

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

#YQGHealthResearchConference



Contents

WELCOME 3

ABOUT THE VENUE 3

COVID-19 POLICY & CODE OF CONDUCT..... 3

ABOUT WE-SPARK HEALTH INSTITUTE 4

LAND ACKNOWLEDGEMENT 4

SCHEDULE OVERVIEW 5

KEYNOTE SPEAKERS..... 6

PLENARY: PRESENTERS 7

JOINT SESSION: PRESENTER 8

THE IMPACT OF RESEARCH: PERSPECTIVES..... 9

DETAILED SCHEDULE..... 10

DAY 1 10

DAY 2 21

ORGANIZING COMMITTEE 25

THANK YOU 25

THANK YOU TO OUR CONFERENCE SPONSORS 33

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 for any suggestions you may have.

Platinum Sponsors



University
of Windsor
Faculty of Science



Gold Sponsors



CANCER
RESEARCH
COLLABORATION
FUND



University
of Windsor | Research & Innovation

Silver Sponsors



Bronze Sponsors





@wesparkhealth
#YQGHEALTHRESEARCHCONFERENCE



When tweeting or sharing any social media content about the conference, please use:
#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, Lenni, 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 (2nd floor) and Room 404

12:00pm	Registration	LOBBY
1:00pm	Welcome/Opening Remarks	SKYLINE B
1:15pm	Keynote Address: Dr. Molly Shoichet University of Toronto - "Making it Real: From Research to Reality"	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: Captain (Retired) Mary Ann Barber	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 (2nd floor) & International Ballroom (4th floor)

9:00am	Registration and light breakfast	SKYLINE B
10:00am	Welcome/Opening Remarks	SKYLINE B
10:15am	A Patient's Perspective: Freda Carter	SKYLINE B
10:30am	Keynote Address: Dr. Steven A Narod Women's College Hospital - "Three Interesting Things about Breast Cancer"	SKYLINE B
11:30am	Concurrent Session A: Health & Wellness of Healthcare Professionals	INTL. BALLROOM
	Concurrent Session B: Innovative Approaches to Detection, Screening, & Treatment	INTL. BALLROOM
12:45pm	Lunch	SKYLINE B
2:00pm	Concurrent Session C: Multi-disciplinary Approaches to Cancer Research	INTL. BALLROOM
	Concurrent Session D: Solutions to Health Care Challenges	INTL. BALLROOM
3:30pm	Joint session: Dr. Catherine M. Febria "The Heartbeat of Ecosystems: Connecting Diverse Ways of Knowing and Doing to Heal our Freshwater Ecosystems"	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 11th 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 12th 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-ibbean: 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 12th 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 11th 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 12th 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: Dr. Lisa Porter – Executive Director, WE-SPARK Health Institute</p>	SKYLINE B
1:15pm	<p>Keynote Address Dr. Molly Shoichet – Professor, University of Toronto “Making it Real: From Research to Reality”</p>	SKYLINE B
2:00pm	<p>Rapid-Fire Session Moderator: Dr. Devinder Moudgil</p> <p>Abstract O01 MONTE CARLO SIMULATION DESIGN OF AN ACCELERATOR-BASED NEUTRON SOURCE BEAM SHAPING ASSEMBLY SUITABLE FOR BNCT TREATMENTS Dominik Dziura 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 Caitlyn Massad 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 Adam Pillon Presenter Affiliation: University of Windsor</p> <p>Abstract O04 CLINICAL TRIALS NAVIGATOR Mahmoud Hossami & Rhonda Abdel-Nabi Presenter Affiliation: University of Windsor</p> <p>Abstract O05 KAISO, INTESTINAL INFLAMMATION AND TUMORIGENESIS Lindyann R. Lessey Presenter Affiliation: McMaster University</p>	SKYLINE B

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

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

	<p>Abstract P07 THE INHIBITORY NKR-P1B RECEPTOR REGULATES NK CELL-MEDIATED MAMMARY TUMOUR IMMUNOSURVEILLANCE IN MICE Karla Alnajm Presenter Affiliation: University of Windsor</p> <p>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</p> <p>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</p> <p>Abstract P10 ELUCIDATING THE LINK BETWEEN THE ROLE OF SPY1 IN NSCS AND BRAIN CANCER Jillian Brown Presenter Affiliation: University of Windsor</p> <p>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</p> <p>Abstract P12 AN OBSERVATION OF DEMOGRAPHIC CHARACTERISTICS DURING RECRUITMENT OF A BIRTH COHORT STUDY IN METRO DETROIT Veronica Chacko Presenter Affiliation: Henry Ford Health</p> <p>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</p>	
--	---	--

	<p>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</p> <p>Abstract P15 IDENTIFYING PROGRESSION PREDICTORS TO MUSCLE INVASIVE BLADDER CANCER Jocelyne Cyrenne Presenter Affiliation: University of Windsor</p> <p>Abstract P16 ASSESSING BURNOUT AND PROFESSIONAL FULFILLMENT IN A REGIONAL COMMUNITY HOSPITAL Advait Desai Presenter Affiliation: Schulich School of Medicine & Dentistry</p> <p>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</p> <p>Abstract P18 DESIGNING A HEALTHCARE CHATBOT TO EDUCATE USERS ON THEIR INDIVIDUALIZED COVID-19 SYMPTOMS RISKS Lauren Elliott Presenter Affiliation: Audacia Bioscience</p> <p>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</p> <p>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</p>	
--	--	--

	<p>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</p> <p>Abstract P22 IDENTIFYING A UNIQUE BARRIER TO CANCER PATIENT CLINICAL TRIAL ENROLMENT IN COMMUNITY-BASED HOSPITALS Melissa Fenech Presenter Affiliation: University of Windsor</p> <p>Abstract P23 TRANSFORMATIONAL LEADERSHIP AND RETENTION OF NURSES: AN INTEGRATIVE REVIEW Becky Goens Presenter Affiliation: University of Windsor</p> <p>Abstract P24 CALCINOSIS CUTIS MASQUERADING AS IMBRUVICA RASH Pratham Gupta Presenter Affiliation: Western University</p> <p>Abstract P25 SPY1 AS A NOVEL CELL CYCLE TARGET AGAINST MEDULLOBLASTOMA Philip Habashy Presenter Affiliation: University of Windsor</p> <p>Abstract P26 MENTAL HEALTH LITERACY IN ADOLESCENCE: A SCOPING REVIEW OF SCHOOL-BASED SURVEYS ON STUDENTS Lindsay Heyland Presenter Affiliation: Mount Saint Vincent University</p> <p>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</p> <p>Abstract P28 REGULATION OF NATURAL KILLER CELL RESPONSES BY MYELOID-DERIVED SUPPRESSOR CELLS IN MOUSE MAMMARY TUMOURS Mary Ibrahim Presenter Affiliation: University of Windsor</p>	
--	--	--

	<p>Abstract P29 SUPERVISED CONSUMPTION SITES: A STRATEGY TO OVERCOME THE OPIOID CRISIS IN ONTARIO, CANADA Aleksandra Ilievska Presenter Affiliation: University of Windsor</p> <p>Abstract P30 A PRELIMINARY INVESTIGATION OF TIME DYSPERCEPTION POST-CONCUSSION Kassandra Korcsog Presenter Affiliation: University of Windsor</p> <p>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</p> <p>Abstract P32 REGULATION OF THE CELL SURVIVAL PHOSPHATASE HYVH1 BY THE TYROSINE KINASE SRC Griffin Lotze Presenter Affiliation: University of Windsor</p> <p>Abstract P33 THE ROLE OF SPY1 IN CELL CYCLE CHECKPOINT EVASION IN GLIOBLASTOMA Hema Priya Mahendran Presenter Affiliation: University of Windsor</p> <p>Abstract P34 VIRTUAL VISITS VS. IN PERSON VISITS? Aparna Maheshwari Presenter Affiliation: McMaster University</p> <p>Abstract P35 A SWITCHABLE AFFINITY STREPTAVIDIN MUTANT FOR THE PURIFICATION OF BIOMOLECULES Jesse Marangoni Presenter Affiliation: University of Windsor</p> <p>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</p>	
--	---	--

	<p>Abstract P37 AI-BASED INFORMATION MANAGEMENT SYSTEM FOR COMMUNITY-BASED PALLIATIVE CARE SYSTEMS Laila Albalkhi & Lidia Kojic Presenter Affiliation: University of Windsor</p> <p>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</p> <p>Abstract P39 THE ASSOCIATION OF INTERNALIZING PSYCHOPATHOLOGY WITH EMOTION DYNAMICS Andrew Nguyen Presenter Affiliation: Schulich School of Medicine & Dentistry</p> <p>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</p> <p>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</p> <p>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</p> <p>Abstract P43 HYPOFRACTIONATED STEREOTACTIC RADIOTHERAPY FOR OLIGO BRAIN METASTASIS IN WINDSOR REGIONAL HOSPITAL CANCER PROGRAM Ming Pan Presenter Affiliation: Windsor Regional Hospital</p>	
--	---	--

	<p>Abstract P44 CRITICAL ANALYSIS OF CANCER CLINICAL TRIAL SEARCH ENGINES Milica Paunic Presenter Affiliation: University of Windsor</p> <p>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</p> <p>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</p> <p>Abstract P47 COMPARISON OF HEPATIC GENE EXPRESS PROFILES BETWEEN CIRRHOTIC AND NON-CIRRHOTIC HEPATOCELLULAR CARCINOMA Mahsa Rahimi Presenter Affiliation: University of Windsor</p> <p>Abstract P48 PATIENTS AS PARTNERS: PERSPECTIVES ON ENGAGEMENT Ashley Rapp Presenter Affiliation: Henry Ford Health</p> <p>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</p> <p>Abstract P50 THE FUNCTIONALITY OF SOUND ON WELLNESS OF TEACHERS AND STUDENTS IN OUTDOOR CLASSROOMS Loretta Sbrocca Presenter Affiliation: University of Windsor</p> <p>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</p>	
--	--	--

	<p>Abstract P52 NURSES' EXPERIENCE OF PATIENT AND FAMILY-CENTERED ROUNDS IN THE INTENSIVE CARE UNIT Kaitlyn Sheehan Presenter Affiliation: University of Windsor</p> <p>Abstract P53 BREAKING THE CYCLE: EMPOWERING AND EDUCATING NURSING STUDENTS TO INTERVENE IN THE POVERTY LANDSCAPE Hali Sitarz Presenter Affiliation: St. Clair College</p> <p>Abstract P54 CONTROL OF STEMNESS IN GLIOMA VIA NANOPARTICLE-MEDIATED REGULATION OF CD44 RECEPTOR Alexandra Sorge Presenter Affiliation: University of Windsor</p> <p>Abstract P55 QUALITATIVE ANALYSIS HEALTHCARE EXPERIENCE OF CRITICALLY ILL MIGRANT WORKERS IN WINDSOR-ESSEX COUNTY Dhuvaraha Srikrishnaraj & Genesis Flores Presenter Affiliation: Schulich School of Medicine & Dentistry</p> <p>Abstract P56 DESIGN AND DEVELOPMENT OF A VOLATILE ORGANIC COMPOUND CONCENTRATOR AUTOMATED TEST APPARTUS (VOCCATA) Dora Strelkova Presenter Affiliation: University of Windsor</p> <p>Abstract P57 CLINICAL TRIAL AVAILABILITY: AN ANALYSIS OF LIMITED CLINICAL TRIAL OPTIONS FOR CANCER PATIENTS IN ONTARIO Kayla Touma Presenter Affiliation: University of Windsor</p> <p>Abstract P58 NURSE PERSPECTIVES ON FAMILY-CENTRED ROUNDS IN ADULT CRITICAL CARE UNITS Felicia Varacalli Presenter Affiliation: University of Windsor</p> <p>Abstract P59 DETERMINING THE DEPENDENCY OF SPY1 BASED ON RB STATUS IN TRIPLE NEGATIVE BREAST CANCER (TNBC) Tiana Visconti 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 Leslee Ward 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 & DENTISTRY, WESTERN UNIVERSITY Kenan Kassas & Sira Jaffri Presenter Affiliation: University of Windsor</p> <p>Abstract P62 CRITICAL ILLNESS IN MIGRANT WORKERS IN THE WINDSOR-ESSEX REGION Alex Zhou & Abdelhady Osman Presenter Affiliation: Schulich School of Medicine & Dentistry</p> <p>Abstract P63 BARRIER NORMALIZATION: MAINTAINING INACCESSIBLE ENVIRONMENTS Megan Thorne 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 Dhuvaraha Srikrishnaraj Presenter Affiliation: Schulich School of Medicine & Dentistry</p>	
6:30pm	<p>End of Day One & Start of SWORP Mixer* <i>*For Schulich med students and faculty members with submitted SWORP project titles.</i></p>	ROOM 404

DAY 2

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

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

	<p>Abstract 021 MODULATING PHYSICOCHEMICAL PROPERTIES AND RATIONAL DESIGN OF SEMICONDUCTING CONJUGATED POLYMER NANOPARTICLES TO ENHANCE GLIOBLASTOMA TARGETED THERAPY Khalilallahman Dehviri Presenter Affiliation: University of Windsor</p> <p>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</p> <p>Abstract 023 MULTIFACETED REGULATION OF THE DEUBIQUITINASE USP8 Cody Caba Presenter Affiliation: University of Windsor</p> <p>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</p> <hr/> <p>Concurrent Session D: Solutions to Health Care Challenges Moderator: Dr. Kyle Jackson, St. Clair College</p> <p>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</p> <p>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>	
--	--	--

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

Dora Cavallo-Medved (Co-Chair)
Karen Metcalfe (Co-Chair)
David Cervi
Martin Crozier
Juliet Daniel
Linda DiRosa
Emily Espinoza-Lewis
Laurie Freeman
Adrian Guta
Caroline Hamm
Aya El-Hashemi
Sahar Khan

Caitlyn Massad
Emma Minneau
Devinder Moudgil
Sarah Mushtaq
Kenneth Ng
Ryan Palazzolo
Lisa Porter
Ingrid Qemo
Judy Seesahai
Trevor Shepherd
Alexandra Sorge
Zach Staffel

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.



University
of Windsor
Faculty of Science

At the **LEADING EDGE** of SCIENCE

**Sponsor of the WE-SPARK
Conference Student Awards**



**I use technology
to change
people's lives.**

**LISA REGISTERED
X-RAY TECHNOLOGIST**



**WHAT CAN YOU
DO TODAY?**

Make Erie Shores HealthCare Part of Your Tomorrow

Scan Here To Learn More




Erie Shores **HealthCare**
Care Happens Here

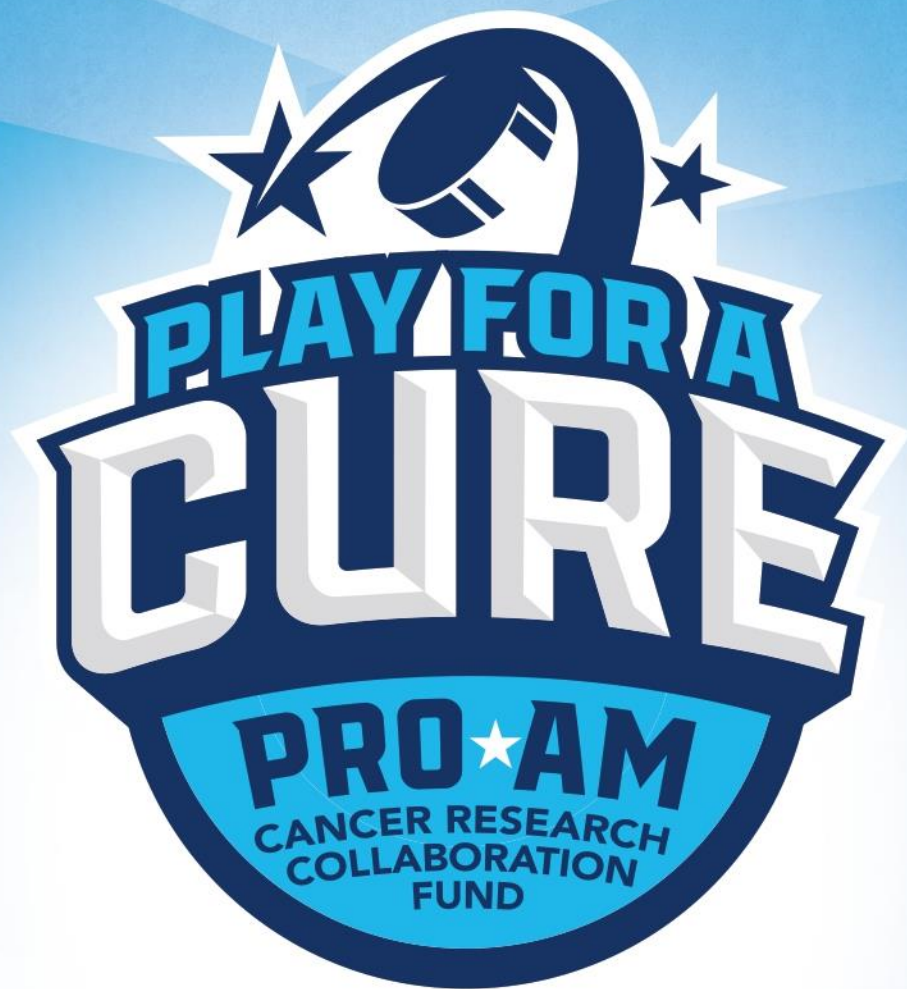


Proud Sponsor

STAY CONNECTED



WWW.STCLAIRALUMNI.COM



WITHOUT RESEARCH, HOPE IS JUST ANOTHER WORD.

PLAY FOR A CURE is a grassroots initiative that creates awareness and raises funds to support collaboration and strengthen cancer research in the Windsor-Essex region.

The funds we raise support various initiatives like education, outreach, internships, training, and capital investments that will help further propel cancer research within our community.

With your support, we can be influencers and create a movement that will ensure the people in our community receive the best possible healthcare.

If you would like to know more about PLAY FOR A CURE or make a donation, please visit us at [**playforcure.ca**](http://playforcure.ca)

Congratulations to WE-Spark Health Institute on hosting this inaugural Health Research Conference

**All the best to the
2022 participants!**

**From your friends at
Windsor Regional Hospital
and Windsor Regional
Hospital Foundation.**



**www.wrh.on.ca
www.wrhfoundation.ca**





University
of Windsor

University of Windsor
research is building

**VIABLE, HEALTHY, AND
SAFE COMMUNITIES.**

Every day, our world-class faculty, graduate and undergraduate students, and staff are working together to cultivate healthy communities in our city, our country, and around the world. Our researchers are building synergies and collaborative partnerships with clinicians, healthcare stakeholders, and community leaders that are changing the face of cancer research in our region and beyond.

UWindsor Research. Anything is Possible.
www.uwindsor.ca/research



Windsor-Essex:

a cross-border hub for medical
research and innovation



INVESTWINDSORESSEX.COM

GROW ON

WINDSOR

Fundraising in support of cancer awareness, research, and treatment for men living in our region.

Every dollar raised stays local.

Visit www.GrowOnWindsor.com



SPONSORED BY **GROUND EFFECTS**



Supporter of the 2022 Health Research Conference



CONSTRUCTION & ENGINEERING

THANK YOU TO OUR CONFERENCE SPONSORS

*The 2022 Health Research Conference
would not have been possible without the support of:*

Platinum Sponsors



University
of Windsor
Faculty of Science



Gold Sponsors



CANCER
RESEARCH
COLLABORATION
FUND



University
of Windsor | Research &
Innovation

Silver Sponsors



INVEST
WINDSOR
ESSEX



HÔTEL-DIEU GRACE
EST. 1888 HEALTHCARE



Bronze Sponsors



@wesparkhealth
#YQGHEALTHRESEARCHCONFERENCE

