

2023 Grand Plenary Speakers

Wednesday, June 7, 8 am – 12 noon

Featuring the following special guest lecturers!

CNSR – Terbrugge Lecture

Infection and inflammation: radiological insights into patterns of pediatric immune mediated CNS injury



Dr. Manohar Shroff is Professor in the Medical Imaging Department of University of Toronto, Radiologist-in-Chief of the Department of Diagnostic Imaging at the Hospital for Sick Children (SickKids). He also holds the Ontasian Chair of Pediatric Radiology since 2011 and is the chair of the Credentials Committee for Physicians & Clinical Staff at SickKids since 2018.

He has played a significant role in pediatric radiology and neuroradiology education at the national and international levels and has offered significant academic administrative service to SickKids, the University of Toronto and the Royal College of Physicians of Canada. He is a Founder Member for the subspecialty of Neuroradiology at the Royal College. He was the Fellowship Program Director and subsequently the Neuroradiology Program Director for Medical Imaging at the University of Toronto. He has been involved in the training of numerous fellows, residents, postgraduate and undergraduate students in his teaching career and has been granted numerous awards for Excellence in Teaching in the Fellowship and Residency Program at the Department of Medical Imaging, University of Toronto. Dr. Shroff has been awarded 'Excellence in Teaching in the Fellowship or Residency Program' fifteen times between the years of 2002 and 2018. For his dedication as Director of the Fellowship Program and Neuroradiology Program, in 2011 he was presented the "Appreciation of your Dedicated Service" award from the Department of Medical Imaging, University of Toronto. Dr. Shroff has been involved in pediatric radiology education outreach in developing countries, nationally and in the local community. In November 2022, Dr. Shroff was awarded the 'Lifetime Achievement Award' the highest annual Department of Medical Imaging award in recognition of his many contributions.

Dr. Shroff has published nearly 200 publications in peer-reviewed journals. He is co-investigator and collaborator with other researchers and is the lead radiology reader on several clinical trials. Dr. Shroff contributes internationally and was until recently as member of the Board of the American Society of Pediatric Neuroradiology (ASPNR) and currently serves as Chair of the Gold Medal Award Committee of the ASPNR. As an expert in the field of neuroradiology, he has been invited as a lecturer/presenter and a member on panel discussions regarding pediatric radiology education in many symposia and conferences around the globe.



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CNS – Richardson Lecture

The Multiple Sclerosis Prodrome



Dr. Helen Tremlett is Professor at the University of British Columbia, Vancouver, Canada in the Faculty of Medicine, Division of Neurology and Djavad Mowafaghian Centre for Brain Health. Dr Tremlett's research program is funded through operating and foundation grants from the Canadian Institutes of Health Research (CIHR), the MS Society of Canada, the MS Scientific Research Foundation, and the US National MS

Society, among others. Trained in pharmacoepidemiology and multiple sclerosis with a PhD from Cardiff University, UK. Heads the Tremlett Lab and the Epidemiology in MS research program with the vision of fostering excellence in multi-disciplinary clinical and epidemiological research to advance treatment-related knowledge and improve outcomes in those with MS. Ongoing research studies include: the MS prodrome, safety and effectiveness of the disease-modifying drugs for MS; pharmacogenomics; risk of MS in special populations; impact of comorbidities on MS outcomes; and the gut microbiome and MS.

- Over 200 peer-reviewed articles accessible via Pubmed: Search Tremlett at www.ncbi.nlm.nih.gov/pubmed
- Team website: epims.med.ubc.ca, Email: helen.tremlett@ubc.ca
- Blog: Tremlett's MS Research Explained tremlettsmsresearchexplained.wordpress.com

CSCN Gloor Lecture

Muscle MRI Transforming Care in Neuromuscular Disease



Dr. Jodi Warman-Chardon is a Clinician-Scientist in the Department of Medicine at the Ottawa Hospital, Ottawa Hospital Research Institute (OHRI) in Neurosciences and Clinical Epidemiology and Department of Genetics at the Children's Hospital of Eastern Ontario/CHEO RI. She holds the Clinical Research Chair in Diagnosis and Discovery Pipeline for Patients with Genetic Neuromuscular Disease at the University of Ottawa. Dr. Warman received

her MD/Neurology residency at the University of Ottawa and MSC from Queen's University. She completed research and clinical fellowships in neuromuscular disorders from McGill University and neurogenetics at the University of Ottawa and is certified by the Canadian Society of Clinical Neurophysiologists (EMG). She led the strategic development and is now Director of the Ottawa Hospital Neuromuscular Centre, a diagnostic clinical research centre for patients with neuromuscular diseases. She is also co-director of the uOttawa Centre for Neuromuscular Disease, which unites over 60 clinical and basic researchers. Dr. Warman-Chardon's research program and clinical practice focuses on the diagnosis and the clinical characterization of patients with rare or novel inherited neuromuscular disease by Magnetic Resonance Imaging (MRI) and genomics technologies.

CACN Tibbles Lecture

The Paradox of Infection and Childhood Stroke



Dr. Heather Fullerton is a pediatric vascular neurologist and clinical investigator at the University of California, San Francisco. After completing medical school at Baylor College of Medicine (Houston, TX), she moved to the University of California, San Francisco (UCSF) for her pediatrics residency, child neurology and vascular neurology fellowships, and master's in clinical research. She joined the UCSF faculty in 2003. She

is the Kenneth Rainin Chair in Pediatric Stroke Care, Chief of Child Neurology in the UCSF Department of Neurology, and medical director of the Pediatric Brain Center at UCSF Benioff Children's Hospital.

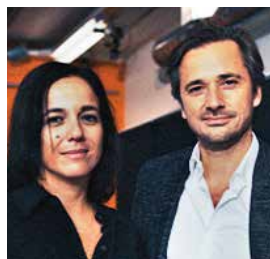
Dr. Fullerton's primary research efforts have focused on understanding the complex relationships between infection, inflammation, and arterial ischemic stroke in childhood. She has had continuous NIH funding for over two decades, leading international, multicenter prospective cohort studies in this area. She also has a research interest in hemorrhagic stroke, which accounts for half of all strokes seen in children. She is the Center and Training Director of the AHA-Bugher Center of Excellence in Hemorrhagic Stroke Research at UCSF.

Dr. Fullerton is the principal investigator of the first NIH StrokeNet childhood stroke treatment trial. The Focal Cerebral Arteriopathy Steroid (FOCAS) Trial, which began in February 2023, is a comparative effectiveness trial of corticosteroids for the treatment of focal cerebral arteriopathy of childhood (FCA), an inflammatory, post-infectious cerebral arteriopathy that affects otherwise healthy children.

Dr. Fullerton is also the founding President of the International Pediatric Stroke Organization (IPSO), a nonprofit organization that aims to improve the prevention, care, and lifelong outcomes of children with cerebrovascular disease worldwide. Additionally, she serves as a co-mentorship officer and executive committee member of the NINDS Child Neurologist Career Development Program (CNCDP), a national K12 program that aims to train and support the next generation of academic child neurologists.

CNSS Penfield Lecture

Technologies to restore neurological functions after spinal cord injury



Dr. Jocelyne Bloch is neurosurgeon and Professor of neurological medicine at the University Hospital Lausanne (CHUV) where she leads the functional neurosurgery unit.

Dr. Grégoire Courtine is Professor of neuroscience at the Swiss Federal Institute of Technology Lausanne (EPFL). They cofounded .NeuroRestore,

a center dedicated to the development of neurotherapies involving neurosurgical interventions. They are known worldwide for the conception of neuroprosthetic implants that restored walking in people with chronic paralysis. They also cofounded ONWARD medical; a start-up that aim to translate their discoveries into medical products.

CSC Sandra Black Lecture

Small Vessels Cause Big Problems: Advances in Understanding the Pathophysiology of Cerebral Small Vessel Disease



Dr. Eric Smith is Professor of Neurology, Radiology, and Community Health Sciences at the University of Calgary, and the holder of the endowed Kathy Taylor Chair in Vascular Dementia. He directs the Cognitive Neurosciences Clinic at Foothills Medical Centre and is a member of the Calgary Stroke Program. Dr. Smith graduated from McGill University, trained in Neurology in teaching hospitals of Harvard Medical School, and was

Assistant Professor of Neurology at Harvard University before being recruited to Calgary in 2008. He has received the Robert G. Siekert New Investigator Award in Stroke from the American Heart Association and has been elected to the Royal Society of Canada College of New Scholars, Artists, and Scientists. Dr. Smith is interested in how cerebral small vessel diseases, including cerebral amyloid angiopathy, contribute to risk for cognitive decline and dementia..

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