



## CELEBRATE RESEARCH WEEK 2024

### The official launch of the Osler Research Institute for Health Innovation

Celebrate Research Week (CRW) is a cornerstone event for the Osler Research Institute for Health Innovation (ORIHI), marking a pivotal moment for the formal launch of the institute. This week-long celebration provides an opportunity to showcase and advance research and innovation in our region.

Throughout CRW we will emphasize excellence in innovation, recognize local achievements in research and welcome the community to engage with research in innovative ways.

Join us at the banner drops, hear the official proclamation by the City of Brampton, and attend various events and talks hosted by our researchers, community, and clinical and academic partners.

Each day will focus on different aspects of research and innovation. Please join us to celebrate!

All events are free and open to everyone.

**CHECK THE PROGRAM AT THIS LINK UPDATES**

# Celebration Day

18 NOVEMBER

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BRAMPTON CIVIC HOSPITAL ATRIUM

**10:00 a.m. - 11:30 a.m. Inauguration of ORIHI**

**Location:** Brampton Civic Hospital Atrium

- Opening - Dakota Recollet, Indigenous Primary Health Care Council
- Proclamation of Celebrate Research Week - Mayor Patrick Brown
- Banner drop and inauguration ceremony with Tiziana Rivera, EVP Quality, Research and Chief Nursing Executive and Dr. Frank Martino, CEO, William Osler Health System.



**Keynote address: "Cutting-Edge Research in Cancer Care" by Dr. Parneet Cheema.** Dr. Parneet Cheema, Medical Director of Cancer Care and Head of Cancer Research at Osler, has created pioneering initiatives and a paradigm shift in the way cancer is treated at Osler.

**11:30 a.m. -12:30 p.m. Science-Art Exhibition Opening: Why Science Needs Art?**

**Location:** Brampton Civic Hospital Atrium

Join us for the opening of the ORIHI unique science-art show featuring Austrian-based artist and researcher Daniela Brill-Estrada, with the work, *Our Celestial Bodies*, to be showcased alongside local artists. The exhibition explores themes of research, community health, and scientific discovery, bridging complex theories and everyday understanding.



The exhibition will be on display in the Brampton Civic Hospital Atrium throughout Celebrate Research Week. Daniela's participation in the show was supported by the Austrian Cultural Forum.

Please visit this QR code for the full ORIHI Science-Art Program.

# Celebration Day

18 NOVEMBER

12:30 p.m. - 1:30 p.m. - Brampton Civic Hospital Auditorium

- Research open house and student networking

1:30 p.m. - 2:30 p.m. - "Stepping Up for health and wellness."

**Location:** Brampton Civic Hospital Atrium



**Speaker:** **Michael O'Leary**, PhD, Executive Dean, FAHCS, Institutional Lead, Integrated Health Strategy, Faculty of Applied Health and Community Studies, Sheridan College. Michael O'Leary is a seasoned educator in Ontario's post-secondary system, currently serving as Dean of the Faculty of Applied Health and Community Studies at Sheridan College since 2017. He is also the Institutional Lead for Integrated Health Strategy, focusing on student engagement and strategic planning. Dr. O'Leary specializes in muscle adaptation and has published several peer-reviewed articles. Past leadership roles include Humber College and the University of Guelph-Humber

2:30 p.m. – 3:30 p.m. - "Why science needs art?" Artist talk with Dr. Roberta Buiani in conversation with Daniela Brill- Estrada

**Location:** Brampton Civic Hospital Atrium

**Dr. Roberta Buiani** is an interdisciplinary artist, media scholar, and curator based in Toronto. Co-founder of the ArtSci Salon at the Fields Institute for Research in Mathematical Sciences and co-director of SloLab at York University. Her work explores emerging life forms, blending art and science, and has been exhibited internationally. She has a newly published book, titled: Viral Behaviors - Viruses and Viral Phenomena across Science, Technology, and the Arts.

**Daniela Brill-Estrada** is an artist and researcher based in Vienna. Inspired by origins of life research and astrobiology, she explores chemical trajectories, particularly carbon. Currently, she is an artist in residence at the SETI Institute and the University at Buffalo. In each of the 200 bottles showcased in the piece Our Celestial Bodies is a specific element, with its origin and presence on Earth listed. The Human Body is shown, made up of elements all born in space, some from the Big Bang and others from stellar explosions.

Daniela's travel to Canada was supported by the:

**austrian cultural forum**<sup>yow</sup>



# Celebration Day

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18 NOVEMBER

**3:30 p.m. - 4:30 p.m. - "Celebrating successes and sharing stories"**

**Location:** Brampton Civic Hospital Atrium

**Speaker: Dr. Doris Grinspun**



**Dr. Doris Grinspun** is the CEO of the Registered Nurses' Association of Ontario (RNAO), leading efforts to advance nursing practice and public health policy. She founded RNAO's Best Practice Guidelines Program and has held key roles in healthcare leadership, including Director of Nursing at Mount Sinai Hospital.

Grinspun is an adjunct professor and global health advocate, with extensive contributions to nursing initiatives worldwide. She has received numerous awards, including the Order of Ontario (2003), the Queen's Diamond Jubilee Medal (2013), and the COVID-19 Courage Award in Policy (2020), highlighting her lifelong commitment to healthcare and equity.



# Partnerships day

NOVEMBER 19

**10:00 a.m. - 12:00 p.m.** - Community Research Fair and student networking event

**Location:** Brampton City Hall - Conservatory Space

**Join us to learn about research with:**

- Osler Research Institute for Health Innovation
- A Space for Grief
- Daphne Cockwell School of Nursing : Nurse Practitioner Program
- TMU School of Medicine
- Sheridan College
- McMaster University Department of Family Medicine
- Social Prescribing for Health Equity – Alliance for Healthier Communities
- Registered Nurses' Association of Ontario (RNAO)
- Healthy and Litty Science Podcast
- Alliance for South Asian Aids Prevention
- WellFort Community Health Services
- Older Adult Centres' Association of Ontario
- Canadian Institute for Social Prescribing
- Osler Ethics Quality Improvement Lab

*Hosted by 2024 ORIHI Summer Student Research Program Graduates.*

**12:00 p.m. - 1:30 p.m.** - ORIHI Research Open House

**Location:** Etobicoke General Hospital East Tower Lobby

**2:00 p.m. – 3:15 p.m.** - Inauguration of ORIHI at EGH

**Location:** Etobicoke General Hospital East Tower Lobby

- ORIHI banner drop, inauguration and welcome, Tiziana Rivera, Executive Vice President Quality, Research & Chief Nursing Executive

**Keynote address:** “The importance of Collaborations in Research” by Dr. Sergio Borgia



**Dr. Sergio Borgia** is an Infectious Disease Consultant and Medical Director of the Osler Hepatitis Centre at William Osler Health System. He specializes in viral hepatitis care and leads research on integrated treatment models while also participating in clinical trials. Dr. Borgia is a prominent leader in Infectious Diseases, emphasizing strong patient advocacy for Peel Region's residents. He seeks to increase access to health care resources, innovative treatments, and cross-disciplinary models of care.



# Health systems transformation day

NOVEMBER 20

**10:00 a.m. - 11:45 a.m.** - Inauguration of ORIHI

**Location:** Peel Memorial Centre for Integrated Health and Wellness Atrium

- ORIHI banner drop, inauguration and welcome, Tiziana Rivera, Executive Vice President Quality, Research & Chief Nursing Executive

**Panel:** What is health systems transformation?

**Moderator:** Rishika Thakur Malhi



**Rishika Thakur Malhi** is the Executive Lead of the Central West Ontario Health Team and Director of Integrated Health Systems at Osler. She specializes in health service design, clinical operations management, strategic planning, and program evaluation. Rishika has demonstrated a strong ability to drive clinical effectiveness and improve health outcomes, making her a key figure in the advancement of integrated health systems in Central West Ontario.



**Dr. Martin Chasen**, Medical Director of Palliative Care, is a leader in oncology and palliative care. With extensive expertise and a commitment to patient care and research, he enhances quality of life for those with life-limiting illnesses. His contributions have earned him numerous awards.



**Dr. Marco Iafolla** is a Medical Oncologist at Osler and specializes in cutaneous, head and neck, and genitourinary cancers. He leads pioneering research in immuno-oncology biomarkers to enhance patient treatment strategies and has been recognized with prestigious awards in oncology research.



**Tiziana Rivera**, is the Executive Vice-President of Quality, Research, and Chief Nursing Executive at Osler. A distinguished nurse leader with over 30 years of experience, she champions nursing excellence, transformative healthcare, and quality improvement initiatives.

**12:00 a.m. - 1:30 p.m.** - Research open house and student networking in the Peel Memorial Centre for Integrated Health and Wellness Atrium.



# Health systems transformation day

NOVEMBER 20

2:00 p.m. - 3:00 p.m. - How to implement health systems transformation

**Location:** Brampton City Hall Conservatory Space

**Moderated by:** Kimberley Floyd, BSW, RSW, MHSc, CHE, CEO of WellFort Community Health Services



**Kimberley Floyd** is the CEO of WellFort Community Health Services with locations across Peel Region, including Brampton. She is known for her innovation in integrated care delivery, system transformation, partnership development, and inclusive leadership. Kimberley has co-led several research initiatives across Ontario, championing sustainable models of care that integrate best practices and evidence. Recently, she contributed to a project focused on health equity and cervical cancer screening, using population health data to identify at-risk communities in Peel, leading to improved health outcomes and increased access to preventative care.



**Dr. Dominik Nowak** is a family doctor and health leader at Women's College Hospital in Toronto. He aims to build teamwork across the health system and serves as President of the Ontario Medical Association, representing 43,000 doctors. Dr. Nowak trained at McMaster University, specializing in family medicine, and completed his Master of Health Administration at the University of Toronto. He is also a faculty member in the Department of Family and Community Medicine and the Dalla Lana School of Public Health. His leadership has earned him the College of Family Physicians of Canada Award of Excellence.



**Kate Mulligan** is a leading expert in community interventions to enhance health and well-being. As the founder and Scientific Director of the Canadian Institute for Social Prescribing, she leads impactful research and collaborations to promote healthier, more equitable health policies. Recently, she received the 2024 Lori Chow Memorial Award from Health Promotion Ontario, recognizing her commitment to public health. Her research focuses on social prescribing, health equity, and the determinants of health. Dr. Mulligan advocates for community leadership and resilience, emphasizing the integration of health and social care. Her work has gained media attention for addressing loneliness and social isolation through innovative solutions.



**Rishika Thakur Malhi** is the Executive Lead of the Central West Ontario Health Team and Director of Integrated Health Systems at William Osler Health System. She specializes in health service design, clinical operations, strategic planning, and program evaluation. Rishika has held various leadership roles, including Director of Clinical Strategy and Design. She holds an MBA in Health Services Management from McMaster University and a Bachelor of Science in Life Sciences from the University of Toronto. Rishika is dedicated to driving clinical effectiveness and improving health outcomes in Central West Ontario.



# Innovation and technology day

NOVEMBER 21

10:00 a.m. - 11:00 a.m. - How technology is helping advance health research  
**Location:** Brampton Civic Hospital Auditorium

**Moderator:** Dr. Hina Marsonia



**Dr. Hina Marsonia** is an innovative pharmacist in Osler's complex medicine clinic, advancing patient care through technology integration and chronic disease management. She mentors pharmacy residents and leads research initiatives. She earned her Doctorate of Pharmacy from the University of Colorado and a Bachelor of Science in Pharmacy from the University of Toronto. She developed a remote management platform for chronic disease patients, improving real-time decision support and communication among healthcare providers.



**Fatima Beg** is a Clinical Specialist at Fisher Scientific with over 15 years of experience in Sales Management and Healthcare. She focuses on business development strategies and new product implementation, driven by a passion for digital healthcare solutions.



**Rochelle Duong** is a Registered Nurse and Director of Clinical Operations at Aetonix Health Systems Inc., a Division of Trudell Medical. With a Master's in Health Administration, she specializes in optimizing patient access to care through virtual healthcare solutions.



**Parnian Majd** is the Founder and CEO of Fibra Inc., a biomedical engineer with degrees from Toronto Metropolitan University and the University of Toronto. Recognized for her exceptional contributions to the technology sector, Parnian received the EY 2022 Women in Tech award, was the finalist of the 2024 Women Empowerment Award for Innovation by Rogers and was nominated for the 2023 DMZ Women of the Year award. She seamlessly integrates technical prowess with strategic acumen. Parnian is a passionate advocate for women's health, reproductive health, and innovation in wearables and smart textiles.



# Innovation and technology day

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NOVEMBER 21

**11:00 a.m. - 11:55 p.m. - Measuring staff workload and care quality using computer simulation: A proposed tool for health care system design**

**Location:** Brampton Civic Hospital Auditorium

**Presented by:** Dr. Susan Bookey-Bassett, RN, PhD, Assistant Professor, Daphne Cockwell School of Nursing, TMU and Dr. Patrick Neumann, PhD, LEL, EurErg, Professor, Mechanical, Industrial and Mechatronics Engineering, TMU

The collaboration between nursing and engineering has the potential to drive significant advancements in healthcare system design. The collaborative effort between engineers, who design the simulation models, and nurses, who provide real-world insights, has led to a proactive, data-driven method for improving workplace design and care delivery. Come hear examples of how this research offers findings that could reshape healthcare policies and workplace practices, with the potential to enhance patient safety and care quality.



**Dr. Susan Bookey-Bassett** is a health services researcher and an Assistant Professor in the Daphne Cockwell School of Nursing at Toronto Metropolitan University, and the Co-Lead for the Better Work Better Care Coalition. Her research focuses on nursing workforce development, health-care work environments and integrated care.



**Dr. Patrick Neumann** is a design scientist, a certified human factors professional and director of the Human Factors Engineering Lab in Toronto Metropolitan University's Industrial Engineering group. He is co-lead of the Better Work Better Care Coalition, an open network of practitioners and researchers devoted to improving working conditions and care quality in health care.



# Innovation and technology day

NOVEMBER 21

**12:00 p.m. - 1:00 p.m. - Innovations in Health Research and Technology**

– panel curated by Brampton Venture Zone and the Altitude Accelerator

**Location:** Brampton Civic Hospital Auditorium

**Moderator:** Fardan Khan



**Fardan Khan** is a seasoned leader with a background in health and a decade of experience in venture acceleration, startup operations, and angel investing. He currently oversees programming at Toronto Metropolitan University's Brampton Venture Zone, a nonprofit incubator empowering innovative founders, particularly in health. As part of the Brampton Innovation District, BVZ strengthens the local economy by fostering a thriving tech ecosystem.



**Phillip Mohabir** is CEO and co-founder of Vivo Surgery, a company that enhances surgical training through remote, real-time access to operating room education. Vivo Surgery has trained medical students in 14 countries and supported trauma surgeons in Ukraine, collaborating with the ASSIST Ukraine project. Early adopters include McMaster University, University Hospital Basel, and various medical schools. Phillip and his co-founders received the inaugural Hamilton Health Sciences Drive SPARK funding award and a FedDev SOPHIE award to explore Vivo Surgery's applications for upskilling surgical nurses and expanding the surgical workforce.



**Dr. Saumik Biswas** is CEO, President, and founder of Tenomix, a medical tech company focused on improving pathology workflows, cancer care, and reducing healthcare costs. He holds a PhD in Pathology and Laboratory Medicine from Western University, where he also completed the Medical Innovation Fellowship and formed his founding team. Recognized as a young trailblazer by Business London, Dr. Biswas was featured on the cover of Schulich's Alumni Rapport Magazine. Under his leadership, Tenomix was named one of the top 100 startups to watch in 2024, securing over \$4M in funding, publishing 16 manuscripts, and winning multiple awards.



**Kim Rowe**, CEO Rowebots, is an innovative leader in medical device manufacturing, specializing in aging-in-place solutions at Home Health Systems. With over a decade of experience in product management and IoT applications, he is dedicated to enhancing safety and mobility for seniors. His work focuses on creating technology that supports independent living, ensuring seniors can remain in their homes with confidence and security.



# Innovation and technology day

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NOVEMBER 21

**1:00 p.m - 2:00 p.m - Advancing nursing practice and research: Harnessing the power of technology in the age of artificial intelligence.**



**Presented by:** Dr. Shanoja Naik, Associate Director & Chief Scientist, Registered Nurses' Association of Ontario (RNAO)

This talk will explore how technology, particularly artificial intelligence (AI), is transforming nursing practice and research. It will highlight innovative ways AI is being integrated into healthcare to enhance patient care, streamline clinical workflows, and improve outcomes. The session will discuss the potential of AI-driven tools for advancing nursing research.

Additionally, the talk will address the ethical considerations and challenges of adopting AI in nursing, while emphasizing the importance of equipping nurses with the skills to leverage these technologies to drive evidence-based practice and innovation in healthcare.



# Community health, wellbeing, and education day

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NOVEMBER 22



**9:00 a.m. – 9:55 a.m. Removing the Silos: Interprofessional education to support hospital-to-home integrated care**

**Location:** Brampton Civic Hospital Auditorium

**Presented by:** Dr. Susan Bookey-Bassett, RN, PhD, Assistant Professor, Daphne Cockwell School of Nursing, TMU and Dr. Sherry Espin, RN, PhD, Associate Professor, Daphne Cockwell School of Nursing, TMU

**Dr. Susan Bookey-Bassett** is a health services researcher and an Assistant Professor in the Daphne Cockwell School of Nursing at Toronto Metropolitan University, and the Co-Lead for the Better Work Better Care Coalition. Her research focuses on nursing workforce development, health-care work environments and integrated care.

**Dr Sherry Espin** is an Associate Professor in the Daphne Cockwell School of Nursing at Toronto Metropolitan University, where she teaches in the graduate and undergraduate post diploma programmes. Sherry's research examines how patients/caregivers and team members perceive and interact with one another in the context of safety, safe work environments, and health equity in a variety of practice settings. Further, Sherry explores processes and outcomes related to interprofessional practice and education including interprofessional student placements, approaches to IPE in integrated care and use of simulation focusing on quality and teamwork for care transition.



# Community health, wellbeing, and education day

NOVEMBER 22



**10:00 a.m. – 10:55 a.m. Equitable cancer diagnoses for and with structurally underserved communities, including First Nations, Metis and Inuit Communities**

**Location:** Brampton Civic Hospital Auditorium

**Keynote address by:** Leah M. Stephenson.

**Leah M. Stephenson** is a systems thinker and consultant driven by her lived experience and specializing in complex, multi-sectoral issues, with a particular expertise on healthcare in Canada. As Strategic Lead at All.Can Canada, she fosters co-design and Collective Impact to improve early, accurate, and well-delivered cancer diagnoses for everyone across the country.

**Hosted by:** Dr. Angel Petropanagos



**Dr. Angel Petropanagos** is an Ethics Researcher at the Ethics Quality Improvement Lab, specializing in bioethics and feminist theory. With a PhD and extensive experience in clinical ethics, she is dedicated to improving ethical decision-making in health care through research, education, and practical tools.

**11:00 a.m. - 11:55 p.m. Reimagining an essential care partner program for persistent critical illness**

**Location:** Brampton Civic Hospital Auditorium

**Presented by:** Dr. Laura Istanboulian, NP, PhD, Assistant Professor, Daphne Cockwell School of Nursing, TMU



**Dr. Laura Istanboulian's** program of research is focused on promoting safe and equitable access to care for patients with persistent critical illness. She is a Nurse Practitioner and Clinician Scientist for the Provincial Centre for Excellence for Prolonged Ventilation Weaning at Michael Garron Hospital since 2012, and a Registered Nurse since 2005 with a focus on multi-organ transplant and critical care.



# Community health, wellbeing, and education day

NOVEMBER 22

**12:00 p.m. – 1:00 p.m. - Transforming medical education**

**Location:** Brampton Civic Hospital Auditorium

**Keynote by:** Dr. Teresa Chan



**Dr. Teresa M. Chan** is the Founding Dean of the Toronto Metropolitan University School of Medicine and Vice-President of Medical Affairs. A former emergency physician and educator at McMaster University, she is known for an innovative approach to medical education and advocating for social justice.

**1:30 p.m. - 4:00 p.m. - Sneak peek - 3D immersive experience, Celebrate Research Week closing event!**

**Location:** Brampton Civic Hospital Auditorium



Join us for an exclusive look into the future of medical education, research and healthcare at TMU's School of Medicine! The medical school will open its doors to faculty, staff and learners in fall 2025 and will set the stage for the future of healthcare training. Leveraging digital animations and virtual reality imaging, this session will offer participants an exciting preview of key parts of the new medical school facility including :

- The lobby and atrium welcoming staff, faculty and students to the building.
- High-fidelity simulation labs where medical learners will practice life-saving procedures in realistic environments.
- Clinic exam rooms from our on-site Integrated Health Center
- Anatomy labs where medical learners will benefit from a hybrid approach that incorporates the best of digital anatomy technology as well as traditional anatomy models and specimens.
- Learning centres at Brampton Civic Hospital and Etobicoke General Hospital that will include collaboration space, work stations, call rooms, lounge area and meeting rooms.

**Thank you to our community supporters**



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