



Banff, Alberta  
June 3-6, 2014


















Home ▾ Objectives Abstracts ▾ Society Prizes ▾ Program ▾ Registration ▾ Exhibit Hall ▾ Committee ▾ Sponsors ▾ Exhibitors



CNSF 49th Annual Congress  
Banff Springs Hotel

# Final Program

Click icon below to obtain detailed information ...

 Registration & Onsite Check In	 Congress Maps	 Abstracts & Presentations	 Grand Plenary Speakers
 Tuesday June 3, 2014	 Wednesday June 4, 2014	 Thursday June 5, 2014	 Friday June 6, 2014
 Course Notes	 Networking & Social Events	 Society & Business Meetings	 Society Prizes
 Banff Springs Hotel	 Current and Emerging Products and Services Exhibit Hall Events	 Supporting the Canadian Neurological Community Sponsors	 Thank You!
 Speakers Information			

CANADIAN  
NEUROLOGICAL  
SCIENCES  
FEDERATION  
FÉDÉRATION  
DES SCIENCES  
NEUROLOGIQUES  
DU CANADA

Canadian  
Neurological  
Society

Canadian  
Association of  
Child Neurology

Canadian  
Neurosurgical  
Society

Canadian  
Society of  
Clinical  
Neurophysiologists



# Congress Details

## Meeting Site

Fairmont Banff Springs Hotel,

405 Spray Avenue Banff, Alberta

Toll Free: 1 866 540 4406

[banffsprings@fairmont.com](mailto:banffsprings@fairmont.com)

**Daytime courses, on Tuesday only, will be held at the Banff Park Lodge.**

Shuttle Service is provided between the Banff Springs Hotel and the Banff Park Lodge throughout the day.

- First shuttle leaves *Banff Springs Hotel* at 7:45 am
- Last shuttle leaves *Banff Park Lodge* at 5:15 pm

Evening SIGs will be held at the Banff Springs Hotel.

## Onsite Registration & Check-In Desk for Delegates and Exhibitors

### Curio Foyer - Mezzanine Level 2

- Tuesday, June 3 6:30 am – 6:00 pm (new opening time)
- Wednesday, June 4 7:00 am – 6:00 pm
- Thursday, June 5 7:00 am – 6:00 pm
- Friday, June 6 7:00 am – 11:00 am

## Registration Details

### Full Registration Includes:

- All sessions June 3 - 6
- All official lunches and breaks
- Exhibitor's Reception
- Course Notes

### One-day Registration Includes:

- Admission to all sessions the day of your registration
- Exhibitor's Reception (if you are registered to attend the Congress on Wednesday)
- Course Notes

## Delegate Badge Designation

- **Blue** - CNSF Members
- **Red** - CNSF Board Members
- **Bronze** - CNSF Committee Members
- **Burgundy** - Invited Guests
- **Yellow** - Speakers
- **Black/Grey** - Exhibitor/Sponsor
- **White** - Non-Member
- **Clear** - CNSF & Intertask Staff

## Future Congress Sites Canadian Neurological Sciences Federation

June 9 - 12, 2015 - Fairmont Royal York Hotel - Toronto, Ontario

## Questions ?

### *Canadian Neurological Sciences Federation*

709 - 7015 Macleod Trail SW, Calgary, AB T2H 2K6

T: 403-229-9544 F: 403-229-1661

[donna-irvin@cnsfederation.org](mailto:donna-irvin@cnsfederation.org)

### *Intertask Conferences*

275 rue Bay Street, Ottawa ON K1R 5Z5

T: 613-238-6600 F: 613-236-2727

[cnsf@intertaskconferences.com](mailto:cnsf@intertaskconferences.com)

## Onsite Contacts

### Canadian Neurological Sciences Federation

**Membership Services Desk** - Mezanine Level 2 - Curio Foyer

[donna-irvin@cnsfederation.org](mailto:donna-irvin@cnsfederation.org)

### Intertask Conferences

**Registration Desk** - Mezanine Level 2 - Curio Foyer

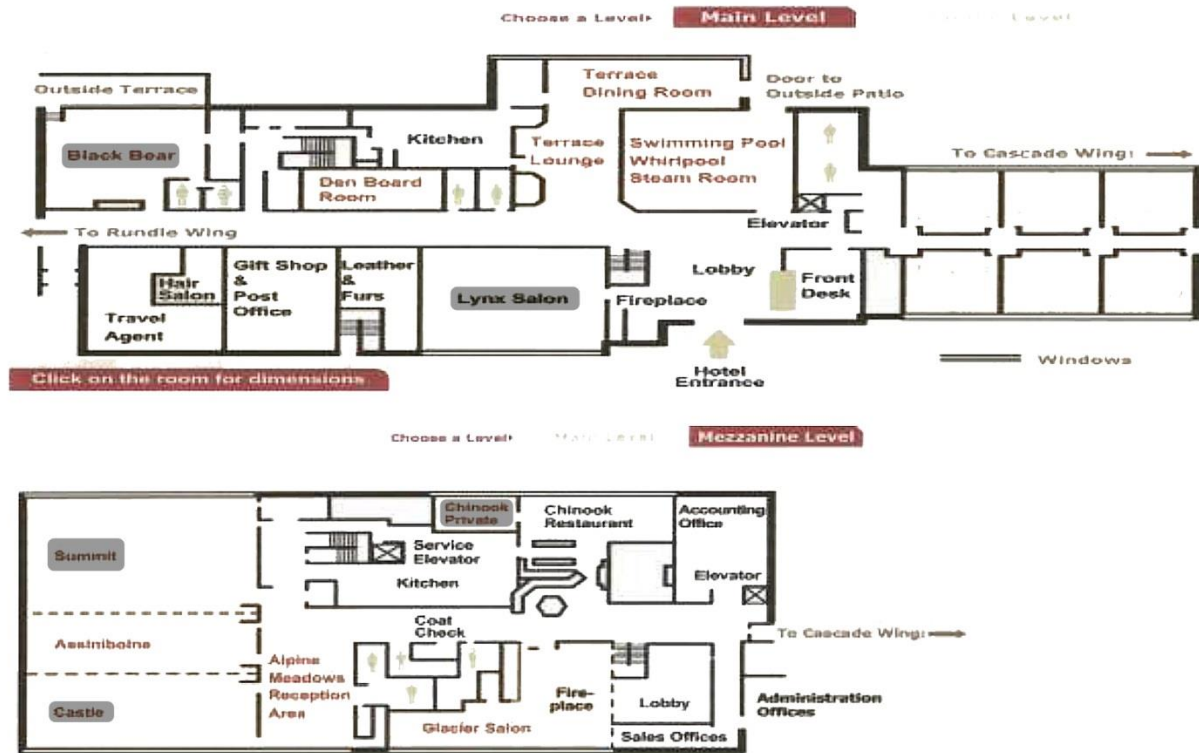
[cnsf@intertaskconferences.com](mailto:cnsf@intertaskconferences.com)



# Congress Maps

## Banff Park Lodge

Courses will be offered at the Banff Park Lodge, during the day on Tuesday, June 3, 2014. Busing will be provided from the Banff Springs Hotel to the Banff Park Lodge on a continuous basis throughout the day.



# Banff Springs Hotel

## BANFF SPRINGS HOTEL

### MEZZANINE 2

#### Registration and Member Services

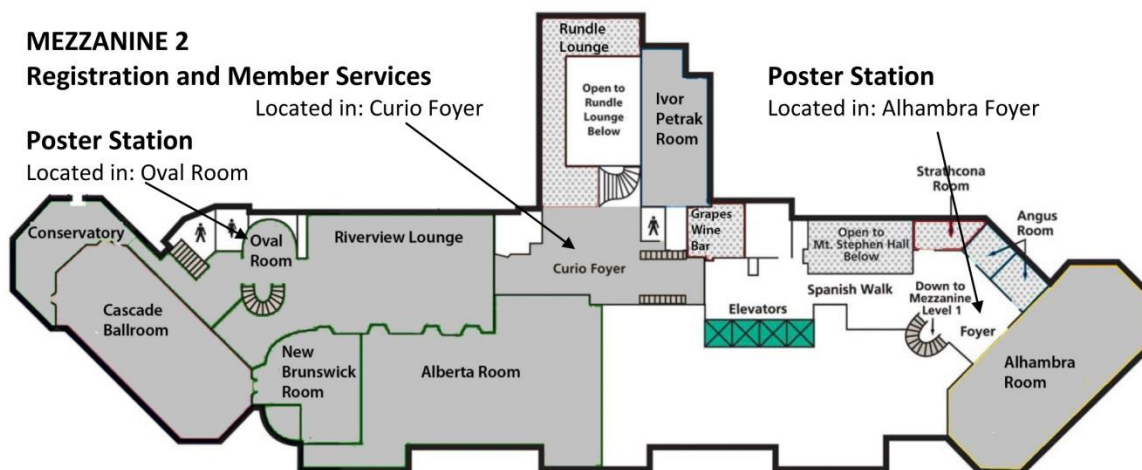
Located in: Curio Foyer

#### Poster Station

Located in: Oval Room

#### Poster Station

Located in: Alhambra Foyer



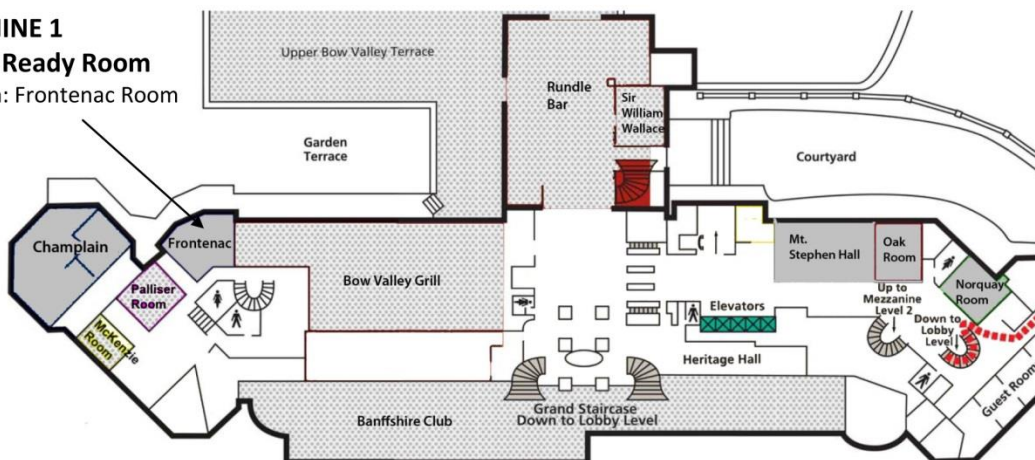
### Exhibit Hall

Located in: Riverview Lounge, New Brunswick Room and Alberta Room

### MEZZANINE 1

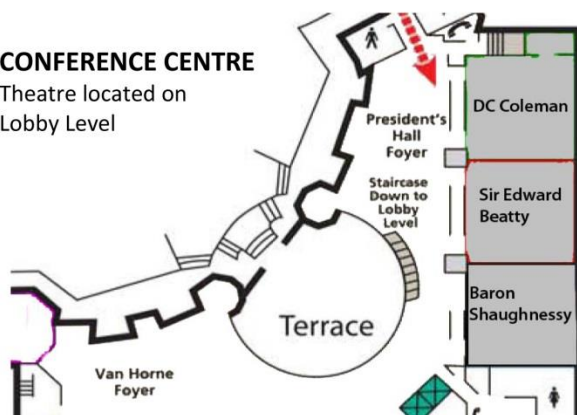
#### Speaker Ready Room

Located in: Frontenac Room



### CONFERENCE CENTRE

Theatre located on Lobby Level



### ACCESS TO CONFERENCE CENTRE

Indoors: via Mezzanine 1

Outdoors: via Motor Coach entrance located on Lobby Level of hotel





# Abstracts & Presentation Formats

[call for abstracts](#) | [digital poster construction](#) | [presentation formats](#) | [society prizes](#)

## Interactive Abstract Online Database

Access the [Online Database](#) to view posters and oral presentations.

## Abstract Supplement - Congress 2014

Download your copy of the 2014 CNSF [Congress Abstract Supplement](#) today! Updated May 15

## Digital Poster Display (Electronic)

All accepted abstracts are constructed, and displayed at the Congress, as Digital Electronic Posters.

There will be two digital poster viewing stations available for the duration of the 2014 Congress. CNSF delegates can peruse abstracts at their convenience. Electronic posters are searchable by subject, author or title.

All accepted abstracts will also be electronically published in the Canadian Journal of Neurological Sciences.

## Digital Poster - Author Stand By sessions

There will be two, Digital Poster – Author Stand By sessions at the 2014 Congress.

Presenting authors are given the opportunity to offer a brief oral presentation of their work.

CNSF delegates are invited to dialogue with authors, and ask questions regarding their findings.

Designated times are listed within the Congress Daily Agenda.

## Society Abstract Platform Presentations

These oral abstract Platform Presentations are allotted slightly more time than the Poster Author Stand By sessions. Presenting authors can discuss their papers in more detail and will have the opportunity to field questions from delegates.

## \* SPC Chair's Select Abstract Presentations

These oral presentations are selected by the Scientific Program Committee Chair and Vice-Chair. They have received the highest review grades and represent the best of the abstracts received for the 2014 Congress.



# Grand Plenary Speakers

## 2014 Grand Plenary Wednesday 8:00 am - 10:30 am

### Featuring the following guest lecturers!



#### **CNS Richardson Lecture**

**Associate Professor Dept. of Neurology & Neurosurgery Montreal Neurological Institute**

#### **Lesley Fellows**

Lesley Fellows is Associate Professor in the Dept of Neurology and Neurosurgery at McGill University, and attending staff neurologist at the Montreal Neurological Hospital. She completed her D.Phil. in Physiology at the University of Oxford as a Rhodes Scholar, and her MD and Neurology residency at McGill. She trained in cognitive neuroscience as a post-doctoral fellow working with Martha Farah at the University of Pennsylvania.

She joined McGill and the MNI in 2004 as a clinician-scientist, committing 20% of her time to clinical neurology with a sub-specialty focus in cognitive-behavioural neurology.

Her CIHR- and NIH-funded work to date has helped to define the component processes of decision-making, and to establish the necessary contributions of orbitofrontal and medial prefrontal cortex to these processes. This research addresses some of the mechanisms by which 'emotion' and 'reason' are related in the human brain.

In addition to these activities, Dr Fellows teaches at every level, from undergraduate Arts & Science to post-graduate Medicine. She is a past Director of McGill's MD-PhD program, and has been very involved in Neurology residency training. She has a particular interest in encouraging the development and training of clinician-scientists. Most recently, she served a 3-year term as Interim Chair of the Department of Neurology & Neurosurgery.



#### **CACN Tibbles Lecture**

**Professor of Neurology, Director of Pediatric Sleep Medicine Services, and Associate Medical Director of the UNM Clinical Neurophysiology Laboratory, University of New Mexico School of Medicine, Albuquerque,**

**Madeleine Grigg-Damberger**

**New Mexico, US**

Madeleine Grigg-Damberger, MD is a Professor of Neurology, University of New Mexico School of Medicine, Albuquerque, New Mexico. She is Medical Director of Pediatric Sleep Medicine Services at the University Hospital Sleep Disorders Center, Associate Director of the University of New Mexico Clinical Neurophysiology Laboratory and Medical Director of the Clinical Neuroscience Center.

She received her medical degree from Loyola University Chicago Stritch School of Medicine 1978, did an internal medicine internship at Cook County (1978-1979), residency training in neurology at Boston University (1979-1982), and post-doctoral fellowship in EEG, Clinical Epilepsy, and Evoked Potentials, at the Children's Hospital Medical Center, Seizure Unit, Harvard Medical School, Boston, Massachusetts, 1982-1983.

She is boarded by the American Board of Psychiatry and Neurology in Neurology, Sleep Medicine, Clinical Neurophysiology and Epilepsy. She helped develop the ABMS Sleep Medicine examination, served on committees to develop the AASM Sleep Scoring criteria for adults and children to criteria for polysomnography in children. She is often invited to lecture and organize national (and even international) courses in sleep medicine. She edits and writes about the relationships between sleep, epilepsy, movement disorders, and cognition from the very young to the oldest old.



**Daniel Lowenstein**

**CSCN Gloor Lecture**

**Professor and Vice Chairman in the Department of Neurology at the University of California, San Francisco**

Daniel H. Lowenstein, M.D. is Vice-Chairman and Professor of Neurology, Director of the UCSF Epilepsy Center, Director of Physician-Scientist Education and Training, and Associate Dean of Clinical and Translational Science at UCSF.

Dr. Lowenstein graduated from the University of Colorado with a degree in mathematics, and received his M.D. at Harvard Medical School. He then did his residency in neurology at UCSF and a 2-year molecular biology fellowship in Stanley Prusiner's laboratory, and went on to become the Robert B. and Ellinor Aird Professor of Neurology and established the Epilepsy Research Laboratory at UCSF. After serving as Dean for Medical Education at Harvard from 2000-2002, he returned to the Bay Area to renew his academic work at UCSF.

Dr Lowenstein is a clinician-scientist who has studied both basic science and clinical aspects of epilepsy. Dr Lowenstein's laboratory studies have examined the fundamental basis of neuronal network remodeling that occur during epileptogenesis, with a particular focus on the parallels between injury-induced remodeling and the molecular and cellular mechanisms underlying normal brain development. His clinical research includes studies on the management and treatment of patients with status epilepticus, and he was the principal investigator for two prospective, multicenter clinical trials sponsored by the NIH examining the



potential benefits of active treatment for patients with status epilepticus in the prehospital setting. In the last ten years, he has been a principal organizer of large-scale, international efforts to study the complex genetics of epilepsy.

## **CNSS Penfield Lecture**



**Julian Bailes**

### **Chairman of the Department of Neurosurgery and Co-Director of the NorthShore Neurological Institute**

Julian E. Bailes, MD, assumed the position of Chairman of the Department of Neurosurgery at NorthShore University HealthSystem and Co-Director of the NorthShore Neurological Institute in fall 2011. He is also Clinical Professor of Neurosurgery at the University of Chicago Pritzker School of Medicine.

Dr. Bailes' has interests and expertise in the diagnosis and surgical management of several neurological diseases, including the impact of traumatic brain injury (TBI) on brain function and recovery. He has worked in advancing the understanding of the clinical evidence of TBI, including chronic traumatic encephalopathy (CTE), a progressive degenerative disease found in some individuals who have been subjected to multiple concussions and subconcussive impacts. His laboratory research has focused upon mechanisms of injury and treatment of cerebral concussions. Dr. Bailes is a founding member and director of the Brain Injury Research Institute, which focuses on the study of brain injuries and their prevention. For 24 years he has been a sideline physician at either the NFL or NCAA levels.

Since 1994, he has been a neurological consultant to the NFL Players' Association, which has supported research on the effects of head injuries on professional athletes. He is the Medical Director of the Center for Study of Retired Athletes based at the University of North Carolina, Chapel Hill. He has been an advisor to the NCAA and also is the Medical Director for Pop Warner Football, the largest youth sports association in the U.S. He is a member of the board of the National Sports Concussion Coalition.



Tuesday  
June 3, 2014

# Tuesday | June 3, 2014

As courses are developed we are linking the detailed course information to each course title. Click on the course title to view the details of that course.

## Tuesday Transportation

**Daytime courses, on Tuesday only, will be held at the Banff Park Lodge.**

Shuttle Service is provided between the Banff Springs Hotel and the Banff Park Lodge throughout the day.

- First shuttle leaves *Banff Springs Hotel* at 7:45 am
- Last shuttle leaves *Banff Park Lodge* at 5:15 pm

**Delegate Reminder - Congress Name Tags required to access shuttle service.**

**Evening SIGs will be held at the Banff Springs Hotel.**

8:30 AM to 4:30 PM	<b>Resident Review</b>
	<b>Neurosurgery - Spine »</b> Banff Park Lodge - Castle Room Mezzanine Level
9:00 AM to 4:30 PM	<b>Co-Developed Institute</b> Please note delegates attending Co-Developed Institutes must pre-register as meals are ordered based on pre-attendance numbers.
	<b>Co-developed Institute on MS: Critical Analysis Along the Disease Continuum »</b> Banff Park Lodge - Summit Room Mezzanine Level
9:00 AM to 12:00 PM	<b>Courses</b>
	<b>Chronic Migraine: OnabotulinumtoxinA injection workshop (100% FULL) »</b> Banff Park Lodge - Lynx Room Main Level
1:30 PM to 4:30 PM	<b>Courses</b>
	<b>Headache »</b> Banff Park Lodge - Lynx Room Main Level
	<b>Hot Topics in Epilepsy »</b> Banff Park Lodge - Assiniboine Room Mezzanine Level
6:00 PM to 8:00 PM	<b>Special Interest Groups (SIGs) at Banff Springs Hotel</b> Please note delegates attending evening SIGs must pre-register as meals are ordered based on pre-attendance numbers.
	<b>Epilepsy Videos »</b> Cascade Ballroom - Mezz Level 2 (Shared SIG space)
	<b>Neuromuscular »</b> Ivor Petrak Room - Mezz Level 2
	<b>Neurocritical Care »</b> Alhambra Room - Mezz Level 2
	<b>An Evening of Movement Disorders – a Case Based Workshop »</b> Cascade Ballroom - Mezz Level 2 (Shared SIG space)
	<b>Headache »</b> Norquay Room - Mezz Level 1
	<b>Neurosurgery: Neuropathic Pain »</b> Champlain Room - Mezz Level 1

# Tuesday | June 3, 2014

## Individual Course Agendas

---

Tuesday, June 3, 2014

8:30 am - 4:30 am

### Resident Review, Neurosurgery - Spine

8:30 am - 8:35 am	Welcome and Introduction	Daryl Fourney and Michael Tso
8:35 am - 8:50 am	Royal College Exam Format	Greg Hawryluk
8:50 am - 9:30 am	Spine – Tumour	Daryl Fourney
9:30 am - 10:00 am	Degenerative Cervical Spine	Fawaz Siddiqi
10:00 am - 10:30 am	Coffee Break	
10:30 am - 11:10 am	Cervical Spine Trauma and Spinal Cord Injury	RJ Hurlbert
11:10 am - 11:30 am	Spine – Vascular Malformations	Gwynedd Pickett
11:45 am - 1:15 pm	Lunch in Exhibit Hall	
1:30 pm - 1:50 pm	Spine – Congenital	Neil Berrington
1:50 pm - 2:10 pm	Spine – Infection	Fawaz Siddiqi
2:10 pm - 2:30 pm	Thoraco-lumbar Spine Trauma	Eve Tsai
2:30 pm - 3:00 pm	Coffee Break	
3:00 pm - 3:45 pm	Degenerative Lumbar Spine	Richard Fox
3:45 pm - 4:25 pm	Penfield Lecturer Practice Questions	Julian Bailes Jr.
4:25 pm - 4:30 pm	Course Evaluation and Concluding Remarks	Daryl Fourney and Michael Tso

Tuesday, June 3, 2014

9:00 am - 4:30 am

### Co-Developed Institute on MS: Critical Analysis Along the Disease Continuum

9:00 – 9:05 a.m.

Welcome and Introductions

Daniel Selchen

9:05 – 9:35 a.m.	General Review of Auto-Immunity	Nathalie Arbour
9:35 – 10:00 a.m.	Basics of Diagnosis & Mimics	David Patry
10:00 – 10:30 a.m.	Basic MS Imaging	Aditya Bharatha
10:30 – 10:50 a.m.	Panel Discussion	
10:50 – 11:05 a.m.	<i>Break</i>	
11:05 – 11:30 a.m.	Vitamin D and Environmental Risk Issues	Liesly Lee
11:30 – 11:55 a.m.	Update on Progressive MS	Marcus Koch
11:55 a.m. – 12:15 p.m.	Panel Discussion	
12:15 – 1:15 p.m.	<i>Lunch</i>	
1:15 – 2:00 p.m.	Treatments New and Old - Risks, Benefits, and Treatment Optimization	Daniel Selchen
2:00 – 2:20 p.m.	Symptom Management in MS	Liesly Lee
2:20 – 2:35 p.m.	Cognitive Issues in MS	David Patry
2:35 – 2:50 p.m.	Panel Discussion	
2:50 – 3:05 p.m.	<i>Break</i>	
3:05 – 4:15 p.m.	Case Presentations	Moderated by Dr. Selchen/Expert Faculty/Audience
4:15 – 4:30 p.m.	Closing	Daniel Selchen
<b>Tuesday, June 3, 2014</b>		<b>9:00 am - 12:00 pm</b>

<b>Chronic Migraine: OnabotulinumtoxinA injection workshop</b>		
<b>Time</b>	<b>Description</b>	<b>Name of Presenter</b>
9:00 am - 9:05 am	Introduction	
9:05 am -9:40 am	Lecture "Chronic migraine: Diagnosis and Prophylactic treatment"(including 10 minutes for questions)	Werner J Becker
9:40 am – 9:55 am	Lecture: Use of onabotulinumtoxinA for chronic	Werner J Becker

	migraine prophylaxis (Including 5 minutes for questions)	
9:55 am – 10:10 am	Demonstration with interactive hands on experience of onabotulinumtoxinA reconstitution (with the whole group)	Werner J Becker
10:10 am – 10:20 am	Break	
10: 20 am – 11: 55 am	Hands on interactive training for the injection of onabotulinumtoxinA according to the PREEMPT protocol. (Participants will be divided into groups of 4 with individual instructors. Manikins will be used). (90 minutes)	Multiple preceptors(Suzanne Christie, Gordon Mackie, Elizabeth Leroux, Sian Spacey, Werner Becker)
11:55 am - 12:00 pm	Evaluation & Wrap Up	
<b>Tuesday, June 3, 2014</b>		<b>1:30 pm - 4:30 pm</b>
<b>Headache</b>		

<b>Time</b>	<b>Description</b>	<b>Name of Presenter</b>
1:30 pm - 1:35 pm	Welcome and Introduction	Dr. Jonathan Gladstone
1:35 pm - 2:15 pm	An Introduction to the NEW International Headache Society Classification of Headache Disorders (ICHD-3beta)	Dr. Jonathan Gladstone
2:15 pm - 3:00 pm	What's New and Interesting in Migraine?	Dr. Elizabeth Leroux
3:00 pm - 3:45 pm	What's New and Interesting in Cluster Headache and Other Primary and Secondary Headache Disorders?	Dr. Werner Becker
3:45 pm - 4:25 pm	"What Do I Do Now" - Clinical Pearls in Headache Medicine: Interactive Panel Discussion and Audience Q&A	Drs. Jonathan Gladstone, Elizabeth Leroux, Werner Becker
4:25 pm - 5:00 pm	Evaluation & Wrap Up	
<b>Tuesday, June 3, 2014</b>		<b>1:30 pm - 4:30 pm</b>

## Hot Topics in Epilepsy

Time	Description	Name of Presenter
1:30 pm - 1:40 pm	Introduction	Elizabeth Donner
1:40 pm - 2:20 pm	Closing in on the Era of Precision Medicine in Epilepsy	Dan Lowenstein
2:20 pm - 3:00 pm	Determining Surgical Candidacy for Epilepsy – Latest Advances	Samuel Wiebe
3:00 pm - 3:15 pm	Break	
3:15 pm - 3:50 pm	EEG Monitoring for Seizures in the ICU: Is it worth the effort?	Cecil Hahn
3:50 pm - 4:25 pm	Hot off the Press - Pot Pourri of the Latest Developments in Epilepsy	Jose Tellez-Zenteno
4:25 pm - 4:30 pm	Evaluation & Wrap Up	Nathalie Jette

## Special Interest Group Meetings (SIGs)

**Tuesday, June 3, 2014**

**6:00 pm - 8:00 pm**

## Epilepsy Videos

Time	Description	Name of Presenter
6:00 pm - 6:05 pm	Introduction	Dr. Seyed Mirsattari
6:05 pm - 6:35 pm	Pediatric Case 1	Luis Bello-Espinosa
6:35 pm - 7:05 pm	Adult Case 1	Yahya Aghakhani
7:05 pm - 7:35 pm	Pediatric Case 2	Narayan Prasad
7:35 pm - 7:55 pm	Adult Case 2	Seyed Mirsattari
7:55 pm - 8:00 pm	Evaluation & Wrap Up	

**Tuesday, June 3, 2014**

**6:00 pm - 8:00 pm**



## Neuromuscular

Time	Description	Name of Presenter
6:00 pm - 6:05 pm	Introduction	Kristine Chapman
6:05 - 7:55 pm	Case presentations	To be determined
7:55 pm - 8:00 pm	Evaluation & Wrap Up	Kristine Chapman

**Tuesday, June 3, 2014**

**6:00 pm - 8:00 pm**

## Neurocritical Care

Time	Description	Name of Presenter
6:00 pm - 6:05 pm	Introduction	Draga Jichici
6:05 pm - 6:30 pm	Autoimmune Encephalitis	Martin Savard
6:30 pm - 7:00 pm	Transfusion in Neurocritical Care	Andreas Kramer
7:00 pm - 7:30 pm	Ketamine in the Neuro-ICU: Resistant status epilepticus (RSE) and the Myths	Fred Zieler
7:30 pm – 7:55 pm	Seizures or not?	Brian Young
7:55 pm - 8:00 pm	Evaluation & Wrap Up	

**Tuesday, June 3, 2014**

**6:00 pm - 8:00 pm**

## An Evening of Movement Disorders - a Case Based Workshop

Time	Description	Name of Presenter
6:00 pm - 6:05 pm	Introduction	Oksana Suchowersky
6:05 pm - 6:45 pm	Tics, Tremors and Myoclonus	Doug Hobson
6:45 pm - 7:30 pm	Chorea and Dystonia	Oksana Suchowersky
7:30 pm - 7:55 pm	Unusual Movement Disorders and Questions	O. Suchowersky/D. Hobson
7:55 pm - 8:00 pm	Evaluation & Wrap Up	

<b>Tuesday, June 3, 2014</b>	<b>6:00 pm - 8:00 pm</b>
------------------------------	--------------------------

<b>Headache</b>		
<b>Time</b>	<b>Description</b>	<b>Name of Presenter</b>
6:00 pm – 6:05 pm	Introduction	Farnaz Amoozegar
6:05 pm – 6:40 pm	Case 1 (25% interaction)	Suzanne Christie
6:40 pm – 7:15 pm	Case 2 (25% interaction)	Jeptha Davenport
7:15 pm – 7:50 pm	Case 3 (25% interaction)	Sian Spacey
7:50 pm – 8:00 pm	Evaluation & Wrap Up	Farnaz Amoozegar

<b>Tuesday, June 3, 2014</b>	<b>6:00pm - 8:00 pm</b>
------------------------------	-------------------------

<b>Neurosurgery: Neuropathic Pain</b>		
<b>Time</b>	<b>Description</b>	<b>Name of Presenter</b>
6:00 pm – 6:05 pm	Introduction	Mohammed F. Shamji
6:05 pm – 6:30 pm	Overview of Neuropathic Pain and Pharmacological Management Consensus	Allan Gordon
6:30 pm – 6:45 pm	Supraspinal Changes and Functional Neuroimaging of Neuropathic Pain	Soha Alomar
6:45 pm – 7:00 pm	Work-up of the Patient with Neuropathic Pain following Spinal Surgery	Alina Shcharinsky
7:00 pm – 7:25 pm	Spinal Cord Stimulation Technique Pearls and Pitfalls in the Management of Neuropathic Pain	Ramesh Sahjpaul
7:25 pm – 7:50 pm	Quality of Life, Economic Outcomes, and New Horizons of Spinal Cord Stimulation for Neuropathic Pain	Syed Rizvi
7:45 pm – 7:55 pm	Concluding Remarks	Mohammed F. Shamji
7:55 pm – 8:00 pm	Evaluation & Wrap Up	



Wednesday  
June 4, 2014

# Wednesday | June 4, 2014

As courses are developed we are linking the detailed course information to each course title. Click on the course title to view the details of that course.

8:00 AM to 10:30 AM	<b>Grand Plenary</b> Cascade Ballroom/ Conservatory - Mezz Level 2
	<b>CNS - Richardson Lecture - Lesley Fellows »</b> The neurology of value: Frontal lobe contributions to decision-making
	<b>CACN - Tibbles Lecture - Madeleine Grigg-Damberger »</b> Children and Adolescents Sleep for Brain
	<b>CSCN - Gloor Lecture - Daniel H. Lowenstein »</b> Large-Scale Team Science and Epilepsy Genetics: The EPGP and Epi4K Experience
	<b>CNSS - Penfield Lecture - Julian Bailes »</b> Mild Traumatic Brain Injury in Athletes: Are They Really Mild?
10:45 AM to 12:30 PM	<b>SPC Chair's Select Abstracts</b> CACN, CNSS, CNS/ CSCN Abstract Presentations
	<b>CACN »</b> Ivor Petrak Room - Mezz Level 1
	<b>CNS/ CSCN »</b> Sir Edward Beatty Room - Banff Springs Convention Centre 1st Flr
	<b>CNSS »</b> Theatre - Banff Springs Convention Centre 1st Flr
12:30 PM to 2:00 PM	<b>Learning Activities with Lunch</b> Please note delegates attending learning activities at lunch must pre-register as meals are ordered based on pre-attendance numbers.
	<b>Lunch 'n Learn: Concepts and Controversies in Parkinson's Disease Management »</b> Alhambra Room - Mezz Level 2
	<b>Lunch 'n Learn: Understanding Alternate Therapeutic Approaches in MS »</b> Cascade Ballroom - Mezz Level 2
2:15 PM to 5:15 PM	<b>Courses</b>
	<b>Genetics of Neurologic and Neurodegenerative Syndromes »</b> Alhambra Room - Mezz Level 2
	<b>Update on Sports-related Concussion »</b> Theatre - Banff Springs Convention Centre - 1st Flr
	<b>Neurovascular &amp; Interventional Neuroradiology »</b> Cascade Ballroom - Mezz Level 2
	<b>Neuro Ophthalmology »</b> Ivor Petrak Room - Mezz Level 2
	<b>Neuromuscular »</b> Sir Edward Beatty Room - Convention Centre - 1st Flr
5:15 PM to 7:15 PM	<b>Exhibitor's Reception</b> Exhibit Hall
	<b>Free Admission for Registered delegates »</b>
7:30 PM to 9:30 PM	<b>Residents' Social</b> Alhambra Room
	<b>Free Admission for Registered delegates »</b>

# Wednesday | June 4, 2014

## Individual Course Agendas

---

Wednesday. June 4, 2014		12:30 pm - 2:00 pm
<b>Lunch'n Learn: Concepts and Controversies in Parkinson's Disease Management</b>		
Time	Description	Name of Presenter
12:30 pm	Hot Buffet Lunch provided	
12:50 pm	Welcome & Opening Remarks	Chair: Dr. Alfonso Fasano
12:55 pm	Pharmacologic Management of PD: Current and New Therapeutic Approaches	Dr. Mandar Jog
1:15 pm	Questions	Audience interaction
1:25 pm	Non- pharmacologic/Surgical Management of PD	Dr. Alfonso Fasano
1:45 pm	Questions	Audience interaction
1:55 pm	Closing Remarks & Adjourn	Dr. Alfonso Fasano
Wednesday. June 4, 2014		12:30 pm - 2:00 pm
<b>Lunch'n Learn: Understanding Alternate Therapeutic Approaches in MS</b>		
Time	Description	Name of Presenter
12:30 pm - 12:40 pm	Lunch catering	
12:40 pm - 12:45 pm	Greeting and Opening, introduction of the 1 <sup>st</sup> speaker	Dr. Selchen
12:45 pm - 1:05 pm	Impact of Oral Medication as First Line Treatment For RRMS	Dr. Freedman
1:05 pm - 1:15 pm	Case presentation & Discussion	Dr. Freedman/ Everyone
1:15 pm - 1:20 pm	Q&A	Everyone
1:20 pm - 1:25 pm	Introduction of the 2nd Speaker	Dr. Selchen
1:25 pm - 1:45 pm	"Redefining Treatment to Patients with Active MS"	Dr. Traboulsee
1:45 pm - 2:00 pm	Q&A, Evaluation and wrap-up	Everyone

<b>Wed, June 4, 2014</b>		<b>2:15 pm - 5:15 pm</b>
<b>Genetics of Neurologic and Neurodegenerative Syndromes</b>		
<b>Time</b>	<b>Description</b>	<b>Presenter</b>
2:15 pm - 2:20 pm	Introduction	Dr. Michelle Demos
2:20 pm- 2:45 pm	Genetics of Movement Disorders	Dr. Oksana Suchowersky
2:45 pm – 2:55 pm	Questions & Discussion	
2:55 pm – 3:20 pm	Inborn errors of metabolism and Dystonia	Dr. Gabriella Horvath
3:20 pm – 3:30 pm	Questions & Discussion	
3:30 pm – 3:45 pm	Break	
3:45 pm – 3:50 pm	Introduction	Dr. Michelle Demos
3:50 pm – 4:15 pm	Mitochondrial Disorders	Dr. Mark Tarnopolsky
4:15 pm – 4:25 pm	Questions & Discussion	
4:25 pm – 4:50 pm	Translational Research in Spinal Muscular Atrophy	Dr. Alex MacKenzie
4:50 pm – 5:00 pm	Questions & Discussion	
5:00 pm – 5:15 pm	Evaluations & Wrap Up	

<b>Wed., June 4, 2014</b>		<b>2:15 pm - 5:15 pm</b>
<b>Update on Sports-related Concussion</b>		
<b>Time</b>	<b>Description</b>	<b>Name of Presenter</b>
2:15 pm - 2:30 pm	Introduction & Welcome	Dr. Michael Ellis
2:30 pm - 3:00 pm	The Zurich Consensus Statement on Concussion in Sport: Implications for diagnosis, management and future directions	Dr. Willem H Meeuwisse
3:00 pm - 3:30 pm	The role of neuropsychological assessment in sports-related concussion	Dr. Paul Comper
3:30 pm - 4:00 pm	The role of neuro-imaging in the assessment of sports-related concussion	Dr. W. Alan Mutch

4:00 pm - 4:15 pm	Coffee break	
4:15 pm - 4:45 pm	The impact of bodychecking rule changes on concussion rates from youth to the National Hockey League	Dr. Michael Cusimano
4:45 pm - 5:10 pm	Chronic Traumatic Encephalopathy: The long-term implications of sports-related concussion?	Dr. Charles Tator
5:10pm - 5:15 pm	Evaluation & Wrap Up	Dr. Michael Ellis

<b>Wed. June 4, 2014</b>		<b>2:15 pm - 5:15 pm</b>
<b>Neurovascular &amp; Interventional Neuroradiology</b>		
<b>Time</b>	<b>Description</b>	<b>Name of Presenter</b>
2:15 pm - 2:20 pm	Introduction	Cian O'Kelly
2:20 pm - 2:50 pm	The role of simulation in neurointerventional training and practice	David Fiorella
2:50pm – 3:15 pm	Hands-on demonstration	
3:15 pm - 3:30 pm	Break	
3:30 pm – 3:50 pm	Emerging devices in neurointerventional surgery	Michael Kelly
3:50 pm – 4:00 pm	Interactive discussion	
4:00 pm – 4:20 pm	Escalating costs in neurointerventional surgery: How much is too much?	Cian O'Kelly
4:20 pm - 4:30 pm	Interactive discussion	
4:30 pm – 4:50 pm	The influence of operator experience on outcomes: implications for measurement and disclosure	Julian Spears
4:50 pm – 5:00 pm	Interactive discussion	
5:10 pm - 5:15 pm	Evaluation & Wrap Up	Cian O'Kelly

<b>Wed., June 4, 2014</b>	<b>2:15 pm - 5:15 pm</b>
---------------------------	--------------------------



Neuro Ophthalmology		
Time	Description	Name of Presenter
2:15 pm - 2:20 pm	Introduction	Jason Barton
2:20 pm – 2:45 pm	Stroke of the eye: CRAO, AION, and beyond	Martin SuttonBrown
2:45 pm – 3:10 pm	The swollen optic disc	Danny Lelli
3:15 pm - 3:30 pm	Break	
3:30 pm – 4:00 pm	Retinal conditions every neurologist should know	Randy Kardon
4:05 pm – 4:35 pm	The optic chiasm and tract: not just bitemporal hemianopia	Ted Atkins
4:40 pm – 5:10 pm	Cortical visual loss	Jason Barton
5:10 pm - 5:15 pm	Evaluation & Wrap Up	

Wed., June 4, 2014		2:15 pm - 5:15 pm
Neuromuscular		
Time	Description	Name of Presenter
2:15 pm - 2:20 pm	Introduction	
2:20 pm – 2:50 pm	ALS: Clinical and EMG aspects	Korngut, Lawrence
2:50 pm - 3:00 pm	Discussion	
3:00 pm – 3:30 pm	Electrodiagnosis of Traumatic Neuropathies	Robinson, Larry
3:30 pm – 3:40 pm	Discussion	
3:40 pm - 3:55 pm	Break	
3:55 pm – 4:25 pm	Captain Costa's guide to avoiding the hidden reefs in Electrodiagnostic studies	Ashworth, Nigel
4:25 pm – 4:35 pm	Discussion	
4:35 pm – 5:05 pm	Updates in Neuromuscular Diseases – what's new in the literature	Venance, Shannon
5:05 pm – 5:15 pm	Discussion and evaluation/wrap up	



Thursday  
June 5, 2014

# Thursday | June 5, 2014

As courses are developed we are linking the detailed course information to each course title. Click on the course title to view the details of that course.

8:30 AM to 4:30 PM	<b>Resident Review</b> These learning activities are tailored to the learning needs of residents.
	<b>Neurology - Neuro Ophthalmology »</b> Sir Edward Beatty Room - Banff Springs Convention Centre - 1st Flr
8:30 AM to 4:30 PM	<b>Child Neurology (CACN) Day</b> Ivor Petrak Room - Mezz Level 2
	<b>Sleep Morning Session (8:30 am - 11:45 am) »</b> Chairs: Craig Campbell, Shelly Weiss
	<b>Sleep Afternoon Session Continued (1:30 pm - 4:30 pm) »</b> Chairs: Craig Campbell, Shelly Weiss
8:30 AM to 4:30 AM	<b>Neurophysiology (CSCN) Day</b> D.C. Coleman Room - Banff Springs Convention Centre - 1st Flr
	<b>EEG (8:30 am - 11:30 am) »</b> Chair: Seyed Mirsattari
	<b>Clinical functional MRI applications in epilepsy (1:30 pm - 4:30 pm) »</b> Chair: Paolo Federico
8:30 AM to 4:30 AM	<b>Neurology (CNS) Day</b> Alhambra Room - Mezz Level 2
	<b>Stroke (8:30 am - 11:30 am) »</b> Chairs: Phil Barber, Andrew Demchuk
	<b>MS (1:30 pm - 4:30 pm) »</b> Chairs: Jodie Burton, Fiona Costello
8:30 AM to 4:30 PM	<b>Neurosurgery (CNSS) Day</b> Cascade Ballroom - Mezz Level 2
	<b>Endoscopy (8:30 am - 11:30 am) »</b> Chair: Kesh Reddy
	<b>Difficult Cases and Controversies in Neuro-Oncology(1:30 pm - 4:30 pm) »</b> Chair: Joseph F. Megyesi

11:45 AM to 1:15 PM	Lunch Time Activities
	Lunch in Exhibit Hall
	<b>Lunch 'n Learn: Practical Financial Advice for Residents »</b> Baron Shaughnessy - Banff Springs Convention Centre - 1st Flr
4:45 PM to 6:00 PM	Digital Poster Author Standby Sessions
	<b>Station 1 - Neurophysiology - Epilepsy / EEG »</b> D.C. Coleman Room - Convention Centre - 1st Flr
	<b>Station 2 - Neurosurgery - Critical Care/ Trauma/ Neuro Interventional »</b> Oval (beside Cascade Ballroom)
	<b>Station 3 - Neurosurgery - Neuro Oncology »</b> Cascade Ballroom - Mezz Level 2
	<b>Station 4 - Neurosurgery - Spine »</b> Cascade Ballroom - Mezz Level 2
	<b>Station 5 - Neurology - General Neurology 1 »</b> Alhambra Room - Mezz Level 2
	<b>Station 6 - Neurology - Neurocritical Care / Trauma »</b> Alhambra Foyer
7:00 PM to 11:00 PM	<b>Networking BBQ</b> Round Up Friends, Colleagues, Spouses & Special Guests

# Thursday | June 5, 2014

## Individual Course Agendas

---

Thurs., June 5, 2014		8:30 am - 4:30 pm
Resident Review - Neurology - Neuro Ophthalmology		
Time	Description	Name of Presenter
8:30 am - 8:35 am	Introduction	
8:35 am – 9:10 am	Anatomy of the visual system	Suresh Subramaniam
9:15 am – 9:55 am	Optic neuropathy	Fiona Costello
10:00 am – 10:30 am	Break	
10:30 am – 11:00 am	Visual fields	Jason Barton
11:00 am – 11:30 am	Pupils and lids	Randy Kardon
11:30 am- 1:00 pm	Lunch	
1:00 pm – 1:40 pm	Anatomy of the ocular motor system	Bill Fletcher
1:45 pm – 2:25 pm	Ocular motor nerve palsies	Martin SuttonBrown
2:30 pm - 3:00 pm	Break	
3:00 pm – 3:30 pm	Brainstem and cerebellar disorders of eye movement	Michael Salman
3:35 pm – 4:25 pm	A neuro-ophthalmology quiz	Kardon/Barton
4:25 pm - 4:30 pm	Evaluation & Wrap Up	

Thurs., June 5, 2014		8:30 am - 4:30 pm
Child Neurology (CACN) Day		
Time	Description	Name of Presenter
8:30 am - 8:35 am	Introduction	

8:35 am - 9:20 am	What is new in sleep neurology: overview of physiology, neuroimaging and genetic advances  Discussion	James Lee
9:20 am - 10:00 am	Thalamo-cortical-oscillations in sleep and epilepsy  Discussion	Dragos Nita
10:00 am - 10:30 am	Break	
10:30 am - 11:20 am	What is new in sleep and epilepsy?  Discussion	Madeleine Grigg-Damberger
11:20 am - 11:40 am	Case Presentation  Discussion	
11:40 am - 11:45 am	Evaluation of Morning Session	
11:45 am- 1:15 pm	Lunch	

1:30 pm - 2:15 pm	Practical pearls for evaluating and treating insomnia in children with Autism Spectrum Disorder  Discussion	Shelly Weiss
2:15 pm - 2:45 pm	Sleep and Traumatic Brain Injury: an Update  Discussion	Ryan Hung
2:45 pm - 3:00 pm	Break	
3:00 pm - 3:45 pm	Narcolepsy- A review and update  Discussion	Brian Murray
3:45 pm - 4:25 pm	Case Presentation  Discussion	
4:25 pm - 4:30 pm	Evaluation of Afternoon Session & Wrap Up	

<b>Thurs., June 5, 2013</b>	<b>8:30 am - 4:30 pm</b>
-----------------------------	--------------------------

<b>Neurophysiology (CSCN) Day</b>
-----------------------------------

Time	Description	Name of Presenter
8:30 am - 8:35 am	Introduction - <b>EEG</b>	Seyed Mirsattari
8:35 am - 9:00 am	Scalp and invasive EEG findings in Temporal Lobe Epilepsy	Seyed Mirsattari
9:00 am - 9:30 am	Scalp and invasive EEG findings in Occipital Lobe Epilepsy	Warren Blume
9:30 am - 10:00 am	Scalp and invasive EEG findings in Frontal Lobe Epilepsy	Richard McLachlan
10:00 am -10:30 am	Break	
10:30 am - 11:00 am	Scalp and invasive EEG findings in Insular Epilepsy	Nguyen Dang
11:00 am - 11:30 am	Continuous EEG monitoring in ICU	Cecil Hahn
11:30 am - 11:45 am	Questions and concluding remarks	Seyed Mirsattari
11:45 am- 1:15 pm	Lunch	

1:30 pm – 1:35 pm	Introduction – <b>Clinical functional MRI applications in Epilepsy</b>	Paolo Federico
1:35 pm – 1:55 pm	Basic MR Physics and the BOLD Response	Bradley Goodyear
1:55 pm – 2:30 pm	Clinical fMRI in Adults	Seyed Mirsattari
2:30 pm – 3:00 pm	Break	
3:00 pm – 3:30 pm	Clinical fMRI in Children	Elizabeth Donner
3:30 pm – 4:00 pm	Practical issues in clinical fMRI	Mary Pat McAndrews
4:00 pm – 4:25 pm	Potential Clinical Use of Advanced fMRI Methods	Elaine Kobayashi
4:25 pm – 4:30 pm	Evaluation & Wrap Up	

<b>Thurs., June 5, 2014</b>		<b>8:30 am - 4:30 pm</b>
<b>Neurology (CNS) Day</b>		
Time	Description	Speaker Presenting
8:30 am – 8:35 am	Introduction - <b>Stroke</b>	Dr. Phil Barber
8:35 am – 9:05 am	Lecture - Urgent assessment of transient ischemic attack	Dr. Shelagh Coutts



9:05 am – 9:10 am	Questions and Discussion	
10:00 am – 9:40 am	Lecture – Secondary Stroke Prevention: Evidence to Date	Dr. Phil Barber
9:40 am – 9:45 am	Discussion	
9:45 am – 10:15 am	BREAK	
10:15 am – 10:45 am	Lecture - Intracerebral Hemorrhage	Dr. Andrew Demchuk
10:45 am– 10:50 am	Questions and Discussion	
10:50 am – 11:20 am	Lecture – Acute Ischemic Stroke	Dr. Bijoy Menon
11:20 am – 11:25 am	Questions and Discussion	
11:25 – 11:30 am	Final Discussion and Evaluation	

1:30 pm - 1:35 pm	Introduction – <b>Multiple Sclerosis</b>	J. Burton and F. Costello
1:35 pm - 2:05 pm	Diagnosing Multiple Sclerosis in the Modern Era	T. Traboulsee
2:05 pm - 2:15 pm	Q&A	
2:15 pm - 2:45 pm	Dealing with Multiple Sclerosis Mimics	P. Smyth
2:45 pm - 2:55 pm	Q&A	
2:55 pm - 3:05pm	Break	
3:05 pm - 3:35 pm	Emerging Therapies in Multiple Sclerosis	M. Freedman
3:35 pm - 3:45 pm	Q&A	
3:45 pm - 4:10 pm	Treatment Failure and Escalation	J. Burton
4:10 pm - 4:20 pm	Q&A	
4:20 pm - 4:30 pm	Wrap Up and Evaluation	

Thurs., June 5, 2014		8:30 am - 4:30 pm
Neurosurgery (CNSS) Day		
<b>Time</b>	<b>Description</b>	<b>Name of Presenter</b>
8:30 am - 8:35 am	Introduction - <b>Endoscopy</b>	Kesh Reddy

8:35 am - 9:05 am	Anatomical Basis of Endoscopic Skull Base surgery	Mohammed Labib
9:05 am - 9:35 am	Intracranial ventriculoscopy- Current and possible future applications	James Drake
9:35 am - 10:05 am	Current and Possible Future Application for MIS in spine	TBA
10:05 am - 10:25 am	Break	
10:25 am - 10:55 am	Overview of Minimally Invasive Neurosurgery	Kesh Reddy
10:55 am - 11:25 am	Interactive case discussion with participants and faculty	all
11:25 am - 11:30 am	Wrap-Up and Evaluation	
11:45 am - 1:15 pm	Lunch	

1:30 pm – 1:35 pm	Introduction – <b>Difficult Cases and Controversies in Neuro-Oncology</b>	Joseph Megyesi
1:35 pm – 2:00 pm	High-Grade Glioma: Pearls and Pitfalls from Difficult Cases That I Have Seen	Brian Toyota
2:00 pm – 2:25 pm	Low-Grade Glioma: Pearls and Pitfalls from Difficult Cases That I Have Seen	Mark Hamilton
2:25 pm – 2:50 pm	Meningioma: Pearls and Pitfalls from Difficult Cases That I Have Seen	Fred Gentili
2:50 pm – 3:15 pm	Break	
3:15 pm – 3:40 pm	A Neuro-Oncologist's Perspective: Pearls and Pitfalls for the Neurosurgeon	David Macdonald
3:40 pm – 4:25 pm	Panel Discussion with Clinical Cases (audience response system is tentative)	Joseph Megyesi moderator + all speakers
4:25 pm – 4:30 pm	Evaluation & Wrap-Up	

<b>Thursday, June 5, 2014</b>		<b>11:45 AM - 1:15 PM</b>
<b>Lunch'n Learn: Practical Financial Advice for Residents</b>		
<b>Time</b>	<b>Description</b>	<b>Name of Presenter</b>

11:45-11:50	Introduction	Michele Seaton-Gascon, Michael Tso
11:50-12:05	Buying a home, leasing a medical practice location	Michele Seaton-Gascon
12:05-12:15	Panel Discussion	Michele Seaton-Gascon, Michael Tso, Serena Orr, Janka Hegedus
12:15-12:30	Transitioning from residency to medical practice – financial planning and tax considerations	Michele Seaton-Gascon and Hall Murdoch
12:30-12:40	Panel Discussion	Michele Seaton-Gascon, Hall Murdoch, Michael Tso, Serena Orr, Janka Hegedus
12:40-13:00	Open Q&A	Michele Seaton-Gascon, Hall Murdoch, Michael Tso, Serena Orr, Janka Hegedus
13:00-13:15	Evaluation & Wrap Up	Michele Seaton-Gascon, Michael Tso



Friday  
June 6, 2014

# Friday | June 6, 2014

As courses are developed we are linking the detailed course information to each course title. Click on the course title to view the details of that course.

9:00 AM to 11:30 AM	<b>Concurrent Courses &amp; Society Platforms</b>
	<b>Understanding and Surviving the Treatment of Chronic Pain in your Neurologic Patients »</b> Ivor Petrak Room - Mezz Level 2
	<b>Dementia »</b> Cascade Ballroom - Mezz Level 2
	<b>Brain Tumour Biology »</b> Oak Room - Mezz Level 1
	<b>CNS/ CSCN Abstract Platform Presentations »</b> Baron Shaughnessy - Banff Springs Convention Centre 1st Flr
	<b>CNSS Abstract Platform Presentations »</b> Sir Edward Beatty Room - Banff Springs Convention Centre - 1st Flr
11:15 AM to 1:00 PM	<b>CACN Abstract Platform Presentations »</b> D.C. Coleman Room - Banff Springs Convention Centre 1st Flr
	<b>Lunch in the Exhibit Hall</b>
11:30 AM to 1:00 PM	<b>Digital Poster Standy-by Session</b>
	<b>Station 1 - Child Neurology - Epilepsy &amp; EEG/ General Ped. Neurology »</b> Ivor Petrak Room - Mezz Level 2
	<b>Station 2 - Neurophysiology - Epilepsy / NeuroMuscular »</b> Alhambra Foyer
	<b>Station 3 - Neurosurgery - General Neurosurgery »</b> Oak Room
	<b>Station 4 - Neurosurgery - Neuro Vascular (Adult &amp; Pediatric) »</b> Norquay Room
	<b>Station 5 - Neurology - Stroke »</b> Cascade Ballroom - Mezz Level 2
	<b>Station 6 - Neurology - General Neurology 2 / Movement/ Multidisciplinary »</b> Cascade Ballroom - Mezz Level 2
1:00 PM to 3:00 PM	<b>Grand Rounds</b>
	<b>Cases »</b> Cascade Ballroom - Mezz Level 2

# Friday | June 6, 2014

## Individual Course Agendas

Friday, June 6, 2014	9:00 am - 11:30 pm
Understanding and Surviving the Treatment of Chronic Pain in your Neurologic Patients	

Time	Description	Name of Presenter
9:00 am - 9:05 am	Chair – Introduction 9:00-9:05	Cory Toth
9:05 am - 9:20 am	Overview of Chronic Neuropathic Pain	Cory Toth
9:20 am - 9:30 am	Audience Interaction	
9:30 am - 9:50 am	Neurobiology of Pain: Opioids and their Receptors	Tuan Trang
9:50 am - 10:00 am	Audience Interaction	
10:00 am - 10:15 am	Break	
10:15 am - 10:35 am	Clinical Patterns of Pain and Localization in the Peripheral Nervous System	Kristine Chapman
10:35 am - 10:45 am	Audience Interaction	
10:45 am - 11:15 am	New Consensus Statement on Chronic Neuropathic Pain Management in Canada and Discussion of New Therapeutic Options	Cory Toth
11:15 am - 11:25 am	Questions and Discussion with Panel	
11:25 am - 11:30 am	Wrap Up & Evaluation Reminder	

X

Friday, June 6, 2014		9:00 am - 11:30 pm	
Dementia			
Time	Description		Name of Presenter
9:00 am - 9:05 am	Introduction		
9:05 am - 9:35 am	Frontotemporal Dementia		Morris Freedman
9:35 am - 9:40 am	Questions and Discussion		

9:40 am - 10:10 am	<b>Vascular Dementia</b>	Sandra Black
10:10 am - 10:15 am	Questions and Discussion	
10:15 am - 10:45 am	<b>Normal Pressure Hydrocephalus</b>	Michael Cusimano
10:45 am - 10:50 am	Questions and Discussion	
10:50 am - 11:20 am	<b>Dementia With Lewy Bodies</b>	Sultan Darvesh
11:20 am - 11:25 am	Questions and Discussion	
11:25 am - 11:30 am	Evaluation & Wrap Up	

<b>Friday, June 6, 2014</b>	<b>9:00 am - 11:30 am</b>
<b>Brain Tumour Biology</b>	

<b>Time</b>	<b>Description</b>	<b>Name of Presenter</b>
9:00 am - 9:05 am	Introduction	
9:05 am - 9:25 am	Biomarkers In Brain Tumors	Ken Aldape
9:25 am - 9:35 am	Question and Answer	All
9:35 am - 10:00 am	Molecular Mechanisms of Brain Metastases and Targeted Therapy	Paul Kongkham
10:00 am - 10:15 am	Illustrative Case Discussion	All
10:15 am - 10:35 am	Advances in radiotherapy of brain metastases	David Roberge
10:35 am - 10:45 am	Case Discussion	All
10:45 am - 11:15 am	Advances in Anti-angiogenic Therapy for Brain Tumors	Gelareh Zadeh
11:15 am - 11:30 am	Question and Answer	





Course Notes

## Course Notes

2014 Course Notes Now Available.

Please enter your Username and Password provided by the CNSF Registration Team to access the CNSF 2014 -- Course Notes.

Username:



Password:



Submit

[Forgot Password](#)

CNSF Registration Team: [cnsf@intertaskconferences.com](mailto:cnsf@intertaskconferences.com)

To view the 2014 Course Notes you will require a PDF viewer. [Click here to get Adobe Reader.](#)



# Networking & Social Events

## Tuesday, June 3, 2014

### **UWO Alumni Reception**

Stanley Thompson Foyer from 8 pm - 10 pm. For additional information contact [Karen](#).

## Wednesday, June 4, 2014

### **Exhibitor's Reception** Free Admission for Registered delegates **5:15 pm - 7:15 pm**

Join your colleagues in the Exhibit Hall for a welcome reception for our sponsors and exhibitors. This is an excellent opportunity to network with colleagues while checking out the latest developments regarding medical devices, pharmaceuticals and new opportunities and achievements within the neuroscience field.

### **Resident's Social** Free Admission for Registered delegates **7:30 pm - 9:30 pm**

All registered delegates are welcome to attend the 2014 Resident's Social. This is an opportunity for residents to network with staff in all three disciplines (neurosurgery, paediatric neurology, and adult neurology) and discuss research and career opportunities across the country.

### **CACN Dinner - Ticino Restaurant @ 8:00 pm cocktails, 8:30p dinner**

Voted "Local's choice for Fine Dining" in Banff, this 5 star restaurant will be closed to the public to accommodate our exclusive CACN Dinner. Wonderful little restaurant with lots of room to socialize, including an outside patio area. Take advantage of this unique annual opportunity to re-acquaint yourself with former trainees, co-workers, colleagues, mentors and friends.

[Purchase tickets today!](#)

## Thursday, June 5, 2014

### **CANN Fun Race/Run/ Walk**

CANN Runners and Walkers will meet on Thursday June 5th at 6:15 am in the Main Lobby at the Banff Park Lodge for the the 2014 Run for Research in support of the Marlene Reimer Research Award.

This year's Chapter challenge is: East vs West! Who will be the Best! [More Information](#).

### **Networking BBQ - Round Up Friends, Colleagues, Spouses & Special Guests**

Tables seat eight, but after the meal, you'll want to be on your feet! Two step, Line Dance or mingle 'round the bonfire. To purchase tickets, please contact [cnsf@intertaskconferences.com](mailto:cnsf@intertaskconferences.com)

[More Information.](#)

## **Friday, June 6, 2014**

### **ESCAPE trial - Drinks and Dialogue**

Join Dr. Michael Hill at 3:00 pm - 4:00 pm in the location TBA for an opportunity to network and learn about the updates in the Escape Trial. [More Info about the Escape Trial.](#)

If interested in attending, please contact Michael directly at [hillmd@ucalgary.ca](mailto:hillmd@ucalgary.ca).

## **Saturday, June 7, 2014**

### **Banff -Jasper Relay with proceeds to Brain Tumour Foundation**

[Learn more](#)



# Society & Business Meetings

## Society AGMS

### Society AGMS

- **Canadian Association of Child Neurology**  
Wednesday, June 4 at 12:30 pm  
Ivor Petrak Room - Mezz Level 2
- **Canadian Neurosurgical Society**  
Wednesday, June 4 at 12:30 pm  
Baron Shaughnessy - Banff Springs Convention Centre - 1st Flr
- **Canadian Neurological Society**  
Thursday, June 5 at 11:45 am  
Alhambra Room - Mezz Level 2
- **Canadian Society of Clinical Neurophysiologists**  
Friday, June 6 at 7:30 am  
Alhambra Room - Mezz Level 2

## Business Meetings

	Time	Room
<b>Tuesday, June 3</b>		
RCSPC - Neurology	12:00 - 16:00	Norquay Room - Mezz Level 1
CNSF Board Meeting	12:00 - 18:00	Oak Room - Mezz Level 1
Cdn Headache Society AGM	12:00 - 13:30	Banff Park Lodge - Chinook Room
<b>Wednesday, June 4</b>		
EEG Section Meeting	07:00 - 08:00	MacKenzie Room - Mezz Level 1
ROC - Neurosurgery Committee Mtg	07:00 - 08:30	Angus Room - Mezz Level 2
SPC/PDC Business Meeting	07:00 - 08:00	Norquay Room - Mezz Level 1
CPG/Affiliates Meeting	07:00 - 08:00	Oak Room - Mezz Level 1
<b>Thursday, June 5</b>		
Journal Editorial Board	07:00 - 08:30	Angus Room, Mezz Level 2
AETC	09:30 - 17:30	Angus Room - Mezz Level 2
<b>Friday, June 6</b>		
Canadian Pediatric Neuromuscular Grp	07:30 - 09:00	Champlain Room - Mezz Level 1
IDC Meeting	07:30 - 08:30	Angus Room - Mezz Level 2
AETC	09:00 - 18:00	Angus Room - Mezz Level 2

## CSCN Exams

- [General Information](#)
- [EEG Examinations](#)
- [EMG Examinations](#)



# 2014 Society Prize Winners

## **Canadian Neurological Society**

Oral presentations to be held on Wednesday, June 4, 2014 from 10:45 am - 12:45 pm

during the CNS/ CSCN Chair's Select Abstracts in the Sir Edward Beatty Room - Banff Springs Convention Centre 1st Flr

### **Francis McNaughton Memorial Prize**

- Thalia Field “Should blood pressure targets after stroke vary by body size? The SPS3 Trial”

### **Andre Barbeau Memorial Prize**

- Gregory Day “Abnormal neurons distinguish teratomas in N-methyl-D-aspartate receptor encephalitis”

## **Canadian Association of Child Neurology**

Oral presentation to be held on Wednesday, June 4, 2014 from 10:45 am - 12:45 pm

during the CACN Chair's Select Abstracts in the Ivor Petrak Room - Mezz Level 1 (Banff Springs Hotel)

- Eric Payne “Seizure burden is independently associated with short-term outcome in critically ill children”

# **Canadian Neurosurgical Society**

Oral presentations to be held on Wednesday, June 4, 2014 from 10:45 am - 12:45 pm

during the CNSS Chair's Select Abstracts in the Baron Shaughnessy Room - Banff Springs Convention Centre 1st Flr

## **K.G. McKenzie Prize for Basic Neuroscience Research – 1<sup>st</sup> Prize**

- Fady Girgis “Primate Nucleus Accumbens and Orbitofrontal Cortex mediate decision-making behavior”

## ***K.G. McKenzie Prize Basic Neuroscience Research – 2<sup>nd</sup> Prize***

- Roberto Diaz “Development of a Molecular Targeting System for Glioblastoma based on Surface Enhanced Raman Scattering Nanoparticles”

## **K.G. McKenzie Prize for Clinical Research – 1<sup>st</sup> Prize**

- George Ibrahim “Impaired Development of Intrinsic Connectivity Networks in Children with Medically-Intractable Localization-Related Epilepsy”

## ***K.G. McKenzie Prize for Clinical Research – 2<sup>nd</sup> Prize***

- Shobhan Vachhrajani “School Function in Children Following Traumatic Brain Injury: Developing a New Outcome Measure”



# Hotel Accomodations

**Our room block at the Fairmont Banff Springs Hotel is almost Sold Out !!**

Tuesday - almost sold out; Other days still available

## Fairmont Banff Springs Hotel

If rooms become available we will be adding them to our Congress block. Check [HERE](#) for current availability  
OR call Toll free: 1-800-441-1414 | **Within Alberta:** 403-762-6866.

## May we offer the following alternate suggestions?

These hotels are now offering special rates to CNSF delegates.

### **Brewster Hospitality (Group Code: CNSF14)**

- [Mount Royal Hotel](#)
- [The Banff International Hotel](#)

### **Banff Lodging Company (Prom Code: CNSf 2014)**

- [Fox Hotel & Suites](#)
- [Banff Ptarmigan Inn](#)

## More Accommodations

- [Banff Hotels](#)
- [Banff Hotels & BB](#)
- [Banff International Hostels](#)
- [Bed & Breakfast - Banff](#)
- [VRBO - Banff](#)
- [Canmore Hotels](#)
- [Bed & Breakfast - Canmore](#)
- [VRBO - Canmore](#)





Take some time during the Congress to visit organizations working in the Neurological Community to assist you with the care of your patients.

## EXHIBIT SHOW HOURS

Wednesday: 4:45 pm to 7:15 pm  
Thursday: 9:00 am to 6:00 pm  
Friday: 9:00 am to 1:30 pm

Free Admission for Registered delegates 5:15 pm - 7:15 pm

Floor plan of the Riverview Lounge at Fairmont Banff Springs. The plan shows a large rectangular room with a fireplace on the left wall and a lobby entrance on the right. The room is divided into several sections: a top section with booths 4-16, a middle section with booths 1-23, and a bottom section with booths 24-39. Booths are numbered and some are labeled with dimensions (e.g., 20' x 10', 16' x 10'). There are also tables and chairs arranged in the open areas. The plan includes labels for 'To Cascade', 'To Lobby', 'Staff Access only', and 'closed'. A legend at the bottom right identifies the location as Fairmont Banff Springs Riverview Lounge, with booth dimensions of 16' 8" x 10', 28 8x10 booths, and 1 table top booth. Contact information for GES is provided at the bottom.

**FAIRMONT BANFF SPRINGS**  
 Riverview Lounge  
 16' 8" x 10' Booths  
 Alberta New Brunswick  
 28 8x10 booths  
 1 table top booth

**GES**  
 allied design services corporation

403-762-2828  
 Banff@ges.com

Join your colleagues in the Exhibit Hall for a welcome reception for our sponsors and

exhibitors. This is an excellent opportunity to network with colleagues while checking out the latest developments regarding medical devices, pharmaceuticals and new opportunities and achievements within the neuroscience field.

Interested in coordinating a meeting time? Company emails provided within "Contact Us"

## Pharmaceutical Companies

<a href="#">Actelion</a>	26
<a href="#">Allergan</a>	2
<a href="#">Athena Diagnostics</a>	43
<a href="#">Bayer Inc.</a>	41
<a href="#">Biogen Idec</a>	<b>14 &amp; 15</b>
<a href="#">Eisai</a>	21
<a href="#">Genzyme - Multiple sclerosis</a>	1
<a href="#">Genzyme - Rare diseases</a>	3
<a href="#">Grifols</a>	12
<a href="#">LifeLabs</a>	11
<a href="#">Novartis</a>	31
<a href="#">Sunovion Pharmaceuticals</a>	33
<a href="#">Teva Canada Innovation</a>	6 & 7
<a href="#">UCB Canada Inc.</a>	<b>10 &amp; 16</b>

## Medical Device Companies

<a href="#">Baylis Medical</a>	34
<a href="#">Covidien</a>	4
<a href="#">Galen Medical</a>	18
<a href="#">IMRIS</a>	35
<a href="#">Integra</a>	29 & 30
<a href="#">Johnson &amp; Johnson - Codman Neuro</a>	8
<a href="#">Johnson &amp; Johnson – Ethicon Biosurgery</a>	9
<a href="#">Kego</a>	17
<a href="#">Leica Microsystems</a>	42
<a href="#">Medtronic of Canada Ltd.</a>	19 & 20
<a href="#">ROXON</a>	40
<a href="#">SeaKa Products Inc.</a>	23
<a href="#">Stryker</a>	37
<a href="#">ZEISS Canada</a>	5
<a href="#">Zimmer</a>	38

## EEG/ EMG Companies

<a href="#">CareTrax Neuro</a>	28
Natus Neurology Incorporated	24
<a href="#">NeuroSource Medical</a>	27

## More Companies

<a href="#">Cambridge University Press</a>	13
<a href="#">Fraser Health</a>	32
<a href="#">GeneDx</a>	39
Health Match BC	25
<a href="#">NPHSNC</a>	36
<a href="#">PEI Health and Wellness</a>	44
<a href="#">Scotiabank</a>	22

## 2014 Sponsors



### Platinum Sponsors



### Gold Sponsors



### Silver Sponsors



### Bronze Sponsors



### Other Supporters

Grifols



# 2014 Congress Planning Committee

The Canadian Neurological Sciences Federation (CNSF) is composed of 4 Societies:

- Canadian Neurological Society (CNS)
- Canadian Association of Child Neurology (CACN)
- Canadian Neurosurgical Society (CNSS)
- Canadian Society of Clinical Neurophysiologists (CSCN)

Members from each of the 4 Societies have representation on our Congress planning committee(s) - the Professional Development Committee (PDC) and the Scientific Program Committee (SPC). This year's Planning Committee is comprised of:

<b>Bev Prieur</b>	PDC Chair (CACN, CNS)
<b>Kesh Reddy</b>	PDC Vice-Chair (CNSS)
<b>Draga Jichici</b>	SPC Chair (CNS)
<b>Simon Walling</b>	SPC Vice-Chair (CNSS)
<b>Chris Wallace</b>	CNSF Vice-Chair (CNSS)
<b>Craig Campbell</b>	SPC (CACN)
<b>Danielle Andrade</b>	SPC (CSCN)
<b>Pat McDonald</b>	SPC (CNSS)
<b>Garth Bray</b>	CNSF Vice-President, PDC (CNS)
<b>J. Max Findlay</b>	CNSF President, SPC (CNSS)
<b>James Perry</b>	SPC (CNS)
<b>Jeanne Teitelbaum</b>	CNSF Vice-President, SPC (CNS)
<b>Joe Megyesi</b>	PDC (CNSS)
<b>Lawrence Korngut</b>	SPC (CNS, CSCN)
<b>Michael Hill</b>	CNSF Board, SPC (CNS)
<b>Aleksandra Mineyko</b>	SPC (CACN)
<b>Janka Hegedus</b>	SPC, PDC (CNS)
<b>Michael Tso</b>	SPC, PDC (CNSS)
<b>Roger McKelvey</b>	PDC (CNS)
<b>Rudolf Arts</b>	PDC (CNS, CSCN)
<b>Serena Orr</b>	SPC, PDC (CACN)
<b>Seyed Mirsattari</b>	SPC (CSCN)

## THANK YOU!!!

# Course Chairs & Speakers

- Alex Mackenzie
- Alfonso Fasano
- Alina Shcharinsky
- Allan Gordon
- Andreas Kramer
- Anthony Traboulsee
- **Andrew Demchuk**
- Bijoy Menon
- Bill Fletcher
- Bradley G. Goodyear
- Brian Toyota
- Bryan Murray
- Bryan Young
- Cecil Hahn
- Cecil Hahn
- Chad Cronk
- Charles Tator
- **Cian O'Kelly**
- **Cory Toth**
- **Craig Campbell**
- Daniel Lowenstein
- Danny Lelli
- **Daryl Fourney**
- David Fiorella
- David Macdonald
- David Roberge
- Doug Hobson
- **Draga Jichici**
- Dragos Nita
- Eliane Kobayashi
- **Elizabeth Donner**
- Elizabeth Leroux
- **Farnaz Amoozegar**
- **Fiona Costello**
- Fred Gentili
- Gabriella Horvath
- **Gelareh Zadeh**
- Gordon Mackie
- Hall Murdock
- James Drake
- James Lee
- **Janka Hegedus**
- **Jason Barton**
- **Jeanne Teitelbaum**
- Jephtha Davenport
- **Jodie Burton**
- **Jonathan Gladstone**
- José F. Téllez Zenteno
- **Joseph Megyesi**
- **Julian Bailes**
- Julian Spears
- Ken Aldape
- **Kesava (Kesh) Reddy**
- **Kristine Chapman**
- Larry Robinson
- Lawrence Korngut
- Luis Bello-Espinosa
- Madeleine Grigg-Damberger
- Mark Freedman
- Mark Hamilton
- Mark Tarnopolsky
- Martin Savard
- Martin SuttonBrown
- Mary Pat McAndrews
- Michael Cusimano
- **Michael Ellis**
- Michael Kelly
- Michael Salman
- **Michael Tso**
- **Michele Seaton-Gascon**
- **Michelle Demos**
- **Michelle Mezei**
- **Mike Nicolle**
- Mohammed Labib
- **Mohammed Shamji**
- **Morris Freedman**
- Narayan Prasad
- **Nathalie Jette**
- Nguyen Dang
- Nigel Ashworth
- **Oksana Suchowersky**
- P. Smyth
- **Paolo Federico**
- Paul Comper
- Paul Kongkham
- **Phil Barber**
- Phyllis Ioannou
- Ramesh Sahjpaul
- Randy Kardon
- Richard McLachlan
- Rose Giammarco
- Ryan Hung
- Samuel Wiebe
- Sandra Black
- **Serena Orr**
- **Seyed Mirsattari**
- Shannon Venance
- Shelagh Coutts
- **Shelly Weiss**
- Sian Spacey
- Soha Alomar
- Sultan Darvesh
- Suresh Subramaniam
- Suzanne Christie
- Tony Traboulsee
- Ted Atkins
- Tuan Trang
- W. Alan Mutch
- Warren Blume
- **Werner Becker**
- Willem Meeuwisse
- Yahya Aghakhani

## Chair Select Abstract Moderators, Wednesday

- Colin Chalk (CNS/ CSCN)
- Ian Fleetwood (CNSS)
- Juliette Hukin (CACN)

## Poster Moderators

- Bev Prieur
- Chris Ekong
- Chris Wallace
- Jeanne Teitelbaum
- Jose Tellez
- Joseph Megyesi
- Kesh Reddy
- Michael Hill
- Mike Tso
- Patrick McDonald
- Seyed Mirsattari

## Platform Moderators, Friday

- Danielle Andrade (CNS/ CSCN)
- Patrick McDonald (CNSS)
- Aleksandra Mineyko (CACN)

## Grand Rounds Chair

- Lawrence Korngut
  - CASE I - Neurosurgery: Roberto Diaz (resident), Mark Hamilton (staff)
  - CASE II - Child Neurology: Ken Myers (resident), Luis Bello-Espinosa (staff)
  - CASE III - Adult Neurology: Theo Mobach (resident), Lawrence Korngut (staff)

## Plenary Speakers

- **Lesley Fellows**, CNS Richardson Lecture  
Associate Professor Dept. of Neurology & Neurosurgery Montreal Neurological Institute
- **Madeleine Grigg-Damberger**, CACN Tibbles Lecture  
Professor of Neurology, Director of Pediatric Sleep Medicine Services, and Associate Medical Director of the UNM Clinical Neurophysiology Laboratory, University of New Mexico School of Medicine, Albuquerque, New Mexico, US
- **Daniel Lowenstein**, CSCN Gloor Lecture  
Professor and Vice Chairman in the Department of Neurology at the University of California, San Francisco
- **Julian Bailes**, CNSS Penfield Lecture  
Chairman of the Department of Neurosurgery and Co-Director of the NorthShore Neurological Institute



# Speakers Information

## Speaker Ready Room

Speakers are asked to load their PowerPoint presentations at least 3 hours prior to their course.

- **Banff Park Lodge**
  - *Hours of Operation*  
  
Monday, June 2    3:00 pm – 6:00 pm  
Tuesday, June 3    7:30 am – 4:00 pm
  
- **Banff Springs Hotel - Frontenac Room, Mezzanine Level 1**
  - *Hours of Operation*  
  
Tuesday, June 3    4:00 pm – 7:00 pm  
Wednesday, June 4    7:00 am – 5:00 pm  
Thursday, June 5    7:00 am – 5:00 pm  
Friday, June 6    7:30 am – 2:00 pm

## Transportation

If you are presenting at the **Banff Park Lodge on Tuesday, June 3, 2014**, please note we will be providing continuous shuttle service:

- First shuttle leaves *Banff Springs Hotel* at 7:45 am
- Last shuttle leaves *Banff Park Lodge* at 5:15 pm

## Access [Congress Maps](#)

## Disclosures

This year your disclosures are posted online. If a disclosure statement was not received a blank was left.

<http://congress.cnsfederation.org/congress/disclosures/>

## Registering for the Congress

**Each person attending the CNSF 2014 Congress must complete the registration process.**

This includes invited speakers, chairpersons, and all delegates.

2014 Course Chairs and Speakers are asked to wait until you have received an email from the CNSF office detailing special registration information, including **discount codes** required for registration.



Tuesday, June 3	7:00 am – 6:00 pm
Wednesday, June 4	7:00 am – 6:00 pm
Thursday, June 5	7:00 am – 6:00 pm
Friday, June 6	7:00 am – 11:00 am

## AV at the Congress

Basic AV provided at the Congress includes Laptop projector (PC), LCD projector and screen, Laser pointer, Microphone.

- If additional AV is required Chairs are to submit a request for approval before May 1, 2014.
- Speakers are requested to use the laptop projector provide by the Congress. However, if you require use of your own lap top, please [email Lisa](#) before May 1st, so procedures may be communicated in a timely manner.

## Course Notes

Electronic Course Notes are due to the CNSF by May 1st, 2014.

## Photocopying Services

CNSF does not provide photocopying service during the Congress. If you require photocopying, please contact the Hotel Business Centre.