



**CANADIAN NEUROMODULATION
SOCIETY**

SOCIÉTÉ CANADIENNE DE
NEUROMODULATION

2018

**4-6 February | 4-6 Février, Whistler Château Fairmont, Whistler,
British Columbia | Colombie Britannique**

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

1. Describe the fundamentals and mechanisms of action of neuromodulation.
2. Discuss new scientific data and guidelines to improve patient selection and treatment outcomes for neuromodulation.
3. Identify potential benefits, limitations and complications of neuromodulation therapies.
4. Critically appraise scientific literature and scientific research in the fields of neuromodulation, interventional pain medicine and functional neurosurgery.
5. Analyze and understand psychiatric factors affecting outcomes in the treatment of chronic pain, movement disorders and psychiatric disorders.
6. Discuss and analyze the anatomy and physiology of the CNS, peripheral and autonomic nerves to assist in patient selection, target selection and likelihood of therapeutic success.
7. Discuss the uses of devices for functional electrical stimulation including rehabilitation of motor loss, loss of sensory function, and loss of cognitive function.
8. Explain emerging therapies and research in the field of neuromodulation.

CONFERENCE PROGRAM | PROGRAMME

Sunday, February 4, 2018 | Dimanche, 4 Février 2018

15:00 Pick up conference registration packages | Inscriptions

16:00 **Opening Remarks | Mot de bienvenue :**
Professor Christopher R. Honey
President, Canadian Neuromodulation Society |
Président, Société Canadienne de Neuromodulation

16:15 **Session 1 : Deep Brain Stimulation**
Chaired by | Modérée par Chris Honey
OBJECTIVES:
1 - Participants will identify the benefits for DBS for dystonia;
2 – Describe the treatment of gait disorders and neuromodulation; and
3 – Name the advantages of functional imaging for neuromodulation.

16:15 **The Tasker Lecture:**
Deep brain stimulation for dystonia.
Joachim K. Krauss, MD
Hannover Medical School, Hannover, Germany

17:00 **Neuromodulation for gait.**
Terry J. Coyne, MBBS
University of Queensland, Brisbane, Australia

17:30 **Functional imaging for neuromodulation.**
Juan A. Barcia, MD, PhD
University of Complutense, Madrid, Spain

Session 1: Questions and Answers

18:00

18:30 **Welcome Reception | Soirée de bienvenue**

19:00 **Dinner on your own | Souper libre**

Monday, February 5, 2018 | Lundi 5 février 2018

7:00 *Breakfast | Petit Déjeuner*

8:00 Meeting opening | Début des conférences
Chaired by | Modérée par William McDonald

8:00-9:30 Open Papers | Présentations orales

9:30-10:00 Questions and Answers | Questions et réponses

10:00-10:30 *Break | Pause*
Posters | Affiches

10:30 **Session 2: Before and after neuromodulation**
Chaired | Modérée par Russell Munson & Susan Schellinck

OBJECTIVES:

- 1 - Participants will learn: the benefits of a multidisciplinary approach;*
- 2 – Identify optimal Neuromodulation programming; and*
- 3 – Describe effective treatment strategies before and after implantation.*

10:30-10:45 **The role of psychology.**
Ingrid Fedoroff, Ph.D., R.Psych.
Providence Health Care, Vancouver, BC, Canada

10:45-11:00 **The role of nursing (DBS).**
Nancy Polyhronopoulos, RN/BSN and Mini Sandhu, RN
Vancouver Coastal Health, Vancouver, BC, Canada

11:00-11:15 **The role of nursing (SCS).**
Karen Waterhouse, RN
Saskatoon Health District, Saskatoon, SK, Canada

11:15-11:30 **The role of pharmacy.**
Monica Lawrence, BSP
Regina Qu'Appelle Health Region, Regina, SK, Canada

- 11:30-11:45** **The role of physical/occupational therapy.**
Susan Schellinck, OT
Vancouver Island Health Authority, Vancouver, BC, Canada
- 11:45-12:15** **Session 2: Questions and Answers**

12:15-1:15 **Lunch | Déjeuner**
Posters | Affiches

- 12:45** **Annual General Meeting of CNS**
Assemblée générale annuelle de la SCN

- 13:15** **Session 3: Frontiers in Neuromodulation**
Chaired by | Modérée par Keith MacDougall

OBJECTIVES:

- 1 - Participants will identify: new technologies for neuromodulation in Canada;*
2 – Recognize how to initiate novel research in neuromodulation.

- 13:15-14:00** **The role of rTMS in Neuromodulation.**
Fidel Vila-Rodriguez, MD, MSc
University of British Columbia, Vancouver, BC, Canada

- 14:00-14:45** **HIFU as a tool for neuromodulation.**
Nir Lipsman, MD, PhD
Sunnybrook Health Sciences Centre, Toronto, ON, Canada

- 14:45-15:30** **Brain Computer Interface in Canada.**
Adam Sachs, MD, MSc
The Ottawa Hospital, Ottawa, ON, Canada

- 15:30-16:00** **Session 3: Questions and Answer**

16:00-16:15 **Break | Pause**

- 16:15-17:00** **Posters | Affiches**

- 17:00** **BC Wine reception | Dégustation de vin de la Colombie-Britannique**

18:30

Gala Banquet at Squamish Lil'wat Cultural Centre

Tuesday, February 6, 2018 | Mardi 6 février 2018

7:30 Breakfast | Petit Déjeuner

8:00 Session 4: Intrathecal therapies
Chaired by | Modérée par Alan Berkman
OBJECTIVES:
1 - Describe the use of and current trends in IDDS for cancer pain.
2 – Recognize the risks and complications of IDDS for cancer pain
3 - Consider the ongoing management of IDDS for patients at end of life.

8:00-9:00 Intrathecal therapies in cancer pain.
Lisa Stearns, MD
Center for pain and supportive care, Phoenix, AZ, USA

9:00 Session 5: Sacral and DRG Stimulation
Chaired by | Modérée par Magdy Hassouna
OBJECTIVES:
1 - Consider the indications for sacral neuromodulation.
2 - Describe the techniques and risks of sacral neuromodulation.

9:00-9:45 Applications of Sacral Neuromodulation in Pelvic disorders.
Philip Van Kerrebroecke, MD, PhD
Maastricht University, Maastricht, The Netherlands

9:45-10:30 DRG Stimulation: The Oxford Experience
James FitzGerald, PhD FRCS(SN)
University of Oxford, United Kingdom

10:30-11:00 Session 4 & 5 Questions and Answers

11:00-11:15 Break | Pause

11:15 Session 6: Spinal Cord Stimulation
Chaired by | Modérée par Keith MacDougall
OBJECTIVES:
1- Recognize the various forms of high frequency stimulation in SCS;
2 – Determine how to choose the best waveform for individual patients;
3 - Gain an understanding of future waveforms and therapy in SCS.

11:15 The Kumar Lecture
Understanding the truth about Neuromodulation research.
Simon Thomson, MBBS
Basildon and Thurrock University Hospitals, United Kingdom

12:00-12:45

Session 6: Questions and Answers

12:45

**Awards | Remise de Prix
Concluding Remarks | Mot de clôture**
