

AGENDA 2024

Monday, June 10

	Registration MSE Lobby		
11:00 a.m. – 12:30 p.m.	Poster Set-Up <i>MSE</i> 152, 153, 154, 155		
	Sponsorship Booth Set-Up MSE Lobby		
	LUNCH MSE Lobby		
12:00 p.m. – 1:15 p.m.	Hallway Conversations (In Person Only)		
	Poster Viewing MSE 152, 153, 154, 155, NOS	SM University YouTube	
1:15 p.m. – 1:30 p.m.	In-Person Transition → MSE 107		
	Opening Remarks & Opening Prayer Web	DEX / MSE 107	
1:30 p.m. – 2:30 p.m.	Dr. Verma, Dr. Marsh, and Elder Maryann Edanawas		
2:30 p.m. – 2:35 p.m.	In-Person Transition → MSE 107 / MSE 119		
	Oral Presentation	1S (WebEx and in Person)	
	Theme 1: Clinical and Translational Research ¹	Theme 3: Population and Public Health ³	
	Session Chair: Chris Thome	Session Chair: Lee Rysdale	
	MSE 107	MSE 119	
	Vahid Mehrnoush & Dhruv Lalkiya	Charu Yadav	
2:35 p.m. – 2:50 p.m.	The necessity of systematic biopsy with	Unmet Healthcare Needs of Persons with Disabilities in Canada	
	targeted biopsy in MRI/US fusion technique	Disabilities ili Callaua	
2:50 p.m. – 2:55 p.m.	Speaker Transition Ani St-Aubin Ouellette	Paige Stevenson	
2:55 p.m. – 3:10 p.m.	The Oral Maxillofacial Rehabilitation Program: a quality-of-life assessment	Primary Health Care Utilization in All Nations Health Partners Ontario Health Team:	
2.55 p.m. – 5.10 p.m.	, q ,	Assessing Preventative Services, COVID-19	
		Impacts and Recommendations for Improving Access	
2:10 m ms 2:15 m ms	Cooksy Typosition	Access	
3:10 p.m. – 3:15 p.m.	Speaker Transition Cory Tremblay	Zaid Shahid & Emma Harland	
	A Retrospective Review of Breast	Understanding barriers to accessing primary	
3:15 p.m. – 3:30 p.m.	Reconstruction Rates in Northern Ontario	healthcare among immigrant populations in	
		Northern Ontario	
	In-Person Transition → MSE Lobby		
	NUTRITION BREAK MSE Lobby		
3:30 p.m. 3:55 p.m.	Poster Viewing MSE 152, 153, 154, 155, NOSM University YouTube		
3:55 p.m. – 4:00 p.m.	In-Person Transition → MSE 107 / MSE 119		

	Oral Presentations (WebEx and in Person)		
	Theme 2: Biomedical and Basic Sciences ² Theme 4: Humanities and Social Sciences ⁴		
	Session Chair: Sean Parsons	Theme 3: Population and Public Health ³	
	MSE 107	Session Chair: Alain Simard	
		MSE 119	
	Cameron Hourtovenko	Crystal Hardy	
4:00 p.m. – 4:15 p.m.	The effects of gestational irradiation on mouse placenta and fetus	A Novel Framework for Pandemic Preparedness and Response in First Nations: Perspectives from 4 First Nations in Northwestern Ontario	
4:15 p.m. – 4:20 p.m.	Speaker Transition		
4:20 p.m. – 4:35 p.m.	Michel R. Lapointe Exploring the Biological Impact of Sub- Natural Background Radiation: Insights from the REPAIR Project at SNOLAB	Vahid Mehrnoush & Shahrzad Keramati Moezabad The Instruments Used to Assess Health Literacy of Prostate Cancer in Indigenous And Non- Indigenous Population: A Scoping Review	
4:35 p.m. – 4:40 p.m.	Speaker Transition		
4:40 p.m. – 4:55 p.m.	High Dose C5a Induces PC12 Cell Dysfunction - A Potential Mechanism of Adrenal Gland Damage in Sepsis	Chiao-En Joanne Kao Technology-Based Behavioural Health Supports for Employees in Northwestern Ontario: An Environmental Scan of Employer-Provided Benefit Packages	
	In-Person Transition		
5:00 p.m. – 5:30 p.m.	Poster Viewing MSE 152, 153, 154, 155, NOSM University YouTube Hallway Conversations (In Person Only)		
5:00 p.m. – 7:00 p.m.	Reception hosted by the Dr. Gilles Arcand Centre for Health Equity HSERC 105		

Session Learning Objectives

Theme 1 - Clinical and Translational Health¹

Research Priorities: Cardiovascular ◆ Cancer ◆ Surgery ◆ Primary Care

- Describe current research in cardiovascular, cancer, surgery, and primary care.
- 2. Identify strengths and limitations of cardiovascular, cancer, surgery, and primary care research.
- 3. Assess and analyze cardiovascular, cancer, surgery, and primary care research and potential impact on clinical practice.

Theme 2 – Biomedical and Basic Sciences²

Research Priorities: Environmental Health ◆ Physiology, Biological Systems and Functions ◆ Disease Process, Diagnostics and Therapeutics

- 1. Describe current research in environmental health, physiology, biological systems and functions, disease process, and diagnostics and therapeutics.
- 2. Identify strengths and limitations of environmental health, physiology, biological systems and functions, disease process, and diagnostics and therapeutics research.
- 3. Assess and analyze environmental health, physiology, biological systems and functions, disease process, and diagnostics and therapeutics research and potential impact on clinical practice.

Theme 3 - Population and Public Health³

Research Priorities: Chronic Disease ◆ Rural Medicine ◆ Health Services ◆ Social Determinants of Health

- 1. Describe current research in chronic disease, rural medicine, health services, and social determinants of health.
- 2. Identify strengths and limitations of chronic disease, rural medicine, health services, and social determinants of health research.
- 3. Assess and analyze chronic disease, rural medicine, health services, and social determinants of health research and potential impact on clinical practice.

Theme 4 - Humanities and Social Sciences⁴

Research Priorities: Indigenous Peoples' Health ◆ Francophone Health ◆ Health Professions Education

- 1. Describe current research in Indigenous Peoples' health, Francophone health and health professions education.
- 2. Identify strengths and limitations of Indigenous Peoples' health, Francophone health and health professions education research.
- 3. Assess and analyze Indigenous Peoples' health, Francophone health and health professions education care research and potential impact on clinical practice.

Keynote Panel Address⁵

- 1. To share different ways NOSM U are optimizing the types and availability of data to specifically help answer health equity questions.
- 2. To highlight how NOSM U research networks are helping to understand and influence health system transformations from training pathways to health system innovations in Northern Ontario.

3. To illustrate how shared academic, educational, and research mandates can help enable the improvement of health and wellness across Northern

ICES Lunch & Learn⁶

- 1. Develop research questions that can be feasibly addressed using administrative and clinical databases housed at ICES North.
- 2. Identify metrics to categorize geography, including northern residency, rurality, and remoteness.
- 3. Better understand how population level data can be integrated into their current or future research programs.

Tuesday, June 11

	Registration MSE Lobby		
8:00 a.m. – 8:40 a.m.	BREAKFAST MSE Lobby		
	Poster Viewing MSE 152, 153, 154, 155, NOSI	M University YouTube	
8:40 a.m. – 8:45 a.m.	In-Person Transition → MSE 107		
	Keynote Panel Address ⁵ WebEx / MSE 107		
	Advancing Health Equity Research: A Learning C	Collaborative Network Approach at NOSM	
8:45 a.m. – 10:00 a.m.	University		
	Presenters: Drs. Alex Anawati, Erin Cameron, Jos	eph LeBlanc, Brianne Wood, & Barb Zelek	
	Session Chair: Jessica Pope		
	In-Person Transition → MSE Lobby		
10:00 a.m. – 10:30 a.m.	NUTRITION BREAK MSE Lobby		
	<u>Poster Viewing</u> <i>MSE 152, 153, 154, 155, NOSI</i>	<u>M University YouTube</u>	
10:30 a.m. – 10:35 a.m.	In-Person Transition → MSE 107 / 119		
	Oral Presentations	(WebEx and in Person)	
	Theme 1: Clinical and Translational Research ¹	Theme 3: Population and Public Health ³	
	Session Chair: Barb Zelek	Session Chair: Nancy Lightfoot	
	MSE 107	MSE 119	
	Danielle Roy	Alex Anawati & Rylee Restoule	
10:35 a.m. – 10:50 a.m.	Circulating Blood Biomarkers and Risk of Venous Thromboembolism in Cancer Patients:	Identification of Health Equity Data Indicators for a Northeastern Ontario	
	A Systematic Review and Meta-Analysis	Academic Regional Health Sciences	
		Centre: A Rapid Review of Literature	
10:50 a.m. – 10:55 a.m.	Speaker Transition		
	Noah Dickinson	Simon Paquette	
10:55 a.m. – 11:10 a.m.	The role of prostaglandin dysregulation in the development of radiation resistance in human	The Effects of Oral Probiotics on Type 2 Diabetes Mellitus (T2DM): A Clinical Trial	
	breast cancer	Systematic Literature Review	
11:10 a.m. – 11:15 a.m.	Speaker Transition		
	Meghan McCue	Gian Marco Di Feo	
11:15 a.m. – 11:30 a.m.	Assessing intra-tumoral nitric oxide levels in a	Scientific Perspectives on Autism Over	
	mouse model of breast cancer	Time	
11:30 a.m. – 11:35 a.m.	Speaker Transition		
	Wuroud Al-khayyat	Nancy Lightfoot	
11:35 a.m. – 11:50 a.m.	Investigating the role of FRA1 in radiation- induced carcinogenesis	Patient and Healthcare Provider Experience with Rheumatoid Arthritis in	
	madeca caremogenesis	Northern Ontario	
	In-Person Transition → MSE Lobby, MSE 107		
12:00 p.m. – 12:45 p.m.	LUNCH MSE Lobby		
	Evaluations – <u>Click Here</u> !		
	Poster Viewing MSE 152, 153, 154, 155, NOSM University YouTube		
12:00 p.m. – 12:45 p.m.	Hallway Conversations (In Person Only)		
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12:00 p.m. – 12:45 p.m.	ICES North Lunch and Learn ⁶ MSE 107	ta for recoarch	
	Unlocking the possibilities of administrative data for research		

	Presenter: Josh Cerasuolo
	Session Chair: Darrel Manitowabi
12:45 p.m. – 1:00 p.m.	In-Person Transition → MSE 107 / MSE 119

	Oral Presentations (WebEx and in Person)		
	Theme 2: Biomedical and Basic Sciences ² Session Chair: Alex Moise MSE 107	Theme 4: Humanities and Social Sciences ⁴ Theme 3: Population and Public Health ³ Session Chair: Marion Maar MSE 119	
1:00 p.m. – 1:15 p.m.	Gustavo Ybazeta Expanding Horizons in Wastewater Surveillance: From SARS-CoV-2 to Multipathogen Detection in Northern Ontario using Digital PCR	Mobilizing and evaluating a multi-level learning health system in northern, rural, remote contexts: a consensus-building activity	
1:15 p.m. – 1:20 p.m.	Speaker Transition		
1:20 p.m. – 1:35 p.m.	Mitchell Slobodian Terephthalic acid metabolism in Pseudomonas fluorescens produces value added products: a metabolomic study	Ka Niigaanwidoon: The Use of an Asset Map as an Activity in Successful Data Gathering Through Visual Storytelling to Determine Indigenous Communities' Strengths in Supports and Resources for People Living with Multiple Chronic Conditions	
1:35 p.m. – 1:40 p.m.	Speaker Transition		
1:40 p.m. – 1:55 p.m.	Comparative Analysis of Treatment Modalities for Vesicourethral Anastomotic Stenosis: A Single Center Retrospective Cohort Study	Self-confidence in addressing substance use presentations: A needs assessment of Northern Ontario care providers	
1:55 p.m. – 2:00 p.m.	Speaker Transition		
2:00 p.m. – 2:15 p.m.	Alexandrine L. Martel Novel intranasal anti-inflammatory system to treat Alzheimer's disease	Lee Rysdale Teaching Kitchens: Innovative Nutrition Training for Resident Physicians	
2:15 p.m. – 2:20 p.m.	In-Person Transition → MSE 107		
2:20 p.m. – 3:00 p.m.	Awards, Closing Remarks & Prayer Webl Dr. T.C. Tai and Elder Maryann Edanawas	Ex / MSE 107	

Inaugural Resident Research Workshop

Following the conference please join the Dr. Gilles Arcand Centre for Health Equity for the inaugural Resident Research Workshop and Panel Discussion: 'Facilitating Health Equity in Resident Research' featuring residents and leaders in the NOSM University community. All are welcome to attend. Please note this session is not accredited as part of NHRC.

Snacks and refreshments start at 3:00 p.m.

The following Mini Panels will run from 3:30 p.m. until 5:30 p.m.:

Mini Panel 1: Resident Panel – Key Takeaways and Reflections

Mini Panel 2: Facilitating Health Equity Research in Residency Research

Mini Panel 3: Residency Research and Health Equity – Background and Context

The location for this event is HSERC 105.

Poster Exhibitions

Poster			
Station #	MSE 152, 153, 154, 155		
	Theme 1 – Clinical and Translational Research ¹		
	Intrascrotal 'Facsinoma' in a Rural Urology Practice		
	Emmanuel Abara		
	Non-iatrogenic Foreign bodies in the Genito-urinary tract		
	Emmanuel Abara		
	Squamous Cell Carcinoma-in-situ of the Penis: Northern Ontario Lessons		
	Emmanuel Abara		
#1	The role of prostaglandin dysregulation in the development of radiation resistance in human breast cancer		
	Noah Dickinson		
	Investigating the role of the microbiome as a mediator for radiation therapy induced bowel injury		
	Alexandra Jameus		
	The effects of doxorubicin and cancer on the hepatic amino acid pool		
	Miguel Paquette		
#2	Empowering Women: Navigating Breast Cancer in Canada		
	Indrani Paul		
	Direct Anterior Approach vs Hardinge in THA: Comparison of Outcomes		
	Rabail Siddiqui & John Trask		
	Assessing the Efficacy of the Skin Cancer Referral Process and its Impact on Outcomes in Northern Ontario - A Retrospective Study		
	Cory Tremblay		
	Theme 2 – Biomedical and Basic Sciences ²		
	Epidemiology of invasive Haemophilus influenzae disease in Northeastern Ontario		
	Kalem Barrow		
	Role of Bioactive Compounds in a SIRT-1 Knockdown Model of Sodium Iodate Induced Retinal Pigment Cell Damage		
	Nicholas Bel		
	The characterization of antifungal resistance in pathogenic Candida to improve development of resistance		
	biomarkers and species identification		
	Karolina Czajka		
	Dementia and its Relations Between the Late 20th and 21st Century		
	Gian Marco Di Feo		
	Regulation of catecholamine biosynthetic enzymes by the gas transmitters carbon monoxide (CO) and hydrogen sulfide (H2S)		
#3	Robert Dingley		
	Anticancer activity of freshwater microalgae from extreme environments		
#4	Kayla Guse & William Ruddy		
	Advancing Public Health Surveillance in Northeastern Ontario: Utilizing Digital PCR in Wastewater-Based		
#5	Epidemiology for STI Detection		

	James Knockleby
#6	Adult Phenotypes Associated with Prenatal Exposures to Radiation
	Christine Lalonde
	Catecholamine Biosynthesis and Regulation in PC12 Cells: The Influence of Sex Hormones
	James Lee
	Enhancing Early Detection of Influenza Outbreaks in Northeastern Ontario through Wastewater-Based
#7	Epidemiology Using Digital PCR
	Anu Nair & James Knockleby
	The epidemiology of invasive Haemophilus influenzae disease treated at a regional hospital in northwestern
	Ontario, Canada, from 2021-2022: Case Series
	Hannah Shortreed
#8	Retinoic Acid Regulates Commitment of Osteoprogenitor Cells During Bone Development
	Parisa Varshosaz

	Theme 3 – Population and Public Health ³
	Okoko Item Telehealth: Reducing Disparity, Improving Access in Rural Health-A Pilot Emmanuel Abara
	Contextualized AI: Redefining Healthcare Data Strategies in Northern Ontario Andrew Austin
	An Unmet Global Agenda: COVID-19 vaccine Hesitancy in Northern Ghana Prosper Mandela Amaltinga Awuni
#9	Telemedicine Benefits and Challenges in Rural and Remote Pediatric Cardiology Vanessa De Coppi
	Enhancing knowledge acquisition and dissemination through administrative tools: The CREATE Project Kerri Delaney
	Could Sector-Related Shortages and Closures During COVID-19 Have Been Avoided? A Regional Scoping Review of COVID-19 in Ontario George Flagler
	Future Planning for Adults with Intellectual and Developmental Disabilities Shelly Hosman, Pam Villeneuve & Sandeep Kaur
	Assessing Standards of Accessibility in Sault Ste. Marie Nav Kaur & Rebecca Leigh
	Visual Aids, Healthcare, and the Ontario Assistive Devices Program c. 1982-1992 Alexander Kos
	A retrospective chart analysis of frostbite care in Northeastern Ontario to guide emergency department quality improvement Caleb Lawlor, Brandon Grandinetti & Matthew Jones
	Sepsis in Northern Ontario's Rural and Remote Communities Lucas Mrozewski
	Examining the impact of two patient navigation models on self-reported health service utilization and quality of life among adults in Examining two Ontario cities Joël Pitre
	The effect of PCF3-DiPP agonism on NLRP3 and NLRP1 inflammasome in human PBMC across age and gender **Doretha Thompson**
	Approach to Burn Treatment in the Rural Emergency Room Cory Tremblay
	Challenges and Facilitators for Physicians and Medical Schools to Promote Social Accountability in Rural and Northern Communities: A Scoping Review Yihan Wang, Samar Joshi & Arthur Wang
	Theme 4 – Humanities and Social Sciences ⁴
	Improving bias reporting in CPD program evaluations: A pilot project Clare Cook
	Reciprocity in interprofessional education: Community agencies' reflections on a virtual, team-based, critically engaged civic learning model Emma Harland

	Access to French Language Services in the Emergency Department at Health Sciences North (HSN)
	Alyssa Labelle & Tyler Pretty
	Ka Niigaanwidoon (WISE Care): Integrated Knowledge Translation to address multi-morbidity and promote
	healthy aging in Indigenous people
#10	Trouting against in margorious poopto
	Sebastien Lefebvre & Michael-Ann MacLean
	Mina Nindamowin (MInD Care): Aging in place in First Nations Communities; a community-based approach to
#11	supporting older Indigenous people with Dementia
	Sebastien Lefebvre & Michael-Ann MacLean
	Culturally safe Indigenous health research in practice: A webinar series co-created by community-based
	researchers and the Canadian Consortium on Neurodegeneration in Aging (CCNA) Indigenous Cognitive Health
#12	Program (ICHP)
	Sebastien Lefebvre, Michael-Ann MacLean & Kassandra Loewen
	<u>Traditional Medicine on Manitoulin Island: Unearthing Insights from Historical Interviews and Jesuit Diaries</u>
	(<u>1800-1900s</u>)
	Claire Poulin & Kallie Ritchie