

SAVE THE DATE

Annual Scientific Meeting

MAY 10-13, 2022

HOTEL BONAVENTURE MONTREAL

@CanadianPain

#CanadianPain22



Canadian Pain Society's 42nd Annual Scientific Meeting

Learning Objectives

At the end of this conference, participants will be able to:

- foster collaborative relationships and knowledge exchange between research scientists, health care professionals, trainees, and persons with lived experience, all with a shared focus on pain;
- highlight and critically discuss recent research on the mechanisms and management of pain with our diverse, multidisciplinary membership; and
- facilitate activities and understanding that will help improve access to high quality pain care, including preventing and treating pain more effectively.

Disclaimer: Days and times subject to change.

Tuesday, May 10th: Pre-Meeting

TIME	EVENT	LOCATION
13:00 – 17:00	SIG Workshop	
16:00 – 18:30	Registration	Inscription
	WELCOME	
18:30 – 21:00	Welcome Reception	Ville-Marie

Wednesday, May 11th: Day 1

TIME	EVENT	LOCATION
07:00 – 08:00	Registration	Inscription
07:00 – 08:00	Breakfast and Poster setup	St. Laurent
07:00 – 08:00	Annual General Meeting (members only)	Montréal 4-5
08:00 – 08:30	Opening Remarks	Montréal 4-5
08:30 – 08:45	Special Address	Montréal 4-5
08:45 – 09:30	Mary Ellen Jeans Keynote – Title TBC Maria Fitzgerald	Montréal 4-5
09:30 – 09:45	Poster Pitches	Montréal 4-5
09:45 – 10:30	Break Posters Exhibit Hall	St. Laurent
10:30 – 12:00	Concurrent Sessions – Block 1	
	A) Sexual dimorphism in the neuroimmune response to pain	Montréal 2

	Nader Ghasemlou, Bradley Kerr, Vivianne Tawfik At the end of this session, participants will be able to: • Describe how nociception is differentially affected by circadian rhythms in a sex-specific manner • Describe the peripheral pathways that lead to central MS pain in male and female mice • Describe how peripheral and central myeloid lineage cells contribute to chronic pain in a sexually dimorphic manner	
	B) The impact of another's pain: Psychological, physiological, and neural sequelae of observing pain in loved ones Rebecca Pillai Riddell, Shaylea Badovinac, Tine Vervoort, Marina Lopez Sola At the end of this session, participants will be able to: • To examine associations between parents' physiological arousal and parents' soothing behaviours during toddler immunizations. • To explore interrelationships between parents' attention to child pain, physiological and emotional reactivity, and pain-related caregiving behaviours in an experimental context. • To discuss the neural networks involved in adults observing their romantic partners' pain during an experimental paradigm.	Montréal 3
	C) Supporting people with chronic pain via multidisciplinary online pain management programs Brigitte Sabourin, Jennifer Stinson, Patricia Poulin At the end of this session, participants will be able to: • Explain the Power over Pain portal's objectives and identify some of the planned activities in meeting these objectives • Compare the programs contained in the Power over Pain portal in terms of targeted patient populations and other considerations in providing helpful recommendations for chronic pain patients who might benefit from the portal. • Describe the preliminary empirical evidence supporting two of the Power over Pain portal's programs.	Montréal 6
	D) Comprehensive Integrated Pain Program-Rehabilitation Pain Service An Innovative Approach for Precision Medicine Dinesh Kumbhare, Wenqing He, Ryan Koh At the end of this session, participants will be able to: • Explain how to conduct a comprehensive pain assessment to capture all potential modulating factors that may affect patients' pain experience • Describe the development of a new database that facilitates collecting a diverse array of clinical data that reflects the multidimensional nature of chronic pain using valid and reliable tools • Describe the integration of machine learning techniques in the processing and analysis of the collected data to recognize patterns of specific chronic pain types to guide safe and effective treatment	Montréal 7

12:00 – 13:30	Lunch Posters Exhibit Hall	St. Laurent
12:00 – 13:30	Special Session: Chronic Pain in Canada – The Trajectory of Pain as a National Health Priority and Health Canada's Response to the Canadian Pain Task Force's Action Plan Fiona Campbell, Maria Hudspith, Linda Wilhelm, Jean-Francois Leroux, Jennifer Novak At the end of this session, participants will be able to: • communicate the work of the Canadian Pain Task Force and its proposed Action Plan • better understand the evidence and the process that led to the Task Force's proposed Action Plan • better understand how Health Canada intends to move forward on the implementation of the Task Force's Action Plan	
13:30 – 15:00	Concurrent Sessions – Block 2 A) Biopsychosocial drivers and consequences of musculoskeletal pain with reflection from a patient's perspective Laura Stone, Massieh Moayedi, Richard Hovey At the end of this session, participants will be able to: • Integrate new knowledge on the molecular drivers of low back pain. • Understand how pain competes for resources, and novel potential therapeutic targets for pain management. • Learning from the person living with chronic pain as a patient perspective consultant. B) Improving Chronic Pain Care with a Single-Entry System: Discussing the development and implementation of central referral and triage in a tertiary care setting Rachel Bosma, Tania Di Renna, Celeste Corkery, Laura Pus At the end of this session, participants will be able to: • To discuss the successful implementation of a central referral and triage model in chronic pain care • To identify the clinical and research benefits of the central intake system • To discuss how a centralized system aligns with a broader Learning Health Systems perspective and the value of this approach for chronic pain care. C) The untold story: Family experiences of chronic pain Maria Pavlova, Katie Birnie, Laura Proulx At the end of this session, participants will be able to: • Provide a patient partner perspective on parenting and living with chronic pain. • Characterize parent-child reminiscing about past pain flare-ups and examine the influence of parent-child reminiscing on pediatric pain outcomes. • Explore how parent chronic pain and concurrent mental health concerns can be feasibly and acceptably addressed in the context of pediatric pain care.	Montréal 2 Montréal 3 Montréal 6

	D) New approaches to modelling clinically relevant aspects of pain using neuroimaging in healthy subjects Tim Salomons, David Seminowicz, Lizbeth Ayoub At the end of this session, participants will be able to: - Appraise current approaches to examining individual differences in pain response - Demonstrate how new models might help us examine these individual differences - Identify patterns of neural response associated with individual differences in pain response	Montréal 7
15:00 – 16:00	Break Posters Exhibit Hall	St. Laurent
16:00 – 17:30	Concurrent Sessions – Block 3	
	A) Large-scale publicly available datasets provide novel insights into pathophysiology of chronic pain - focus on the UK BioBank Luda Diatchenko, Etienne Vachon-Preseau, Andrey Bortsov At the end of this session, participants will be able to: - understand the advantages of large publicly available datasets for studying pain phenotypes and beyond - understand the advantages of deriving predictive models for chronic pain in very large datasets. - understand the variety and use of omics data publicly available to the pain researchers	Montréal 2
	B) New Insights in Pain Management of the Preterm Infant Ruth Grunau, Manon Ranger, Mia McLean, Marsha Campbell-Yeo At the end of this session, participants will be able to: - Describe most recent evidence on short-term effects of early repetitive pain and/or sucrose exposure on neuroinflammatory markers and cell morphology in a mouse model. - Describe effects of early analgesics and pain exposure on neonatal brain and child cognition and behaviour in children born very preterm. - Describe current evidence comparing administration of oral sucrose and parent-led pain-relieving interventions to better recognize biobehavioural and evoked brain responses to neonatal procedural pain and inform uptake of parent-led interventions.	Montréal 3
	C) TBD	Montréal 6
	D) Trainee Workshop – TBD	Montréal 7
19:00 – 22:00	Trainee Social	Off-site at TBC

Thursday, May 12th: Day 2

TIME	EVENT	LOCATION
07:00 – 08:00	Breakfast and Poster Setup	St. Laurent
08:00 – 08:15	Opening Remarks	Montréal 4-5

08:15 – 09:00	Plenary Session – Title TBC Nanna Brix Finnerup	Montréal 4-5
09:00 – 9:45	Plenary Session – Title TBC Allan Basbaum	Montréal 4-5
9:45 – 10:30	Break Posters Poster Judging Exhibit Hall	St. Laurent
10:30 – 12:00	Concurrent Sessions – Block 4	
	A) Epiregulin and EGFR interactions as critical contributors to pain processes and a new therapeutic pain target Luda Diatchenko, Loren Martin, Greg Neely At the end of this session, participants will be able to: • Upon completion of this session, attendees will be able to understand the potential of EGFR and EREG as novel non-opioid pain therapeutics • Upon completion of this session, attendees will be able to describe the functional validation of human genetics data using fruit flies as a powerful approach for identifying critical pain genes and pathways like EGFR/ EREG. • Upon completion of this session, attendees will be able to understand the analgesic role of EREG during the early stages of pain, and, an opposite-pronociceptive role in establishing chronic pain.	Montréal 2
	B) Critical Social Science Approaches to Chronic Pain and Marginalization Fiona Webster, Laura Connoy, Lise Dassieu, Bruce Wallace At the end of this session, participants will be able to: • Differentiate between critical social science and biomedical approaches to chronic pain and discuss how these approaches can be integrated through interdisciplinarity • Offer suggestions for how future approaches to chronic pain research can incorporate social science approaches to explore or include marginalization • Provide examples of social science approaches to chronic pain and marginalization by sharing results of several studies	Montréal 3
	C) Medical Cannabis and Cannabinoids for Chronic Pain: Current evidence and knowledge gaps Fiona Campbell, Jason Busse, Hance Clarke, John Brown At the end of this session, participants will be able to: • Criticize contrasting guidance recommendations regarding medical cannabis for chronic pain • Demonstrate the importance of generating scientific data that reflects practical use of cannabis for chronic pain • Discuss the critical role that patient partners have in the development of guidance for medical cannabis and chronic pain	Montréal 6
	D) "I feel more confident now and more empowered to give myself more love": Developing self-management skills and empowering chronic pelvic pain patients. Rachael Bosma, Tania Di Renna, Wendy Carter, Rose Robbins, Emerelda Burke	Montréal 7

	At the end of this session, participants will be able to: • To discuss chronic pelvic pain from a biopsychosocial perspective and its impact on patient health and quality of life. • To discuss interdisciplinary and self-management approaches to chronic pelvic pain management. • To describe the experiences, impacts, and outcomes of patients who have completed the Pelvic Empowered Management Program.	
12:00 – 13:30	Lunch Posters Exhibit Hall	St. Laurent
12:00 – 13:30	Special Session: Shift the Narrative: Strengths-based and Culturally Safe Considerations for Better Pain Care and Policy Related to Indigenous Peoples Margot Latimer, John Silliboy, Courtney Pennell, Katie Gloade At the end of this session, participants will be able to: • Recognize how colonizing historical events such as Indian Residential School and Indian Day School impact Indigenous Peoples current health and healthcare pain experiences • Recognize why and how to meaningfully engage Indigenous Peoples in trauma-informed and culturally safe health care • Identify ways that clinicians and organizations can use evidence and landmark reports such as the Truth and Reconciliation Commission (TRC) Calls to Action and the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), Missing and Mur	
13:30 – 15:00	Concurrent Sessions – Block 5	
	A) The role of the gut microbiome in chronic pain - mechanisms and clinical implications Arkady Khoutorsky, Amir Minerbi, Weihua Cai, Yoram Shir At the end of this session, participants will be able to: • Upon completion of this session, attendees will be aware of the altered microbiome composition observed in humans with fibromyalgia, accompanied by changes in circulating bacterial metabolic end-products • Upon completion of this session, attendees will be aware of the role of the gut microbiome from fibromyalgia patients in causing pain hypersensitivity in rodents • Upon completion of this session, attendees will be aware of the limitations of the currently available diagnostic and therapeutic tools to treat chronic pain, and the hope that the gut microbiome could be harnessed to improve our ability to prevent, diagnose and treat chronic pain conditions.	Montréal 2
	B) Innovations in Primary Dysmenorrhea across the Lifespan: Perspectives on Conceptualization and Treatment Michelle Gagnon, Kayla Wall, Nicole Alberts At the end of this session, participants will be able to: • have an understanding of the psychological and social factors that influence primary dysmenorrhea experiences across the lifespan. • describe the treatment needs and interests of adolescents and young adults with primary dysmenorrhea.	Montréal 3

	be aware of how psychological and digital interventions can be leveraged to treat primary dysmenorrhea.	
	C) Central mechanisms of pediatric chronic pain: insights from novel neuroimaging studies Melanie Noel, Laura Simons, Marina Lopez Sola, Massieh Moayed At the end of this session, participants will be able to: - Develop an understanding of the complexity and heterogeneity of pediatric chronic pain, and the underlying mechanisms - Identify novel methods for phenotyping pediatric pain patients - Learn how a precision medicine approach can improve treatment outcomes	Montréal 6
	D) An update on neuropathic pain across the lifespan Jennifer Stinson, Anuj Bhatia, Vina Mohabir, Giulia Mesaroli At the end of this session, participants will be able to: - To understand current approach to screening and diagnosing neuropathic pain in children and adults - To understand multi-modal treatment approaches to neuropathic pain in children and adults - To understand the impact of neuropathic pain on children and adults - and the role of multidisciplinary treatment in coping with neuropathic pain.	Montréal 7
15:00 – 16:00	Break Posters Exhibit Hall	St. Laurent
15:30 – 16:00	Special Session	
16:00 – 17:30	Concurrent Sessions – Block 6	
	A) Update on mechanisms of craniofacial pain and their clinical correlates Barry Sessle, Brian Cairns, Carolina Beraldo Meloto At the end of this session, participants will be able to: - Describe recent advances in understanding of the neural processes in craniofacial tissues and the brain that are involved in the development and maintenance of craniofacial pain. - Document the role of molecular mechanisms involving glioplasticity as well as genetic factors in the expression of craniofacial pain and its control. - Identify the implications of these recent findings for the diagnosis and novel management of craniofacial pain conditions.	Montréal 2
	B) Pain and Aging: Developments in Basic and Clinical Sciences Thomas Hadjistavropoulos, Jeff Mogil, Mary-Ann Fitzcharles At the end of this session, participants will be able to: - To present new findings, from animal studies, on the differential effects of pain on lifespan as a function of sex. - To provide an update on recent developments in and outcomes of advanced technologies (e.g., computer vision) in the pain assessment of people with severe dementia and limited ability to communicate.	Montréal 3

	To present research and clinical guidance on the use of cannabis for pain management in older adults.	
	C) Hot Topics Skin-resident dendritic cells control sensory neuron activation through the CCL22-CCR4 axis in postoperative pain Jaqueline Raymondi Silva Chronic Pain and Disability Management in Newfoundland Labrador: A Virtual Stepped Care Approach Julie Dwyer A scoping review: Indigenous experience of pain in Canada Nicole Bailey An investigation into the differential expression of NMDA receptor subunits in the spinal dorsal horn across development, sex, and species Jennifer Armstrong Long-term exposure to morphine induces myelin changes in mice Julia Canet-Pons "Maybe it's something else": how the clinical encounter shapes diagnostic uncertainty in pediatric chronic pain Alexandra Neville At the end of this session, participants will be able to:	Montréal 6
	D) From Risk to Sustainability: The Evolution of Transitional Pain Services Across the Lifespan Joel Katz, Brittany Rosenbloom, Salima Ladak, Katie Birnie At the end of this session, participants will be able to: - identify risk factors associated with the development of chronic postsurgical pain. - describe key ingredients necessary for the development of an effective and sustainable transitional pain service. - consider how partnering with patients and their families, healthcare professionals, and health systems administrators contributes to user-centered design of transitional pain services.	Montréal 7
18:30 – 19:30	Reception	Montréal Foyer
19:30 – 23:00	Awards Gala	Montréal 4-5

Friday, May 13th: Day 3

TIME	EVENT	LOCATION
08:00 – 09:15	Breakfast	St. Laurent
09:15 – 09:30	Opening Remarks	Montréal 4-5
09:30 – 10:00	Distinguished Career Award Keynote Paradigmatic Shifts in Health Research and the Problem of Pain in People with Dementia Thomas Hadjistavropoulos	Montréal 4-5

10:00 – 10:30	Early Career Award Keynote Title TBC Katie Birnie	Montréal 4-5
10:30 – 11:00	Break	St. Laurent
11:00 – 12:30	Concurrent Sessions – Block 7	
	A) A Nobel therapeutic target -TRPV1-expressing sensory neurons Feng Wang, Christophe Altier, Tomoko Ohyama At the end of this session, participants will be able to: - gain new insights about the function of TRPV1-expressing sensory neurons in physiological and pathological conditions. - understand better the current approaches to study the function of sensory neurons, including in vivo calcium imaging, genetics, optogenetics, and chemogenetics. - gain new insights about the plastic change of pain sensation during development and the effect of painful experience at early developmental stage.	Montréal 2
	B) Chronic Multisystem Pains in Ehlers Danlos Syndromes: Diagnostic Framework, Clinical Characterization, And Biopsychosocial Model of Management Hance Clarke, Nimish Mittal, Rosalind Robertson, Maxwell Slepian At the end of this session, participants will be able to: - Identify the gaps in health care experienced by patients living with multisystemic pain disorder of Ehlers Danlos Syndromes - Recognize the spectrum of clinical manifestations, common co-morbidities and evidence-based chronic pain management strategies in patients with Ehlers Danlos Syndromes - Identify psychological and physical comorbidity in Ehlers Danlos Syndrome and Generalized Hypermobility Spectrum Disorder and the role of psychology in a multidisciplinary clinic for these disorders	Montréal 3
	C) Chronic Pain in Canadian Veterans and their Families: Prevalence, Mechanisms, Treatment, and Lived Experience Tom Hoppe, Melanie Noel, Joy MacDermid, Ryan and Rebekah Mitchell At the end of this session, participants will be able to: - To understand the experiences of chronic pain in Veterans and their children, its connection to mental health, and underlying mechanisms. - To describe sex and gender differences in chronic pain treatment options for Veterans. - To understand the lived experiences of a Veteran with chronic pain and a spouse and how pain is experienced within the family context.	Montréal 6
	D) Factors and mechanisms involved in the transition from acute to chronic orofacial pain Ana Velly, Brain Cairns, Ayushi Naaik At the end of this session, participants will be able to:	Montréal 7

	• Examine the potential risk factors implicated in the transition from acute to chronic orofacial pain. • Examine theoretical pathology underlying TMD and examine peripheral and central neurobiological changes that may contribute to the development of chronic pain in this craniofacial pain disorder. • Review the impact and cost of temporomandibular disorders	
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