & 6 presenting)**

**Poster Room**

11:30 - 12:30

**Oral 9**  
**Cancer 2**  
**Meeting Room 1**

**O9-1: Regional Predictors of Progression after Stereotactic Radiosurgery for Brain Metastases**  
 Robert Policelli, Western University

**O9-2: Development of cisplatin prodrug-loaded microbubbles for ultrasound-aided targeted cancer therapy**  
 Sean McGrath, University of Toronto

**O9-3: Adaptive Resource-Efficient Federated Learning for Prostate MRI Using PCA and Early Stopping**  
 Negin Piran Nanekaran, University of Guelph

**O9-4: A Mechatronic Needle Guidance System for Prostate-Specific Positron Emission Tomography and 3D Transrectal Ultrasound-Guided Trans-perineal**  
 Sule Karagulleoglu Kunduraci, Western University

**Oral 10**  
**Cardiac, Lung, and Musculoskeletal Imaging**  
**Meeting Room 2**

**O10-1: Ultrasound 3D reconstruction of the lower spine for facet joint injection**  
 Gaurav Ranjit, Queens University

**O10-2: Enhanced Cardiac Imaging Using Fixed-Filter Spectral Imaging with Anti-Correlated Noise Correction**  
 Lisa Garland, Robarts Research Institute

**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

**O10-4: Examining the Bilateral Loading Relationship in Thumb Osteoarthritis**  
 Jennifer Villeneuve, Western University

12:30 - 12:45	<b>Lunch Pickup</b>		
12:45 - 13:30	<b>Panel Session</b>		
	<b>Career Pathways for Graduates: Academic and Industry Advice on Talent</b>		Meeting Rooms 1&2
	Panelists: Xiaoxiao Li, University of British Columbia Terry Peters, Robarts Research Institute Alla Reznik, Radialis and Lakehead University Cari Whyne, Sunnybrook Health Sciences Centre Graham A. Wright, Sunnybrook Research Institute		
13:30 - 13:45	<b>Lunch Wrap-up</b>		
13:45 - 14:45	<b>Oral 11</b> <b>Optical Imaging &amp; Ultrasound Imaging</b> Meeting Room 1	<b>Oral 12</b> <b>General 2</b> Meeting Room 2	
	<b>O11-1: Deep Learning-Enabled 3D Fluorescence Imaging for Surgical Guidance: Assessing Surgical Margins</b> Hikaru Kurosawa, Princess Margaret Cancer Centre	<b>O12-1: Evaluating the association between primary motor cortex metabolite levels and dexterity following spinal surgery for degenerative cervical</b> Scott Wilson, Robarts Research Institute	
	<b>O11-2: Three-Dimensional Ultrasound Synovial Blood Flow Volume Assessment in Thumb Osteoarthritis Patients</b> Megan Hutter, Western University	<b>O12-2: Accelerating Monte Carlo Light Propagation Models for Deep Learning-Enabled Fluorescence-Guided Surgery</b> Matthew Siracusa, Princess Margaret Cancer Centre	
	<b>O11-3: In vivo hyperspectral ultra-broadband sub-MHz photoacoustic imaging: volumetric optical contrast to 4 cm deep and beyond</b> Ivan Kosik, University Health Network	<b>O12-3: Role of Imaging Contrasts in the Volumetric Prediction of MT-NOE Attenuated Tumour Sub- Region</b> Céline Dubroy-McArdle, Toronto Metropolitan University	
	<b>O11-4: Deep Learning Architecture Optimization for 3D Optical Imaging in Early-Stage Oral Cancer Models</b> Rooaa Shanshal, Princess Margaret Cancer Centre	<b>O12-4: Light-Based Pressure Monitoring Guidance in Neurosurgery Retraction: Development and Validation of an Optical Sensing Algorithm</b> Lee Sikstrom, Western University	
14:45 - 15:15	<b>Pitch 7</b> <b>Optical Imaging &amp; Ultrasound Imaging</b> Meeting Room 1	<b>Pitch 8</b> <b>General</b> Meeting Room 2	
	<b>P7-1: Standardizing B-line annotation for reproducible lung ultrasound metrics</b> Maha Kesibi, Queen's University	<b>P8-1: A Language-Audio Foundation Model for Characterization of Cancerous Tissue in Mass Spectrometry Images</b> Alon Gabriel, Queen's University	
	<b>P7-2: Automated Liver Segmentation using Attention Models in Point-of-Care Ultrasound Images</b> Zachary Szentimrey, University of Guelph	<b>P8-2: Histology hide-and-seek: visually navigating latent space clustering for pathology exploration</b> Phoenix Wilkie, University of Toronto	
	<b>P7-3: Influence of laser coherence length in polarization speckle-based tumour detection</b> Daniel Louie, University Health Network	<b>P8-3: A Comparison of Uncertainty Techniques on Basal Cell Carcinoma Mass Spectrometry Data</b> Tyler Elliott, Queen's University	
	<b>P7-4: Quantifying Tendon Excursion in the Shoulder using a 3D-Ultrasound Musculoskeletal System</b> Marie Le, Western University	<b>P8-4: 3D ABUS system with breast needle biopsy capability and integrated MRI-guidance lesion localization</b> Amal Aziz, Western University	
	<b>P7-5: Self-Supervised Learning for Retinal Disease Classification: Reducing Annotation Dependency with Transformation-Based Pretext Learning with</b> Pramit Dutta, University of Guelph	<b>P8-5: Large Language Models are One-Shot Radiology Report Summarizers</b> Mahmoud Idlbi, Queen's University	
	<b>P7-6: Polyvinyl Alcohol Cryogels (PVA-C): Fabrication Method for Homogeneous Multimodal Phantoms</b> Olivia Qi, Western University	<b>P8-6: Accelerated 4D Flow with Respiratory Compensation and Cardiac View Sharing in Pediatric Congenital Heart Disease</b> Fatemeh Rastegar Jooybari, University of Toronto	
	<b>P7-7: Spine ultrasound segmentation trained on registered CT as ground truth</b> Junhui Zong, Queen's University	<b>P8-7: Forecasting Movement Patterns in Stroke Patients Utilizing Time Series Foundation Models</b> Dharsan Ravindran, Queen's University	
	<b>P7-8: Ultrasound Based Evaluation of Stress Urinary Incontinence Pessaries on Bladder Neck, Bladder Descent, and Retrovesical Angle</b> Helena Kunic, University of Guelph	<b>P8-8: A Quantum-Inspired Framework for Bias Assessment in Brain Imaging Diagnostics Using Interference Across Cognitive Dimensions</b> Omid Shokrollahi, Toronto Metropolitan University	
	<b>P7-9: Polarization speckle analysis of volumetric scattering from controlled turbid phantoms and mouse skin tissues</b> Carla Kulcsar, University of Toronto		
15:15 - 16:15	<b>Poster Viewing (Pitch Sessions 7 &amp; 8 presenting)</b>		Poster Room
16:15 - 17:00	<b>Keynote Session II</b> <b>The Abundant Promise of Ultrasound in Neurosurgery</b> Amir Manbachi, Johns Hopkins University		Meeting Rooms 1&2
17:00 - 17:30	<b>Closing and Awards</b> Dafna Sussman and Ali Tavallaee, Toronto Metropolitan University		Meeting Rooms 1&2