



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
- 18:00**            **Session 1: Questions and Answers**
- 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

*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 Answers**
- 16:00-17:00**     **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**

**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**

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