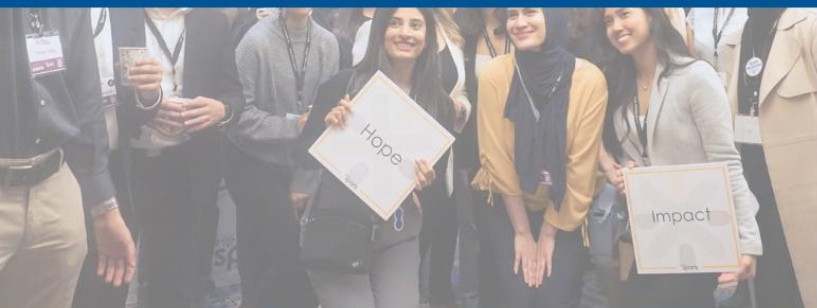




HEALTH RESEARCH CONFERENCE

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



March 28th, 2026
Caesars Windsor Convention Centre
#YQGHealthResearchConference
www.wesparkhealth.com

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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 practices 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.

WELCOME

Thank you for joining us for the **2026 Health Research Conference**. Guest speakers and presenters include a diverse group of researchers, healthcare professionals, 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 local health research excellence. Welcome!

ABOUT THE VENUE

Our conference is taking place in Augustus, Saturni, Martis, Mercury, and Luna rooms of the Caesars Windsor Convention Centre. In addition to signaled accessible entrances, a multifaith space is in the Veneris room. Connect with a conference volunteer if you require support to find any of these locations.

ABOUT WE-SPARK HEALTH INSTITUTE

WE-SPARK Health Institute is an innovative partnership supported by Erie Shores HealthCare, 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, well-being, and care of people through transformative research, evidence-based interventions, and knowledge translation.

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

We look forward to continuing to ignite local research and elevate excellence!

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. We ask that you read carefully our [Code of Conduct](#) which 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.

THANK YOU TO OUR SPONSORS

DIAMOND



PLATINUM



GOLD



SILVER



BRONZE



When sharing any social media content about the conference, please use:

#YQGHealthResearchConference

SCHEDULE OVERVIEW

7:45 AM	Registration & Light Breakfast	LOBBY
8:45 AM	Good Way Opening & Welcome Lived-Experience Perspective	AUGUSTUS I & II
9:15 AM	Plenary Session Moderator: Dr. Lisa Porter, University of Windsor	AUGUSTUS I & II
10:15 AM	Refreshments/Movement Break	LOBBY
10:30 AM	Rapid Fire Session Moderator: Dr. Sara Santarossa, Henry Ford Health	AUGUSTUS I & II
11:00 AM	Poster Session A	AUGUSTUS III
12:00 PM	Lunch	AUGUSTUS I & II
12:45 PM	Poster Session B	AUGUSTUS III
	Concurrent Session A-1 Moderator: Dr. Adrian Guta, University of Windsor <i>LEARN Moderator: Dr. Onawa Labelle</i>	SATURNI
	Concurrent Session A-2 Moderator: Dr. Swati Mehta, University of Windsor <i>LEARN Moderator: Theresa Skwara</i>	LUNA
2:00 PM	Concurrent Session A-3 Moderator: Dr. Andrew Hubberstey, University of Windsor <i>LEARN Moderator: Samantha Asher</i>	MARTIS
	Concurrent Session A-4 Moderator: Jackie Fong, INSPIRE <i>LEARN Moderator: Dawn Mulder</i>	MERCURI
3:25 PM	Refreshments/Movement Break	LOBBY
	Concurrent Session B-1 Moderator: Dr. Adrian Guta, University of Windsor <i>LEARN Moderator: Andy Tannous</i>	SATURNI
	Concurrent Session B-2 Moderator: Dr. Swati Mehta, University of Windsor <i>LEARN Moderator: Alexandra Shoust</i>	LUNA
3:40 PM	Concurrent Session B-3 Moderator: Dr. Andrew Hubberstey, University of Windsor <i>LEARN Moderators: Jim Fair & Garry Loeper</i>	MARTIS
	Concurrent Session B-4 Moderator: Jackie Fong, INSPIRE <i>LEARN Moderator: VeRonica Mitchell</i>	MERCURI
5:05 PM	Closing Remarks & Awards	AUGUSTUS I & II

GOOD WAY OPENING & CLOSING CEREMONY



Jaimie Kechego

Learning Specialist, Indigenization

Jaimie Kechego is Anishnaabe kwe from Deshkaan Ziibing (the Chippewa of the Thames First Nation reserve) located near London, Ontario. Jaimie's academic experience began at the University of Windsor as she pursued her Bachelor of Arts degree. Her professional experience with the University of Windsor began at Turtle Island as the Student Representative for the Aboriginal Education Committee. After graduating from the University of Windsor, she secured a position with the Greater Essex County District School Board as the First Nation, Metis and Inuit secondary school counsellor for eight years. Jaimie went back to the University of Windsor to pursue her Bachelor of Education in 2014 and graduated in 2015. Recently, Jaimie completed her requirements for a Master's degree in the Field of Educational Leadership focused in Aboriginal Education at Western University.

LIVED EXPERIENCE PERSPECTIVE



Marc van de Rijn

Physician, Hôtel-Dieu Grace Healthcare

Marc van de Rijn received his biomedical engineering degree from Stevens Institute of Technology and his medical degree from Temple University School of Medicine. After graduating, he did a residency in physical medicine and rehabilitation at Spaulding Rehabilitation Hospital in Boston and a fellowship in neuromuscular disease at University of California, Davis campus. After training, he has worked in rare disease drug development and currently is clinically practicing here in Windsor, ON.

PLENARY SPEAKERS



**“From Bench to Bedside and Back Again:
Using Informatics to Guide Therapy in
Glioblastoma”**

Sunit Das, MD, PhD

Sunit Das is a neurosurgeon and scientist at St. Michael’s Hospital and the Hospital for Sick Kids and Professor and Keenan Chair in the Department of Surgery at the University of Toronto. He currently serves as the Provincial Lead for CNS Oncology at Cancer Care Ontario. Dr. Das’s clinical practice is focused on the care of patients with benign and malignant brain tumours. His laboratory in the Arthur and Sonia Labatt Brain Tumour Centre at the Hospital for Sick Kids focuses on the molecular and genetic mechanisms that regulate tumour evolution and treatment resistance in glioblastoma.



**“Why Perseverance Matters to Research:
Reflections on 3 Decades in an Everchanging
Ecosystem”**

Ross Upshur, BA (Hons), MA, MD, MSc

Ross Upshur BA (Hons), MA, MD, MSc, MCFP, FRCPC, FCAHS is currently the Dalla Lana Chair in Clinical Public Health and Head of the Division of Clinical Public Health at the Dalla Lana School of Public Health, At the University of Toronto, he is a Professor in the Dalla Lana School of Public Health and the Department of Family and Community Medicine, Associate Director of the Collaborative Centre for Climate, Health and Sustainable Care,

Affiliate Member of the Institute for the History and Philosophy of Science and Technology, Member of the Joint Centre for Bioethics. His research interests span multiple domains at the intersection of ethics, epistemology, clinical medicine and public health with applications to climate change, pandemics and artificial intelligence. He is an elected Fellow of the Hastings Center and the Canadian Academy of Health Sciences.



**“Learning for an Uncertain Future:
Rethinking Expertise in Complex Systems”**

Nikki Woods, PhD

Nicole (Nikki) Woods, PhD is the Richard and Elizabeth Currie Chair for Research in Health Professions Education. She is also Director of The Institute for Education Research (TIER) at University Health Network and Senior Scientist at The Wilson Centre, University of Toronto. Dr. Woods leads an internationally recognized research program that uses methods and principles from cognitive psychology to advance medical education theory and practice. Her research has significant implications for education across the developmental continuum and various health disciplines. A Fellow of the Karolinska Institute Prize for Medical Education Research since 2019, Dr. Woods is currently a Professor in the Department of Family and Community Medicine at the University of Toronto. In 2021, Dr. Woods was recognized as one of Canada's Top 100 Most Powerful Women by WXN.

DETAILED CONFERENCE SCHEDULE

7:45 AM	Registration & Light Breakfast	LOBBY
8:45 AM	<p>Good Way Opening & Welcome – Jaimie Kechego, Learning Specialist & Dr. Dora Cavallo-Medved, Director of WE-SPARK Health Institute & Associate Dean, Faculty and Student Engagement, University of Windsor</p> <p>A Lived-Experience Perspective: Dr. Marc van de Rijn, Hôtel-Dieu Grace Healthcare</p>	AUGUSTUS I & II
9:15 AM	<p>Plenary Session</p> <p>Moderator: Dr. Lisa Porter, University of Windsor</p> <p>“From Bench to Bedside and Back Again: Using Informatics to Guide Therapy in Glioblastoma”</p> <p>Dr. Sunit Das, St. Michael’s Hospital, Hospital for Sick Kids, University of Toronto</p> <p>“Why Perseverance Matters to Research: Reflections on 3 Decades in an Everchanging Ecosystem”</p> <p>Dr. Ross Upshur, Dalla Lana School of Public Health, University of Toronto</p> <p>“Learning for an Uncertain Future: Rethinking Expertise in Complex Systems”</p> <p>Dr. Nicole (Nikki) Woods, The Institute for Education Research, The Michener Institute, The Wilson Centre, University Health Network</p>	AUGUSTUS I & II
10:15 AM	Refreshments/Movement Break	LOBBY
10:30 AM	<p>Rapid Fire Session</p> <p>Moderator: Dr. Sara Santarossa, Henry Ford Health</p> <p>ABSTRACT 001 ADULT SEXUAL RISK BEHAVIOUR IN A CANADIAN SAMPLE OF TWO-SPIRIT, TRANS, AND NON-BINARY SURVIVORS OF CHILDHOOD SEXUAL ABUSE Oliver Cheek, University of Windsor</p> <p>ABSTRACT 002 VACCINE HESITANCY AMONG PEOPLE EXPERIENCING HOMELESSNESS: DETERMINANTS AND STRATEGIES TO IMPROVE UPTAKE – A SYSTEMATIC REVIEW</p>	AUGUSTUS I & II

Reyad Elzaanoun, Schulich School of Medicine and Dentistry

ABSTRACT 003

THE ROLE OF SPY1 IN MAMMARY INVOLUTION AND ONCOGENESIS

Isabelle Hinch, University of Windsor

ABSTRACT 004

INTRAVENOUS ALBUMIN IN SURGICAL ONCOLOGY PATIENTS: A
SYSTEMATIC REVIEW AND META-ANALYSIS

Aviva Moses, Schulich School of Medicine & Dentistry

ABSTRACT 005

HEALTHCARE EXPERIENCES OF ADULTS LIVING WITH BORDERLINE
PERSONALITY DISORDER IN CANADA: A SCOPING REVIEW

Jhanvi Patel & Gurleen Saroya, University of Windsor

ABSTRACT 006

DIFFERENTIAL HEPATIC GENE EXPRESSION ACROSS FIBROSIS STAGES
IN HEPATOCELLULAR CARCINOMA

Mahsa Rahimi, University of Windsor

ABSTRACT 007

CO-CREATING A UNIFIED RESPONSE: A CROSS-SECTOR IPV TRAINING
INITIATIVE IN WINDSOR-ESSEX

Amal Sleiman, St. Clair College

ABSTRACT 008

DIFFERENT PATHS, SAME STRUGGLES: SEXUAL WELL-BEING ACROSS
ENDOMETRIOSIS DIAGNOSTIC PATHWAYS

Morgan Sterling, University of Waterloo

ABSTRACT 009

ESTABLISHING RELIABLE INTERNAL EXTRACTION CONTROLS AND
OPTIMIZING THE PERFORMANCE OF THE LOOP-MEDIATED
ISOTHERMAL AMPLIFICATION (LAMP) ASSAY

Lea Tanovic, University of Windsor

ABSTRACT 010

EYE-BASED INDICATORS OF COGNITIVE WORKLOAD DURING
EXOSKELETON-ASSISTED PATIENT-HANDLING TASKS

Julie Webeck, University of Windsor

11:00 AM **Poster Session A** AUGUSTUS III

ABSTRACT P001

EXPLORING THE MOLECULAR MECHANISM FOR ACTIVATION OF
CYCLIN-DEPENDENT KINASES BY NON-CANONICAL SPEEDY/RINGO
PROTEIN FAMILY MEMBERS

Alexander Agostinis, University of Windsor

ABSTRACT P003

INVESTIGATING THE ROLE OF THE UPR IN TROPHOBLAST
DIFFERENTIATION AND HYPOXIA-INDUCED PLACENTAL DYSFUNCTION

Mohamed Ali, University of Western Ontario

ABSTRACT P005

INVESTIGATING ELF2 α -MEDIATED TRANSLATIONAL CONTROL IN TASTE
MEMORY FORMATION

Nancy Almasri, University of Windsor

ABSTRACT P007

EVALUATION OF CLINICAL AND PATIENT OUTCOMES USING CAPA-IVM
IN A CLINICAL SETTING: A MIXED METHODS CLINICAL TRIAL

Isabella Arthur, Victory Reproductive Care

ABSTRACT P009

IDENTIFICATION OF CELL-TYPE-SPECIFIC TRANSLATIONAL CONTROL
MECHANISMS OF LONG-TERM DEPRESSION AND MEMORY
FORMATION

Maria Badalova, University of Windsor

11:00 AM

ABSTRACT P011

ROLE OF THE ER IN INITIAL DIAGNOSTIC PATHWAY OF MULTIPLE
MYELOMA PATIENTS: A RETROSPECTIVE REVIEW OF 80
PRESENTATIONS AT A REGIONAL HOSPITAL

Kyle Banwell, University of Windsor

AUGUSTUS III

ABSTRACT P013

ANY MEDICATION YOU CAN SCAN, I CAN SCAN FASTER: A NURSING
COMPETITION

Katrina Billion, Erie Shores HealthCare

ABSTRACT P015

ENGINEERING FLUORESCENT NANOANTENNAS FOR THE ACTIVITY OF
 β -GALACTOSIDASE

Aiden Carr, University of Windsor

ABSTRACT P017
THE ROLE OF SPY1 IN SEX-SPECIFIC CELLULAR MECHANISMS DRIVING
PROGRESSION OF METABOLIC DYSFUNCTION-ASSOCIATED STEATOTIC
LIVER DISEASE
Noah Cleary, University of Windsor

ABSTRACT P019
ARE WE SLEEPING ON THE RISKS? THE ROLE OF SLEEP QUALITY IN
SPORT-RELATED CONCUSSION
Vanessa Correia, University of Windsor

ABSTRACT P021
A NOVEL APPROACH TO IMPROVING CLINICAL TRIAL REFERRAL AND
ENROLLMENT IN PATIENTS WITH CANCER: A CROSS-SECTIONAL
ANALYSIS
Christina Di Carlo, Schulich School of Medicine and Dentistry

ABSTRACT P023
OPTIMIZING OPERATING ROOM SUPPLY UTILIZATION AND COST
EFFICIENCY AT ERIE SHORES HEALTHCARE
Michael Anthony Douaihy, University of Windsor

11:00 AM ABSTRACT P025 REPROGRAMMING ORGANIC POLYMERS VIA DYNAMIC COVALENT BONDS AUGUSTUS III
Nour Elharake, University of Windsor

ABSTRACT P027
FACILITATORS AND BARRIERS TO INTEGRATING TRAUMA-INFORMED
CARE IN UNDERGRADUATE NURSING EDUCATION
Rachel A Elliott, University of Windsor

ABSTRACT P029
INVESTIGATING TIME-RESTRICTED FEEDING IN THE REGULATION OF
COLORECTAL CANCER PROGRESSION
Mehr Fatmah, University of Windsor

ABSTRACT P031
A PILOT FEASIBILITY STUDY TO INTEGRATE THE CLINICAL TRIAL
NAVIGATOR PROGRAM INTO THE LUNG CANCER WAITLIST AT A LARGE
CANADIAN CANCER CENTRE
Matteo Frattaroli, Mohammad El-Hindawi, Hannah Chacko, University
of Windsor

ABSTRACT P033

A TWO-TIER DEBRIEFING PATHWAY TO SUPPORT WORKFORCE WELL-BEING ACROSS IN-PERSON AND REMOTE HEALTHCARE SETTINGS

Kristin Gallant, Funmi Olayinka, Purity Karunge, University of Windsor

ABSTRACT P035

A PILOT STUDY OF WASTEWATER-BASED MONITORING OF NOROVIRUS IN DETROIT-WINDSOR METROPOLITAN AREA

Qiudi Geng, Great Lakes Institute for Environmental Research

ABSTRACT P037

REGULATION OF TUMOR-INFILTRATING NK CELL RESPONSES VIA IL-12/IL-23 AXIS

Sophia Girgis, University of Windsor

ABSTRACT P039

OBJECTIVELY MEASURED PRENATAL PHYSICAL ACTIVITY AND PLACENTAL DNA METHYLATION: FINDINGS FROM A PROSPECTIVE BIRTH COHORT

Areesha Hasan, Michigan State University & Henry Ford Health

11:00 AM

ABSTRACT P041

WEARABLE-BASED PHYSICAL ACTIVITY ASSESSMENT IN CHILDREN AGED 5-8 YEARS: A PILOT STUDY

Samantha Henry, Henry Ford Health

AUGUSTUS III

ABSTRACT P043

FUNCTIONAL CHARACTERIZATION APPROACH TO IDENTIFY NOVEL ANTIMICROBIAL RESISTANCE GENES USING COSMID LIBRARIES FROM PSEUDOMONAS SP.

Julie E Hernandez-Salmeron, University of Waterloo

ABSTRACT P045

NAVIGATING COMPLEXITY: HEALTHCARE PROVIDER PERSPECTIVES ON ENGAGING OLDER ADULTS AND FAMILIES DURING CARE TRANSITIONS

Elva Hoffmann, University of Windsor

ABSTRACT P047

PATIENT EXPERIENCE WITH AN AI-ASSISTED SPINE CONSULTATION INTAKE SYSTEM: A PROSPECTIVE OBSERVATION STUDY

Deven Jhavar, Western University

ABSTRACT P049
PREBIOTIC INDUCED MODULATION OF GUT DERIVED METABOLITES IN
MELANOMA PATIENT STOOL – AN IN VITRO STUDY
Mahnaz Kazi, St. Joseph’s Health Care & Lawson Research Institute

ABSTRACT P051
ASSESSING HEALTH INFORMATION NEEDS IN CLL/INDOLENT NON-HL
PATIENTS ON SURVEILLANCE
Sereen Hej-Ali & Halima Mohamed, University of Windsor

ABSTRACT P053
FUNCTIONAL CHARACTERIZATION AND DISCOVERY OF NOVEL
ANTIMICROBIAL RESISTANCE GENES USING AGROBACTERIUM
TUMEFACIENS AS SURROGATE HOST
Su-Hyun Kwon, University of Windsor & Metagenom Bio Life Sciences
Inc

ABSTRACT P055
WHAT PRACTICE REVEALS: BRIDGING CLINICAL INSIGHT AND
RESEARCH ON POLYVICTIMIZATION
Tori Lewis, University of Windsor

11:00 AM

AUGUSTUS III

ABSTRACT P057
REGULATION OF THE HYVH1-HSP70 CELL SURVIVAL COMPLEX
THROUGH TYROSINE PHOSPHORYLATION MEDIATED BY THE PROTO-
ONCOGENE SRC KINASE
Michael Lozon, University of Windsor

ABSTRACT P059
INTERACTIVE MRI LABELING INTERFACE FOR DEVELOPMENT OF A
STANDARDIZED LUMBAR SPINE STENOSIS SCORING SYSTEM AND
FUTURE AI AUTOMATION
Hamza Mahdi, Schulich School of Medicine and Dentistry

ABSTRACT P061
INFLUENCE OF NUCLEOBASE QUENCHING ON FLUORESCENT
NANOANTENNA ENZYME ASSAY
Viraj Makawana, University of Windsor

ABSTRACT P063
SYSTEMATIC REVIEW OF ACCURACY OF ARTIFICIAL INTELLIGENCE IN
NEUROSURGICAL TRIAGE AND DECISION-MAKING
Frank Mazza, Schulich School of Medicine and Dentistry

ABSTRACT P065
INVESTIGATION OF STATIN RYANODINE RECEPTOR 1 ACTIVATION ON
MITOCHONDRIAL FUNCTION AND AMINO ACID BALANCE IN SKELETAL
MUSCLE
Matthew Marlatt, Schulich School of Medicine & Dentistry

ABSTRACT P067
A MULTIFACETED STUDY OF NEUROENDOCRINE PROSTATE CANCER
USING A NOVEL PROGRESSION PLATFORM FOR THERAPEUTIC
TARGETING AND BIOMARKER DISCOVERY
Jeffery Martin & Kaitlin Ferraro, University of Windsor

ABSTRACT P069
EVALUATING THE DIAGNOSTIC YIELD AND EFFICIENCY OF THE RAAMP
CLINIC: A 2-YEAR RETROSPECTIVE REVIEW OF CANCER DIAGNOSIS
PATHWAY
Madelyn McGregor, University of Windsor

11:00 AM ABSTRACT P071 BRIDGING LANGUAGE AND HEALTHCARE ACCESS FOR INTERNATIONAL AGRICULTURAL WORKERS THROUGH COMMUNITY-BASED ENGLISH CONVERSATION GROUPS AUGUSTUS III
Rosa Mikheil, Windsor Regional Hospital

ABSTRACT P073
EVALUATING THE POTENTIAL OF AFFINITY-BASED PURIFICATION TO
ENHANCE THE CAPTURE OF VIRAL PARTICLES FROM ENVIRONMENTAL
AND WASTEWATER SAMPLES
Elijah Murtagh, University of Windsor

ABSTRACT P075
PROXIMITY MAPPING OF TUBERIN AND HAMARTIN REVEALS CELL
CYCLE-LINKED LYSOSOMAL ASSOCIATION
Ali Nadi & Sara Al Noor, University of Windsor

ABSTRACT P077
SINGLE-STEP PURIFICATION OF LOW-ABUNDANCE BIOTINYLATED
BIOMOLECULES WITH ENGINEERED, SWITCHABLE AFFINITY
STREPTAVIDIN MUTEINS
Annice Nguyen, University of Windsor

ABSTRACT P079
EXPLORING ARTS BASED APPROACHES TO HELP SEEKING IN INTIMATE
PARTNER VIOLENCE
Tess Ogunjinmi & Ayah Khanafer, University of Windsor

ABSTRACT P081
SPHINGOLIPID-HANDLING ENZYMES ARE AN ALTERED AND
CONSISTENT SIGNATURE IN CANCER CACHEXIA
Jacob Ouellette, University of Windsor

ABSTRACT P083
RESYNCHRONIZATION FOR AMBULATORY HEART FAILURE TRIAL IN
CHRONIC ATRIAL FIBRILLATION – PHARMACOLOGICAL RATE CONTROL
VS. PACE AND ABLATE STUDY
Habib Khan, Western University

11:00 AM ABSTRACT P085
ANALYSIS OF NEUROINFLAMMATORY PROTEINS IN ALZHEIMER'S
DISEASE
Anna Papanastassiou, University of Windsor

AUGUSTUS III

ABSTRACT P087
NANOPARTICLE-ENRICHED PEO COATINGS FOR DENTAL IMPLANTS:
COMPARATIVE STUDY ON CP-T1 AND TI-6A1-4V
Rafaela Passos de Souza, Western University

ABSTRACT P089
EXPLORING THE POTENTIAL MODERATING ROLE OF CHRONIC PAIN ON
THE RELATIONSHIP BETWEEN RESILIENCY, SOCIAL SUPPORT, AND PTG
IN EMERGING ADULTS
Kylie Pazner, University of Windsor

ABSTRACT P091
COUPLING DISEASE DYNAMICS WITH PHARMACEUTICAL PLANNING:
APPLICATIONS TO CANADIAN PUBLIC HEALTH PREPAREDNESS
Melody Pilchak, University of Guelph

ABSTRACT P093
INVESTIGATING THE ROLE OF CD44 IN MEDIATING SENESENCE IN
GLIOMA STEM CELLS
Vanessa Riolo, University of Windsor

ABSTRACT P095
CHARACTERIZING THE ROLE OF RCA1 IN DROSOPHILA FEMALE
MEIOSIS
Tia Salibi, University of Windsor

ABSTRACT P097
CREATING INCLUSIVE SPACES IN SPORTS: UNDERSTANDING 2SLGBTQ+
ATHLETES' SPORT EXPERIENCES
Giancarlo Savoni, University of Windsor

ABSTRACT P099
VALIDATING SEMI-AUTOMATED SEGMENTATION OF REGENERATING
MYOFIBRES USING CELLPOSE, AN OPEN-SOURCE DEEP LEARNING
TOOL
Daniel L Scurto, University of Waterloo

ABSTRACT P101
SWALLOWING EXERCISES IN PRETERM INFANTS
Hasan Shaban, Schulich School of Medicine and Dentistry

11:00 AM

AUGUSTUS III

ABSTRACT P103
THROUGH THE LENS OF THOSE WHO CARE: INSIGHTS FROM
INFORMAL CAREGIVERS OF LUNG TRANSPLANT RECIPIENTS
Harveer Mashinana & Siya Pandey, University of Windsor

ABSTRACT P105
ASSESSING EQUITY, DIVERSITY, INCLUSION, AND ANTI-RACISM
CLIMATE IN INSPIRE: A MIXED-METHODS STUDY OF A CANADIAN
RESEARCH TRAINING NETWORK
Mahshid Soleimani, University of Windsor

ABSTRACT P107
IMPACT OF TARGETED MEDICATION COUNSELLING DURING
DISCHARGE: ERIE SHORES HEALTHCARE EXPERIENCE
Jacob Wiebe, Erie Shores HealthCare

ABSTRACT P109
ARTIFICIAL INTELLIGENCE USE IN UNDERGRADUATE MEDICAL
EDUCATION: PRELIMINARY PILOT FINDINGS AND A DIFFUSION OF
INNOVATION-INFORMED FRAMEWORK
Fabiana Kellen, Schulich School of Medicine and Dentistry

ABSTRACT P111

A PROSPECTIVE ASSESSMENT OF FRAILITY IN PATIENTS WITH
HEMATOLOGICAL MALIGNANCIES AND CORRELATION WITH
SMARTWATCH IDENTIFIED RISK FACTORS

Morgan Szalay, University of Windsor

ABSTRACT P113

POPKIN: ESTABLISHING RNA-COMPATIBLE DUAL NUCLEOTIDE
ANALOGUE LABELLING TO LINK CELL CYCLE DYNAMICS WITH SINGLE-
CELL TRANSCRIPTOMICS

Jenna Tageddine, University of Windsor

ABSTRACT P115

ATYPICAL ACUTE TOXICITIES OF WEEKLY DOCETAXEL WITH RADIATION
FOR CISPLATIN-INELIGIBLE PATIENTS WITH LOCALLY ADVANCED SSC
OF THE HEAD & NECK

Elena Tay, London Health Sciences Centre & Western University

ABSTRACT P117

HIGH MOLECULAR WEIGHT HYALURONAN BLOCKS UVB-INDUCED SKIN
CANCER: A ROLE FOR MUTANT TRP53

11:00 AM

Cornelia Tolg, Schulich School of Medicine and Dentistry

AUGUSTUS III

ABSTRACT P119

REDEFINING 'NORMAL': A CANADIAN CASE STUDY OF CANCER
SURVIVORS' EXPERIENCES REMAINING AND/OR RETURNING TO WORK
DURING THE COVID-19 PANDEMIC

Carolyn Tran, University of Windsor

ABSTRACT P121

AVIAN FLU DETECTION VIA PHOTOTHERMAL PHASE MODULATION IN
AN OPTICAL FIBER-BASED INTERFEROMETER

Armaghan Vahidnia, York University

ABSTRACT P123

PSYCHOMETRIC PROPERTIES OF A MEASURE FOR MOTIVATORS FOR
ELECTRONIC CIGARETTE USE

Nicole Wall, University of Windsor

ABSTRACT P125

COURAGEOUS CONVERSATIONS IN CARE: USING AN INDIGENOUS-
FOCUSED SIMULATION TO TAKE ACTION AGAINST RACISM

Sara Williams, University of Windsor


ABSTRACT P127
CONSEQUENCES OF RB TRIPLE KNOCKOUT ON CELL SIZE AND
APOPTOSIS IN MOUSE EMBRYOS
Fadya Youssef, University of Windsor

ABSTRACT P129
ALLOSTATIC LOAD AND DEMENTIA AMONG MIDDLE-AGED AND OLDER
ADULTS WITH AND WITHOUT CANCER BY RACE/ETHNICITY
Alyssa Zokvic, Henry Ford Health


ABSTRACT P131
PHOTOTHERMAL IMPRINTED POLYMER-BASED MICROFLUIDIC
BIOSENSOR FOR RAPID HEPATITIS C VIRUS DETECTION AND
QUANTIFICATION
Hasti Navab, York University


Rapid Fire Posters


11:00 AM


ABSTRACT P133 
ADULT SEXUAL RISK BEHAVIOUR IN A CANADIAN SAMPLE OF TWO-
SPIRIT, TRANS, AND NON-BINARY SURVIVORS OF CHILDHOOD SEXUAL
ABUSE
Oliver Cheek, University of Windsor

AUGUSTUS III

ABSTRACT P134 
VACCINE HESITANCY AMONG PEOPLE EXPERIENCING HOMELESSNESS:
DETERMINANTS AND STRATEGIES TO IMPROVE UPTAKE – A
SYSTEMATIC REVIEW
Reyad Elzaanoun, Schulich School of Medicine and Dentistry


ABSTRACT P135 
THE ROLE OF SPY1 IN MAMMARY INVOLUTION AND ONCOGENESIS
Isabelle Hinch, University of Windsor


ABSTRACT P136 
INTRAVENOUS ALBUMIN IN SURGICAL ONCOLOGY PATIENTS: A
SYSTEMATIC REVIEW AND META-ANALYSIS
Aviva Moses, Schulich School of Medicine and Dentistry & University
of Windsor


ABSTRACT P137 
HEALTHCARE EXPERIENCES OF ADULTS LIVING WITH BORDERLINE
PERSONALITY DISORDER IN CANADA: A SCOPING REVIEW
Jhanvi Patel & Gurleen Saroya, University of Windsor

ABSTRACT P138 
DIFFERENTIAL HEPATIC GENE EXPRESSION ACROSS FIBROSIS STAGES
IN HEPTACELLULAR CARCINOMA
Mahsa Rahimi, University of Windsor

11:00 AM ABSTRACT P139  AUGUSTUS III
CO-CREATING A UNIFIED RESPONSE: A CROSS-SECTOR IPV TRAINING
INITIATIVE IN WINDSOR-ESSEX
Amal Sleiman, St. Clair College

ABSTRACT P140 
DIFFERENT PATHWAYS, SAME STRUGGLES: SEXUAL WELL-BEING
ACROSS ENDOMETRIOSIS DIAGNOSTIC PATHWAYS
Morgan Sterling, University of Windsor

ABSTRACT P141 
ESTABLISHING RELIABLE INTERNAL EXTRACTION CONTROLS AND
OPTIMIZING THE PERFORMANCE OF THE LOOP-MEDIATED
ISOTHERMAL AMPLIFICATION (LAMP) ASSAY
Lea Tanovic, University of Windsor

ABSTRACT P142 
EYE-BASED INDICATORS OF COGNITIVE WORKLOAD DURING
EXOSKELETON-ASSISTED PATIENT-HANDLING TASKS
Julie Webeck, University of Windsor

12:00 PM **Lunch** AUGUSTUS I & II

12:45 PM **Poster Session B** AUGUSTUS III
ABSTRACT P002
ESTABLISHING A BIOMARKER DISCOVERY PLATFORM TO TRACK
PROGRESSION TO TREATMENT RESISTANT NEUROENDOCRINE
PROSTATE CANCER
Samavia Ahmad, Windsor Regional Hospital & University of Windsor
Hannah Ferasol, University of Windsor

ABSTRACT P004
IMPACT OF CLINICAL TRIAL NAVIGATORS ON CLINICAL TRIAL ACCRUAL
THROUGH MULTIDISCIPLINARY CASE CONFERENCES: A PRE- & POST-
IMPLEMENTATION STUDY
Laith Almasri, University of Toronto

ABSTRACT P006
SEXUAL SATISFACTION OF 2STNB INDIVIDUALS WITH ENDOMETRIOSIS
Nicholas Armstrong, University of Windsor

ABSTRACT P008
FUNCTIONAL METAGENOMIC DISCOVERY OF KANAMYCIN RESISTANCE
DETERMINANTS FROM WASTEWATER METAGENOMES
Sherry Azeez, University of Waterloo

ABSTRACT P010
UTILIZING NOVEL BIOINFORMATICS TOOLS TO EXPLORE CELL CYCLE-
TARGETING APPROACHES AGAINST NEUROBLASTOMA
Adam Bakos, University of Windsor

12:45 PM ABSTRACT P012
IN VIVO ANALYSIS OF VIRAL M12 PROTEIN INTERACTIONS WITH THE
NKR-P1C RECEPTOR IN NATURAL KILLER CELLS
Carolyn Basily, University of Windsor

AUGUSTUS III

ABSTRACT P014
THE “OZEMPIC LIMB”: UNDERSTANDING THE IMPACT OF GLP-1
AGONISTS ON PROSTHESIS USE AND RESIDUAL LIMB CARE IN
AMPUTEE PATIENTS
Janelle Bykowski, Schulich School of Medicine and Dentistry

ABSTRACT P016
A QI INITIATIVE TO MITIGATE IMMUNOTHERAPY-RELATED TOXICITIES
AMONG PATIENTS RECEIVING IMMUNOTHERAPY USING A NOVEL
GRADE 2 TOXICITY TOOL
Aaron Catalan, University of Windsor

ABSTRACT P018
WASTEWATER SURVEILLANCE TO TRACK A GENERATIONAL SCALE
OUTBREAK OF MEASLES IN ONTARIO, CANADA, FEBRUARY –
NOVEMBER 2025
Ryland Corchis-Scott, Great Lakes Institute for Environmental Research

ABSTRACT P020
CLINICAL SCREENING FOR AUTISM SPECTRUM DISORDER AT THE
REGIONAL CHILDREN'S CENTRE: SEX, AGE, SCREENING METHOD, AND
SCQ SCORE ASSOCIATIONS
Amanda DenHartogh, Hôtel-Dieu Grace Healthcare

ABSTRACT P022
ONCOLOGY PROVIDER PRACTICES AND PERSPECTIVES ON
AMBULATORY THROMBOPROPHYLAXIS
Beatrice Flores, Maira Chaudhry, Moe El-Zein, Fatima Hamad,
University of Windsor

ABSTRACT P024
EXPLORING NKR-P1C RECEPTOR FUNCTION IN INNATE IMMUNITY
Ronaldo Eid, University of Windsor

ABSTRACT P026
INVESTIGATING NKR-P1C RECEPTOR FUNCTION IN NATURAL KILLER
CELL REGULATION VIA RECOGNITION OF VIRAL M12 PROTEIN
Meelad Elias, University of Windsor

12:45 PM

AUGUSTUS III

ABSTRACT P028
BECOMING CULTURALLY COMPETENT: A NARRATIVE INQUIRY OF
TRANSFORMATIVE LEARNING IN AN INTERNATIONAL,
INTERPROFESSIONAL NURSING PLACEMENT
Bayan Nasra, University of Windsor

ABSTRACT P030
A NOVEL BIOBANK TO TRACK INFECTIOUS DISEASES AMONG CANCER
PATIENTS IN THE WINDSOR-ESSEX REGION
Elizabeth Fidalgo da Silva, University of Windsor & INSPIRE

ABSTRACT P032
DIFFERENTIATION OF STAPHYLOCOCCUS AND STREPTOCOCCUS
SPECIES USING LASER-INDUCED BREAKDOWN SPECTROSCOPY
Jasmine Fric, University of Windsor

ABSTRACT P034
ASSESSING KNOWLEDGE, ATTITUDES, AND PRACTICES REGARDING
CANCER SCREENING AMONG SOUTH ASIAN IMMIGRANTS IN
WINDSOR-ESSEX
Amina Shahzad, University of Windsor

ABSTRACT P036
CHARACTERIZATION OF S. AUREUS PROLINE DEPENDENT GROWTH IN
MACROPHAGES

Sajal Ghai, University of Western Ontario

ABSTRACT P038
SPATIOTEMPORAL VARIABILITY IN WASTEWATER-DERIVED
CARBAPENEM-RESISTANCE GENES FROM MUNICIPAL SOURCES IN THE
LAURENTIAN GREAT LAKES CATCHMENT

Ethan Harrop, Great Lakes Institute for Environmental Research

ABSTRACT P040
A DROSOPHILA MODEL OF DIABETIC NEUROPATHY

Gwen Haslam, University of Windsor

ABSTRACT P042
EPIGENETIC AND TRANSCRIPTOMIC ANALYSIS OF CELL CYCLE GENES
IN MULTIPLE MYELOMA AND PATIENT PERSPECTIVES ON BARRIERS TO
ASCT

12:45 PM

Aser Herman & Ava Albonaimi, University of Windsor

AUGUSTUS III

ABSTRACT P044
MULTIMODAL IMAGING CHANGES AND OUTCOMES WITH THE
TREATMENT OF MACUMIRA IN DRY AMD

Ramneek Brar & Brian Dinh, University of Windsor

ABSTRACT P046
REGULATION OF THE MYOTUBULARIN FAMILY OF LIPID
PHOSPHATASES BY MITOGEN-ACTIVATED PROTEIN KINASES

Dylan Ing, University of Windsor

ABSTRACT P048
DISSECTING THE ROLE OF CELL CYCLE INHIBITORS IN PROSTATE

Christian Kassa, University of Windsor

ABSTRACT P050
STRAIN- AND INDIVIDUAL-SPECIFIC EFFECTS OF PREBIOTICS ON GUT
BACTERIA

Suyang Jia, Western University

ABSTRACT P052
CELL-TYPE-SPECIFIC MECHANISMS IMPLICATED IN MRNA
TRANSLATION AND MEMORY IN AGING AND ALZHEIMER'S DISEASE

Rogers Koboji, University of Windsor

ABSTRACT P054
EXPLORING PRINCIPLES OF THE INTERPLAY BETWEEN GLIOMA STEM
CELLS AND THE ENDOTHELIAL COMPONENT IN GLIOBLASTOMA
Tasneem Labak, University of Windsor

ABSTRACT P056
CAN SEXUAL SELF-EFFICACY BE A PREVENTATIVE FACTOR AGAINST
TECHNOLOGY-FACILITATED SEXUAL VIOLENCE?
Angela Lockyer, University of Windsor

ABSTRACT P058
LIVED EXPERIENCES OF TYPE 1 DIABETES: EXPLORING YOUNG ADULTS'
PERSPECTIVES OF DIABETES DISTRESS, ILLNESS IDENTITY, AND SELF-
COMPASSION
Krista Lucier, University of Windsor

12:45 PM ABSTRACT P060
SPY1-MEDIATED CELL CYCLE REGULATION AS A TARGET TO
OVERCOME GSC-INDUCED THERAPY RESISTANCE IN GLIOBLASTOMA
Hema Priya Magendran, University of Windsor

AUGUSTUS III

ABSTRACT P062
METHODOLOGY FOR THE IDENTIFICATION OF INTERNATIONAL
AGRICULTURAL WORKERS FOR RETROSPECTIVE CHART REVIEWS IN
THE WINDSOR-ESSEX REGION
Natasha J Malakoti-Negad & Divjot Sidhu, University of Windsor

ABSTRACT P064
THE WINDSOR ARITHMETIC COGNITIVE TOOL (WACT): A PILOT STUDY
OF GLOBAL COGNITIVE ASSESSMENT IN NEUROLOGICAL INPATIENTS
Juhi Maraj, University of Windsor

ABSTRACT P066
MOLECULAR IMPRINTED POLYMER-BASED ELECTROCHEMICAL
SENSOR FOR CYTOCHROME C DETECTION AS A BIOMARKER OF LIVER
DAMAGE AND HEPATITIS C
Luna Marouf, York University

ABSTRACT P068
EVALUATING ACCESS PATHWAYS AND SERVICE UTILIZATION AT THE
MENTAL HEALTH AND ADDICTION URGENT CARE CENTRE (MHAUCC):
A RETROSPECTIVE CHART REV
Kevin Matte, Hôtel-Dieu Grace Healthcare

ABSTRACT P070
PATIENT NAVIGATOR IN OPHTHAMOLOGY; OUTCOMES OF
ADDITIONAL SUPPORT
Aimal Memon, University of Windsor

ABSTRACT P072
INVESTIGATING ELF2 α -MEDIATED TRANSLATIONAL CONTROL IN TASTE
MEMORY FORMATION
Joshua Miller, University of Windsor

ABSTRACT P074
IMPAIRMENTS OF CEREBROVASCULAR FUNCTION FOLLOWING ONE
NIGHT OF RESTRICTED SLEEP IN HEALTHY YOUNG ADULTS
Ida-Ehosa Olaye, Schulich School of Medicine and Dentistry

ABSTRACT P076
EXAMINING THE EFFECT OF EDUCATION LEVEL AND JOB SUITABILITY
FOR THE CLINICAL TRIALS NAVIGATOR PROGRAM
Renee Nassar, Clinical Trials Navigator Inc. & University of Windsor

12:45 PM

AUGUSTUS III

ABSTRACT P078
CREATING SPACE FOR GRIEF: A BEREAVEMENT SUPPORT INITIATIVE IN
CRITICAL CARE
Donna Nguyen, Henry Ford Hospital

ABSTRACT P080
CELL-TYPE-SPECIFIC ROLE OF EIF2 α PATHWAY HUMAN ALZHEIMER'S
DISEASE BRAINS
Samuel O A Olotu, University Windsor

ABSTRACT P082
DEVELOPING PEPTIDE DRUGS TO ADDRESS AUTOIMMUNE DISORDERS
Mina Pairawan, University of Windsor

ABSTRACT P084
SYSTEMIC BARRIERS AND MORAL DISTRESS AMONG HEALTHCARE
WORKERS CARING FOR INTERNATIONAL AGRICULTURAL WORKERS: A
QUALITATIVE STUDY
Ryan Palazzolo, Wayne State University

ABSTRACT P086
THE STORIES OF PHYSICIAN LEARNERS' EXPERIENCES WITH BURNOUT
IN THE COVID-19 PANDEMIC
Melissa A Paré, Henry Ford Health & Michigan State University

ABSTRACT P088
LINKING EXPERIMENTAL AND CLINICAL EVIDENCE FOR SPY1 AS A
DRIVER OF TUMOUR SUSCEPTIBILITY AND PROGRESSION DURING
MAMMARY INVOLUTION
Tejas Patel, University of Windsor

ABSTRACT P090
DISSECTING THE DIFFERENTIAL ROLE OF CELL CYCLE PROTEINS IN
BREAST CANCER STEM CELL REGULATION AND TREATMENT
RESISTANCE
Nick Philbin, University of Windsor

12:45 PM ABSTRACT P092
THE VALUE OF HEALTH JUSTICE PARTNERSHIPS IN MENTAL HEALTH
SETTINGS
Aaqilah Razie, University of Windsor

AUGUSTUS III

ABSTRACT P094
DISSECTING MAMMARY GLAND INVOLUTION TO ADVANCE EARLY
DETECTION STRATEGIES FOR POSTPARTUM BREAST CANCER
Kiara Roncone, University of Windsor

ABSTRACT P096
BI-ATRIAL THROMBUS IN TRANSIT ACROSS AN UNDIAGNOSED PATENT
FORAMEN OVALE IN THE SETTING OF PULMONARY EMBOLISM AND
PERSISTENT HYPOXIA
Omar Samarraiet, University of Windsor

ABSTRACT P098
THE ROLE OF MICRORNAS IN DROSOPHILA NOCICEPTION
Cara Scholey, University of Windsor

ABSTRACT P100
MONITORING RESPIRATORY SYNCYTIAL VIRUS SEQUENCE VARIATIONS
USING A NOVEL TILED AMPLICON SEQUENCING METHOD OPTIMIZED
FOR WASTEWATER SAMPLES
Isidora Sekaric, University of Windsor

ABSTRACT P102
ESTABLISHING A MOUSE MODEL FOR THE STUDY OF MALE BREAST
CANCER
Hailey Shiu, University of Windsor

ABSTRACT P104
THE ROLE OF OXYSTEROL-BINDING PROTEIN IN SYNAPTIC VESICLE
CYCLING AND DEVELOPMENT
Niha Sohail, University of Windsor

ABSTRACT P106
EVALUATING UBISOL-Q10 AND ASHWAGANDHA TREATMENT EFFECTS
ON FRAILTY PROGRESSION IN 5XFAD MICE USING AN EXPANDED
FRAILTY INDEX
Ananya Sood, University of Windsor

12:45 PM ABSTRACT P108
MERKEL CELL CARCINOMA: WINDSOR REGIONAL HOSPITAL
EXPERIENCE OF A RARE DISEASE OVER 16 YEARS
Wayne Sun, Schulich School of Medicine and Dentistry

AUGUSTUS III

ABSTRACT P110
EVALUATING REFERRALS OF VERTIGO CASES TO OTOLARYNGOLOGY IN
ONTARIO
Isha Suri, University of Windsor

ABSTRACT P112
TRANSVERSUS ABDOMINUS PLANE BLOCK FOR HEPATIC SURGERY: A
SYSTEMATIC REVIEW AND META-ANALYSIS
Mona Taboun, Schulich School of Medicine and Dentistry

ABSTRACT P114
FRUIT AND VEGETABLE INTAKE ASSESSMENT DURING PREGNANCY: A
COMPARISON OF DIETID AND A SURVEY TOOL
Gracie Taggart, Henry Ford Health & University of Windsor

ABSTRACT P116
FRAUDULENT PARTICIPATION IN HEALTH RESEARCH: A TEXTUAL
EVIDENCE SYNTHESIS OF DETECTION PRACTICES AND ETHICAL
IMPLICATIONS
Noor Khanafer, University of Windsor

ABSTRACT P118

A NOVEL CLINICAL TRIAL FOLLOW-UP MODEL WITHIN THE CLINICAL TRIALS NAVIGATOR PROGRAM: A CROSS-SECTIONAL ANALYSIS OF THE MD FOLLOWUP PROGRAM

Michael Touma, Clinical Trials Navigator Inc.

ABSTRACT P120

THE DYNAMICS OF NURSE-POLICE TEAMS: A STRENGTHS-BASED FOCUSED ETHNOGRAPHIC EXPLORATION

Aubrey Unger, University of Windsor

ABSTRACT P122

EXPANDING ACCESSIBLE COMMUNITY TESTING FOR RESPIRATORY VIRUSES USING SALIVA-BASED QPCR SCREENING

Domenic Varacalli & Maria Badalova, University of Windsor

ABSTRACT P124

UNDERSTANDING REFERRAL DECISIONS TO OUTPATIENT AND OUTREACH STROKE REHABILITATION: A PRELIMINARY ANALYSIS

12:45 PM

Leslee Ward, Hôtel-Dieu Grace Healthcare & University of Windsor

AUGUSTUS III

ABSTRACT P126

ONE HEALTH SURVEILLANCE OF WASTEWATER-ASSOCIATED PATHOGENS AND AMR GENES IN THE HURON-ERIE CORRIDOR: SEASONAL AND EVENT-DRIVEN DYNAMICS

Xuexing Yao, Great Lakes Institute for Environmental Research

ABSTRACT P128

IMPROVING VIRAL DETECTION AND DISCOVERY IN WASTEWATER THROUGH ENRICHMENT STRATEGIES AND METAGENOMIC ASSEMBLY-BASED BIOINFORMATIC PIPELINE

Shahzad Zahedifar, University of Waterloo

ABSTRACT P130

MEASURING MEANINGFUL PATIENT ENGAGEMENT IN RESEARCH: EVIDENCE FROM THE PATIENT ADVISOR PROGRAM

Maya Zreik, Henry Ford Health

ABSTRACT P132

BRIDGING THE GAP BETWEEN EVIDENCE, ORAL HEALTH EQUITY, AND IMPLEMENTATION: A LITERATURE REVIEW

Nesya Walls, Windsor Regional Hospital & Aida Taherkermani, University of Windsor

2:00 PM **Concurrent Session A-1: Breaking Barriers: Rethinking Mental Health Systems** SATURNI

Moderator: Dr. Adrian Guta, University of Windsor

LEARN Moderator: Dr. Onawa Labelle

ABSTRACT O11

FRAGMENTATION, STIGMA, AND INEQUITY: STRUCTURAL BARRIERS TO BORDERLINE PERSONALITY DISORDER CARE IN ONTARIO

Aman Ahluwalia-Cameron, University of Windsor

ABSTRACT O12

PROGRAM LEAD: HOW CAN A PROGRAM FOCUSED ON PROFESSIONAL AND LIFELONG LEARNING EMPOWER HQP AND FOSTER THEIR MENTAL HEALTH

Isabelle Barrette-Ng, University of Windsor

ABSTRACT O13

COPING WITH THE STIGMA OF MENTAL ILLNESS: AN INTERPRETIVE DESCRIPTIVE STUDY OF OUT-PATIENTS IN A PUBLIC MENTAL HEALTH HOSPITAL IN GHANA

Sebastian Gyamfi, University of Windsor

ABSTRACT O14

POLICY ANALYSIS OF INVOLUNTARY SUBSTANCE USE TREATMENT LEGISLATION ACROSS CANADIAN PROVINCES

Kate Scott, University of Windsor

2:00 PM **Concurrent Session A-2: Care in Motion: Improving Quality, Safety & Rehabilitation** LUNA

Moderator: Dr. Swati Mehta, University of Windsor

LEARN Moderator: Theresa Skwara

ABSTRACT O15

FROM RISK TO RESILIENCE: TRANSFORMING FALL PREVENTION IN HOSPITAL CARE

Katrina Billion & Catherine Taylor, Erie Shores HealthCare

ABSTRACT O16

STATISTICAL ANALYSIS OF LENGTH OF STAY PERFORMANCE IN INPATIENT REHABILITATION: A FOUNDATION FOR PROCESS IMPROVEMENT

Edward Matengele & Rashoo Brar, Erie Shores HealthCare

ABSTRACT O17
ENHANCING THE EXERCISE EXPERIENCE: EFFECTS OF VIRTUAL ENVIRONMENT DESIGN ON ENJOYMENT AND AFFECT DURING PHYSICAL ACTIVITY
Samantha Monk, University of Windsor

ABSTRACT O18
ENHANCING STROKE REHABILITATION INTERDISCIPLINARY TEAMS: EXPLORING REHABILITATION NURSING PRACTICES AND PERSPECTIVES
Eric Tanlaka, University of Windsor

2:00 PM

Concurrent Session A-3: Digital Frontiers: Data, Technology & Immersive Health Innovation

Moderator: Dr. Andrew Hubberstey, University of Windsor
LEARN Moderator: Samantha Asher

MARTIS

ABSTRACT O19
SIMULATING SOLUTIONS: A DATA-DRIVEN APPROACH TO RURAL ED CHALLENGES
Matt Bessey, Erie Shores HealthCare

ABSTRACT O20
EXPLORING THE ALL OF US RESEARCH PROGRAM: PRACTICAL APPLICATIONS FOR HEALTH RESEARCH
Samantha D'Agostino-Pinto, University of Windsor & Henry Ford Health

ABSTRACT O21
VIRTUAL INTEGRATED RELIABLE TRANSFORMATIVE USER-DRIVEN E-HEALTH SYSTEMS (VIRTUES) CARDIAC CARE DIGITAL HEALTH PLATFORM
Habib R Khan, Western University

ABSTRACT O22
DEVELOPMENT AND VALIDATION OF THE PEIR-IDEAS SCALE: A CO-CREATED MEASURE OF PATIENT ENGAGEMENT IN RESEARCH
Sara Santarossa, Henry Ford Health & Michigan State University & Ashley Redding, Henry Ford Health

2:00 PM	Concurrent Session A-4: INSPIRE Room Moderator: Jackie Fong, INSPIRE LEARN Moderator: Dawn Mulder	MERCURI
	ABSTRACT O23 SUPPLY CHAIN RESILIENCE: NAVIGATING GEOPOLITICAL DIVERGENCE IN NORTH AMERICAN PHARMACEUTICAL TRADE Terence Dimatulac, Cross Border Institute, University of Windsor	
	ABSTRACT O24 QUANTITATIVE APPROACHES TO OUTBREAK DYNAMICS AND PHARMACEUTICAL SUPPLY CHAIN RESILIENCE Chapin S Korosec, University of Guelph	
	ABSTRACT O25 ACCESSORY GENOME TURNOVER CONTRIBUTES TO THE RISE AND DECLINE OF VANA VANCOMYCIN-RESISTANT ENTEROCOCCUS FAECIUM ST80 Opeyemi U Lawal, Great Lakes Institute of Environmental Research & University of Windsor	
	ABSTRACT O26 DEVELOPING EFFICIENT TARGETED SEQUENCING METHODS FOR THE SURVEILLANCE OF RESPIRATORY VIRUS VARIANTS IN WASTEWATER AND ENVIRONMENTAL SAMPLES Ana Podadera, University of Waterloo	
3:25 PM	Refreshments/Movement Break	LOBBY
3:40 PM	Concurrent Session B-1: Empowering Practice: Education, Workforce & Community Innovation Moderator: Dr. Adrian Guta, University of Windsor LEARN Moderator: Andy Tannous	SATURNI
	ABSTRACT O27 EMPLOYMENT EXPERIENCES OF PHILIPPINE-EDUCATED AND CANADIAN-EDUCATED FILIPINO NURSES IN ONTARIO, CANADA Edward Cruz, University of Windsor	
	ABSTRACT O28 TRAUMA-INFORMED TEACHING PRACTICES: ADVANCING TRAUME- INFORMED PEDAGOGY IN UNDERGRADUATE NURSING EDUCATION Rachel Elliott, University of Windsor	

ABSTRACT O29
LOCAL VOICES ON LOCAL RESEARCH: INTERVIEW-DRIVEN INSIGHTS ON
HEALTH-BASED RESEARCH
Jessica Flammia, WE-SPARK Health Institute

ABSTRACT O30
REGISTERED NURSE PRESCRIBER ROLE IN ONTARIO: BARRIERS AND
FACILITATORS OF ROLE IMPLEMENTATION
Gina Pittman, University of Windsor

3:40 PM

**Concurrent Session B-2: From Bench to Bedside: Transforming
Diagnostics & Therapies**

LUNA

Moderator: Dr. Swati Mehta, University of Windsor
LEARN Moderator: Alexandra Shoust

ABSTRACT O31
IMPLEMENTING TMS PROGRAMMINGS AT HÔTEL-DIEU GRACE
HEALTHCARE: A MIXED METHODS STUDY
Bailey Csabai & Leslee Ward, Hôtel-Dieu Grace Healthcare & University
of Windsor

ABSTRACT O32
SCREENING CANCER CELLS FOR BIOMARKER PROTEINS WITH
IMMUNOPLASMONIC NANOPARTICLES
Scott G Harroun, University of Windsor

ABSTRACT O33
REAL-WORLD CARBOPLATIN USE IN THE NEOADJUVANT TREATMENT
OF ER/PR-NEGATIVE, HER2-POSITIVE BREAST CANCER: A SINGLE-
INSTITUTION EXPERIENCE
Alfred Mina, Windsor Regional Hospital

3:40 PM

**Concurrent Session B-3: Inside the Cell: Molecular Mechanisms &
Genetic Discovery**

MARTIS

Moderator: Dr. Andrew Hubberstey, University of Windsor
LEARN Moderators: Jim Fair & Garry Loeper

ABSTRACT O34
ACCURATE, LONG-READ GENOME SEQUENCING CORROBORATES
EXISTENCE OF AN ENDOGENOUS BARCODE OF SHARED MUTATIONS IN
RHAMM-DEFICIENT LUNG METASTASES
Joseph Butler, Western University

ABSTRACT O35
EPIGENETIC REGULATION OF INJURY-INDUCED NOCICEPTIVE
HYPERSENSITIVITY IN DROSOPHILA MELANOGASTER
Jeffrey S Dason, University of Windsor

ABSTRACT O36
SPHINGOLIPIDS IN SKELETAL MUSCLE: HEALTH & DISEASE
Matthew P Krause, University of Windsor

ABSTRACT O37
LOSS OF CALCIUM-BINDING PROTEIN FREQUENIN RESULTS IN
NOCICEPTIVE HYPERSENSITIVITY THROUGH CHANGES IN NOCICEPTIVE
CIRCUIT EXCITABILITY
Alexandria St. Louis, University of Windsor

3:40 PM

Concurrent Session B-4: Lives in Context: Social Forces That Shape Health

MERCURI

Moderator: Jackie Fong, INSPIRE
LEARN Moderator: VeRonica Mitchell

ABSTRACT O38
HOW SOCIAL CAPITAL AND COVID-19 IMPACTS ARE ASSOCIATED WITH
LIFE SATISFACTION: FINDINGS FROM A NATIONALLY REPRESENTATIVE
CANADIAN STUDY
Alena Auchynnikava, University of Windsor

ABSTRACT O39
COULD HOUSING AND NEIGHBOURHOOD CHARACTERISTICS BE
PROTECTIVE FACTORS FOR LIFE SATISFACTION AGAINST THE ADVERSE
EFFECTS OF COVID-19 RELATED FACTORS
Nazim Habibov, University of Windsor

ABSTRACT O40
OBESITY, AGE, AND THE PREVALENCE OF DIABETES AND
HYPERTENSION AMONG CANADIAN ADULTS
Dingding Li, University of Windsor

ABSTRACT O41
LIVED EXPERIENCES OF 2SLGBTQ+ RECREATIONAL SPORTS CLUB
MEMBERS IN CANADA
A Dana Ménard, University of Windsor

5:05 PM

Closing Remarks & Awards

AUGUSTUS I & II

ORGANIZING COMMITTEE

Thank you to the 2026 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.

Conference Coordinator: Genesis Flores

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Special thanks to the WE-SPARK student volunteers.

THANK YOU

Thank you to all the registrants, speakers, students, sponsors, and community members for joining us for the 2026 Health Research Conference. It was through your support, commitment, and participation that we were able to hold the third 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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Integrated Network for the Surveillance of Pathogens

Vision

An end-to-end approach to build resilience in supply chains supporting Canadian biomanufacturing and health sectors informed by pathogen surveillance and effect cross-border trade policy

Key Pillars


- Pathogen Surveillance
- Detection Technologies
- Supply Chain/Cross-Border Trade & Mobility
- INSPIRE Talent Network (ITN)



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2025-2026 **Igniting Discovery GRANT**

Books From Birth: Supporting Early Literacy Through Hospital-Based Interventions

Dr. Gelsea Pizzuto Serra
Research and Innovation - St. Clair College

Project Description

Early literacy is a powerful predictor of lifelong health and educational outcomes, yet many families, especially in rural or underserved communities, lack access to early reading resources. This project explores the impact of distributing informational books to new parents in hospital-based settings. Conducted at Erie Shores HealthCare in Ontario, the initiative aims to increase parent engagement in early reading practices. Through this research team will evaluate how hospital-based interventions can help bridge gaps in access and readiness for community-level strategies for promoting child development and literacy.

Collaborators
Erie Shores HealthCare
Dr. Munira Sultana

Igniting Discovery GRANT

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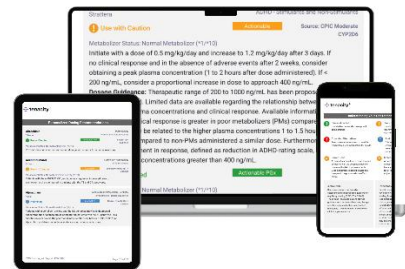
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This test is not a diagnostic test. Clinical decisions should be made in consultation with a licensed healthcare provider.

Congratulations to WE-Spark Health Institute on hosting this year's Health Research Conference

All the best to the 2026 participants!

From your friends at Windsor Regional Hospital, the Windsor Regional Hospital Foundation and the Windsor Regional Cancer Centre Foundation.



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