6th Annual Research Symposium

Research in Aging, Continuing Care and Beyond

Friday, May 13, 2016

Holiday Inn Harbourview, Dartmouth
**Keynote address:**

**Adding Life to Years: Healthy Aging in the Canadian Longitudinal Study on Aging**

The Canadian Longitudinal Study on Aging (CLSA) is a strategic initiative of the Canadian Institutes for Health Research. Launched in 2010, this landmark study of 50,000 Canadians provides a unique resource with vast potential to advance our understanding of adult development and aging. As a study, the CLSA was developed with objectives to examine aging as a dynamic process; to investigate the inter-relationship among intrinsic and extrinsic factors from mid life to older age; and to capture the transitions, trajectories and profiles of aging. As a platform, it was designed to provide infrastructure and build capacity for state-of-the-art, interdisciplinary, population based research and evidenced-based decision making. Over the next 20 years, the CLSA will generate a wealth of information that will contribute to the advancement of science and the development of policy. This presentation provides a description of CLSA participants at study entry, and highlights the potential uses of the data for the study of healthy aging.

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**Opening Plenary:**

**What can the microbiome tell us about frailty?**

The microbiome encompasses the entire set of microorganisms that live in and on us. Technological advances, most notably the advent of extremely fast and cheap DNA sequencing, have enabled detailed studies of the microbiome and its relationship to a diverse range of conditions including colon cancer, Crohn’s disease and dementia. Given the tight linkages between the microbiome and human health, it is plausible that an individual’s microbiome, and particularly their gut microbiome, may influence or be influenced by their frailty status. The associations with frailty and aging reported thus far in the literature have tended to be subtle, but point to a loosely defined set of bacteria as being potentially linked to frailty. We have investigated the linkages between frailty and the microbiome in a set of 45 subjects living at the Northwood care facility in Halifax. All individuals were over the age of 65, with a wide range of frailty scores. Individuals were sampled at 3-5 time points, spaced roughly one week apart, to examine within-individual variation in the microbiome. Detailed information about diet and health status was collected. We found much lower levels of variation within individuals over the course of sampling, and much higher variation between subjects. This presentation will detail our research findings, and outline the potential utility of microbiome sampling in the assessment of patient frailty.
Concurrent Session 1:  
**Quality of Life of Younger Nursing Home Residents**

Younger nursing home residents and their “fit” in the nursing home setting are clearly topics of interest in Nova Scotia. The Canadian Healthcare Association (2009) describes younger nursing home residents as a “small volume but high needs population” who are admitted to nursing homes because of a lack of alternatives for housing and care, family caregiver burden or aging, and financial constraints. Their figures indicate that about 7.8% of residents of Canadian long term care facilities are age 24 to 64.

This panel presentation will highlight work that a small group of researchers, nursing home staff and administrators, nursing home residents and government representatives have done to analyze some existing data about the quality of life of younger adults in Nova Scotia nursing homes, and identify key issues and short and long term priorities for change. The panel will include perspectives of researchers and people who administer, work in, and live in nursing homes. Ideas for future directions will be presented.

Sarah Cluett, BSc  
Recreation Therapist  
Northwoodcare Inc.

Marian Casey, BScN, MHSM  
Director, Clinical Services  
Shannex

Joanne Laradie  
Founding Member  
Independence Now Nova Scotia

Vicky Levack  
Founding Member  
Independence Now Nova Scotia

Marie Earl, PT, PhD,  
Assistant Professor  
School of Physiotherapy, Dalhousie University

Robin L Stadnyk, PhD, OT(Reg)NS  
Assistant Professor and Post-Professional Coordinator, School of Occupational Therapy, Dalhousie University; Faculty of Health Professions, School of Occupational Therapy, Dalhousie University

Mark Johnston, MD, FRCP(C)  
Lecturer, Department of Psychiatry, Dalhousie University; Adjunct Professor, Department of Psychology, Acadia University; Principal Investigator, True North Clinical Research.

Concurrent Session 2:  
**Nova Scotia’s Role in Clinical Research and Development**

Clinical Trials are an important part of improving the lives of Nova Scotians. In this session we will discuss the purpose of Clinical Research and improving the treatments available for individuals living with Alzheimer’s disease, depression, obsessive compulsive disorder, PTSD and diabetes. Improving patient knowledge, enabling patients and family caregivers to play an integral role in their care. We will discuss the particular relevance of research and development within Nova Scotia, ongoing clinical trials and preliminary findings of studies conducted.

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Mark Johnston, MD, FRCP(C)  
Lecturer, Department of Psychiatry, Dalhousie University; Adjunct Professor, Department of Psychology, Acadia University; Principal Investigator, True North Clinical Research.
Agenda, continued

11:30 - 12:15  Concurrent Session 3:  
**Pathways to Primary Health Among LGBTQ Populations and Caregivers in Nova Scotia**

The purpose of this talk is to offer highlights from a recent province-wide survey which looks at the factors that improve health and well-being of LGBTQ populations, as well as the perspectives of health care providers in improving pathways to primary health among LGBTQ patients and clients.

Concurrent Session 4:  
**Back-to-Back Shifts: Health Consequences of Double-Duty Caregiving**

Health care professionals, such as nurses, who also provide care for a family member or a friend at the end of their day experience health consequences from this “double duty”. This presentation examines the physical and mental outcomes of three types of double duty caregivers in comparison to nurses who do not have care responsibilities at home and discusses the implications for the individual, the employer and broader social policy.

12:15 - 1:15  Lunch and Exhibits

1:15 - 1:55  Concurrent Session 5:  
**In Their Opinion: Engaging Caregivers to Evaluate the PATH (Palliative and Therapeutic Harmonization) Experience**

The PATH (Palliative and Therapeutic Harmonization) (Mallery & Moorhouse, 2010) model has been recognized as a leading practice through Accreditation Canada and offers a system-wide model for appropriate and sustainable care for frail older adults. The PATH model focuses on helping frail older adults and their care partners navigate complicated medical decisions through delivery of coordinated and responsive care. The approach uses a standardized comprehensive geriatric assessment to engage the frail older adult and their caregiver and help them understand their overall health, and empowers the patient and care partner to make health-related decisions that are in alignment with quality of life and prognosis. To evaluate the PATH program experience from the perspective of the care partner we have implemented a standardized follow-up phone survey that gathers specific information on the patient health status changes during the PATH program, the usefulness of the service, and the overall effect it has on the stakeholders involved. This presentation will discuss the early follow-up evaluation data as well as the current outcome related data for the first 600 PATH patients completing the program. Early findings illustrate the usefulness of the PATH model in helping to reduce inappropriate care decisions and the benefit of its unique, adaptive approach to managing the changing healthcare status of frail older adults.

**Jacqueline Gahagan, PhD**  
Professor, Health Promotion;  
Director, Gender & Health Promotion Studies Unit (GAHPS Unit); Senior Research Scholar, Atlantic Health Promotion Research Centre (AHPRC), Dalhousie University

**Janice Keefe, PhD**  
Professor and Lena Isabel Jodrey Chair in Gerontology and Director, Nova Scotia Centre on Aging, Mount Saint Vincent University

**Heather Moffatt, BSc, BA**  
PATH Research Coordinator
1:15 - 1:55  Concurrent Session 6:
**The Ripple Effects of Inter-professional Education in Long Term Care Settings**

The demographic shift toward an aging population will place increasing demands on the LTC sector in Nova Scotia. Providers of LTC will need innovative, collaborative solutions for continued quality service delivery. Future professionals are being prepared for collaborative practice through interprofessional education (IPE) in training programs. IPE refers to learning opportunities where learners from two or more health professions learn with, from and about each other (CIHC, 2009). An innovative collaboration between Dalhousie University and Shannex Inc. has brought IPE to Maplestone Enhanced Care, with the development of the Collaborative Learning Centre (CLC). Since 2010, over 100 learners completed placements of three weeks or longer, and nearly 400 learner experiences occurred as shorter placements or learning experiences. Moreover, as part of their involvement with the CLC, learners and faculty provide training sessions for Maplestone staff. A collaborative research team is examining the impacts of IPE on the Maplestone community. This presentation will describe the results of a literature review on impacts of IPE in LTC, as well as the results of a qualitative descriptive study of IPE in LTC. We interviewed key staff informants about their perceptions of the effects of IPE and the presence of learners on the Maplestone community. Suggestions for implementing IPE in LTC will also be provided.

**Ellen Hickey**, PhD, CCC-SLP
Associate Professor, School of Human Communication Disorders, Dalhousie University

**Jennifer Isenor**, PhD
Assistant Professor, College of Pharmacy, Dalhousie University

2:00 - 2:40  Concurrent Session 7:
**Development of the Pictorial Frailty Scale**

Most frailty scales have significant limitations, especially when used in clinical practice. The Pictorial Frailty Scale (PFS) is being developed by a multidisciplinary team at the Division of Geriatric Medicine, Dalhousie University / NSHA. The PFS uses visual prompts to assess a person’s ability in multiple health domains – for example, function, mobility and social activity – to determine their frailty level. This new scale was designed to be simpler, easier to administer, more sensitive to cultural differences, and a more practical approach for identifying frailty compared with previous frailty scales. This interactive presentation will include a review of the development of the PFS and a live test, during which attendees will be asked to complete the scale and provide feedback.

**Olga Theou**, PhD
Geriatric Medicine, Research Scientist, Dalhousie University

**Kayla Mallery**, BSc
Research Assistant, Geriatric Medicine Research
2:00 - 2:40  Concurrent Session 8:  
**Accentuate the Positive**

This research is intended for leadership audiences motivated to explore and develop their own behaviours with the intent of maximizing the positive impact on their followers. The longitudinal research was conducted in the fall of 2015 with four leadership training workshops with Northwood leaders. The research purpose is to understand direct and vicarious positive leadership behaviours and how these behaviours impact employee innovation, coping and burnout levels. We will discuss the results of the research findings during the presentation.

_Heidi A. Weigand, EMBA, PhD_
Candidate  
Lean Six Sigma Blackbelt  
Director, Centre for the Study of Sport and Health, Saint Mary’s University

2:40 - 2:55  Stretch Break and Exhibits

2:55 - 3:35  Afternoon Plenary:  
**What does the evidence say about the efficacy of antidepressants for depression in frail older adults? Older adults with dementia? What is the evidence for the efficacy of antidepressants for the neuropsychiatric symptoms of dementia?**

Optimizing medications is an important priority in the care of older adults and particularly in the care of frail elderly adults. Seniors living in long-term care (LTC) are older and frailer than seniors in the community, and are more likely to have dementia. They also use more medications. The Canadian Institutes of Health Information 2012 report on LTC in five provinces found that nearly two-thirds of residents use 10 or more prescription drugs. Antidepressants (in particular, SSRIs) were the second most common medication used and 58% of residents used an antidepressant (SSRI, TCAs, other antidepressants) and 36% used an SSRI. While antidepressants are used to treat a range of conditions, including depression, anxiety, chronic pain and insomnia, we focused our review on the efficacy of antidepressants for depressive and neuropsychiatric symptoms because of the prevalence of these symptoms in LTC. Our knowledge synthesis involved a rigorous appraisal of the most up to date, randomized, placebo controlled trials for the efficacy of antidepressants for depressive and neuropsychiatric (NPS) symptoms. In this presentation, we will summarize the findings from our review and highlight similarities and discrepancies in existing guidelines, discuss areas of uncertainty and implications for care of older frail adults with and without dementia.

_Heidi A. Weigand, EMBA, PhD_  
Candidate  
Lean Six Sigma Blackbelt  
Director, Centre for the Study of Sport and Health, Saint Mary’s University

_Laurie Mallery, MD, FRCPC_  
Professor, Geriatric Medicine, Dalhousie University  
PATH Co-Founder, Nova Scotia Health Authority

_Evan Bezanson, PhC_  
LTC Consultant Pharmacist, Lawtons Pharmacy
Final Plenary:

**Building on the Culture and Heart of Our Organization Through Person Centred Care (PCC)**

Having a Model of Care reflects not only the provisions of care and services but truly reflects the heart and culture of an organization is no easy feat. Northwood’s In Care Living Program began such a journey in 2010. Being recognized as one in six homes across Canada to be successfully working towards a Person Centre approach to care has lead to the amazing opportunity to work with the Alzheimer’s Society of Canada in the development of the PC PEARLS for dementia care. In 2014, Northwood began a partnership with Saint Elizabeth to be a pilot site for the PCC education program. By embedding its principles throughout In Care Living through the implementation and evaluation of interactive workshops focused on principles and practice of Person Centred Care, we hope to support a culture shift toward Person Centred Care.

**Closing Remarks & Door Prizes**

*Linda Verlinden*

Client Relations Coordinator, Northwood

*Danielle Bender, MA, BA*

Research Associate, Saint Elizabeth Health Care

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**Speaker bios**

**Keynote Speaker:**

**Dr. Susan Kirkland, PhD**

Dr. Susan Kirkland is a Professor in the Departments of Community Health and Epidemiology and Medicine at Dalhousie University. She is trained as an epidemiologist, with expertise in aging, chronic disease epidemiology, health services utilization, and women’s health. She is particularly interested in the interplay between physical, genetic, social, and health system determinants of health as they influence healthy aging. Dr. Kirkland is one of three principal investigators leading the Canadian Longitudinal Study on Aging, a 20-year study of 50,000 Canadians funded by the Canadian Institutes of Health Research (CIHR) and the Canada Foundation for Innovation (CFI). In addition, she is an investigator on numerous population based epidemiologic studies including the Canadian Multicentre Osteoporosis Study (CaMos), and other large-scale initiatives on aging, including the AGE-WELL National Centre of Excellence. She also leads studies in physical activity and obesity, HIV and aging, frailty, and technologies to support aging in place. Dr. Kirkland has been on the Board of Governors at Northwood since 2008.
Presenters:

Danielle Bender, BA, MA
Danielle has 12 years’ experience as a researcher in both the private and public sector. In her role as Research Associate at Saint Elizabeth, she has spent the past six years leading research initiatives focused on person and family-centred care and how to embed this approach throughout home, community and LTC organizations. Most recently, she has developed and evaluated evidence-informed person and family-centred care education programs for all levels of the organization. Danielle also routinely performs various research activities such as literature and jurisdictional reviews, program evaluations, knowledge translation and exchange, and primary data collection through surveys, interviews and focus groups. Danielle has an M.A. in Criminology and an Honours B.A. in Psychology from York University.

Evan Bezanson, PhD
Evan graduated from the College of Pharmacy, Dalhousie University in 2011 and is currently working towards a certification in geriatric pharmacy. His experience in the long term care sector includes various areas of medication-use management, polypharmacy and patient-centred care. He has participated in many quality improvement initiatives and is currently developing a stewardship program for antipsychotic medication use in long-term care. Evan is the long-term care consultant for Northwood-Ivany Place and Shoreham Village.

Robert Bieko, PhD
Robert Beiko is a Canada Research Chair in bioinformatics – the computational analysis of biological data, in particular DNA sequence and related data. His PhD research at the University of Ottawa used machine-learning methods to identify DNA sequences that control the expression of genes. He did a postdoctoral fellowship at the Institute for Molecular Biosciences at the University of Queensland, and performed the first large-scale mapping of lateral gene transfer – the “sharing” of genes, including virulence factors and antimicrobial resistance genes, among microbes. Since taking up his faculty position in 2006 he has developed software for the analysis of microbial genomes and microbial communities. He has also contributed to the bioinformatics community in Canada, serving on the Bioinformatics and Computational Biology National Strategy Committee, and organizing the first Canadian Bioinformatics Workshop in Metagenomic Data Analysis.

Marian Casey, BScN, MHSM
Marian Casey holds a BScN and a Master’s degree in Health Services Management. She is the Director of Clinical Service for Shannex’s 15 licensed Nursing homes in Nova Scotia. She was an active member of the Care & Construction research project undertaken by MSVU and has a keen interest in improving the quality of life and care for clients in long term care.

Sarah Cluett, BSc, RT
Sarah Cluett holds a BSc in Therapeutic Recreation from Dalhousie University and is certified by the National Council for Therapeutic Recreation Certification. She is currently working as a Recreation Therapist at Northwood Halifax specifically with the young adult population.

Marie Earl
Marie Earl is a faculty member in the School of Physiotherapy, Dalhousie University. Her teaching and research is focused on physical activity to protect or restore the balance, mobility, health and quality of life of seniors, and others who live with complex, chronic health conditions. She is also participating, as co-investigator, on TVN and CIHR funded projects on improving palliative care in long term care homes.

Jacqueline Gahagan, PhD
Jacqueline Gahagan, PhD in Medical Sociology is a Professor of Health Promotion at Dalhousie University and Director of the Gender and Health Promotion Studies (GAHPS) research unit. She holds cross appointments in Community Health and Epidemiology, International Development Studies, Gender Studies, Occupational Therapy, and Nursing. Jacqueline is also affiliated with the Beatrice Hunter Cancer Research Institute, the European Union Centre for Excellence, the Health Law Institute at Dalhousie University, and the Atlantic Health Promotion Research Centre. She is a member of several health-focused boards, advisory groups, professional associations, and non-profit organizations. Dr. Gahagan was recently honoured with the Queen Elizabeth II Diamond Jubilee Medal for her work in HIV/AIDS advocacy and research. Her current research focuses on health disparities related to gender and sexually minoritized populations. Her funded research includes an exploration of the breast and gynecological cancer experiences of LBQ women and transgender people, a study on bullying of LGBTQ youth, understanding HIV/Hep prevention for youth, and rapid point of care HIV testing.
Ellen Hickey, PhD, CCC-SLP
Ellen Hickey is an Associate Professor in the School of Human Communication Disorders at Dalhousie University. She has been a speech-language pathologist for over 20 years, with a passion for teaching, research, and clinical practice in the area of neurologically-based communication disorders. She is the co-author of the textbook, “Dementia: From Diagnosis to Management - A functional approach,” with Michelle Bourgeois. For the past five years, she has been involved in an innovative teaching and research collaboration among Dalhousie University faculty members and Shannex Inc. staff and administrators. This project has resulted in implementation of interprofessional health education in a Collaborative Learning Center (CLC) at Maplestone Enhanced Care. Ellen is on the Research Subcommittee of the CLC, which has begun to investigate the impact of learners and IPE at Maplestone.

Jennifer Isenor, PhD
Jennifer Isenor is an Assistant Professor at the College of Pharmacy. Dr. Isenor has 10 years of experience working in geriatrics, including the long-term care setting, as a clinician, preceptor of pharmacy students and/or researcher. Her research focuses on pharmacists’ expanded scope of practice. She is one of the founding members of the Pharmacists as Immunizers (PAI) Research Group, which is currently studying pharmacist immunization activities in the Maritimes. She is a member of the Research Subcommittee of the Collaborative Learning Center at Maplestone Enhanced Care.

Dr. Mark Johnston, MD, FRCP(C)
Dr. Mark Johnston, Psychiatrist, is member of the Royal College of physicians Canada. A Dalhousie University graduate, trained medical physician, Dr. Johnston specializes in geriatric psychiatry, dementia, ADHD, PTSD, bipolar disorder, depression and anxiety among others. Dr. Johnston has been working in private practice as a psychiatrist for over 10 years and resides in the Valley region of Nova Scotia. He has a long standing interest in Clinical research and is the principal investigator at True North Clinical Research, with offices located in Halifax and Kentville.

Janice Keefe, PhD
Janice Keefe, PhD is a Full Professor in the Department of Family Studies and Gerontology at Mount Saint Vincent University. She holds the Lena Isabel Jodrey Chair in Gerontology and is the Director of the Nova Scotia Centre on Aging. From 2002-2012 she was the Canada Research Chair in Aging and Caregiving Policy. Dr. Keefe’s research areas are caregiving policy and practice, continuing care policy and projecting the needs of older Canadians. She has received many awards for her research, particularly her contribution to continuing care in Canada which was recognized by the Canadian Healthcare Association.

Joanne Laradie
Joanne Larade has a background in recreational therapy, child care, youth groups and has sat on many committees. She currently is co-chairperson of INNS (Independence Now Nova Scotia), Board member of Muscular Dystrophy Halifax chapter, Continuing Care Advisory board member and Sagewood volunteer.

Vicky Levack
Victoria Levack is a 25-year-old Gender and Womens’ Studies major at Dalhousie University. She is also a champion for disability rights. When she isn’t advocating for equality on campus, she along with the other women of INNS (Independence Now Nova Scotia) work with the NS government to improve the quality of life for physically disabled young adults living in long term care.

Heather Moffatt, BSc, BA
Heather Moffatt is the coordinator for the PATH (Palliative and Therapeutic Harmonization) program at the Centre of Health Care for the Elderly in Halifax. She earned a degree in Biology from Bishop’s University before going on to work in research at the Southern Alberta Cancer Research Institute at the University of Calgary. She returned to her hometown of Fredericton, New Brunswick to study Gerontology at St. Thomas University and worked in a research capacity with the Dalhousie Family Medicine Research Unit during her time there. She was selected in 2013 as one of Canada’s “Future Leaders in Gerontology” by the Canadian Dementia Resource and Knowledge Exchange.

Kayla Mallery, BSc
Kayla Mallery holds a BSc in Neuroscience from Dalhousie University and has worked as a Research Assistant for the Geriatric Medicine Research team since 2014. Currently, in addition to the Pictorial Frailty Scale project, she is working under the supervision of Drs. Theou and Rockwood on a scoping review focusing on frailty identification and management in pre-hospital in in-hospital settings and on an observational study examining sedentary behaviours of older hospitalized patients.
Dr. Laurie Mallery, MD, FRCPC
Laurie Mallery completed Medical School at the University of Pennsylvania, Internal Medicine training in Chicago at Rush-Presbyterian St. Luke’s Hospital and Geriatric Medicine training at Dalhousie University in Halifax, Nova Scotia. Dr. Mallery is co-founder of the PATH (Palliative and Therapeutic Harmonization) clinic, which provides care planning for frail older adults. She has developed an exercise program for the elderly, a curriculum in Geriatric Medicine for medical students, and interdisciplinary clinical protocols for older adults. Dr. Mallery was a member of the Canadian Expert Drug Advisory Committee (CEDAC) for eight years, a national committee that makes medication reimbursement and formulary recommendations to Provincial drug plans.

Robin L. Stadnyk, PhD, OT(Reg)NS
Robin Stadnyk is a faculty member in the School of Occupational Therapy, Dalhousie University. Her teaching and research focus on health and social policy and practice, and how they influence community-building, community care and the occupational lives of adults and family members or friends who help them.

Olga Theou, PhD
Olga Theou is a Research Scientist in Geriatric Medicine at Dalhousie University and also an Affiliated Scientist with the Nova Scotia Health Authority. She obtained her PhD in the area of Health and Aging from the University of Western Ontario and in 2011-2015 she worked as a postdoctoral fellow at Dalhousie University under the supervision of Dr. Kenneth Rockwood. In 2013, she was awarded a Banting Fellowship, which recognizes exceptional individuals deemed likely to contribute positively to Canada’s economic, social and research based growth. Her research interests include aging, frailty and physical activity.

Linda Verlinden
Linda Verlinden works as Client Relations Coordinator & Navigator for Northwoodcare Inc. in Halifax. A graduate from Cleveland State University with Certification in Patient Advocacy, Linda works closely with the clients, families and departments to ensure the clients’ voice is heard. As the only Department of Health recognized LTC Advocate in the East, Linda brings a broad knowledge base to this growing field.

Heidi A. Weigand, BA, EMBA, PhD Candidate
Heidi is the Director of the Centre for the Study of Sport and Health at Saint Mary’s University. Her research and programs explore the concept of developing leadership and individual behaviours to help develop a safe, respectful, and healthy working climate. Her work includes the development of mental health strategies and research studies in the workplace; resiliency programming for students, student-athletes, youth at risk and employees; as well as resiliency sandbox sessions for community members who want to develop their own resiliency and share it with others.
2016 NORTHWOOD RESEARCH SYMPOSIUM

Friday, May 13, 2016
Holiday Inn Harbourview, Dartmouth

Registration Information

To register, please fill out the form below and mail/fax/email it along with payment to
the Northwood Foundation:

Northwood Foundation
130 Eileen Stubbs Avenue, Suite 1 South
Dartmouth, NS  B3B 2C4
Phone: 902-454-3069
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Email: hcolbers@northwoodfoundation.ca

Name: __________________________________________
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(for Northwood applicants only)

Please check one of the following:

☐ Single registration - $60
☐ Senior (65+) - $25
☐ Student rate - $25
☐ Sponsor/Exhibitor/Presenter/Planning Committee Member - No Charge
☐ Northwood Staff - No charge

Participant substitution is permitted but no refunds will be given. Payment will not be accepted on the day of the event.
If you have special needs (dietary or otherwise) please contact Debra at 902-454-3069 to make arrangements.

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Payment can be made by Visa, MasterCard or cheque.
Cheques can be made payable to the Northwood Foundation: Cheque Enclosed: ☐
Credit cards may also be taken over the phone.
Credit card: ☐ Visa  ☐ MasterCard
Credit card number: __________  __________  __________  __________  Expiry date: _______  _______
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Due to space limitations, concurrent sessions have a maximum registrant capacity. Once that capacity has been reached, later registrants will automatically be assigned to the alternate session.