



# NORTHERN HEALTH RESEARCH CONFERENCE

## 2022 NHRC Agenda

*Friday, June 24, 2022*

9:00am to 10:30am	<p><b>Pre-Conference Workshop (WebEx and in Person)</b>  <b>Research at NOSM University: The basics and beyond</b>  <i>Presenter: Ghislaine Pilot-Attema</i></p> <p style="text-align: right;"><i>Room 119</i></p>		
11:00am to 11:15am	<p><b>Opening Prayer and Opening Remarks (WebEx and in Person)</b>  <i>Dr. Sarita Verma and Dr. David Marsh</i></p> <p style="text-align: right;"><i>Room 107</i></p>		
11:15am to 12:15pm	<p><b>Keynote Address (WebEx and in Person)</b>  <b>An Unusual Suspect: The Journey from Clinician to Physician-Researcher</b>  <i>Presenter: Dr. Chiachen Cheng</i>  <i>Session Chair: Dr. TC Tai</i></p> <p style="text-align: right;"><i>Room 107</i></p>		
12:15pm to 12:30pm	<p><b>BREAK</b></p>		
12:30pm to 1:30pm	<p><b>Oral Presentations (WebEx and in Person)</b></p>		
	<p><b><u>Theme 1 – Cancer</u></b>  <i>Session Chair: Lee Rysdale</i>  <i>Room 107</i></p>	<p><b><u>Theme 2 – Clinical Research</u></b>  <i>Session Chair: Kara Nadeau</i>  <i>Room 119</i></p>	<p><b><u>Theme 3 – Indigenous People’s Health</u></b>  <i>Session Chair: Ghislaine Pilot-Attema</i>  <i>Room 215</i></p>
12:30pm to 12:45pm	<p style="text-align: right;"><b><i>Manon Valiquette</i></b>  The Immune Modulating Effects of Low Dose Ionizing Radiation and Its Applicability in Cancer Therapy</p>	<p style="text-align: right;"><b><i>Shahrazad Keramati</i></b>  Risk factors for genitourinary malignancies in patients with microscopic hematuria- Systematic Review and Meta-analysis</p>	<p style="text-align: right;"><b><i>Kaeshan Elamurugan and Jamie Strain</i></b>  Social Inequities Contributing to Gestational Diabetes in Indigenous Populations in Canada: A Scoping Review</p>
12:45pm to 1:00pm	<p style="text-align: right;"><b><i>Alyssa Murray</i></b>  Profiling Molecular Changes in Radiation Resistant Triple Negative Breast Cancer through RNA-Seq Analysis</p>	<p style="text-align: right;"><b><i>Emily Elder</i></b>  Topical tranexamic acid in hip fractures: a randomized, placebo-controlled double-blinded study</p>	<p style="text-align: right;"><b><i>Nancy Lightfoot</i></b>  Seeking Mino-nokiiwin: Community-based Indigenous Occupational Health and Safety Experience in Northeastern Ontario</p>

1:00pm to 1:15pm	<b>Meghan McCue</b> Staying Strong Through Chemo: Determining if electrical stimulation protects skeletal muscle following Doxorubicin administration	<b>Emmanuel Abara</b> Use of sound waves through smartphone to monitor urinary flow patterns amongst rural northern Ontario residents-a potential digital health strategy	<b>Omolara Odulaja</b> Indigenous Youth, Identity Expression, and Cultural Engagement on Social Media
1:15pm to 1:30pm	<b>Vahid Mehrnoush</b> Effect of Nearness to Cancer Centre on Prostate Cancer Outcomes and Patient's Choice for The Type of Intervention	<b>Veronika Williams and Jennifer Gordon</b> Rare and Young Onset Dementia: Translating learning from the multicentre Rare Dementia Impact Study to Rare Dementia Support Canada	
1:30pm to 1:45pm	<b>BREAK</b>		
1:45pm to 2:45pm	<b>Oral Presentations (WebEx and in Person)</b>		
	<b><u>Theme 4 – Health Services, Population and Public Health</u></b> <i>Session Chair: Alyssa Murray Room 107</i>	<b><u>Theme 2 – Clinical Research</u></b> <i>Session Chair: Sabrina Slade Room 119</i>	<b><u>Theme 5 – Medical and Health Education</u></b> <i>Session Chair: Hillary Mettam Room 215</i>
1:45pm to 2:00pm	<b>Sherry Mongeau</b> COPD and Compensation Claims: Every Miner has their Story	<b>Larry Dahmer</b> Effectiveness and Feasibility of a 30-Week RO DBT Skills Class Targeting Transdiagnostic Clinical Presentations: Preliminary Results	<b>Brittany Best</b> The learning impact of a virtual CPR webinar for seniors
2:00pm to 2:15pm	<b>Eliseo Orrantia</b> Rural Resilience: What COVID-19 reveals about local healthcare systems in Northern Ontario	<b>Lobna Abdel-Dayem</b> Investigating the role of Retinol Saturase in ferroptosis	<b>Lee Rysdale</b> Culinary Medicine: Advancing client-centred nutrition care using an innovative and active learning model for Canadian medical and dietetic learners
2:15pm to 2:30pm	<b>Conner Sonke and Emily Elder</b> Demographics of a Northwestern Ontario Patient Cohort Undergoing Carpal Tunnel Release Surgery	<b>Kara Nadeau</b> Perceptions on Prehabilitation in Northern Ontario General Surgery Patients	<b>Shaen Gingrich and Samantha Jibb</b> “Sustain and Gain”: The Co-Creation and Evaluation of a Falls Prevention Maintenance Program for Community-Dwelling Older Adults
2:30pm to 2:45pm			
2:45pm to 3:00pm	<b>Awards, Closing Remarks and Closing Prayer (WebEx and in Person)</b> <i>Dr. TC Tai</i>		

3:00pm to 4:00pm	Poster Station #	<p style="text-align: center;"><b>Poster Q&amp;A Session (In Person Only)</b></p> <p style="text-align: right;"><i>2<sup>nd</sup> floor Hallway</i></p>
<b><u>Theme 1 – Cancer</u></b>		
	<b>1</b>	<a href="#">“Conversations about Cancer”: Everything starts in communities! An example of Cancer Screening Knowledge Translation with First Nation People in the Northeast.</a> <b>Marnie Anderson</b>
	<b>2</b>	<a href="#">Investigating the cellular effects of Fra-1 in the CGL1 radiation induced tumorigenesis cell model</a> <b>Wuroud Al-khayyat</b>
	<b>3</b>	<a href="#">Application of genetically engineered probiotic bacteria as a mediator for radiation therapy induced bowel injury</a> <b>Alexandra Jameus</b>
<b><u>Theme 2 – Clinical Research</u></b>		
	<b>4</b>	<a href="#">Peer Power - The Voice that Deserves to be Heard</a> <b>Karla Gharthey and Marie Pollock</b>
	<b>5</b>	<a href="#">Low Carbohydrate Diet Have a Significant Role to Play in the Prevention and/or Treatment of Neuro-cognitive Diseases?: A Systematic Review</a> <b>Gina Rizq and Samuel Gobraeil</b>
	<b>6</b>	<a href="#">Supporting Lactation in Otolaryngology Patients: A Literature Review</a> <b>Emily Elder</b>
	<b>7</b>	<a href="#">Evaluating a pain management intervention for trauma patients by air</a> <b>Sabrina Slade</b>
<b><u>Theme 4 – Health Services, Population and Public Health</u></b>		
	<b>8</b>	<a href="#">Rural Resilience: What COVID-19 reveals about the local healthcare workforce in Northern Ontario</a> <b>Lily DeMiglio and Eliseo Orrantia</b>
	<b>9</b>	<a href="#">Promise of partnership: Towards healthy Greater Sudbury Library space during a pandemic, and the housing and overdose crises</a> <b>Sandra Hoy</b>
	<b>10</b>	<a href="#">Planning for the Future: Evaluating an Advanced Care Planning Initiative</a> <b>Jeremy Mozzon and Sara Calvert</b>
<b><u>Theme 6 – Environment and Health</u></b>		
	<b>11</b>	<a href="#">Variable Neurogenetic Responses to Fetal Exposures of Ionizing Radiation</a> <b>Christine Lalonde</b>
	<b>12</b>	<a href="#">Establishing Caenorhabditis elegans (C. elegans) as a Model System for Radiation Biology Research</a> <b>Félix Lavigne</b>
	<b>13</b>	<a href="#">Mechanotransduction as a regulator of vitamin A homeostasis</a> <b>Parisa Varshosaz</b>
<b><u>Theme 7 – Biomolecular Sciences</u></b>		
	<b>14</b>	<a href="#">Role of Gas Transmitters H 2 S and CO in the Regulation of Genes Encoding Catecholamine Biosynthetic Enzymes</a> <b>Robert Dingley</b>
	<b>15</b>	<a href="#">Desiccated Yeast Sentinels in Sub-Background Radiation Environments</a> <b>Michel Lapointe</b>
	<b>16</b>	<a href="#">Influence of Sex Hormones on Catecholamine Biosynthesis</a> <b>Jenna Gilchrist</b>
	<b>17</b>	<a href="#">The presence of acetylcholine in immune cells and its correlation with age and inflammatory disease</a> <b>Doretha Thompson</b>



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The following poster presentations will also be available online for viewing (*this session is not CEPD Accredited*)

## Theme 2 – Clinical Research

- [Postpartum diabetes screening with Hemoglobin A1C and/or a fasting glucose among women with gestational diabetes mellitus: a systematic review](#)  
*Aidan Goertzen*
- [Does employing a drug dispensing machine improve patient outcomes in a buprenorphine/naloxone program for patients with severe opioid use disorder: a prospective study](#)  
*Bowen Alcock and Jonathan Grek*
- [Social Determinants of Health and the Impact on Opioid Maintenance Therapy](#)  
*Alexandrea Macey*
- [CPRAT: A Novel Method for Enhancing CPR](#)  
*Imran Bagha*
- [Transcatheter Aortic Valve Implantation Versus Sutureless Aortic Valve Replacement: Overview of the Recent Advancements in Cardiac Surgery](#)  
*Mathieu Rheault-Henry*
- [Prevalance of Transthyretin Cardiac Amyloidosis in Hearth Failure with Preserved Ejection Fraction, Left Ventricular Hypertrophy and Red Flag Manifestations](#)  
*Mariano Napoli*

## Theme 3 – Indigenous People’s Health

- [Identifying Cervical Cancer as a Wicked Problem Among Indigenous Women in Canada: A Scoping Review](#)  
*Emma Mensour, Shintha Alam and Seliya Mawani*

## Theme 4 – Health Services, Population and Public Health

- [Staffing rural emergency departments: the who, what and where](#)  
*David Savage*
- [A Novel Walk-in Clinic Treatment Intervention for Children and Youth Presenting with Anxiety and Depression \(with virtual application\)](#)  
*Jazlyn McGuinty*

## Theme 5 – Medical and Health Education

- [Undergraduate Nursing Students’ Experiences of Northern, Rural, and Remote Indigenous Communities](#)  
*Rachelle Breen*
- [Self-Compassion for Learners and Faculty at NOSM: A Wellness Initiative](#)  
*Sarah Hunt*
- [“Learner evaluations: What did we find?” Impact of a CEPD educational quality improvement initiative](#)  
*Clare Cook and James Goertzen*
- [Blue Lakes and Rocky Shores: mapping a route for distributed research hubs in Northern Ontario. A trip planning guide by CFSA, NORTHH, MERLIN, Huntsville Physicians LEG](#)  
*Barb Zelek*
- [Operation Remote Immunity: Exploring the impact of a service-learning elective in remote Indigenous communities](#)  
*Hannah Mikhail*

### Theme 6 – Environment and Health

- [Characterization of growth restriction following exposure to ionizing radiation during development in BALB/c mice](#)  
*Shayen Sreetharan*
- [Natural Antioxidant Potential of Bioprospected Green Microalgae from Northern Ontario Water Bodies](#)  
*Jason Corcoran*
- [Radiation-induced alterations in proliferation, migration, and adhesion in lens epithelial cells and implications for cataract development](#)  
*Graysen Vigneux*

### Theme 7 – Biomolecular Sciences

- [Neutrophils: necessary networking cells in host defense against Haemophilus influenzae](#)  
*Courtney Ferris*