

# WELCOME TO



## 2022 HEALTH RESEARCH CONFERENCE

*A forum to showcase, connect, and strengthen  
health research excellence.*

**November 11th & 12th, 2022**

**St. Clair Centre for the Arts**

**Windsor, ON**

**[www.wesparkhealth.com](http://www.wesparkhealth.com)**

**#YQGHealthResearchConference**



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# WELCOME

Thank you for joining us for the **2022 Health Research Conference**. Our conference is the first of its kind held in Windsor-Essex (Ontario, Canada). Guest speakers and presenters include a diverse group of researchers, clinicians, students, and community partners representing a wide range of health research areas. We are thrilled that you are here with us to showcase, connect, and strengthen health research excellence. Welcome!

## About the Venue

Our conference is taking place in the Skyline Alumni Ballrooms A & B (2nd floor), International Ballroom (4th floor), and Room 404 (4th floor) of the St. Clair Centre for the Arts. In addition to signalled accessible entrances, the conference venue has a terrace located on the fourth floor and a multifaith space located on the third floor. Connect with a conference volunteer if you require support to find any of these locations.

## COVID-19 Policy & Code of Conduct

We aim to provide an in-person conference experience that has the health and safety of all participants at the centre of our planning. To reduce the risk of transmission of COVID-19, we ask you to read carefully and follow the measures noted [here](#). At the same time, our [Code of Conduct](#) seeks to contribute to a harmonious experience for all. We acknowledge that it constitutes a work in progress, open to continuous feedback from our community. Please, contact us at [wesparkconference@uwindsor.ca](mailto:wesparkconference@uwindsor.ca) for any suggestions you may have.

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**#YQGHealthResearchConference**

## ABOUT WE-SPARK HEALTH INSTITUTE

WE-SPARK Health Institute is an innovative partnership supported by Hôtel-Dieu Grace Healthcare, St. Clair College, University of Windsor, and Windsor Regional Hospital that brings together health research strengths, expertise, and infrastructure from across the Windsor-Essex region of Ontario, Canada. We are establishing research pipelines to address pressing health issues, advancing discovery, innovation and technology, training and promoting excellence among our health professionals, and engaging our community.

**Mission:** Enhance the health, wellbeing, and care of people through transformative research and knowledge translation.

**Vision:** A thriving and engaged research community driving advancements in health.

Our strategic priorities can be found on [our website](#).

In **Year 4**, we look forward to continuing igniting local health research and reaching new heights!

## LAND ACKNOWLEDGEMENT

WE-SPARK Health Institute is physically located on land and surrounded by water honoured by the Wampum Treaty; agreements between the Anishinaabe, Haudenosaunee, Leni, Lenape, and allied Nations to peacefully share and care for the resources around the Great Lakes.

We acknowledge the presence of the People of the Three Fires Confederacy (Ojibwe, Odawa, Potawatomi and Huron/Wendat) and the importance of reconciliation. Health research, care and training benefit from a deep appreciation of the past and present healing practises of Indigenous people. WE-SPARK recognizes the urgency for all areas of health to meet the needs of the Indigenous communities across Canada. As such, we are dedicated to meaningful consultation, building respectful relationships and the continued learning and education required for positive action toward reconciliation.

# SCHEDULE OVERVIEW

## DAY 1: FRIDAY, NOVEMBER 11

Alumni Skyline A & B (2<sup>nd</sup> floor) and Room 404

12:00pm	Registration	LOBBY
1:00pm	Welcome/Opening Remarks	SKYLINE B
1:15pm	Keynote Address: <b>Dr. Molly Shoichet</b> University of Toronto - <b>"Making it Real: From Research to Reality"</b>	SKYLINE B
2:00pm	Rapid-Fire Session	SKYLINE B
2:30pm	Break ( <i>refreshments available</i> )	SKYLINE B
2:50pm	Plenary Session	SKYLINE B
4:15pm	A Personal Story: <b>Captain (Retired) Mary Ann Barber</b>	SKYLINE B
4:30pm	Poster Session & Networking	SKYLINE A
6:30pm	End of Day One & Start of SWORP Mixer*	ROOM 404

\*For Schulich med students and faculty members with submitted SWORP project titles.

## DAY 2: SATURDAY, NOVEMBER 12

Alumni Skyline (2<sup>nd</sup> floor) & International Ballroom (4<sup>th</sup> floor)

9:00am	Registration and light breakfast	SKYLINE B
10:00am	Welcome/Opening Remarks	SKYLINE B
10:15am	A Patient's Perspective: <b>Freda Carter</b>	SKYLINE B
10:30am	Keynote Address: <b>Dr. Steven A Narod</b> Women's College Hospital - <b>"Three Interesting Things about Breast Cancer"</b>	SKYLINE B
11:30am	Concurrent Session A: <b>Health &amp; Wellness of Healthcare Professionals</b>	INTL. BALLROOM
	Concurrent Session B: <b>Innovative Approaches to Detection, Screening, &amp; Treatment</b>	INTL. BALLROOM
12:45pm	Lunch	SKYLINE B
2:00pm	Concurrent Session C: <b>Multi-disciplinary Approaches to Cancer Research</b>	INTL. BALLROOM
	Concurrent Session D: <b>Solutions to Health Care Challenges</b>	INTL. BALLROOM
3:30pm	Joint session: <b>Dr. Catherine M. Febria</b> <b>"The Heartbeat of Ecosystems: Connecting Diverse Ways of Knowing and Doing to Heal our Freshwater Ecosystems"</b>	SKYLINE B
4:00pm	Closing Ceremony: Awards & Closing Remarks	SKYLINE B

## KEYNOTE SPEAKERS



**Molly Shoichet, PhD, O.C., O. Ont., FRS**

University of Toronto

Keynote Address:

***“Making it Real: From Research to Reality”***  
**Friday, November 11<sup>th</sup> at 1:15pm.**

Professor Molly Shoichet is University Professor, a distinction held by less than 2% of the faculty at the University of Toronto and Michael E Charles Professor of Chemical Engineering. She served as Ontario's first Chief Scientist in 2018. Her research is focused on engineering strategies to regenerate the brain and model cancer.

Dr. Shoichet has co-founded four spin-off companies and is actively engaged in translational research and science outreach. She has won numerous awards, including the top prize in science in Canada, the Herzberg Gold Medal (in 2020), and the Margolese National Brain Disorders Prize.



**Steven Narod, MD, PhD (hon), FRCPC, FRSC, CAHS**

Women's College Hospital

Keynote Address:

***“Three Interesting Things About Breast Cancer”***

**Saturday, November 12<sup>th</sup> at 10:30am.**

Dr. Steven A Narod is a clinician and scientist at Women's College Hospital, where he has led the Familial Breast Cancer Research Unit for the past 25 years. He is working to reduce mortality from breast cancer in women with mutations in BRCA1, BRCA2, CHEK2 and PALB2. He is also striving to define the early stages of breast cancer and understand how cancer spreads.

## PLENARY: PRESENTERS



**Dr. Ibukun Abejirinde**

Women's College Research Institute

*“Enhancing cross-border learning on digital health and the Quintuple Aim: The Pan-Canadian Framework for Digital Health Evaluation”*



**Neelu Sehgal**

Erie Shores HealthCare

*“From Uncertainty to Unity: An Innovative approach to delivering health care”*



**Dr. Charlene Senn**

University of Windsor

*“One tool for reducing sexual violence: The evidence-based Flip the Script with EAAATM program”*



**Dr. Juliet Daniel**

McMaster University

*“Dances of the Cure-abbean: Kaiso and breast cancer disparities in Black women”*

## JOINT SESSION: PRESENTER



**Dr. Catherine M. Febria**

***“The Heartbeat of Ecosystems: Connecting Diverse Ways of Knowing and Doing to Heal our Freshwater Ecosystems”***

Saturday, November 12<sup>th</sup> at 3:30pm.

Dr. Febria draws on diverse ways of knowing – including medical health approaches – to inform local and global work on ecosystem restoration. From meta-analyses to concepts of One Health and “River Doctors”, restoration ecology benefits from medical health research. Likewise, Dr. Febria will share how her team engages local and Indigenous knowledge holders to understand, centre and promote community-based research and practice to overcome societal and ecological barriers as we enter the UN Decade of Ecosystem Restoration (2021-2030).



# THE IMPACT OF RESEARCH: PERSPECTIVES

## **Captain (Retired) Mary Ann Barber**

A Personal Story

Friday, November 11<sup>th</sup> at 4:15pm.



Mary Ann Barber began her nursing career in 1996 and joined the Canadian Armed Forces in 1997. She deployed to several places, including Bosnia-Herzegovina and Afghanistan. After 21 years of service, she retired from military service and completed her Master of Nursing program from Athabasca University.

Since then, Mary Ann has worked in various clinics in Canada. She currently works in remote nursing stations in Nunavut, in the Baffin Island region (Vernon, British Columbia), at the Urgent Primary Care Centre. She also completes locums for Interior Health in the varying communities in BC and remains a passionate advocate for veterans and for PTSD awareness.

## **Freda Carter**

A Patient's Perspective

Saturday, November 12<sup>th</sup> at 10:15am.

During a yearly routine checkup, Freda's doctor was concerned with her elevated white blood cell count. That led to many more visits and, eventually, a cancer diagnosis: Chronic Myeloid Leukemia (CML). Fortunately, the cancer was caught early enough, and Freda responded well to treatment—her cancer has been undetectable for the past 14 years. She is grateful to her doctor and healthcare team and the treatments available. "I keep a positive mindset, which also contributes to my healing. I wake up every morning being grateful to have one more day in my life."

*Photo: Windsor Cancer Centre Foundation*



# DETAILED SCHEDULE

## DAY 1

Friday, November 11, 2022		
1:00pm	<p>Welcome/Opening Remarks Presented by: <b>Dr. Lisa Porter</b> – Executive Director, WE-SPARK Health Institute</p>	SKYLINE B
1:15pm	<p><b>Keynote Address</b> <b>Dr. Molly Shoichet</b> – Professor, University of Toronto <b>“Making it Real: From Research to Reality”</b></p>	SKYLINE B
2:00pm	<p><b>Rapid-Fire Session</b> Moderator: <b>Dr. Devinder Moudgil</b></p> <p>Abstract O01 MONTE CARLO SIMULATION DESIGN OF AN ACCELERATOR-BASED NEUTRON SOURCE BEAM SHAPING ASSEMBLY SUITABLE FOR BNCT TREATMENTS <b>Dominik Dziura</b> Presenter Affiliation: University of Windsor</p> <p>Abstract O02 ADDRESSING CHILD LITERACY CONCERNS IN WINDSOR ESSEX COUNTY THROUGH A PLACE-AND-EQUITY BASED CRADLE-TO-CAREER APPROACH <b>Caitlyn Massad</b> Presenter Affiliation: St. Clair College</p> <p>Abstract O03 DISSECTING THE ROLE OF TUBERIN IN THE SUBCELLULAR LOCALIZATION OF THE G2/M CYCLIN, CYCLIN B1 <b>Adam Pillon</b> Presenter Affiliation: University of Windsor</p> <p>Abstract O04 CLINICAL TRIALS NAVIGATOR <b>Mahmoud Hossami &amp; Rhonda Abdel-Nabi</b> Presenter Affiliation: University of Windsor</p> <p>Abstract O05 KAISO, INTESTINAL INFLAMMATION AND TUMORIGENESIS <b>Lindyann R. Lessey</b> Presenter Affiliation: McMaster University</p>	SKYLINE B

	<p>Abstract O06  INFERIOR VENA CAVA FILTER USE AT A LARGE COMMUNITY HOSPITAL: A CROSS-SECTIONAL ANALYSIS  <b>Samantha Bolger</b>  Presenter Affiliation: Schulich School of Medicine &amp; Dentistry</p> <p>Abstract O07  ZOOM FATIGUE DETECTION USING WEBCAM-BASED EYE-TRACKING  <b>Prarthana Pillai</b>  Presenter Affiliation: University of Windsor</p> <p>Abstract O08  NURSES' EXPERIENCE OF PATIENT AND FAMILY-CENTERED ROUNDS IN THE INTENSIVE CARE UNIT  <b>Kaitlyn Sheehan</b>  Presenter Affiliation: University of Windsor</p> <p>Abstract O09  RETROSPECTIVE CHART REVIEW TO IDENTIFY BASELINE DATA IN PATIENTS WHO ARE AT RISK FOR SUBSTANCE ABUSE  <b>Zayya Zendo</b>  Presenter Affiliation: Schulich School of Medicine &amp; Dentistry</p>	
2:30pm	<b>Break</b>	<b>SKYLINE B</b>
2:50pm	<p><b>Plenary Session</b>  <b>Moderator:</b> Dr. Trevor Shepherd, Translational Oncology Scientist, London Regional Cancer Program</p> <p><b>“Enhancing cross-border learning on digital health and the Quintuple Aim: The Pan-Canadian Framework for Digital Health Evaluation”</b>  <b>Dr. Ibukun Abejirinde</b>  Presenter Affiliation: Women’s College Research Institute</p> <p><b>“From Uncertainty to Unity: An Innovative approach to delivering health care”</b>  <b>Neelu Sehgal</b>  Presenter Affiliation: Erie Shores HealthCare</p> <p><b>“Dances of the Cure-abbean: Kaiso and breast cancer disparities in Black women”</b>  <b>Dr. Juliet Daniel</b>  Presenter Affiliation: McMaster University</p>	<b>SKYLINE B</b>

	<p><b>“One tool for reducing sexual violence: The evidence-based Flip the Script with EAAATM program”</b>  <b>Dr. Charlene Senn</b>  Presenter Affiliation: University of Windsor</p>	
4:15pm	A Personal Story: <b>Captain (Retired) Mary Ann Barber</b>	<b>SKYLINE B</b>
4:30pm	<p><b>Poster Session &amp; Networking</b></p> <p>Abstract P01  INVESTIGATING THE INTERACTION BETWEEN KAISO AND TGF-BETA SIGNALING IN TNBC PROGRESSION AND METASTASIS  <b>Hanad Adan</b>  Presenter Affiliation: McMaster University</p> <p>Abstract P02  WINDSOR ARITHMETIC COGNITION TEST (WACT): USING ARITHMETIC ABILITY TO TRACK CLINICAL RECOVERY IN TRAUMATIC BRAIN INJURY  <b>Retage Al Bader</b>  Presenter Affiliation: Schulich School of Medicine &amp; Dentistry</p> <p>Abstract P03  PERCEPTIONS OF CANADIAN RADIATION ONCOLOGISTS AND MEDICAL PHYSICISTS ABOUT THE FEASIBILITY AND NEED OF BORON NEUTRON CAPTURE THERAPY (BNCT) IN CANADA: A NATIONAL SURVEY  <b>Retage Al Bader</b>  Presenter Affiliation: Schulich School of Medicine &amp; Dentistry</p> <p>Abstract P04  CINE-LOOP ULTRASOUND CHANGES IN CHRONIC LOW BACK PAIN PATIENTS  <b>Luigi Albano</b>  Presenter Affiliation: Walkerville Chiropractic</p> <p>Abstract P05  OPTIMIZATION AND VALIDATION OF PATIENT-DERIVED MULTIPLE MYELOMA PLATFORM TO STUDY EFFECTIVE THERAPY APPROACHES  <b>Jodie Al-Dandachi</b>  Presenter Affiliation: University of Windsor</p> <p>Abstract P06  THE ROLE OF NKR-P1A RECEPTOR IN INNATE IMMUNITY AGAINST CYTOMEGALOVIRUS  <b>Mohamad Basem</b>  Presenter Affiliation: University of Windsor</p> <p>Abstract P07  THE INHIBITORY NKR-P1B RECEPTOR REGULATES NK CELL-MEDIATED MAMMARY TUMOUR IMMUNOSURVEILLANCE IN MICE</p>	<b>SKYLINE A</b>

**Karla Alnajm**

Presenter Affiliation: University of Windsor

Abstract P08

REAL WORLD EXPERIENCE: STOPPING STUDY IN CHRONIC MYELOID LEUKEMIA – DEFINING A NEW PARADIGM FOR ONTARIO CML1

**Waffa Bakheet & Siri Ravipati**

Presenter Affiliation: University of Windsor

Abstract P09

CYCLIN-LIKE PROTEIN SUPPRESSES NEURAL DIFFERENTIATION, INCREASES SELF-RENEWAL, AND COOPERATES WITH ABERRANT REGULATION IN NEURAL STEM CELLS

**Emmanuel Boujeke**

Presenter Affiliation: University of Windsor

Abstract P10

ELUCIDATING THE LINK BETWEEN THE ROLE OF SPY1 IN NSCS AND BRAIN CANCER

**Jillian Brown**

Presenter Affiliation: University of Windsor

Abstract P11

COMPARATIVE STUDIES ON THE STRUCTURE, FUNCTION AND INHIBITION OF REPLICATION ENZYMES FROM SARS COV-2 AND HUMAN NOROVIRUS

**Lucas E. Campo Diaz**

Presenter Affiliation: University of Windsor

Abstract P12

AN OBSERVATION OF DEMOGRAPHIC CHARACTERISTICS DURING RECRUITMENT OF A BIRTH COHORT STUDY IN METRO DETROIT

**Veronica Chacko**

Presenter Affiliation: Henry Ford Health

Abstract P13

EXPLORING PRINCIPLES OF THE INTERPLAY BETWEEN TUMOUR INITIATING CELLS AND THE ENDOTHELIAL COMPONENT TOWARDS ADVANCED THERAPIES AGAINST GLIOBLASTOMA

**Alan Cieslukowski**

Presenter Affiliation: University of Windsor

Abstract P14

THE ROLE OF DISCLOSURE AND SOCIAL SUPPORT ON QUALITY OF LIFE IN WOMEN WITH POLYCYSTIC OVARY SYNDROME

**Noelle Citron**

Presenter Affiliation: University of Windsor

Abstract P15  
IDENTIFYING PROGRESSION PREDICTORS TO MUSCLE INVASIVE BLADDER  
CANCER

**Jocelyne Cyrenne**

Presenter Affiliation: University of Windsor

Abstract P16  
ASSESSING BURNOUT AND PROFESSIONAL FULFILLMENT IN A REGIONAL  
COMMUNITY HOSPITAL

**Advait Desai**

Presenter Affiliation: Schulich School of Medicine & Dentistry

Abstract P17  
MONTE CARLO SIMULATION DESIGN OF AN ACCELERATOR-BASED  
NEUTRON SOURCE BEAM SHAPING ASSEMBLY SUITABLE FOR BNCT  
TREATMENTS

**Dominik Dziura**

Presenter Affiliation: University of Windsor

Abstract P18  
DESIGNING A HEALTHCARE CHATBOT TO EDUCATE USERS ON THEIR  
INDIVIDUALIZED COVID-19 SYMPTOMS RISKS

**Lauren Elliott**

Presenter Affiliation: Audacia Bioscience

Abstract P19  
EFFECT OF A GAME-BASED INTERVENTION ON UNDERGRADUATE NURSING  
STUDENTS' MASTERY OF DISASTER MANAGEMENT PRINCIPLES: A MIXED-  
METHODS STUDY

**Rachel Elliott**

Presenter Affiliation: University of Windsor

Abstract P20  
USING AN EQUITY WALK TO CREATE INCLUSIVE LEARNING ENVIRONMENTS  
FOR UNDERGRADUATE NURSING STUDENTS: A PARTICIPATORY ACTION  
PROJECT

**Rachel Elliott**

Presenter Affiliation: University of Windsor

Abstract P21  
OUTCOMES AND CHARACTERISTICS OF COVID-19 PATIENTS ADMITTED TO  
WINDSOR REGIONAL HOSPITAL AND POST COVID-19 SEQUELAE: A SINGLE  
INSTITUTION EXPERIENCE

**Mohamed Farjalla**

Presenter Affiliation: University of Windsor

Abstract P22  
IDENTIFYING A UNIQUE BARRIER TO CANCER PATIENT CLINICAL TRIAL

ENROLMENT IN COMMUNITY-BASED HOSPITALS

**Melissa Fenech**

Presenter Affiliation: University of Windsor

Abstract P23

TRANSFORMATIONAL LEADERSHIP AND RETENTION OF NURSES: AN INTEGRATIVE REVIEW

**Becky Goens**

Presenter Affiliation: University of Windsor

Abstract P24

CALCINOSIS CUTIS MASQUERADING AS IMBRUVICA RASH

**Pratham Gupta**

Presenter Affiliation: Western University

Abstract P25

SPY1 AS A NOVEL CELL CYCLE TARGET AGAINST MEDULLOBLASTOMA

**Philip Habashy**

Presenter Affiliation: University of Windsor

Abstract P26

MENTAL HEALTH LITERACY IN ADOLESCENCE: A SCOPING REVIEW OF SCHOOL-BASED SURVEYS ON STUDENTS

**Lindsay Heyland**

Presenter Affiliation: Mount Saint Vincent University

Abstract P27

FROM LAB-ON-A-CHIP TO LAB-IN-THE-BODY: ENHANCING THE BIOCOMPATIBILITY OF BIOSENSORS IN POINT-OF-CARE DIAGNOSTICS

**Anita Hu**

Presenter Affiliation: University of Windsor

Abstract P28

REGULATION OF NATURAL KILLER CELL RESPONSES BY MYELOID-DERIVED SUPPRESSOR CELLS IN MOUSE MAMMARY TUMOURS

**Mary Ibrahim**

Presenter Affiliation: University of Windsor

Abstract P29

SUPERVISED CONSUMPTION SITES: A STRATEGY TO OVERCOME THE OPIOID CRISIS IN ONTARIO, CANADA

**Aleksandra Ilievska**

Presenter Affiliation: University of Windsor

Abstract P30

A PRELIMINARY INVESTIGATION OF TIME DYSPERCEPTION POST-CONCUSSION

**Kassandra Korcsog**

Presenter Affiliation: University of Windsor

Abstract P31

THE ROLE OF CELL CYCLE MEDIATORS IN THE PROGRESSION OF NON-ALCOHOLIC STEATOHEPATITIS IN MALE AND FEMALE MURINE MODELS

**Amy Llancari**

Presenter Affiliation: University of Windsor

Abstract P32

REGULATION OF THE CELL SURVIVAL PHOSPHATASE HYVH1 BY THE TYROSINE KINASE SRC

**Griffin Lotze**

Presenter Affiliation: University of Windsor

Abstract P33

POTENTIAL OF GLIOMA ORGANOIDS APPLICATION IN UNCOVERING THE COMPLEXITY OF BRAIN TUMOURS AND DISCOVERY OF NOVEL THERAPY APPROACHES

**Hema Priya Mahendran**

Presenter Affiliation: University of Windsor

Abstract P34

VIRTUAL VISITS VS. IN PERSON VISITS?

**Aparna Maheshwari**

Presenter Affiliation: McMaster University

Abstract P35

A SWITCHABLE AFFINITY STREPTAVIDIN MUTANT FOR THE PURIFICATION OF BIOMOLECULES

**Jesse Marangoni**

Presenter Affiliation: University of Windsor

Abstract P36

ADDRESSING CHILD LITERACY CONCERNS IN WINDSOR-ESSEX COUNTY THROUGH A PLACE-AND-EQUITY BASED CRADLE-TO-CAREER APPROACH

**Caitlyn Massad**

Presenter Affiliation: St. Clair College

Abstract P37

AI-BASED INFORMATION MANAGEMENT SYSTEM FOR COMMUNITY-BASED PALLIATIVE CARE SYSTEMS

**Laila Albalkhi & Lidia Kojic**

Presenter Affiliation: University of Windsor

Abstract P38

AN APPLICATION OF CRISPR/CAS9 TECHNOLOGY: FLUORESCENTLY TAGGING ENDOGENOUS TUBERIN AIDS IN DISSECTING ITS ROLE IN CELL CYCLE



REGULATION

**Ali Nadi**

Presenter Affiliation: University of Windsor

Abstract P39

THE ASSOCIATION OF INTERNALIZING PSYCHOPATHOLOGY WITH EMOTION DYNAMICS

**Andrew Nguyen**

Presenter Affiliation: Schulich School of Medicine & Dentistry

Abstract P40

UNDERSTANDING THE IMPACT OF THE COVID-19 PANDEMIC ON CHILD DEVELOPMENT COMPARED TO ESTABLISHED AGE-MATCHED STANDARDS

**Megan Noble**

Presenter Affiliation: Schulich School of Medicine & Dentistry

Abstract P41

PREVENTING THE SPREAD OF COVID-19 THROUGH EDUCATION: UNIVERSITY STUDENTS' VACCINATION CONFIDENCE, PERCEIVED EFFICACY OF REGULAR, ON-CAMPUS SCREENING EFFORTS

**Ryan Palazzolo & Aya El-Hashemi**

Presenter Affiliation: University of Windsor

Abstract P42

HAS VMAT IMPROVED THE OUTCOME OF LOCALLY ADVANCED HEAD AND NECK SQUAMOUS CELL CARCINOMA COMPARING TO IMRT IN THE LAST DECADE?

**Ming Pan**

Presenter Affiliation: Windsor Regional Hospital

Abstract P43

HYPOFRACTIONATED STEREOTACTIC RADIOTHERAPY FOR OLIGO BRAIN METASTASIS IN WINDSOR REGIONAL HOSPITAL CANCER PROGRAM

**Ming Pan**

Presenter Affiliation: Windsor Regional Hospital

Abstract P44

CRITICAL ANALYSIS OF CANCER CLINICAL TRIAL SEARCH ENGINES

**Milica Paunic**

Presenter Affiliation: University of Windsor

Abstract P45

DISSECTING THE ROLE OF TUBERIN IN THE SUBCELLULAR LOCALIZATION OF THE G2/M CYCLIN, CYCLIN B1

**Adam Pillon**

Presenter Affiliation: University of Windsor

Abstract P46  
DEVELOPING A PLATFORM TO DISCOVER NOVEL ANTIVIRAL THERAPEUTICS FOR COVID-19 TARGETING THE SARS COV-2 POLYMERASE COMPLEX

**Ana M Podadera Gonzalez**

Presenter Affiliation: University of Windsor

Abstract P47  
COMPARISON OF HEPATIC GENE EXPRESS PROFILES BETWEEN CIRRHOTIC AND NON-CIRRHOTIC HEPATOCELLULAR CARCINOMA

**Mahsa Rahimi**

Presenter Affiliation: University of Windsor

Abstract P48  
PATIENTS AS PARTNERS: PERSPECTIVES ON ENGAGEMENT

**Ashley Rapp**

Presenter Affiliation: Henry Ford Health

Abstract P49  
EXAMINATION OF CURRENT STATUS OF CROSS-PROVINCIAL BORDER ACCESS FOR CLINICAL TRIALS FOR CANCER PATIENTS

**Sanghyuk Claire Rim**

Presenter Affiliation: Schulich School of Medicine & Dentistry

Abstract P50  
THE FUNCTIONALITY OF SOUND ON WELLNESS OF TEACHERS AND STUDENTS IN OUTDOOR CLASSROOMS

**Loretta Sbrocca**

Presenter Affiliation: University of Windsor

Abstract P51  
"I TOLD MYSELF, 'I'LL FIX IT LATER'": TRANSITION-AGED YOUTH'S STORIED EXPERIENCES OF MENTAL HEALTH AND HELP-SEEKING DURING THE COVID-19 PANDEMIC

**Jesse Scott**

Presenter Affiliation: University of Windsor

Abstract P52  
NURSES' EXPERIENCE OF PATIENT AND FAMILY-CENTERED ROUNDS IN THE INTENSIVE CARE UNIT

**Kaitlyn Sheehan**

Presenter Affiliation: University of Windsor

Abstract P53  
BREAKING THE CYCLE: EMPOWERING AND EDUCATING NURSING STUDENTS TO INTERVENE IN THE POVERTY LANDSCAPE

**Hali Sitarz**

Presenter Affiliation: St. Clair College

	<p>Abstract P54  CONTROL OF STEMNESS IN GLIOMA VIA NANOPARTICLE-MEDIATED  REGULATION OF CD44 RECEPTOR  <b>Alexandra Sorge</b>  Presenter Affiliation: University of Windsor</p> <p>Abstract P55  QUALITATIVE ANALYSIS HEALTHCARE EXPERIENCE OF CRITICALLY ILL  MIGRANT WORKERS IN WINDSOR-ESSEX COUNTY  <b>Dhuvaraha Srikrishnaraj &amp; Genesis Flores</b>  Presenter Affiliation: Schulich School of Medicine &amp; Dentistry</p> <p>Abstract P56  DESIGN AND DEVELOPMENT OF A VOLATILE ORGANIC COMPOUND  CONCENTRATOR AUTOMATED TEST APPARTUS (VOCCATA)  <b>Dora Strelkova</b>  Presenter Affiliation: University of Windsor</p> <p>Abstract P57  CLINICAL TRIAL AVAILABILITY: AN ANALYSIS OF LIMITED CLINICAL TRIAL  OPTIONS FOR CANCER PATIENTS IN ONTARIO  <b>Kayla Touma</b>  Presenter Affiliation: University of Windsor</p> <p>Abstract P58  NURSE PERSPECTIVES ON FAMILY-CENTRED ROUNDS IN ADULT CRITICAL  CARE UNITS  <b>Felicia Varacalli</b>  Presenter Affiliation: University of Windsor</p> <p>Abstract P59  ROLE OF THE ATYPICAL CYCLIN-LIKE PROTEIN SPY1 IN OVERRIDING  PROTECTIVE CHECKPOINTS IN THE TRANSITION TO BREAST ONCOGENESIS  <b>Tiana Visconti</b>  Presenter Affiliation: University of Windsor</p> <p>Abstract P60  RISKS FOR RE-ENROLLMENT TO CARDIAC REHABILITATION: A  RETROSPECTIVE STUDY OF ONTARIO-BASED CARDIAC REHABILITATION  PROGRAMS  <b>Leslee Ward</b>  Presenter Affiliation: University of Windsor</p> <p>Abstract P61  STUDY OF DISTRESS, BURNOUT, COPING STRATEGIES AND WELLNESS  AMONGST MEDICAL STUDENTS AT THE SCHULICH SCHOOL OF MEDICINE &amp;  DENTISTRY, WESTERN UNIVERSITY</p>	
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	<p><b>Kenan Kassas</b> Presenter Affiliation: University of Windsor</p> <p>Abstract P62 CRITICAL ILLNESS IN MIGRANT WORKERS IN THE WINDSOR-ESSEX REGION <b>Alex Zhou &amp; Abdelhady Osman</b> Presenter Affiliation: Schulich School of Medicine &amp; Dentistry</p> <p>Abstract P63 BARRIER NORMALIZATION: MAINTAINING INACCESSIBLE ENVIRONMENTS <b>Megan Thorne</b> Presenter Affiliation: University of Windsor</p> <p>Abstract P64 EXPLORING THE ADOPTION OF ADJUVANT T-DM1 FOR RESIDUAL DISEASE FOLLOWING NEOADJUVANT CHEMOTHERAPY IN HER2+ POSITIVE BREAST CANCER – A SINGLE INSTITUTION REVIEW <b>Dhuvaraha Srikrishnaraj</b> Presenter Affiliation: Schulich School of Medicine &amp; Dentistry</p> <p>Abstract P65 PREPARATION OF AN ARMORED RNA AS A REFERENCE MATERIAL FOR PCR DETECTION OF COMMON SEASONAL VIRUSES <b>Farinaz Ziaee</b> Presenter Affiliation: University of Windsor</p> <p>Abstract P66 GOT SPIT? DEVELOPING A SCREENING PLATFORM TO MONITOR COVID-19 <b>Jackie Fong &amp; Brayden Labute</b> Presenter Affiliation: University of Windsor</p> <p>ABSTRACT P67 CLINICAL TRIALS NAVIGATOR <b>Mahmoud Hossami &amp; Rhonda Abdel-Nabi</b> Presenter Affiliation: University of Windsor</p>	
6:30pm	<p>End of Day One &amp; Start of SWORP Mixer* <i>*For Schulich med students and faculty members with submitted SWORP project titles.</i></p>	<b>ROOM 404</b>

## DAY 2

<b>Saturday, November 12, 2022</b>		
10:00am	Welcome/Opening Remarks Presented by: <b>Dr. Lisa Porter</b> – Executive Director, WE-SPARK Health Institute	<b>SKYLINE B</b>
10:15am	A Patient's Perspective: <b>Freda Carter</b>	<b>SKYLINE B</b>
10:30am	Keynote Address: <b>Dr. Steven A Narod</b> Clinician and researcher, Women's College Hospital <b>"Three Interesting Things about Breast Cancer"</b>	<b>SKYLINE B</b>
11:30am	<p><b>Concurrent Session A: Health &amp; Wellness of Healthcare Professionals</b> <b>Moderator:</b> Alison Murray, Hotel-Dieu Grace Healthcare</p> <p>Abstract 010 BURNOUT AND PROFESSIONAL FULFILLMENT IN A REGIONAL COMMUNITY HOSPITAL IN CANADA <b>Dr. Rasna Gupta</b> Presenter Affiliation: Windsor Regional Hospital</p> <p>Abstract 011 RELATIONAL VARIABLES IMPACTING THE HEALTH CARE TEAM <b>Linda MacDougall</b> Presenter Affiliation: St. Clair College</p> <p>Abstract 012 THE IMPACT OF ADDRESS FLAGGING ON VIOLENCE EXPERIENCED BY PARAMEDICS <b>Robert Bradford</b> Presenter Affiliation: University of Windsor</p> <p>Abstract 013 CAUTION! MAY CAUSE SIDE EFFECTS: A SCOPING REVIEW ON THE CONSEQUENCES OF COVID-19 VACCINE HESITANCY IN HEALTHCARE PROVIDERS <b>Caitlyn Wilpstra</b> Presenter Affiliation: University of Windsor</p> <p>Abstract 014 "RUNNING ON EMPTY": CROSS-BORDER NURSES' EXPERIENCES WORKING IN HOSPITALS AFTER ONE YEAR OF THE COVID-19 PANDEMIC <b>Dr. Dana Menard</b> Presenter Affiliation: University of Windsor</p>	<b>INTERNATIONAL BALLROOM</b>

	<p><b>Concurrent Session B:</b>  <b>Innovative Approaches to Detection, Screening, and Treatment</b>  <b>Moderator:</b> Dr. Kenneth Ng, University of Windsor</p> <p>Abstract 015  NORMAL MAMMARY DEVELOPMENT AND BREAST CANCER SUSCEPTIBILITY:  THE ROLE OF SPY1 DURING INVOLUTION  <b>Isabelle Hinch</b>  Presenter Affiliation: University of Windsor</p> <p>Abstract 016  CINE-LOOP ULTRASOUND CHANGES IN CHRONIC LOW BACK PAIN PATIENTS  <b>Dr. Luigi Albano</b>  Presenter Affiliation: Walkerville Chiropractic</p> <p>Abstract 017  PREVENTING AN OUTBREAK OF COVID-19 ON A UNIVERSITY CAMPUS USING  WASTEWATER SURVEILLANCE  <b>Ryland Corchis-Scott</b>  Presenter Affiliation: University of Windsor</p> <p>Abstract 018  POSTOPERATIVE OUTCOMES ASSOCIATED WITH PERIOPERATIVE STEROIDS  IN THE SURGICAL TREATMENT OF MALIGNANT BRAIN TUMOURS  <b>Nicholas James</b>  Presenter Affiliation: University of Western Ontario</p> <p>Abstract 019  IDENTIFICATION OF OPTIMAL CARBOPLATIN CONTAINING REGIMEN FOR  TRIPLE NEGATIVE BREAST CANCER  <b>Sanghyuk Claire Rim &amp; Geoffrey Rempel</b>  Presenter Affiliation: University of Western Ontario</p>	
12:45pm.	<b>Lunch</b>	<b>SKYLINE B</b>
2:00pm.	<p><b>Concurrent Session C: Multi-Disciplinary Approaches to Cancer Research</b>  <b>Moderator:</b> Dr. Sindu Kanjeekal, Windsor Regional Hospital</p> <p>Abstract 020  INVESTIGATING THE ROLE OF THE NON-CANONICAL CYCLIN-LIKE PROTEIN  SPY1 IN REGULATING THE BREAST CANCER STEM CELL (BCSC) POPULATION  AND SUSCEPTIBILITY TO RELAPSE IN TRIPLE N  <b>Nick Philbin</b>  Presenter Affiliation: University of Windsor</p>	<b>INTERNATIONAL BALLROOM</b>

Abstract 021  
MODULATING PHYSICOCHEMICAL PROPERTIES AND RATIONAL DESIGN OF SEMICONDUCTING CONJUGATED POLYMER NANOPARTICLES TO ENHANCE GLIOBLASTOMA TARGETED THERAPY  
**Khalilrahman Dehviri**  
Presenter Affiliation: University of Windsor

Abstract 022  
EVALUATION OF AN EXTERNALLY TRAINED DEEP LEARNING-BASED AUTO-SEGMENTATION SOFTWARE IN THE PROCESS OF AI-ASSISTED RADIATION TREATMENT PLANNING FOR THORACIC CANCERS  
**Dr. Ming Pan**  
Presenter Affiliation: Windsor Regional Hospital

Abstract 023  
MULTIFACETED REGULATION OF THE DEUBIQUITINASE USP8  
**Cody Caba**  
Presenter Affiliation: University of Windsor

Abstract 024  
ULTRA-FAST CLASSIFICATION OF CANCER MUTATIONAL SIGNATURES USING IN-SILICO MUTATIONAL SIGNATURE SIMULATION AND GENOMIC SIGNATURE COMPARISONS  
**Dr. Kathleen Hill**  
Presenter Affiliation: University of Western Ontario

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**Concurrent Session D: Solutions to Health Care Challenges**  
**Moderator:** Dr. Kyle Jackson, St. Clair College

Abstract 025  
STIGMA AND BARRIERS: CLINICAL SOCIAL WORKERS IN ONTARIO DESCRIBE THEIR EXPERIENCES OF PROVIDING CARE TO PEOPLE WITH BORDERLINE PERSONALITY DISORDER  
**Aman Cameron-Ahluwalia**  
Presenter Affiliation: University of Windsor

Abstract 026  
WHAT WE THOUGHT WE KNEW: CHALLENGES AND LEARNING POINTS OF A RESEARCH STUDY WITH THE RECENTLY HOUSED  
**Naomi Levitz**  
Presenter Affiliation: St. Clair College

	<p>Abstract 027 KNOW YOUR ROUTE AND DESTINATION: EMBEDDING PROGRAM EVALUATION INTO A LOCAL MOBILE MEDICAL CLINIC INTERVENTION <b>Dr. Kathy Pfaff</b> Presenter Affiliation: University of Windsor</p> <p>Abstract 028 THE IMPACT OF THE COVID-19 PANDEMIC ON CHILD MENTAL HEALTH <b>Dr. Lance Rappaport</b> Presenter Affiliation: University of Windsor</p> <p>Abstract 029 VIRTUAL BODY MAPPING WITH COVID-19 LONG HAULERS: A NOVEL METHOD FOR MEASURING PATIENT EXPERIENCE <b>Dr. Sara Santarossa</b> Presenter Affiliation: Henry Ford Health</p>	
3:30pm.	<p><b>Joint Session</b> <b>Dr. Catherine M. Febria</b>, Great Lakes Institute for Environmental Research, University of Windsor <b>“The Heartbeat of Ecosystems: Connecting Diverse Ways of Knowing and Doing to Heal our Freshwater Ecosystems”</b></p>	<b>SKYLINE B</b>
4:30pm.	Closing Ceremony: Awards & Closing Remarks	<b>SKYLINE B</b>



# ORGANIZING COMMITTEE

*Thank you to the 2022 Health Research Conference Organizing Committee and the group of conference volunteers for contributing their time, ideas, and enthusiasm to this conference. Their commitment and efforts made all this possible.*

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Special thanks to WE-SPARK student volunteers and CUREs class volunteers. The Cancer Undergraduate Research Education class was first offered by the Faculty of Science at the University of Windsor in Fall 2018. This course exposes students to the importance of multidisciplinary research and brings them together into collaborative teams to design and implement tools to communicate cancer research to stakeholders. Students discuss ethical fundraising and marketing of research and develop projects that are shared with the community on a Cancer Education Day. It is the hands-on learning experience where the students' ideas will directly contribute to moving cancer research forward in Windsor-Essex.

## THANK YOU

Thank you to all the registrants, speakers, students, sponsors, and community members for joining us for the 2022 Health Research Conference. It was through your support, commitment, and participation that we were able to hold the first health research conference in Windsor-Essex. We look forward to connecting at future events and highlighting the positive impact of health research in our region.



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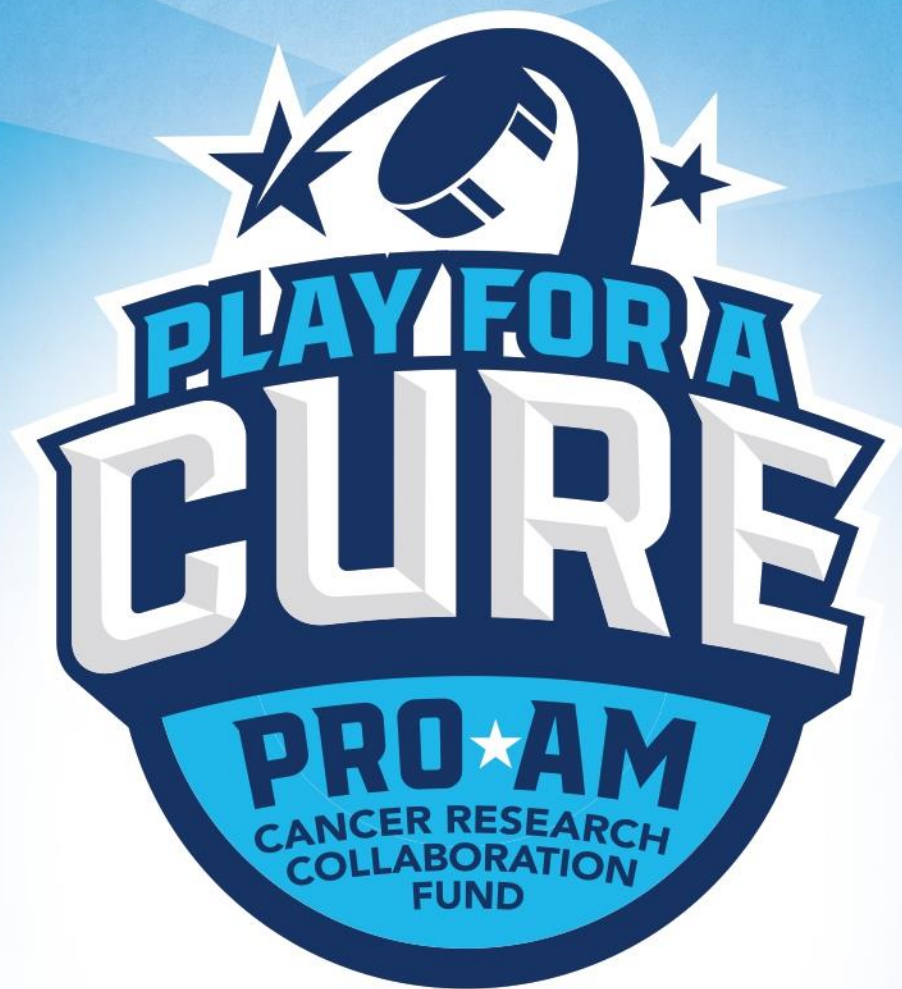


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