



CANADIAN NEUROLOGICAL SCIENCES FEDERATION

# NEURO NEWS

ANNUAL EDITION  
2017



# CNSF Strategic Plan Summary

## CNSF Vision

The improved wellbeing of children and adults with diseases, disorders and injuries of the nervous system and the prevention of these conditions.

## CNSF Values

### Excellence in Education

Continuing professional development is a cornerstone of the success of the individual practitioner, the profession and the member societies. Accordingly, all of the CNSF's educational efforts must reflect excellence in their quality, relevance and delivery.

### Representative and Inclusive

The CNSF is a federation of Societies representing diverse and collegial medical professionals with a common focus on diseases, disorders and injuries of the nervous system. Accordingly, the CNSF must reflect and engage these Societies and their members in how it works and what it does.

### A Strong and Effective Voice

The wellbeing of individuals with diseases, disorders and injuries of the nervous system and, where possible, the prevention of these conditions, comprise an important vision. The work of the member societies and their respective members is also important. The CNSF must advocate with a strong and effective voice knowing that its mission and vision have unique and important value to society.

### Responsible Stewardship

The CNSF's financial resources are secured from the dues paid by the professionals of its constituent Societies and from commercial sponsors who support its vision and mission. The CNSF has an obligation to the professionals of its constituent Societies to manage these resources wisely, maintain good governance practices, and conform to the standards established on behalf of society by the responsible agencies (e.g. governments, the RCP&SC, provincial and territorial regulatory bodies).

## CNSF Mission

To support the neuroscience professions in Canada, and particularly those members of the CNSF's Societies, through education, advocacy, membership services and research promotion.

### Notes about the Mission:

- Education includes the annual CNSF Congress, The Canadian Journal of Neurological Sciences (The Journal), and all other continuing professional development (CPD) activities.
- Advocacy includes activities such as building public awareness about diseases, disorders and injuries of the nervous system, and advocacy for improved public policy and increased medical research. Such advocacy may be direct or in collaboration with other organizations, including the Neurological Health Charities of Canada.
- Membership Services include services delivered to the four constituent Societies of the CNSF and their individual members, the services offered to Society members, the research to identify member needs, and other related activities.
- Research Promotion includes clinical research undertaken in partnership with other organizations.



# Messages from the CNSF President & CEO

This is my last Neuro|News message as President of the CNSF. This past year we have spent a lot of time thinking about new ways to move forward, and many ideas are on the table. We will be considering the addition of new societies under the CNSF umbrella. We are looking at incorporating residence courses normally given throughout the year, again under the CNSF umbrella. New accreditations in organ donation and death determination (NDD and DCD) could be incorporated as well. The young generation will be leading this charge, and I wish them the best of luck. They are our future.

As always, a lot of thought and energy have been put into organizing the annual Congress. Our Scientific Committee, led by Tejas Sankar and Alex Henri-Bhargava, have done an outstanding job. The program is state-of-the-art, and has some very new and innovative talks. This is a great Congress for improving your knowledge outside of your usual sub-specialization or practice. I want to thank all of you who are attending. The Congress is for you, and without your participation there is no Congress. Take the opportunity to learn, to network with your colleagues from around the country and to talk to the residents. This may be where you find the perfect candidate for your Fellowship position. Next year we welcome back the Neuroscience Nurses as they will join us for our 53rd Congress in Halifax, NS.

I want to thank our industry supporters who contribute so generously towards the CNSF and our Congress. There would not be a Congress without their 'unconditional' support. Please take the time to visit the Exhibit Hall and thank our many supporters and view new innovations in the Neurosciences.

To the members of the CNSF, and non-members, who teach at our sessions and present their research, thank you for your efforts and expertise. To me, this Congress is a labour of love, and I know that you contribute because you care about your Society and want to give back through education. I am very grateful for your dedication.

It has been an honour to serve as your President these last 3 years. I hand over the crown to Dr Kesh Reddy, and I am sure he will be an excellent president.

Respectfully,

Jeanne Teitelbaum  
President, CNSF

Throughout my 11 years as CEO of the CNSF, I have met and dealt with the most dedicated and inspired individuals at all levels of the Federation and the individual Societies.

Consistently, whether folks are on a Society or CNSF Board, a Committee or a Congress Chair or speaker I am amazed and so appreciative of the total dedication, hard work and creativity of our 'volunteers'.

The Secretariat, manned so professionally by Donna and Marika, do wonderful work to keep the administrative aspects of the Societies, CNSF and Journal on track. They are vital to those aspects; and more. They, too, deserve a great deal of thanks.

But it is our physicians who make it all come together with the actual scientific development of the Congress and Journal. Members of the CNSF owe a debt of gratitude to their fellow members who take on these vital and sometimes onerous responsibilities. Our Board members, chairs and vice chairs and committee members are listed throughout this year's Neuro|News. Why not stop them and say thanks.

And our delegates? Well, it's a known fact that without members and non-members attending our Congress, many every year for a decade or more, the CNSF would have difficulty remaining viable. We work hard every year, all of us, to make the experience and CME credits you earn for attending the Congress worth the 'trip'. We appreciate your dedication, attendance and loyalty to our uniquely Canadian Congress. Thank you.

And our sponsors? Similarly, a great deal of thanks and gratitude is extended for their support. Some have been with us for years, some are new and some come and go. All of them are, collectively, vital to our success. Imagine, as some would suggest, that we did not have the opportunities for sponsorship. I doubt a \$1500 Congress registration fee would meet with much acceptance. Our sponsors and exhibitors are listed throughout N|N; please take the time to visit them in the exhibit hall and thank them for their support.

Thank you,

Dan Morin  
Chief Executive Officer, CNSF



# Board of Directors & Committee Chairs

## The Canadian Neurological Sciences Federation (CNSF) The Neurological Sciences Foundation of Canada (NSFC)



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CNS Member



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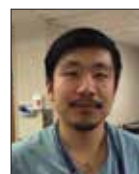
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CNSS Member



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# Continuing Professional Development

The Canadian Neurological Society and the Canadian Neurosurgical Society, member societies of the CNSF, are accredited providers of the Royal College's Maintenance of Certification (MOC) program. The CNSF is committed to providing relevant Continuing Professional Development (CPD) opportunities to its members and to neurologists and neurosurgeons, in general.

We thank the Professional Development (PD) and Scientific Program (SP) Committees for their time, effort and energy in working collaboratively to develop the 2017 CNSF Congress.

## 2017 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), and the Canadian Society of Clinical Neurophysiologists (CSCN).

Members from each of the 4 Societies have representation on our Congress planning committee(s). 2017's Congress Planning Committee is comprised of:

- Joe Megyesi, CNSF PDC Chair
- Aleksandra Mineyko, CNSF PDC Vice-Chair
- Tejas Sankar, CNSF SPC Chair
- Alexandre Henri-Bhargava, CNSF SPC Vice-Chair
- Chintankumar Shah, CACN PDC Rep
- Shannon Venance, CNS PDC Rep
- Phillippe Couillard, CNS SPC rep
- Craig Campbell, CACN SPC Rep
- Michael Esser, CACN SPC Rep
- Gelareh Zadeh, CNSS SPC Rep
- Danielle Andrade, CSCN SPC Rep
- Seyed Mirsattari, CSCN SPC Rep
- Leyila Kaseka, CACN Residents Rep
- Bill Wang, CNSS Residents Rep
- Mark Bigder, CNSS Jr. Residents Rep
- Theo Mobach, CNS Residents Rep
- Kesh Reddy, CNSF Vice President
- Sharon Whiting, CNSF Vice President
- Jeanne Teitelbaum, CNSF President

Informed by feedback from attendees at the 2015 and 2016 Congress, the Membership Survey completed in the fall of 2016 and other related information and feedback, the PDC and SPC met on a regular basis to develop the program for the 2017 Congress.

## Highlights of the 2017 CONGRESS

- 4 full days of **accredited** sessions.
- **Diverse program** and Courses of interest for members of all neuroscience specialties.
- Excellent speakers including our special **Grand Plenary Speakers:** Dr's John Kestle, Sandra Black, Nens van Alfen and Darcy Fehlings.
- We have a **full compliment** of Lunch 'n Learns, a co-developed session and 2 unique late afternoon sessions that involve a panel discussion and a debate format.
- CNSF's room block is at the **Empress Hotel** with discounted rates for CNSF Congress delegates.



WELCOME TO BEAUTIFUL VICTORIA. WE LOOK FORWARD TO AN EXCITING AND INFORMATIVE 2017 CONGRESS.



# Benefits of CNSF Membership

## CNSF Membership includes the following benefits:

### Membership in the Community of Canadian Clinical Neuroscientists

The community of clinical neurologists, neurosurgeons, pediatric neurologists and neurophysiologists is a robust and growing family that has made a long-standing, international, and ongoing contribution to clinical neuroscience. The community provides continuing medical education for its members, teaching for residents, students and clinical fellows. There is strong clinical and discovery-based research in Canada. Networking in this group provides opportunity for training (e.g. fellowships), for collaboration across the country and for mutual learning.

### Annual Congress

Our Federation, assisted by the Professional Development and the Scientific Program Committees, hosts an Annual Canadian Congress geared towards the continued professional development learning needs of Neurologists, Neurosurgeons, Pediatric Neurologists, Neurophysiologists and Neuroscientists.

Our Congress is an accredited learning activity; therefore you earn Continuing Maintenance of Certification credits

Gather with your colleagues and friends from across the country.

Learn, Mentor, Share, Teach, Collaborate, Advocate.

Members attend the CNSF Annual Congress at a generously discounted registration fee.

### Annual Society Prizes

Members have the opportunity to win valuable Society prizes by submitting Abstracts to the Congress and expanded abstracts to the Society competitions. There are 6 first place prizes available to Junior members or an Active member within two years of receiving their certificate. Each valued at approximately \$2500. Winners have the privilege of presenting their work at the Congress.

There are \$500 second place prizes which may be awarded as well as on-site poster and abstract awards.

Details and submission information is available in the *Call for Abstracts* [congress.cnsfederation.org/congress/call-for-abstracts](http://congress.cnsfederation.org/congress/call-for-abstracts)

## The CNSF Affiliates & Associates

### Associate Societies of the CNSF

are professional societies that have similar goals to the CNSF. They are:

- Canadian Association of Neuroscience Nurses
- Canadian Association of Electroneurophysiology Technologists Inc.
- The Association of Electromyography Technologists of Canada
- Canadian Association for Neuroscience
- Canadian Association of Physical Medicine & Rehabilitation

### The CNSF and its Affiliate Societies

work collaboratively whenever possible throughout the year. The CNSF values and appreciates these partnerships.

One of the most important tasks the Affiliates undertake is to assist the CNSF, when requested, in providing leadership and planning for Congress sessions which fall within their area of expertise.

They are:

- Canadian ALS Trials and Research Network
- The Canadian Brain Tumour Consortium
- The Canadian Headache Society
- The Canadian League Against Epilepsy
- The Canadian Movement Disorders Group
- The Canadian Network of MS Clinics
- The Canadian Neurocritical Care Society
- The Canadian Neuromuscular Group
- The Canadian Stroke Consortium
- The Consortium of Canadian Centres for Clinical Cognitive Research

## Canadian Journal of Neurological Sciences

The Canadian Journal of Neurological Sciences is the official publication of our four member Societies. The Journal is an internationally recognized, peer reviewed medical journal, published through Cambridge University Press – Cambridge Core.

Members receive an online subscription to the Canadian Journal of Neurological Sciences (CJNS).

CNSF Members and Journal subscribers have exclusive access to the most current year of this publication.

If an author requests immediate open access for an article, in accordance with CIHR Granting requirements,





# Benefits of CNSF Membership

the repository upload fee is \$2000 / article for first open access repository upload. CNSF Members pay only \$1000 for this service if requested.

Members have access to additional information on our CNSF website using their password login

Our website contains Congress information, Advocacy information and general Society information. The site includes: access to CJNS Journal articles back to Issue 1 in February 1974. View Neuro Careers postings, Society Newsletters, Society Prize information, access for annual dues payments, Society Governance items (such as council representatives and their responsibilities), Member Directories, Society bylaws, resource links, calendar of events, and more.

## Residents

First-year residents can apply for complimentary first-year membership, paid by their member Society. Membership dues for subsequent years of residency are only \$80/year.

Congress registration fees for resident members are \$250 for both pre and post Early Bird. This registration fee includes access to all Congress Courses/sessions, course notes, luncheons, breaks and the Residents Social. Non member resident rates are \$775, so this benefit of membership is substantial.

## May I help you?



Do you have questions regarding your society membership, CNSF services or Congress program and facility information?

Just stop by the Member Services counter for help finding the answers.

Society Resident Representatives help organize a resident social event. At this event, senior staff discuss their careers, fellowship directors with positions to fill are looking to meet interested residents and will be available to discuss fellowship options and career opportunities. This is a major networking event, specifically designed for CNSF residents.

Resident members also receive the 'benefits' listed in the sections explained above.

The CNS, CNSS and CACN, all have a resident representative that sits on the CNSF Professional Development and Scientific Program Committees, which determine the scientific program for each year's Congress. The resident representative attends the CNSF Board of Directors meetings, as well as their respective Society Board meetings.

Resident members are welcome to contact their society resident representative with any issues, concerns or ideas that they would like to see discussed.

## Our Member Societies

CNSF members belong to one, or more, of our four constituent Societies:

Canadian Neurological Society (CNS)



Canadian Association of Child Neurology (CACN)



Canadian Neurosurgical Society (CNSS)



Canadian Society of Clinical Neurophysiologists (CSCN)



The four member societies of the CNSF are the owners of the Federation and the CJNS Journal.

## Not a member of the CNSF (CNS, CACN, CNSS, CSCN)?

Would you like to become a member of one of the CNSF Societies? Would you like to take advantage of these Benefits of Membership? Just download the appropriate Society Application form by choosing your society of interest at: [www.cnsfederation.org](http://www.cnsfederation.org) or contact Donna Irvin at: [donna-irvin@cnsfederation.org](mailto:donna-irvin@cnsfederation.org)



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The Product Monograph is also available by calling us at 1 800 283-0034.



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# Membership Committee

Membership retention and growth is vital to the continued success and stability of each of the Federation's Societies. As such, each Society has appointed members to serve on the CNSF Membership Committee: Bev Prieur (Chair), Sharon Whiting (Vice Chair), Ian Fleetwood, Fiona Costello, Bill Wang, Michael Hill, Theo Mobach, Leyila Kaseka and Mark Bigder.

The Membership Committee is in the process of developing a Strategic Plan, the purpose of which is to identify specific objectives, strategies and actions to encourage neuroscience physicians to renew and/or join one or more of the Federation's Societies.

The Committee's plan will build on what CNSF is currently doing well, outline specific initiatives to do more for members and strategies to meet attainable objectives.

The Committee has identified challenges, questions and initial high level tactics:

- Expand our scope to have the clinical neurosciences in Canada more involved with the CNSF and the Congress.
- Create a more recognizable 'brand' synonymous with a vibrant and relevant organization.
- Clear messaging to current members and prospective members of the tangible reasons to join one of the Societies
- Develop an inclusive structure with a direct role to promote the value of membership.
- Enhance the 'benefits' of membership.
- Ask ourselves:
  - What benefits can we provide that makes joining worthwhile?
  - Why be a member and why stay?
  - There are many specialty associations that exist, what is unique about the CNSF that sets it apart from the other associations a member could pay to join?
  - What needs or services can we offer that are not available elsewhere?
- What can we do to make it more attractive for residents to join and remain a member throughout their residency, and into their careers?
- Why are resident members difficult to retain whether or are not they are attending the Congress?
  - More/better contact with Program Directors and establish supportive relationships between them and the CNSF.
  - Ensure that resident training courses are incorporated into the meeting and under the CNSF umbrella.
  - Develop resident specific benefits including a mentorship program which would build long term value in retaining membership once graduation occurs.
- Investigate consolidating groups under the CNSF, i.e. MS Clinics and others.
- Address the fact that many subspecialties have their own societies and meetings which are more dedicated to their subspecialty and therefore in direct competition.
  - How can we focus on all of them at our meeting? Do we need to?
  - Do we need to design our meeting to focus on a few subspecialties?
- What is the impact of the Congress on potential membership and how is membership retention and growth related to the Congress?
- Expand the website to be interactive and act as a vehicle/tool to review cases and communicate with other physicians.
- Tap into the Royal College's sub-committee on Neurology

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**“WE NEED A PLAN WITH SPECIFIC AND ATTAINABLE STRATEGIES. WE NEED TO DO MORE FOR MEMBERS BY BUILDING ON WHAT WE DO WELL.”**

## CNSS Lifetime Achievement Award (Charles Drake Medal)

### The 2017 recipient is Dr. M. Christopher Wallace

Dr. Wallace graduated from Queen's University Medical School in 1980. Straight Surgical Internship followed in 1980–1981 at Mount Sinai Hospital. His residency in Neurosurgery from 1980–1986 comprised clinical rotations at Sunnybrook Health Science Centre, Toronto Western Hospital, St. Michael's Hospital, the Hospital for Sick Children and Toronto General Hospital. Subsequently two fellowship were undertaken, the first at Wellcome Surgical Institute/University of Glasgow (research, Professors G. Teasdale and J. McCulloch) and University Hospital/University of Western Ontario (clinical, Drs. C.G. Drake and S.J. Peerless). Dr. Wallace then assumed his faculty position in the Division of Neurosurgery, Department of Surgery at the University of Toronto.

Dr. Wallace was appointed to the Foundation Baxter et Alma Ricard Chair in Cerebrovascular Neurosurgery at The University of Toronto in 1996. He was promoted to Professor at The University of Toronto in 1996. In 2002, he became Head of the Division of Neurosurgery. The current faculty in the Division is a substantial reflection of Dr. Wallace's recruitment vision.



Dr. Christopher Wallace currently serves as Professor, Division Chair and Service Chief in the Division of Neurosurgery, Queen's University, and as Attending Staff, Kingston General Hospital and Hotel Dieu Hospital, Kingston Ontario. His areas of research interest include cerebrovascular disease, vascular malformations, intracranial aneurysms, and carotid stenosis.

Dr. Wallace has authored or co-authored over 130 peer-reviewed publications, over 80 abstracts, has delivered invited lectures at over 150 national and international venues, and has been the recipient of dozens of honours and awards. He has served on the executive of all of the major North American neurosurgical societies. He served as the program director for the neurosurgery training program at the University of Toronto. In 1989, he co-founded the University of Toronto Vascular Malformation Study Group, an exemplary model of multi-disciplinary collaboration in clinical neuroscience. He is widely recognized as an outstanding teacher. Dr Wallace served on the CNSS Council from 2006–2008 as Secretary/Treasurer, 2008–2010 as Vice-President and 2010–2012 as President. He served on the CNSF Executive Committee during 2012–2013 and 2013–2014.

Dr. Wallace exemplifies all of the important attributes of lifetime achievement in Neurosurgery, and is an outstanding recipient of this Award.

## The Canadian Neurological Sciences Federation's Distinguished Service Award

This is an award given to a senior member of the CNSF who has made an outstanding, notable or special contribution to the Canadian Neurological Sciences Federation, and to one or more of the Federation's Societies and/or the CJNS (Journal); either through participation in the CNSF's committees, involvement in the Congress, the performance of administrative duties, or involvement in promoting the CNSF and its member societies.



### The 2017 recipient is Dr. Kristine Chapman

Kristine joined the CNSF in 1998. She has served as Secretary-Treasurer, Vice President and President of the CSCN. After serving as President of CSCN she remained on the CSCN Board as past President and continues to this day to play an active role in CSCN's activities. Kristine is a current member of the CNSF Board.

Kristine has served as a CSCN Examiner for 10 years, has chaired numerous Neuromuscular Clinical Case Studies and Courses, and has volunteered as an Auditor and Poster Moderator at the CNSF Congress. We can always count on Kristine to lend a hand at the Congress; no matter what the task.

Outside of the CNSF, Kristine is the Director of the Vancouver Hospital Neuromuscular Disease Unit, and has a strong interest in autoimmune nerve disease and complex nerve trauma. She is actively involved in education of residents and medical students at UBC, and sits on the UBC clinical research ethics board. She has served as Co-chair, of the education task force of CAN- NMD and Chair of the Canadian Neuromuscular Group.

On behalf of the CSCN and CNSF Kristine, congratulations and thank you.

## 2017 Society Prize Winners

### The Canadian Neurological Society

#### 2017 Francis McNaughton

Recipient: **Raed A. Joundi**  
 Title as submitted: Outcomes after gastrostomy tube placement in patients with acute stroke: A 10-year population-based study using the Ontario Stroke Registry

#### 2017 Andre Barbeau

Recipient: **Kristin Ikeda**  
 Title as submitted: Network connectivity following a single unprovoked seizure using 7 Tesla resting-state fMRI

### The Canadian Association of Child Neurology

#### 2017 The President's Prize

Recipient: **Kristine Woodward**  
 Title as submitted: Sensory-motor network functional connectivity in hemiparetic children with perinatal stroke

### The Canadian Neurosurgical Society

#### 2017 K.G. McKenzie Memorial Prize Basic Neuroscience Research

Recipient: **Daipayan Guha**  
 Title as submitted: Quantification of computational geometric homogeneity in surface-based registration for spinal intra-operative three dimensional navigation

#### 2017 K.G. McKenzie Memorial Prize Clinical Research

Recipient: **Stefan Lang**  
 Title as submitted: Resting state functional connectivity: a biomarker for pre-operative cognitive function and cognitive outcome following surgery in patients with diffuse glioma

The **Canadian Journal of Neurological Sciences** (CJNS) is owned by the CNSF member societies and features many articles submitted by your colleagues and fellow CNSF members.



Our Editor-in-Chief, Dr Robert Chen, dedicates numerous hours towards the science, the professionalism and the improvements of our Journal publication. He has built a strong Editorial Board and Associate Editors team and we thank them all for their time and dedication.

The Journal is hosted on Cambridge Core, the new academic platform from Cambridge University Press. Cambridge Core is a robust upgrade from the previous Cambridge Journals Online, and was developed specifically with researchers' needs in mind.

CNSF members currently receive full access by logging in as a member on the CNSF website. Cambridge Core is working on our single sign on feature which will allow you to login directly on the Cambridge site using your CNSF member ID# and your last name as username and password.

The CJNS Journal has been publishing peer reviewed, scientific articles since 1974 and these are all available for viewing online. Check out the multiple features including "Magazine View".

You are invited to learn more about the CJNS Journal and Cambridge Core by visiting the Cambridge booth in the CNSF 2017 Exhibit Hall.

**Editor-in-Chief:** Robert Chen; **Associate Editors:** Robert Hammond, Hans Katzberg, Tejas Sankar, Jeanne Teitelbaum, Manas Sharma, Mahendranath Moharir, Etienne de Villers-Sidani




**We're switching it up in Halifax for our 2018 CONGRESS !!**  
**Join us Sunday, June 24 to Wednesday, June 27, 2018**



CONGRESS.cnsfederation.org



## Advocacy Committee

2017 Report

### Training Modernization Directions

As noted in the Advocacy Committee 2016 report, the CIHR Institute of Health Services and Policy Research has launched the Canadian Health Services and Policy Research Alliance (CHSPRA). The Chair of the Advocacy Committee is a member of the Training Modernization Working Group. CIHR-IHSPR has launched two classes of Training Modernization research grants – graduate and post-doctoral, in partnership with CHSPRA members and other groups for the 2017 fiscal period.

Consistent with such directions that align to a pan-Canadian vision and strategy for health services and policy research, the Chair and the Scientific Director of CIHR-IHSPR are currently acting in an intermediary capacity between CHSPRA and the RCPSC which has recently crafted a CanMeds Consortium involving 12 partners. Consortium partners are (sic); 'committed to embedding CanMEDS in their procedures and practices, supporting CanMEDS development and dissemination, and ensuring its ongoing relevance and value'. Such commitment will (sic) 'enable medical regulatory authorities to use the same benchmarks for their evaluations and complaints processes'. Partners include The Royal College of Physicians and Surgeons of Canada, The College of Family Physicians of Canada, The Association of Faculties of Medicine of Canada, The Canadian Federation of Medical Students, The Canadian Medical Association, The Canadian Medical Protective Association, The Canadian Patient Safety Institute, The Collège des médecins du Québec, The Fédération médicale étudiante du Québec, The Federation of Medical Regulatory Authorities of Canada, The Fédération des médecins résidents du Québec, The Medical Council of Canada, and The Resident Doctors of Canada.

Such CanMeds Consortium developments offer the opportunity for CHSPRA and CanMeds Consortium partners to support a competitive post-graduate research grants that build upon RCPSC's Medical Education Research Grants program specifically targeting their Policy and Research Focus. Additionally, the obvious value-add potential is a funding partnership that addresses specific individual partner performance and accountability needs and directions.

### Emerging Social Inclusivity Directions

The Chair's intermediary activities noted above are being informed concurrently by participation on behalf of certain Neurological Health Charities Canada members

in the interests of collective momentum towards a Federal Disabilities Act. The Chair's participation builds on the findings of the National Population Health Study of Neurological Conditions (2009-2013), and his involvement with the pan-Canadian Spinal Cord Injury Knowledge Mobilization Network (2010 - ), and the Canadian Traumatic Brain Injury Research Consortium (2016 - ).

The Chair is a member of a steering committee crafted by Employment and Social Development Canada – Disability within a Social Development Partnership Program – Disability. SDPP-D is focused upon performance and accountability frameworks for intersectoral systems services pathways that address a social inclusivity agenda.

These directions are informed by, and modelled upon, the Australian National Disability Insurance Scheme (2013 - )

Respectfully submitted  
R. J. Riopelle, MD, FRCPC, FCAHS  
Chair CNSF Advocacy Committee  
March 2017

## Clinical Practice Guidelines Committee

The Clinical Practice Guidelines Committee is Chaired by Shobhan Vachhrajani with Elizabeth Donner as Vice-Chair. Committee members include: Lyle Weston, Jeanne Teitelbaum, Michael Hill, Draga Jichici and Richard Riopelle.

The goals of the Clinical Practice Guidelines Committee are to:

1. Encourage the development, dissemination and implementation of clinical practice guidelines by our Member and Affiliate Societies, and other Canadian groups that would be of benefit to Canadian neurologists and neurosurgeons.
2. Establish a framework and processes for the promotion and endorsement of clinical practice guidelines so that current evidence-based guidelines meet the needs of, and can be communicated effectively to, the membership of the CNSF.
3. Evaluate and adopt for use by the CNSF membership, with appropriate context-specific provisions, Clinical Practice Guidelines developed outside Canada, particularly in the United States and Europe.

# 2017 Congress Industry Supported Sessions

These sessions are an opportunity for registered delegates to attend specific topics of interest and are developed by the CNSF and industry. Several are being held at lunch while others are later in the afternoon with refreshments.

Pre-registration is required for each activity through the Congress registration process.

## Tuesday, June 20, 2017 • 12:15 pm – 1:45 pm Lunch 'n Learn (unaccredited)

*This program was developed by the CNSF and Novartis to achieve scientific integrity, objectivity and balance. It is an unaccredited learning activity and not eligible for MOC credits.*

### Alzheimer's and MS

**Course Chairs:** Sandra Black and David Li

#### New Imaging Techniques in MS:

A review of imaging techniques that are most immediately applicable in clinical MS practice.

#### Therapeutics:

What's old, what's borrowed (or repurposed) and what's new?

## Tuesday, June 20, 2017 • 12:15 pm – 1:45 pm Lunch 'n Learn (unaccredited)

*This program was developed by the CNSF and Biogen to achieve scientific integrity, objectivity and balance. It is an unaccredited learning activity and not eligible for MOC credits.*

### Spinal Muscular Atrophy Management Update — Treatment With Anti-sense Makes Sense

**Course Chair:** Craig Campbell

This presentation will review the pathophysiology of SMA, as well as new insights on the treatment and management of SMA.

## Tuesday, June 20, 2017 • 4:15 pm – 5:45 pm Sponsored session (unaccredited)

*This program was developed by the CNSF and Sanofi Genzyme to achieve scientific integrity, objectivity and balance. It is an unaccredited learning activity and not eligible for MOC credits.*

### Accelerating Diagnosis of Neuromuscular Disorders

**Course Chair:** Kristine Chapman

This session will focus specifically on the opportunities and challenges of early and accurate diagnosis of patients with Pompe disease, with an emphasis on both clinical assessment and diagnostic tools.

## Wednesday, June 21, 2017 • 12:45 pm – 2:15 pm Co-Developed Session

*This program was developed by the CNSF, Antibody Communications and Hoffmann-La Roche, and was planned to achieve scientific integrity, objectivity and balance.*

### Changing the Course of MS: High Efficacy Therapeutic Options

**Course Chairs:** Sarah Morrow and Fabrizio Giuliani

Through evidence-based and practical discussions with the panel, the program hopes to elucidate the future of MS therapy and the role newer agents may play in helping patients achieve optimal outcomes.

## Don't miss the Moderated Poster Sessions!

Authors with abstracts selected for electronic posters, will have an opportunity to showcase their work to CNSF Congress delegates at multiple large screen viewing stations.

At the Moderated sessions, Authors are given the opportunity to present their concepts, methods and research findings and attendees have the opportunity to ask questions.



## Industry Updates

The CNSF's Industry Updates website, formerly known as the Virtual Exhibit Hall (VEH), is where we showcase the CNSF's supporters.

Industry Updates highlights the products and services offered by our supporters and their contributions to the Canadian Neurological Community.

Please take time to visit: [www.iu.cnsfederation.org](http://www.iu.cnsfederation.org)



# 2017 Congress Industry Supported Sessions

**Wednesday, June 21, 2017 • 12:45 pm – 2:15 pm**  
**Co-Developed Session (accredited)**

*This program was developed by the CNSF and Eli Lilly and was planned to achieve scientific integrity, objectivity and balance.*

## **Recent Advances in CSF Analysis in Cognitive Impairment**

**Course Chair:** Sandra Black

This co-developed session aims to discuss CSF biomarkers in development, their role in the diagnostic framework of AD and other dementias, and some methodological limitations.

**Thursday, June 22, 2017 • 11:45 am – 1:15 pm**  
**Lunch 'n Learn (unaccredited)**

*This program was developed by the CNSF and Sanofi Genzyme to achieve scientific integrity, objectivity and balance. It is an unaccredited learning activity and not eligible for MOC credits.*

## **The Long Term Implications of Selecting an Oral Disease Modifying Therapy**

**Course Chair:** Carolina Rush

Participants will discover what the implications/considerations are when selecting a first line oral agent and how the selections, in the short term, affect 'switch' choices in the long term.

**Thursday, June 22, 2017 • 4:00 pm – 5:30 pm**  
**Sponsored Session (unaccredited)**

*This program was developed by the CNSF and EMD Serono to achieve scientific integrity, objectivity and balance. It is an unaccredited learning activity and not eligible for MOC credits.*

## **MS Duels Program**

**Course Chair:** Mark Freedman

MS Duels is a debate style learning initiative that examines hot topics from 2 perspectives – allowing both the debaters and the participants to challenge their thinking around different areas pertaining to the management of MS.



## **NEURO CAREERS**

► [www.cnsfederation.org/careers](http://www.cnsfederation.org/careers)

Looking for a new career opportunity?  
Looking to advertise a position at your center?

### **Check out Neuro Careers!**

Neuro Careers is an online classified advertising resource on the CNSF website and linked on the CJNS page within Cambridge Core. Direct links to classified ads are also included in the CNSF members' newsletter, the Neuro|News.

Classified ads are posted online for 2 months, for less than \$500. They open as a full page PDF complete with color, graphics and company logos.

Neuro Careers is a great way to advertise job opportunities and fellowships to Neurologists, Neurosurgeons, Pediatric Neurologists, Neurophysiologists and related health care professionals.

To find out more, contact Donna at [donna-irvin@cnsfederation.org](mailto:donna-irvin@cnsfederation.org).



# Exhibitor Listings

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## abbvie

booth 314

Abbvie combines advanced science, expertise and passion to solve serious health issues and have a remarkable impact on people's lives.

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## Athena Diagnostics

booth 103

Athena Diagnostics is a leader in diagnostic testing for neurological diseases and offers innovative tests for Alzheimer's disease, muscular dystrophy, and other neuromuscular and developmental disorders.

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## Biogen Idec

booth 301

*Silver Sponsor*

One of the pioneers in biotechnology, Biogen today has the leading portfolio of medicines to treat multiple sclerosis, has the first and only approved treatment for spinal muscular atrophy in the United States, and is at the forefront of research into new medicines for neurologic and neurodegenerative conditions.

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## Blueprint Genetics

booth 304

Blueprint Genetics is a state of the art genetics diagnostics laboratory committed to providing exceptional quality and customer service in a profoundly cost effective way. We combine our proprietary molecular technology for advanced next generation sequencing and an IBM Watson powered interpretation pipeline to deliver genetic knowledge in an advanced and comprehensive way.

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## Cambridge University Press

booth 306

We further the University's mission by disseminating knowledge in the pursuit of education, learning and research at the highest international levels of excellence. Cambridge University Press is the proud publisher of Canadian Journal of Neurological Sciences.

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## Codman Neuro

booth 105

Codman Neuro develops a wide range of diagnostic and therapeutic products for the treatment of neurological and neurovascular disorders, focusing on hydrocephalus, neuro-critical care, tumors, pain management, severe spasticity, aneurysms and cerebral arteriovenous malformations.

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## CSL Behring Canada

booth 308

Over a century ago, CSL (global specialty biotherapeutics company) promised to protect the health of patients with life-threatening medical conditions live full lives. Today, that promise has never been stronger.

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## Eisai

booth 206

*Silver Sponsor*

Eisai Limited (pronounced ā-zī) is the Canadian pharmaceutical subsidiary of Tokyo-based Eisai Co. Ltd, manufacturers of FYCOMPA and BANZEL. Eisai is a human health care (hhc) company seeking innovative solutions in disease prevention, treatment and care for the health and well-being of people worldwide.

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## EMD Serono

booth 210

*Silver Sponsor*

EMD Serono provides innovative drug therapies that address unmet medical needs in the areas of neurodegenerative diseases, fertility and endocrinology.

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## Fraser Health

booth 104

With scenic mountain views, ocean beaches and easy access to leisure activities, you can enjoy a thriving lifestyle steps away from work. Talk to us about opportunities at Fraser Health, BC's largest and fastest growing health authority.

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## GeneDx

booth 111

GeneDx specializes in genetic testing for rare hereditary disorders. Our mission is to make clinical testing available to people with rare genetic conditions and their families.

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## Grifols

booth 208

*Silver Sponsor*

Grifols is a global pharmaceutical company that develops and produces plasma-derived therapies and manufactures hospital pharmacy products, intravenous solutions, diagnostic tools and medical devices.



# Exhibitor Listings

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**Hoffmann-La Roche Limited**  
**The Role of B Cells in MS** booth 200

**Hoffmann-La Roche Limited**  
**Disease Activity in MS** booth 201

*Platinum Sponsor*

Roche is a leader in the research and development of pharmaceutical and diagnostic solutions that look beyond today's horizons and make a profound difference in people's lives.

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## Integra LifeSciences

booth 213

*Bronze Sponsor*

Integra Canada (an Integra LifeSciences Company) is a leader in Neurosurgical Medical Devices dedicated to limiting uncertainty for Neurosurgeons so that they can concentrate on providing the best patient care.

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**Interior Health** booth 113

Come live, work, and play where others vacation! Talk to Interior Health Physician Recruitment and find out why it's better here in the Southern Interior of BC!

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**KEGO Corporation** booth 115

KEGO is your one stop shopping for Diagnostic needs.

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**Koven Technology Canada Inc.** booth 109

Koven Technology Canada Inc., a subsidiary of Koven Technology, Inc. was opened in 2003 in Winnipeg, Manitoba. Koven is a leading manufacturer of vascular and neurovascular instruments.

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**LifeLabs Genetics** booth 112

LifeLabs is a Canadian-owned company with over 50 years of experience providing laboratory testing services to help healthcare providers diagnose, treat, monitor and prevent disease.

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**Medtronic of Canada Ltd.** booth 207

*Silver Sponsor*

Global leader in the industry, Medtronic is committed to advancing the treatment of spinal, neurological, and chronic pain conditions that impact millions of people worldwide.

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**Natus** booth 309

Natus Neurology is a leading provider of healthcare products used for the detection and monitoring of neurological dysfunction, epilepsy and sleep disorders; neurophysiologic research, and cerebral vascular disorders.

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**Neurocode Labs Inc.** booth 108

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**NeuroSource Medical** booth 100

We are a Canadian-owned neurodiagnostic distribution company with professional staff having a combined 70+ years of clinical electrophysiological experience and a clear understanding of every product we sell.

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**Novartis** booth 202

*Silver Sponsor*

Novartis provides innovative healthcare solutions that address the evolving needs of patients and societies. Headquartered in Basel, Switzerland, Novartis offers a diversified portfolio to best meet these needs: innovative medicines, cost-saving generic and biosimilar pharmaceuticals and eye care.

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**Renishaw Healthcare Inc** booth 102

Renishaw is one of the world's leading engineering and scientific technology companies, with expertise in precision measurement and healthcare.

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**Roxon Medi-Tech Ltd.** booth 300

Roxon is an established distributor of Neurology diagnostics systems for EEG/EMG/ICU/IOM, and TMS equipment as an aid to diagnosis and monitoring of neurological diseases.



# Exhibitor Listings

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## Sanofi Genzyme – MS

booth 205

*Gold Sponsor*

We have built a franchise in multiple sclerosis that aims to address the unmet needs of this patient community. At Sanofi Genzyme Canada, one area of significant unmet medical need where our experts have focused their attention is Multiple Sclerosis (MS). Finding effective treatments for a complex disease like multiple sclerosis is no easy task, but our MS research is spearheaded by top experts employing some of the most advanced and creative scientific problem-solving skills in the industry.

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## Sanofi Genzyme – Rare Diseases

booth 203

We have long been known for our expertise in rare diseases, including the class of genetic disorders known as lysosomal storage disorders (LSDs). LSDs such as Pompe disease are prime examples in how Sanofi Genzyme is committed to patients in neurology through innovations in diagnosis and treatment.

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## Stryker

booth 106

Stryker is one of the world's leading medical technology companies and is dedicated to helping healthcare professionals perform their jobs more efficiently while enhancing patient care.

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## Sunovion Pharmaceuticals

booth 307

Sunovion Pharmaceuticals Canada Inc. is focused on the commercialization of prescription products in Canada. We are focused in the areas of central nervous system and infectious disease.

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## Surgi-One Medical Technologies Inc.

booth 302

Surgi-One Medical Technologies Inc. is dedicated to supplying our Canadian Hospital customers with unique and innovative Neurosurgical, Neuro Critical Care, and Spinal Products to enhance the clinician's ability to provide the best patient care available.

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## Synaptive Medical

booth 101

Synaptive, a medical device and technology company, pursues connections that transform the process of care. Designed in collaboration with leading clinicians, Synaptive products break down silos in and beyond the operating room.

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## Terumo BCT

booth 305

Terumo BCT, a global leader in blood component, therapeutic apheresis and cellular technologies. We believe in the potential of blood to do even more for patients than it does today. This belief unites our organization, inspires our innovation and strengthens our collaboration with customers.

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## The Electrode Store

booth 315

The Electrode Store is a manufacturer and distributor of quality monopolar, concentric, and hypodermic needle electrodes, surface electrodes and accessories for EMG or EEG. Established 1975. Low prices; quick shipping.

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## Trudell Medical Marketing Limited

booth 303

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## UCB Canada

booth 110

At UCB Canada Inc. we aspire to be the Patient-Centric global biopharmaceutical leader transforming the lives of people with severe diseases.

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## ZEISS Canada

booth 114

Neurosurgeries worldwide are performed using visualization solutions from ZEISS. Designed to suit the high demands of neurosurgery, ZEISS visualization systems support neurosurgeons to expand their boundaries of surgical care.

# Victoria Fast Facts

- The Fairmont Empress Hotel serves over 500,000 cups of tea annually.
- Victoria has the second highest number of restaurants per capita in North America. Once again, only behind San Francisco.
- National Geographic Magazine recognizes Vancouver Island as one of the best cold-water diving destinations for its marine diversity and water clarity. In fact, the renowned Jacques Cousteau Society considers it the second best region, only behind the Red Sea.
- Victoria's waters are home to three resident pods of Orca Whales, totaling over 80 mammals.
- The Maritime Museum of British Columbia, located in Victoria is home to North America's oldest operating birdcage elevator.
- The Art Gallery of Greater Victoria has the second best and most comprehensive collection of Asian art in Canada.
- Victoria has hundreds of kilometres of bicycle paths, bike lanes and bike routes in the city, including the incomparable Galloping Goose Regional Trail.
- There are over 70 city parks including Beacon Hill Park which boasts vistas across the Juan de Fuca Strait. Beacon Hill Park is also home to the Mile "0" marker for the 8,000 kilometer Trans-Canada Trail.
- Forty six percent of people in Victoria walk, ride or use public transportation to get to work.
- Bastion Square was once home to gallows and a jailhouse in the late 1800s. The unclaimed bodies of prisoners who died there are still buried beneath the bustling square.
- Victoria has the highest vegetarian food sales per capita in North America.



# “QUOTES from a Doc”

## WE ASKED TWO CNSF MEMBERS FOR THEIR VIEWS ON WORK AND LIFE ...

### Tejas Sankar

#### Was there a defining moment that led you to choose the neurosciences as your career, and why?

As a first-year medical student, I had the opportunity to watch the great Dr. Andre Olivier perform an operation for epilepsy at the Montreal Neurological Institute. I had never seen something so fascinating or intricate before. At the end of that operation, I immediately knew that I was going to be a neurosurgeon!

#### What was the greatest piece of advice you have received?

Check your ego at the door (courtesy of the inimitable Dr. Vivek Mehta)

#### What do you do when you have down time?

I like to play squash and tennis, and to travel to new locales with my wife Angelina.

#### What do you think of when you hear the words brain health?

Preserving that which makes you human for as long as possible.



#### What is your favorite book and why?

*Shake Hands With the Devil: The Failure of Humanity in Rwanda* by Lieutenant-General Roméo Dallaire. Though a painful and disturbing read, it helps me to never forget the intrinsic value of every human life.

#### Which technology could you do without?

Selfies (I know, they aren't really a "technology", but they are enabled by it)

#### What one thing could everyone do to stay brain healthy?

Regular aerobic exercise

#### How has your career in medicine created value in your life?

A career in medicine has given me a strong sense of purpose, and the necessary perspective to get through the challenges life has thrown my way so far.

#### What advice would you give to someone aspiring to be successful?

Know thyself, and the rest will follow.

### Kristine Chapman

#### Was there a defining moment that led you to choose the neurosciences as your career, and why?

While working as an occupational therapist, I worked with a woman who had profound neglect after a stroke and only ate the food on one side of her plate — I wanted to understand what was happening in her brain. This episode and others eventually led to a path to neurology, a decision I have never regretted.

#### What was the greatest piece of advice you have received?

"Work hard, play hard" - from my father.

#### What do you do when you have down time?

We are a skiing family, so spend a lot of time at Whistler. I'm an avid telemark skier and love the back country. I like to bike and run, and of course the best is time with my family.



#### What do you think of when you hear the words brain health?

The ability to maintain an active mind. I think of prevention, healthy choices, and quality of life.

#### What is your favourite book and why?

I love all of Barbara Kingsolver's books, especially *The Bean Trees*, *The Lacuna* and *The Poisonwood Bible*. Her books are political, but are great reads and the characters stay with you forever.

#### Which technology could you do without?

I'm not on Facebook, and we don't have wifi at our cabin... but I couldn't live without our EMR, Plexia.

#### What one thing could everyone do to stay brain healthy?

Embrace an active lifestyle with choices like walking or biking to work and taking the stairs.

#### How has your career in medicine created value in your life?

I feel so fortunate to look forward to going to work, to be learning new things every day, and to work with a terrific group of colleagues.

#### What advice would you give to someone aspiring to be successful?

Follow your heart.

# 2017 Sponsors

The CNSF's relationship with all its supporters and exhibitors is based on honesty, integrity and transparency.

The CNSF relies on the support it receives from all industry sectors.

The CNSF receives this support throughout the year; at our Congress, through our Journal and in our other CPD activities. Industry is very generous year after year in their provision of unrestricted and unconditional grants to the CNSF. Thank you!

The CNSF's major supporters are listed below, none of whom have had any input into the CNSF's CPD programs, the Congress, or the Journal. Most importantly, our Congress courses, programs and speakers are selected independently by our SPC/PDC Committee and the CNSF Board.

Thank you to the following:

## PLATINUM

**Hoffmann-La Roche:** for the sponsorship of Congress lanyards; support of a Congress Section 1 co-developed session: *Changing the Course of MS — High Efficacy Therapeutic Options*; the purchase of 2 Exhibit booths; Neuro|News advertising; and Section 1 co-developed programs across Canada for Neurologists and Nurses on MS.



## GOLD

**Sanofi Genzyme:** for supporting a Lunch 'n Learn: *The Long Term Implications of Selecting an Oral Disease Modifying Therapy* (unaccredited); *Accelerating Diagnosis of Neuromuscular Disorders* (unaccredited); and the purchase of 2 Exhibit booths.



## SILVER

**Biogen Canada Inc:** supporting a Lunch 'n Learn: *Spinal Muscular Atrophy Update* and the purchase of an Exhibit booth.



**Eisai:** for the purchase of an Exhibit booth, and Neuro|News advertising.



**Eli Lilly:** for supporting a Congress Section 1 co-developed session: *Recent Advances in CSF Analysis in Cognitive Impairment*.



**EMD Serono:** for supporting the Congress Session: *MS Duels Program on Multiple Sclerosis* (unaccredited); the purchase of an Exhibit booth; sponsorship of the Empress Key cards; Congress Delegate Gift; and Neuro|News advertising.



**Grifols:** for supporting the Neuromuscular Clinical Case Study; the purchase of an Exhibit booth; and a Fellowship Grant to CSCN for 2017/2018.



**Medtronic:** for supporting the *Movement Disorder and Stroke, Medical and Surgical Aspects* Courses; the purchase of two Exhibit booths; a Tech Suite; postcard distribution at the Congress; and Neuro|News advertising.



**Novartis:** for supporting a Lunch n' Learn: *Alzheimer's and MS* (unaccredited); the purchase of 2 Exhibit booths; and support of the Congress Course Notes Program.



## BRONZE

**Allergan:** for supporting the *Update in Headache Medicine* Course.

**Integra:** for the purchase of 2 Exhibit booths and a Tech Suite.

**Teva Canada Innovation:** for Neuro|News advertising.



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