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**Eastern Great Lakes
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**CANADIAN ASSOCIATION OF NUCLEAR MEDICINE
*ASSOCIATION CANADIENNE DE MÉDECINE NUCLÉAIRE***

**2011 ANNUAL SCIENTIFIC MEETING
RÉUNION SCIENTIFIQUE ANNUELLE 2011**

FACULTY / CONFÉRENCIERS

*Several Speakers' presentations will be available on the
CANM Website after the conference.*

*Plusieurs présentations seront disponibles sur le
site Web de l'ACMN après la conférence.*

**FACULTY LIST / LISTE DES CONFÉRENCIERS****Adachi, Rick**

Dr. Adachi is a Professor of Medicine at McMaster University and he is the Director of the Hamilton Arthritis Centre at St. Joseph's Healthcare in Hamilton, Ontario. He is a graduate of McMaster University and has received his fellowship in Internal Medicine and in Rheumatology. Dr. Adachi is a member of the Osteoporosis Society of Canada and the International Osteoporosis Foundation. Dr. Adachi has conducted many clinical trials and has published extensively on a wide variety of therapies for the prevention and treatment of corticosteroid-induced osteoporosis. Dr. Adachi has co-authored many systematic reviews of a wide variety of osteoporosis therapies and as a result of this knowledge has participated in the development of guidelines for the treatment of primary and corticosteroid-induced osteoporosis in Canada.

Boreham, Douglas

Professor Boreham is from Elliot Lake which was a small uranium mining town in Northern Ontario. He completed his Ph.D. at the University of Ottawa in 1990 and worked for ten years as a Radiation Biologist for Atomic Energy of Canada Limited. He moved to McMaster University in 2000 and in the past eight years has established four new state-of-the-art radiation biology laboratories to study the biological effects of low dose radiation exposures in humans and non-human biota.

Professor Boreham has attracted millions of dollars in research support for McMaster University and is building Canada's first biological microbeam to study the effects of a single alpha particle in cells. He has over 22 years of radiation research experience and his expertise involves radiation cancer risk and genetic effects of radiation on living systems. He has published more than fifty scientific research manuscripts and has won four major teaching awards since moving to McMaster University. He has been invited to give scientific and public lectures about radiation risk around the world.

Chertkow, Howard

Dr. Chertkow is a cognitive neurologist whose clinical and research work both centre around Alzheimer's Disease and dementia. Dr. Chertkow's field of research is termed "cognitive neuroscience" - it attempts to understand the brain basis of behaviour using studies of normal subjects, brain imaging, and testing of individuals with brain damage. His initial focus was cognitive neuropsychological investigations of one component of long-term memory, namely semantic memory. Cognitive testing has been supplemented by evaluation of brain function itself using PET - positron emission tomography, along with other brain imaging modalities: functional Magnetic Resonance Imaging (fMRI), Magnetic Resonance Spectroscopy (MRS), and Transcranial magnetic stimulation (TMS).

Work in the Memory clinic impressed on Dr. Chertkow the need for better tools for early diagnosis of AD. He therefore organized a multidisciplinary team of researchers to look at various means of diagnosing AD at the initial onset of memory loss. These studies of patients with Mild Cognitive Impairment (MCI) have proceeded longitudinally, establishing a set of different approaches to early diagnosis currently being tested. These include cognitive testing, brain imaging measures, and biomarkers such as HO-1.

Cohen, Phil

Dr. Phil Cohen is Division Head of Nuclear Medicine at the Lions Gate Hospital since 1983. He is also Clinical Professor of Radiology at the University of Alberta. Dr. Cohen was born in Calgary, Alberta. He graduated with a

BA from Dartmouth College in 1972 and obtained his MD from the University of Toronto in 1976 and continued to pursue a Specialty Training in Nuclear Medicine from the University of Western Ontario in 1982.

Cresswell, Mark

Dr. Mark Cresswell is Staff Radiologist at St Paul's Hospital, Vancouver, British Columbia. Since November 2007, Dr. Cresswell has been the Director musculoskeletal fellowship program and UBC clinical instructor. Previous to joining St-Paul's Hospital, Dr. Cresswell spent several years in London, UK. From July 2006 to September 2007 he was Consultant Radiologist, MRI modality lead and musculoskeletal services at Ealing Hospital. From June 2005-May 2006 he held the position of Musculoskeletal Radiology fellowship, at the Nuffield Orthopaedic Centre in Oxford. From September 2000 to May 2005, he was at several UK hospitals on a SpR training rotation based at St. Mary's Hospital. Dr. Cresswell is actively involved in Médecins Sans Frontières as a member and on the Boards of the MSF UK and MSF Operational Centre in Amsterdam. Dr. Cresswell has also served in several hospitals in South Africa from 1997 - 2000.

Cronin, Valerie

Val Cronin has been involved in health care management for over 15 years and is recognized locally and nationally for her achievements. Val obtained her bachelor's degree in Biology at St. Bonaventure University and most recently finished her masters in Health Services Administration from D'Youville College. Beginning her career as a staff technologist in Nuclear Medicine she was later elected as President of the Society of Nuclear Medicine Technologist Section. She also holds the status of Fellow for the same society.

Val has taught at the university level, done research and worked as a PET technologist. An accomplished speaker she has spoken in Korea, Japan, Australia and Turkey. Most recently she held the position of President of the Education Research Foundation. Currently she manages the Imaging Services department at Women and Children's Hospital in Buffalo.

Goodbody, Anne

Anne Goodbody is Executive Director, R & D at the Centre for Probe Development and Commercialization (CPDC). She has extensive experience in translating scientific discovery into product development with over 25 years of research and development experience in the biopharmaceutical industry. After receiving a PhD in biochemistry from the University of Cambridge (UK), she held positions of increasing responsibility in a number of biotechnology companies in Canada and the U.S. She managed the development of radiopharmaceuticals at Molecular Insight Pharmaceuticals (Cambridge, MA) and Resolution Pharmaceuticals (Mississauga, ON).

Iwanochko, Mark

Dr. Iwanochko is an assistant professor of medicine at the University of Toronto. He is Medical director of the Robert J Burns nuclear cardiology laboratory and Medical Director for Cardiac Ambulatory care at the University Health Network. He is site director for Cardiology at the Toronto Western Hospital and Medical director of the cardiac clinical trials group at the Toronto Western Hospital. He is trained in Nuclear Cardiology (1997 Diplomate in the Sub-Specialty of Nuclear Cardiology (CCNC)), Echocardiography and Cardiac MRI. His areas of interest include clinical trials, and outcomes research in cardiac imaging.

Jaber, Wael

Wael Jaber, MD, is a staff cardiologist in the Section of Cardiovascular Imaging, Robert and Suzanne Tomsich Department of Cardiovascular Medicine, at the Sydell and Arnold Miller Family Heart & Vascular Institute at Cleveland Clinic. He is board-certified in internal medicine, cardiology, nuclear cardiology and echocardiography. Dr. Jaber specializes in cardiac imaging (both nuclear cardiology and echocardiography) and valvular heart disease. He is fluent in English, French and Arabic.

A native of Lebanon, Dr. Jaber attended college at the American University in Beirut, graduating with a Bachelor of Science in biology. He then went on at the American University to receive his medical degree while making the Dean's honor list. He completed his residency in internal medicine at the St. Luke's-Roosevelt Hospital

Center at Columbia University College of Physicians and Surgeons, where he also completed fellowships in cardiovascular medicine and nuclear cardiology.

Cleveland Clinic offered Dr. Jaber an advanced fellowship in cardiac imaging, which he accepted. Dr. Jaber also has advanced training in interpretation of carotid ultrasound, clinical cardiovascular investigations and advanced echocardiography. He was appointed to the Cleveland Clinic as a staff cardiologist in 2000. He currently heads the center for advanced ischemic heart disease. The center specializes in patients who have coronary artery disease and have been told that they have no local options for treatment.

Dr. Jaber is currently is the Medical Director of the Cardiovascular Imaging Core Laboratory. In this capacity, he focuses on leading a team that provides accurate interpretation for echocardiograms, nuclear stress perfusion images and CT and MRI cardiac scans in the setting of clinical trials.

His clinical and research studies have focused on improving outcomes in acute myocardial infarction, especially patients presenting with acute coronary syndrome and heart failure. He is currently working on multiple clinical investigations in an attempt to integrate multiple cardiac imaging modalities to improve their diagnostic accuracy. He has presented his clinical and research findings at various national and international scientific meetings.

Laurin, Norman

Chief, Nuclear Medicine Department, Centre de Santé et de Services Sociaux de l'Énergie Trois-Rivières, Québec.

Dr. Norman Laurin is Chief of the Nuclear Medicine Department at Centre de Santé et de Services Sociaux de l'Énergie. He is also a member of staff in the Nuclear Medicine Department at the Centre Hospitalier Régional de Trois-Rivières. Dr. Laurin is President-Elect (Vice-President) of the Canadian Association of Nuclear Medicine and he is on the Executive Committee of the Association des Médecins Spécialistes en Médecine Nucléaire du Québec. He is also a Professeur Adjoint d'enseignement clinique at Montreal University and Sherbrooke University.

Leslie, Bill

Dr. Leslie is Professor of Medicine and Radiology at the University of Manitoba. He obtained his specialty training from the University of Manitoba and McGill University, qualifying in Internal Medicine in 1989 and in Nuclear Medicine in 1990. He is clinically active in nuclear medicine and thyroid cancer, and has research interests in osteoporosis testing and other nuclear diagnostic techniques including PET scanning.

Dr. Leslie joined the Scientific Advisory Council of Osteoporosis Canada in 1997. He contributed to the 2002 Guidelines document and to the recent publications "Recognizing and Reporting Vertebral Fractures: Reducing the Risk of Future Osteoporotic Fractures" and "Recommendations for Bone Mineral Density Reporting in Canada". More recently he has been involved in MOHLTC projects addressing bone density testing in men, bone density testing in women age 40-59 years, and updated vitamin D recommendations.

He is currently Chair of the Scientific Advisory Council and Past Chair of the Guidelines Committee for Osteoporosis Canada, on the Board of the International Society for Clinical Densitometry, Director of the Manitoba Bone Density Program, and Co-Director of the Winnipeg PET Imaging Centre.

McEwan, Sandy

Dr. McEwan is currently Chair of the Department of Oncology and the Lead for the School of Cancer, Engineering and Imaging Services within the Faculty of Medicine and Dentistry at the University of Alberta. He is also Medical Director of the Cross Cancer Institute in Edmonton.

Dr. McEwan has been a member of the faculty at the University of Alberta since 1986. He has been instrumental in the development of the Positron Emission Tomography (PET) Programme at the Cross Cancer Institute and

has a clinical interest in the role of the image as a biomarker in the management of patients with cancer. Dr. McEwan's major clinical interest is in the field of endocrine tumors and he has developed the largest radioisotope therapy programme in Canada.

He has been special advisor on Medical Isotopes for the Federal Minister of Health. Dr. McEwan is a member of the Canadian Association of Radiopharmaceutical Scientists, the Society of Nuclear Medicine, the European Association of Nuclear Medicine, and the World Radiopharmaceutical Therapy Council. He is also the past president of the Society of Nuclear Medicine.

Nadel, Helen

Dr. Helen Nadel is a pediatric radiologist and nuclear medicine physician currently on staff in the Department of Radiology at British Columbia's Children's Hospital where she is Head of the Division of Nuclear Medicine. Dr. Nadel is an Associate Professor of Radiology at University of British Columbia. Helen has many publications in the field of Pediatric Nuclear Medicine and lectures extensively in her field. While she describes herself as a generalist, she has a particular interest in the area of oncology and is a past Vice Chair for Nuclear Medicine of the Radiology Committee of the Children's Oncology Group. She is past president of the Pediatric Council of the SNM and of the Pacific Northwest Chapter SNM. The rapid growing field of functional hybrid imaging is allowing her to optimally utilize her dual training in radiology and nuclear medicine in a pediatric setting.

O'Connor, Michael

Michael is interested in using human stem cells to better understand normal human development and disease progression. His current research activity makes use of human pluripotent stem cells (i.e. cells that can produce any cell type of the body) to learn more about cataract, a variety of conditions that involve degradation of the ocular lens leading to blindness.

Michael obtained his PhD from the University of Sydney in 2005, creating an animal-based culture system that can regenerate functional ocular lenses in the laboratory. Upon completing his PhD Michael undertook postdoctoral studies in Vancouver (Canada), where he identified new genes and mechanisms that help maintain the developmental potential of human pluripotent stem cells. Michael has received numerous awards for his work in both the lens and human pluripotent stem cell fields, and together these diverse areas of expertise provide a unique opportunity to understand lens and cataract development using human cells.

Throughout his career, Michael has also maintained an interest in translating academic research findings into biotechnology or clinical applications, through interactions with both Australian and Canadian biotechnology companies.

Palestro, Christopher J.

Christopher J. Palestro is a Professor of Radiology at the Hofstra North Shore - LIJ School of Medicine and Chief of the Division of Nuclear Medicine and Molecular Imaging of the North Shore Long Island Jewish Health System. Board certified in Nuclear Medicine, Dr. Palestro, who is an internationally recognized authority on nuclear medicine imaging of infection, has authored or coauthored more than 125 peer reviewed articles, and more than 50 book chapters and review articles. Besides serving as reviewer for many nuclear medicine journals, Dr. Palestro has been as associate editor of the *Journal of Nuclear Medicine* and currently serves on the editorial boards of *Radiology* and the *Quarterly Journal of Nuclear Medicine and Molecular Imaging*. He is chair of the Infection Section of the SNM Procedure Guidelines Task Force and vice-chair of the Hematopoietic and Musculoskeletal Sections of the SNMs Lifelong Learning Self-Assessment Programs. A life member and past chair of the American Board of Nuclear Medicine, Dr. Palestro currently is chair of the ACGME Nuclear Medicine Residency Review Committee. He also is a member of the NRC Advisory Committee on Medical Uses of Isotopes.

Ruddy, Terrence

Dr. Terrence D. Ruddy, Chair, Division of Cardiology, Division of Nuclear Medicine, Professor, Medicine and Radiology, University of Ottawa Heart Institute, Ottawa, Ontario.

Dr. Terrence D. Ruddy is a Nuclear Cardiologist and Clinician Scientist. He holds the Vered Chair in Cardiology and is Head of the Division of Cardiology at the University of Ottawa Heart Institute and the Ottawa Hospital. Dr. Ruddy is also the Director of Nuclear Cardiology at the University of Ottawa Heart Institute, the University Chair of the Departments of Cardiology and Nuclear Medicine, and the Head of Nuclear Medicine at the Ottawa Hospital. In addition, Dr. Ruddy is Professor of Medicine and Radiology at the University of Ottawa. Along with being a member of the Cardiology Council of the Society of Nuclear Medicine, he is past President of both Blood Pressure Canada and the Canadian Society of Nuclear Cardiology. Dr. Ruddy has received specialist certifications in Internal Medicine and Cardiology from the Royal College of Physicians of Canada (FRCPC) and American Board Certification in Internal Medicine, Cardiovascular Disease, Nuclear Cardiology and Clinical Hypertension. He has received peer-reviewed funding from numerous foundations and institutions, including the Heart and Stroke Foundation of Canada, the National Cancer Institute of Canada, and the Ontario Research Fund.

Singurkar, Amit

Dr. Amit Singurkar is on staff at the Hamilton Health Sciences and St. Joseph's Healthcare - Hamilton since July 2009. Dr. Singurkar is also an Assistant professor in Radiology and Medicine and is based at Juravinski Hospital and Juravinski Cancer Center. Dr. Singurkar did his residency training at McGill University in Montréal, Québec. His fellowship training in nuclear oncology and PET/CT was done at the Memorial Sloan Kettering Cancer Center in New York, NY. Dr. Singurkar's research interests are; evaluation of new indications for PET/CT, tracer development, and assessment of new imaging devices.

Soucy, Jean-Paul

Jean-Paul Soucy, MD, Unit Director, Positron Emission Tomography. Dr. Soucy is a physician whose primary training is in Nuclear Medicine. He has developed an expertise in the human applications of methods for the measurement of cerebral blood flow with SPECT, which he uses both clinically and in different research settings (including absolute quantification of cerebral blood flow). He has worked on approaches to quantify monoaminergic innervations in vitro with the goal of transferring those to in vivo applications using PET. He is also involved in different projects applying signal enhancement techniques to Nuclear Medicine based neuroimaging.

Thornton, John

Dr. Rossiter-Thornton's primary career interests include helping individuals cope with chronic psychological and physical impairment, subtle brain injury and working with the inner spirit to promote health. He lectures widely on many topics related to his work, including spirituality, chronic pain, & post traumatic stress disorder.

Dr. Rossiter-Thornton has authored papers on a variety of topics including chronic pain, schizophrenia and working with patient's relatives. He has co-authored books on schizophrenia. He has published on spirituality in psychotherapy and published THE PRAYER WHEEL™ Program, a non-denominational way to pray.

More recently, he has been using 3-D SPECT technology to assist in evaluating cognitive dysfunction resulting from major psychiatric disorders, chronic pain, subtle brain injury, brain toxicity and infection.

Turcotte, Éric

Dr. Éric Turcotte is a specialist in nuclear medicine since 2004. He graduated from the University of Sherbrooke in 2001. He performed a two year fellowship at the University of Washington Medical Center in Seattle with Dr. Hubert Vesselle. They worked together on several oncologic projects including the use of FLT for lung tumor imaging and artificial neural networks. In 2004, he returned to the University of Sherbrooke as an adjunct professor in the Department of Nuclear medicine and radiobiology. He is also a junior FRSQ clinician-researcher working on early chemotherapy response assessment of lymphomas with FDG and FLT PET. Promoted clinical head of the Molecular Imaging center of Sherbrooke in January 2008, the imaging center received under his administration an Establishment license to produce FDG. The imaging center also owns CTAs for FLT, NaF, FES and now works on other tracers including FET, DOPA and Gallium-68 labeled tracers. Many other clinical and fundamental projects are underway as a PI or co-PI:

brain metabolism of carbon-11 AcetoAcetate in Alzheimer disease, evaluation of head and neck cancer and colon cancer with FLT, search of mARN splicing variants signature in high grade lymphomas, assessing lung nodule transthoracic biopsy quality after an FDG injection. He has been very prolific in scientific papers in oncology and PET-scan and has been an invited speaker in more than thirty meetings regarding the clinical uses of PET.

Urbain, Jean-Luc

Dr. Urbain has been an active member of the Nuclear Medicine community for more than 30 years. Originally a native of Belgium, he earned his Medical Degree at the Catholic University of Louvain, the oldest medical school in Europe. He then pursued training in Internal Medicine and Nuclear Medicine. Dr. Urbain joined the department of Medical Imaging of Temple University Hospital in the early 90's and actively engaged in Nuclear Medicine and Molecular Biology Research at Temple University in Philadelphia where he got his Ph.D. in Genetics and Molecular Biology. Dr. Urbain has been full Professor of Diagnostic Imaging for more than a decade and has held leadership positions in Nuclear Medicine and Molecular Imaging at Fox Chase Cancer Center, the Cleveland Clinic and at the University of Western Ontario. Dr. Urbain was recently recruited by the VA administration in Pennsylvania where he is developing a new nuclear medicine program.

Wong-Pak, Bill

Dr. Wong-Pack is an Assistant Clinical Professor of Radiology at the Faculty of Health Sciences at McMaster University in Hamilton and a practicing physician at St. Joseph's Healthcare in Hamilton. He did his residency in Radiology and Nuclear Medicine at the Toronto General Hospital, and he has Fellowships in Radiology, as well as Nuclear Medicine. The American Board of Radiology also certifies Dr Wong-Pack. He has been actively involved in the field of Osteoporosis Diagnosis for the past twenty years

Ziessman, Harvey

Dr. Harvey A. Ziessman, MD is a Professor of Radiology in the Division of Nuclear Medicine at Johns Hopkins University. He serves as the Nuclear Medicine Residency Program Director and Nuclear Medicine Clinical Director. He received his undergraduate and medical degrees from Indiana University and a Masters of Business Administration (MBA) degree from Georgetown University. He trained in Nuclear Medicine at the University of Michigan and is board-certified in both Internal Medicine and Nuclear Medicine. Dr. Ziessman was at Georgetown University where he served as the Director of Nuclear Medicine from 1991 to 2003. He is the author of a major nuclear medicine textbook entitled *Nuclear Medicine, The Requisites*, now in its 3rd edition. He is the Secretary/Treasurer of the American Board of Nuclear Medicine and a member of the ACGME Nuclear Medicine Residency Review Committee.

