

CANADIAN NEUROLOGICAL SCIENCES FEDERATION

# NEURONEWS

ANNUAL EDITION 2015

*Celebrating*  
**50** *Years*  
*of Congress*





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*CNSF Advocacy Chair*  
*CNS Member*



**Shabhan Vachrajani**  
*CNSF CPGC Chair*  
*CNSS Member*



## CEO's Message

**NEURO|NEWS** is a bi-monthly publication of the CNSF which is used to: communicate relevant CNSF and member Society activities, provide highlights of the Congress, member profiles, information on the Journal and activities of our major Committees such as Continuing Professional Development, Scientific Program, Advocacy and Clinical Practice Guidelines. We also utilize the **NEURO|NEWS** to promote Membership services and benefits and acknowledge our sponsors' support.

**NEURO|NEWS** is intended to more clearly and succinctly detail the CNSF activities and how the volunteers comprising the CNSF Board and the CNSF Committees are working hard on your behalf to provide you with the many benefits of joining one, or more, of the four Societies which comprise the Federation.

We hope you find this annual edition of the **NEURO|NEWS** both informative and of value.

Thank you.

**Dan Morin**  
Chief Executive Officer  
CNSF

## President's Message

The annual edition of **NEURO|NEWS** gives me a chance to sum up the activities of the past year and look at goals for the new one.

Through the bi-monthly distribution of **NEURO|NEWS** the Federation has kept its members up to date on its activities, the Congress Program, the Journal and individual Society initiatives.

Let me take the opportunity to thank our sponsors who contribute so generously towards the CNSF and our congress. There would not be a Congress without their unconditional support.

I want to also thank the members of the CNSF who teach at our sessions/courses and present their research at the Congress. You are participating in the education of your peers, and your dedication and contribution to the CNSF is appreciated by both the attendees and the organizers. I thank you personally for your efforts.

Please help us make the **NEURO|NEWS** even better by submitting interesting news or studies that you are aware of, and let us know of any projects, successes and questions you would like to share with your colleagues.

I hope you enjoy the content of this magazine, the related CNSF information and encourage you to share it with colleagues who could not join us for congress.

I hope to see all of you in Toronto — I know that this year it will be outstanding.

Yours Truly,

**Jeanne Teitelbaum**  
President  
CNSF

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# Benefits of Membership

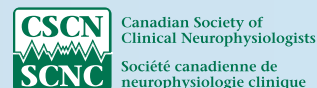


## Our Member Societies

CANADIAN ASSOCIATION  
OF CHILD NEUROLOGY  
(CACN)



CANADIAN SOCIETY OF  
CLINICAL NEUROPHYSIOLOGISTS  
(CSCN)



CANADIAN  
NEUROSURGICAL SOCIETY  
(CNSS)



CANADIAN  
NEUROLOGICAL SOCIETY  
(CNS)



**The four member societies of the CNSF are the actual ‘owners’ of the Federation. Each Society is represented on the CNSF Board by their President and Vice President. Additional society members serve on the Society Board of Directors, the CNSF Executive, and the major committees of Professional Development, Scientific Program, Advocacy and Clinical Practice Guidelines.**

## THE CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES

The official publication of our four member societies, the Journal is a widely circulated, internationally recognized, peer reviewed medical journal. Members receive a full access, online subscription to the Canadian Journal of Neurological Sciences (CJNS). Six issues per year, plus supplements are available through the CNSF Member Centre or by logging in with a CNSF ID through Cambridge Journals Online.

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, the repository upload fee is \$2,000 / article for first open access repository upload. CNSF Members pay only \$1,000 for this service.

## ANNUAL SOCIETY PRIZES

Junior members have the opportunity to win valuable society prizes. There are 6 first place prizes available, each valued at approximately \$2,500. Winners have the privilege of presenting their work at the Chair's Select Platform Session at the Congress. There may also be opportunities for second place prizes of \$500. All details and submission information is available in the annual "Call for Abstracts Book" on our website.

## SCOTIA PROFESSIONAL® PLAN

The CNSF and Scotiabank alliance provides CNSF members with an enhanced Scotia Professional® Plan, a flexible program designed to meet your financial needs at each stage in your career. Additional information may be found within the CNSF Members' Centre.

## ANNUAL CONGRESS

Our Federation, assisted by the Professional Development and the Scientific Program Committees, hosts the annual CNSF Congress, geared towards the Continuing Professional Development learning needs of Neurologists, Neurosurgeons, Pediatric Neurologists, Neurophysiologists and Neuroscientists. Members attend the CNSF Congress at a generously discounted registration fee. Our Congress is an accredited learning activity; earn CME credits for your Maintenance of Certification; gather with your colleagues and friends from across the country. Learn, Mentor, Share, Teach, Collaborate, Advocate

## RESIDENTS

First-year residents can apply for complimentary first-year membership. Subsequent years of membership during residency are also partially subsidized by their Society. The CNS, CNSS and CACN all have a resident representative on the CNSF Board and Professional Development and Scientific Program Committees. These committees determine the scientific program for each year's Congress. The resident representatives attend the CNSF Board of Directors meetings, as well as Society meetings. Resident members are welcome to contact their society resident representative with any issues, concerns or ideas that they would like to see discussed at their Society or the CNSF Board meetings.



## RESTAURANTS & PUBS

Toronto's more than 7,000 restaurants reflect tastes, cultures and ingredients from around the world. From upscale to down home, you'll find dining experiences and culinary adventures to satisfy every taste.

Toronto restaurants are as ethnically diverse as any city in the world. Toronto is commonly known as an open minded city that welcomes all visitors. Its residents have come to Canada from 170 different countries and speak more than 100 different languages. In recent years, the United Nations named Toronto as the most ethnically diverse city in the world. For these reasons, Toronto restaurants are considered among the finest dining in the world. Choose your cuisine!

# What to See & Do in Toronto

Zoom up to the top of North America's largest freestanding structure for a breathtaking view of Canada's biggest and most cosmopolitan city. Globetrot through intriguing ethnic neighbourhoods in what the United Nations called the world's most multicultural city.

Find almost any style of international cuisine in Toronto's more than 5,000 restaurants where you can have a gastronomic adventure in a posh eatery or sip a cappuccino at a sidewalk café. Shop for everything from designer fashions to souvenir trinkets in chic boutiques and a huge glass emporium in the heart of downtown.

### DUNDAS SQUARE



### LET'S GO BLUEJAYS, LET'S GO!

Rub elbows with the stars at the Toronto International Film Festival or get caught up in the roar of the Grand Prix of Toronto - just two of the numerous special events that draw the world to Toronto. Explore world-class museums such as one that houses one-of-a-kind sculpture collections and another devoted solely to shoes.

Step out for a night on the town to see first run theatre or cheer on the pros at major league baseball, hockey and basketball games. Hop a ferry from Toronto's harbour for green islands just offshore. North America's fifth largest city offers a stellar mix of culture, urban energy, natural green spaces and friendly people.



# Quotes from Docs

We asked a few of CNSF's past and current board members for their views on work and life.

Here's what they had to say...



Sharon Whiting  
Vice Dean Health/Hospital Services,  
Faculty of Medicine,  
University of Ottawa

**What was the greatest piece of advice you have received?** This was today's advice when discussing the need for speed in stroke care... Why is patience a virtue? Why can't 'hurry up' be a virtue?

**What do you do when you have down time?** Sleep, eat, drink, play sports, coach kids.

**What do you think of when you hear the words brain health?** The risk of mixed and vascular dementia.

**What is your favorite book?** There are many. Recently, the Oryx & Crake series from Margaret Atwood.

**Which technology could you do without?** Television

**What one thing could everyone do to stay brain healthy?** Move. Exercise. You have to move to live.

**What advice would you give to someone aspiring to be successful?** No general advice. Advice is situational.

They all agree that  
*exercise is  
what keeps the  
brain healthy*

**Was there a defining moment that lead you to choose neurosciences as your career?** A patient died of meningitis when I was a clerk. I realized how sensitive the CNS was, and how good one had to be to look after CNS disease.

**What was the greatest piece of advice you have received?** "The more you teach, the more you learn" from one of my early teachers in post grad training.

**What do you do when you have down time?** Drink wine, read about it, and then travel to wine producing regions.

**What is your favorite book and why?** No Great Mischiefs, Alistair MacLeod. An honest, well written book about normal folks from Cape Breton where family is important.

**Which technology could you do without?** Nuclear Medicine

**What one thing could everyone do to stay brain healthy?** Stay busy... no loafing about!

**How has your career in medicine created value in your life?** Met wonderful people and taught students.

**What advice would you give to someone aspiring to be successful?** You choose a career... any career... that you love. Hard to be great at something somebody else chooses for you or that you thought appropriate.

**Was there a defining moment that lead you to choose neurosciences as your career, and why?** I worked as a foreign exchange student in the US after high school in a rehab center and met a patient with hydrocephalus. I was so intrigued, I decided on medicine as a career. I was on a course to be a physicist — but once in med school I kept coming back to that child.

**What was the greatest piece of advice you have received?** 40% of what you worry about will not happen.

**What do you do when you have down time?** Read fiction or non-fiction. Must do so almost every day.

**What do you think of when you hear the words brain health?** Amazing outlook for the future regarding areas such as strokes, Alzheimers.

**What is your favorite book?** The Year of Magical Thinking by Joan Didion. Didion's account of the year after her husband died so mirrored my year after my mother died unexpectedly. It was comforting to read of another person having such a similar experience. The idea behind the title Magical Thinking was that if we hope for something enough or perform the right actions an unavoidable event will not occur.

**Which technology could you do without?** Facebook

**What one thing could everyone do to stay brain healthy?** Exercise.

**How has your career in medicine created value in your life?** Given me the perspective of gratitude on a daily basis.

**What advice would you give to someone aspiring to be successful?** It is not all about you.



Michael D. Hill  
Associate Professor,  
University of Calgary



Christopher  
Wallace  
Professor, Division  
Chair and Service  
Chief  
Queen's University



### **The CNSF is pleased to be aligned with the following Affiliate and Associate Societies. We value and appreciate these partnerships.**

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

- Canadian Association of Neuroscience Nurses (CANN)
- Canadian Association of Electroneurophysiology Technologists Inc. (CAET)
- The Association of Electromyography Technologists of Canada (AETC)
- Canadian Association for Neuroscience (CAN)
- Canadian Association of Physical Medicine & Rehabilitation (CAPM&R)

The CNSF and its Affiliate Societies work collaboratively whenever possible throughout the year. The CNSF values and appreciates this partnership.

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 Research Network (CALS)
- 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 (C5R)



### **Resident's Social**

### **Don't forget...**

**Wednesday, June 10<sup>th</sup>**

**7:30pm to 9:30pm**

**Library Bar // Mezzanine Level**

The residents' social will provide residents with an occasion to network with colleagues and staff physicians in an informal setting; casual fare will be provided. There will be a job fair at the social event. Staff physicians and academic centres that are hiring for fellowships and staff positions will be present and residents will be able to learn about available opportunities.

**This event should provide a great setting for forging relationships and enjoying the company of colleagues.**





The Distinguished Service Award is presented 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 — 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.

## 2015's Distinguished Service Award recipient is...

### Dr. Garth M. Bray

Garth joined the Canadian Neurological Society in 1969 and has held all of the Executive positions, including serving as President in 1988 and 1989. Garth Chaired the CCNS Liaison Committee in 1988 and 1989 and served as its Vice Chair and Secretary in years' prior. He has served as either Executive Vice-President or Vice-President of the CNSF since 2004 and has contributed greatly to the CNSF's re-organization (and name change) in 2006 and in subsequently in Strategic Planning initiatives.

Garth chaired the Congress Neurobiology Review Course from 1991 to 2003 and was an active and contributing member of the CNSF CBANHC/Advocacy, Professional Development and Clinical Practice Guidelines Committees in 2004, 2006 and 2010 respectively.



Externally, Garth is one of the CNSF representatives to our advocacy partner the Neurological Health Charities of Canada and has served as the Chair of the National Population Health Study of Neurological Conditions, Scientific Advisory Committee, and the NPHSNC Synthesis Panel.

Garth, since 2006, has been a friend, mentor and advisor to the CEO and all of the past Executive Committee members who truly value and appreciate his unwavering support and counsel.

On behalf of all CNSF and Society members Garth, a heartfelt thank you and best wishes for the future.



Dr. Pickett's name was drawn from the Overall Congress Evaluations that were submitted from the 2014 Congress in Banff. Thank you. We appreciate your input.

Dr. Pickett will enjoy complimentary hotel and registration for our 2015 Congress here in Toronto.

Be sure that you participate in the "Overall Congress Evaluation" at the end of the Toronto Congress for your opportunity to win complimentary hotel and registration for the 2016 Congress in Quebec City — June 21-24, 2016. Evaluation link will be sent to all delegates via email on Friday, June 12th.



**Congratulations to...  
Dr. Gwynedd Pickett  
CNSS Member**

## Please join us...

Friday, June 12th at 11:00 am to 1:00 pm for a special brunch celebrating the CNSF's 50th Congress.

## CNSF 50<sup>th</sup> Congress Anniversary Brunch



# 2015 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).

<b>Bev Prieur</b>	PDC Chair (CACN, CNS)	<b>Joe Megyesi</b>	PDC (CNSS)
<b>Joe Megyesi</b>	PDC Vice-Chair (CNSS)	<b>Lawrence Korngut</b>	SPC (CNS, CSCN)
<b>Draga Jichici</b>	SPC Chair (CNS)	<b>Michael Hill</b>	CNSF Board, SPC (CNS)
<b>Tejas Sankar</b>	SPC Vice-Chair (CNSS)	<b>Aleksandra Mineyko</b>	SPC (CACN)
<b>Jeanne Teitelbaum</b>	CNSF President (CNS)	<b>Janka Hegedus</b>	SPC, PDC (CNS)
<b>Craig Campbell</b>	SPC (CACN)	<b>Michael Tso</b>	SPC, PDC (CNSS)
<b>Danielle Andrade</b>	SPC (CSCN)	<b>Roger McKelvey</b>	PDC (CNS)
<b>Pat McDonald</b>	SPC (CNSS)	<b>Rudolf Arts</b>	PDC (CNS, CSCN)
<b>Kesh Reddy</b>	CNSF Vice-President, PDC (CNSS)	<b>Serena Orr</b>	SPC, PDC (CACN)
<b>Chintankumar Shah</b>	PDC (CACN)	<b>Seyed Mirsattari</b>	SPC (CSCN)
<b>James Perry</b>	SPC (CNS)	<b>Sharon Whiting</b>	CNSF Vice President (CACN)

## Industry Updates

The CNSF's Industry Updates section of our website, formerly known as the Virtual Exhibit Hall (VEH), is utilized to showcase the CNSF's supporters.

We highlight not only the products and services offered by our supporters, but also highlight their contribution to the needs of patients and other contributions they make to the Canadian Neurological Community.

Please take time to view and comment at:  
[www.iu.cnsfederation.org](http://www.iu.cnsfederation.org)

## 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?

If so, **check out Neuro Careers!**

Neuro Careers is a classified advertising resource on the CNSF website and linked on the CJNS page in Cambridge Journals Online. Direct ad links are also included in the CNSF members' newsletter, the Neuro|News.

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 403-229-9544 or [donna-irvin@cnsfederation.org](mailto:donna-irvin@cnsfederation.org).





In September 2014, Canadians with brain conditions, caregivers and representatives from Neurological Health Charities Canada (NHCC) celebrated the completion of the National Population Health Study of Neurological Conditions, the most comprehensive population health study of neurological conditions in Canada. The study's report, *Mapping Connections: An Understanding of Neurological Conditions in Canada*, highlights the impacts neurological conditions have on affected individuals, their families and the health care system.

The study provides a synopsis of the social and economic impact of brain conditions on individuals, families and caregivers. It identifies policy, program and funding gaps and projects the future impacts of select neurological conditions through 2031 if no action is taken.

Based on the findings in the Study, NHCC is now in active discussions with government officials, MPs and Senators recommending action in the following key areas:

- Creating care and supports that matter by supporting individuals, caregivers and families;
- Harnessing knowledge for better care; and
- Making research matter by investing in a Brain Summit to drive innovation.

NHCC launched the discussions with an advocacy day in Ottawa on March 24, 2015. Richard Riopelle participated in meetings with numerous MPs and Senators on behalf of CNSF.

The National Population Health Study was a four-year, \$15 million undertaking, led by the Public Health Agency of Canada in partnership with NHCC, a coalition of 24 charities representing individuals and families impacted by brain conditions across the country. CNSF has been an active member of NHCC since its inception in 2008 and channels its advocacy efforts through that coalition, while maintaining its independence for other internal advocacy activities.

The study examined 18 neurological conditions in a suite of projects (three national surveys, 13 pan-Canadian research projects, expansion of ongoing surveillance, and a microsimulation project involving 20-year projections of the impacts and costs of brain conditions). The study successfully engaged 177,000 people with brain conditions, caregivers, health charities, public policy leaders and health providers, and more than 130 academic and clinical investigators, marking an unprecedented level of collaboration across fields, professions, jurisdictions, conditions and interests.

NHCC is now focused on taking the findings from the study and moving research to action by advocating for immediate changes to improve the lives of people affected by brain conditions, including addressing specific knowledge gaps, transforming policy and programming, and supporting the uptake and adaptation of successful innovations.

## KEY FINDINGS FROM THE STUDY

- Brain conditions impact individuals and caregivers in similar ways no matter what the cause.
- People living with brain conditions use more health services, at greater cost, than people with other chronic conditions.
- Family and friend caregivers are absolutely essential – without them people with brain conditions would not be living in the community as long as they are, and would not be participating in society to their fullest capabilities.
- Brain conditions can compromise the quality of life of individuals, families and caregivers due to negative impacts on mental and general health, well-being, and financial security.
- In addition to a myriad of functional impairments, such as pain or mobility limitations, depression and other mental health challenges are common in individuals with brain conditions.
- Condition-related out-of-pocket costs and a potential inability to work for both affected individuals and their caregivers can result in financial instability.
- Caregivers can also experience their own mental health challenges because of stress and anxiety.
- Many more people will be living with brain conditions within the next 15 years. The numbers will double for Alzheimer's disease and other dementias, Parkinson's disease, multiple sclerosis, epilepsy, cerebral palsy, and traumatic brain injury in the population over 65 years of age.

**CHAIR:**  
Richard Riopelle

**COMMITTEE MEMBERS:**  
Garth Bray and Michael Hill

**LINK TO THE STUDY:**  
[www.phac-aspc.gc.ca/publicat/cd-mc/mc-ec/index-eng.php](http://www.phac-aspc.gc.ca/publicat/cd-mc/mc-ec/index-eng.php)





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# Exhibitors & Sponsors



## **ALLERGAN | BOOTH 224**

### **SILVER SPONSOR**

Allergan is a multi-specialty health care company established more than 60 years ago with a commitment to uncover the best of science and develop and deliver innovative and meaningful treatments to help people reach their life's potential. Today, we have approximately 10,000 highly dedicated and talented employees, global marketing and sales capabilities with a presence in more than 100 countries, a rich and ever-evolving portfolio of pharmaceuticals, biologics, medical devices and over-the-counter consumer products, and state-of-the-art resources in R&D, manufacturing and safety surveillance that help millions of patients see more clearly, move more freely and express themselves more fully.

## **ABBVIE | BOOTH 231**

AbbVie is a global, research-based biopharmaceutical company formed in 2013 following separation from Abbott Laboratories. The company's mission is to use its expertise, dedicated people and unique approach to innovation to develop and market advanced therapies that address some of the world's most complex and serious diseases. AbbVie employs approximately 26,000 people worldwide and markets medicines in more than 170 countries. For further information on the company and its people, portfolio and commitments, please visit [www.abbvie.ca](http://www.abbvie.ca). Follow @abbvie on Twitter or view careers on our Facebook or LinkedIn page.

## **ATHENA | BOOTH 209**

Athena Diagnostics is dedicated to providing neurologists and other physicians and specialists with insights that can improve patient health. Athena provides the most comprehensive test menu for neurological, endocrine, and renal conditions through more than 400 diagnostic tests. Please check the new Athena Diagnostic's website for more information.

## **BIOCODEX | BOOTH 211/310**

### **GOLD SPONSOR**

BIOCODEX is relying on a global network of scientists and partners, allowing to acquire, over the years, expertise in specific therapeutic areas, such as in orphan disease in children epilepsy, and now enables patients in over 100 countries to have access to its innovative medication. Powered by an industrial vision and innovation, BIOCODEX is committed to provide the best care to patients, emphasizing work on the long term in a constant dialogue with healthcare professionals.

## **BIAGEN IDEC CANADA | BOOTHS 123/222**

### **PLATINUM SPONSOR**

Our research efforts are focused on better understanding the underlying biology of diseases so we can discover and deliver innovative treatments that make a real difference in the lives of patients with high unmet medical needs.

Biogen Idec already provides life-changing products such as TECFIDERA®, AVONEX®, TYSABRI®, and FAMPYRA® for patients affected by multiple sclerosis (MS). And, our development pipeline is one of the strongest in the industry. In the coming years, we will be working hard to bring new therapies to market for patients with serious neurodegenerative, non-malignant hematologic and autoimmune diseases.

## **CAMBRIDGE UNIVERSITY PRESS | BOOTH 210**

Cambridge Journals publishes over 340 peer-reviewed journals, including journals published on behalf of over 100 learned societies, which form the latest in research and discovery across a range of topics. Many of these journals are the leading academic publications in their fields and together they form one of the most valuable and comprehensive collections of research available today. Across the world, Cambridge Journals are available online and in print – keeping scientists, researchers and scholars abreast of crucial developments in research.

## **CARETRAX NEURO | BOOTH 207**

CareTrax Neuro Inc. is the Canadian office of Friendship Medical Electronics Ltd. Founded in 1992, Friendship specializes in the design, development and manufacture of neurological devices used for EMG, EEG, ECG and IONM. The annual production exceeds 20 million sets of 268 different models. Friendship holds a number of important patents that have filled gaps in the neurological device industry. Being equipped with advanced technologies and strong research and development capacity, Friendship is also able to provide customized solutions to fit its clients' needs.

## **Good to know:**

The CNSF Secretariat office is located in Calgary.



The CNSF Board of Directors created a Clinical Practice Guidelines Committee (CPGC) to develop recommendations on how to deal with requests to endorse best-practice guidelines.

## The goals of the Clinical Practice Guidelines Committee are to:

**ENCOURAGE** the development, dissemination and implementation of clinical practice guidelines by the Affiliate Societies and other groups that represent the subspecialties of Neurology and Neurosurgery.

**ESTABLISH** a framework and processes for the promotion and endorsement of clinical practice guidelines so that evidence-based guidelines meet the needs of, and can be communicated effectively to, the CNSF member Societies and their individual members.

**INVESTIGATE** the potential for adapting and adopting Clinical Practice Guidelines developed in other countries, particularly the USA and Europe, for member use in Canada.

**CHAIR:** Shobhan Vachhrajani

**VICE-CHAIR:** Elizabeth Donner

**COMMITTEE MEMBERS:**

Lyle Weston, Jeanne Teitelbaum, Richard Riopelle and Garth Bray

## Good to Know:

The CNSF has four main sources of revenue: Membership dues, Congress registration fees, Journal subscription revenue, Industry sponsorships and Exhibitor revenues (42% of our total revenue). That is why it is imperative that our Congress Delegates visit the Exhibit Hall to thank our supporters and show interest in their products and services.

## National Fellowship

The Canadian Society of Clinical Neurophysiologists (CSCN) wishes to announce that Dr. Anita Florendo-Cumbermack has been awarded the **Canadian National Clinical Fellowship in Neuromuscular Medicine and Electromyography**.

**Congratulations Dr. Florendo-Cumbermack.**

This fellowship was made possible by an unrestricted educational grant from Grifols Canada Ltd. Thank you Grifols!

**GRIFOLS**

## Continuing Professional Development

The Canadian Neurological Society and the 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 2015 CNSF Congress.



# Exhibitors & Sponsors



## **CODMAN NEURO | BOOTH 227/326**

Codman Neuro's three divisions offer comprehensive neuroscience solutions:

**NEUROVASCULAR:** Minimally invasive solutions for stroke prevention and management, and the treatment of cerebral arteriovenous malformations.

**NEUROSURGERY:** Surgical devices for the treatment of brain tumors, hydrocephalus, and other neurological disorders requiring surgical intervention, including products to help patients needing critical care.

**NEUROMODULATION:** Making a meaningful difference for patients who suffer from severe spasticity, and the team of healthcare professionals who treat them.

## **COVIDIEN | BOOTH 311**

Covidien is a leading global healthcare products company that creates innovative medical solutions for better patient outcomes and delivers value through clinical leadership and excellence. Covidien manufactures, distributes and services a diverse range of industry-leading product lines in three segments: Medical Devices, Pharmaceuticals and Medical Supplies.

## **EISAI | BOOTH 218**

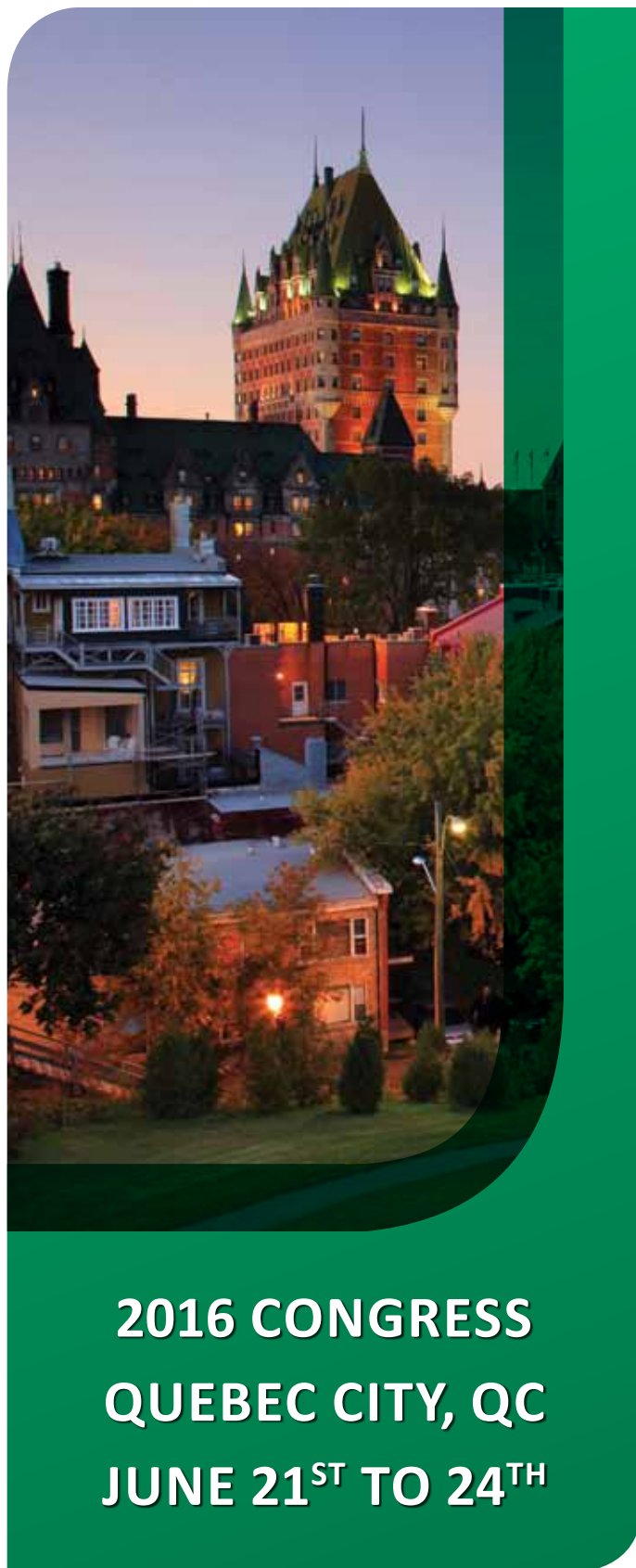
### **SILVER SPONSOR**

Eisai strives to find and develop new compounds that improve the lives of people in Canada in the areas of neurology and oncology. Our neurology products include: Fycompa, for the adjunctive therapy in the management of partial-onset seizures in adult patients with epilepsy who are not satisfactorily controlled with conventional therapy and Banzel, for the adjunctive treatment of multiple seizure types associated with Lennox Gastaut-Syndrome in children 4 years and older and adults. Our oncology products include Halaven, for the treatment of patients with metastatic breast cancer who have previously received at least two chemotherapeutic regimens, Aloxi, for the prevention of chemotherapy induced nausea and vomiting, and Gliadel Wafer, for the treatment of newly diagnosed glioma and recurrent malignant glioblastoma.

## **EMD SERONO**

### **BRONZE SPONSOR**

EMD Serono is a Division of EMD Inc., Canada. EMD Inc., Canada, is an affiliate of Merck KGaA, Darmstadt, Germany. In Canada, EMD Serono provides innovative drug therapies that address unmet medical needs in the areas of neurodegenerative diseases, fertility and endocrinology.



**2016 CONGRESS  
QUEBEC CITY, QC  
JUNE 21<sup>ST</sup> TO 24<sup>TH</sup>**



## Our passion ignites progress

At Eisai, human health care (*hhc*) is our goal. We give our first thought to patients and their families and to increase the benefits that healthcare provides. Our passionate commitment to patient care is the driving force behind all of our efforts. This dedication is born from deep within our soul – an innate desire to find innovative solutions that help address unmet needs and contribute to the well-being of patients worldwide.



*hhc*

*human health care*

Proud silver sponsor of the 2015 CNSF congress  
Visit us at booth 218

# Exhibitors & Sponsors



## **GALEN MEDICAL | BOOTH 200**

Established in 1986, Galen Medical Ltd. prides itself on working with neurosurgeons across Canada to provide surgical technologies that are unique and innovative. Products such as the Nico Myriad and the BrainPath are helping surgeons practice minimally invasive neurosurgery with excellent patient outcomes and the BoneScalpel from Misonix that allows the surgeon to perform safe spine osteotomies while always sparing adjacent soft tissue.

## **GENEDx | BOOTH 321**

GeneDx tests for 350-plus rare Mendelian disorders using DNA sequencing and deletion/duplication analysis of the associated gene(s), and offers oligonucleotide microarray-based testing and next-generation sequencing based panels for inherited cancers, including gastrointestinal cancers and disorders, inherited cardiac disorders, mitochondrial disorders, and neurodevelopmental disorders. Visit GeneDx.com for additional information and contacts.

## **GENZYME – MULTIPLE SCLEROSIS | BOOTH 315/317** **BRONZE SPONSOR**

Genzyme has long been known for our expertise in the class of rare genetic diseases known as lysosomal storage disorders (LSDs). Today we have also expanded our focus to other rare diseases and multiple sclerosis (MS). At Genzyme Canada, one area of significant unmet medical need where our experts have focused their attention is (MS). We are delivering new approaches for confronting MS now and in the future. Genzyme Canada is pleased to offer Lemtrada™, a unique therapy with a novel dosing regimen. Lemtrada further complements Genzyme's current oral therapy, Aubagio™ (teriflunomide), a once-a-day oral therapy, both approved by Health Canada for the treatment of Relapse-Remitting Multiple Sclerosis.

## **GRIFOLS | BOOTH 216** **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. As the third largest global producer of plasma therapies, Grifols has a presence in more than 90 countries and is the world leader in plasma collection, with 150 plasma donation centers across the U.S.

## **HEALTH MATCH BC | BOOTH 324**

Health Match BC is a free health professional recruitment service funded by the Government of British Columbia.

## **INTEGRA CANADA ULC | BOOTH 212/214**

Integra Canada is a leader in Neurosurgical Medical Devices and Neuro Critical Care Monitoring. We are pleased to feature at this year's meeting Integra products such as CUSA, Mayfield, Duragen, CRW Precise Stereotactic Frame, Ruggles instruments, Licox, and Camino. Integra having recently acquired Duraseal Dural Sealant we will be launching Duraseal Exact for Spinal applications. We will also be showing NEW innovative technologies such as the VS3 Visionsense 3D Stereoscopic Camera System and a new range of micro instruments and Sugita T2 Titanium Aneurysm Clips from Mizuho.

## **KEGO | BOOTH 323**

KEGO Corporation (formerly King Medical) provides wholesale medical equipment and supplies to the Canadian healthcare industry. At KEGO, we strive to provide our customers with quality products, cost saving advantages, prompt delivery, and the highest level of customer service. We look forward to developing a business relationship with you and your company, an association that you will trust and rely on. We appreciate your business and look forward to fulfilling your future product needs.

## **LEICA MICROSYSTEMS | BOOTH 201**

Leica Microsystems announces the Leica M720 OH5 with Horizontal Optics and Leica M525 OH5 Neurosurgical microscopes, plus the first surgical microscope with built-in 3D HD video recording.

## **LIFELABS | BOOTH 300**

We care about helping patients and physicians and we use our knowledge of laboratory medicine to help identify the right course of action to improve health outcomes.

## **Good to know:**

The CNSF office is currently staffed by three permanent employees:

**MARIKA FITZGERALD – 15 YEARS**  
Controller

**DONNA IRVIN – 10 YEARS**  
CNSF Member Services

**DAN MORIN – 9 YEARS**  
CEO

We contract some of our major services to third parties:

**INTERTASK**  
Congress

**CAMBRIDGE UNIVERSITY PRESS**  
Journal



COME SEE MORE AT  
THE NOVARTIS BOOTH



**IN MS:  
THE DAMAGE  
YOU SEE.**



**THE DAMAGE  
YOU DON'T.**

DIFFUSE DAMAGE

Both focal and diffuse damage  
contribute to loss of function in MS<sup>1</sup>

MS: multiple sclerosis.

Reference: 1. Smith K, McDonald I, Miller M et al. The pathophysiology of multiple sclerosis. In: Compston A, editor. McAlpine's Multiple Sclerosis. 4<sup>th</sup> ed. England: Churchill Livingstone Elsevier; 2005.

# Exhibitors & Sponsors



## **MEDTRONIC | BOOTH 313**

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

Medtronic develops innovative surgical devices and implant therapies for the treatment of various cranial, spinal and orthopaedic conditions. We strive to bring procedural intelligence and smart instruments to surgery to enable intraoperative precision, visualization, surgical access, navigation and imaging.

## **NATUS MEDICAL INCORPORATED | BOOTH 131**

Natus Medical Incorporated is a leading provider of medical devices, software and services for the Newborn Care, Neurology, Sleep, Hearing and Balance markets. Natus products are used in hospitals, clinics and laboratories worldwide.

## **NEUROSOURCE MEDICAL | BOOTH 205**

NeuroSource Medical is a Canadian-owned neurodiagnostic distribution company established by a group of professional physiologists and technologists who have a combined 70+ years of experience and a working knowledge of every product they sell. NeuroSource Medical has established relationships with many of the leading MD, PhD and technologists from across the country affording its customers expert opinions and product feedback to ensure complete satisfaction with every product delivered. This clinical and technical knowledge coupled with NeuroSource Medical's experience provides a service previously unavailable and unmatched by others within the industry.

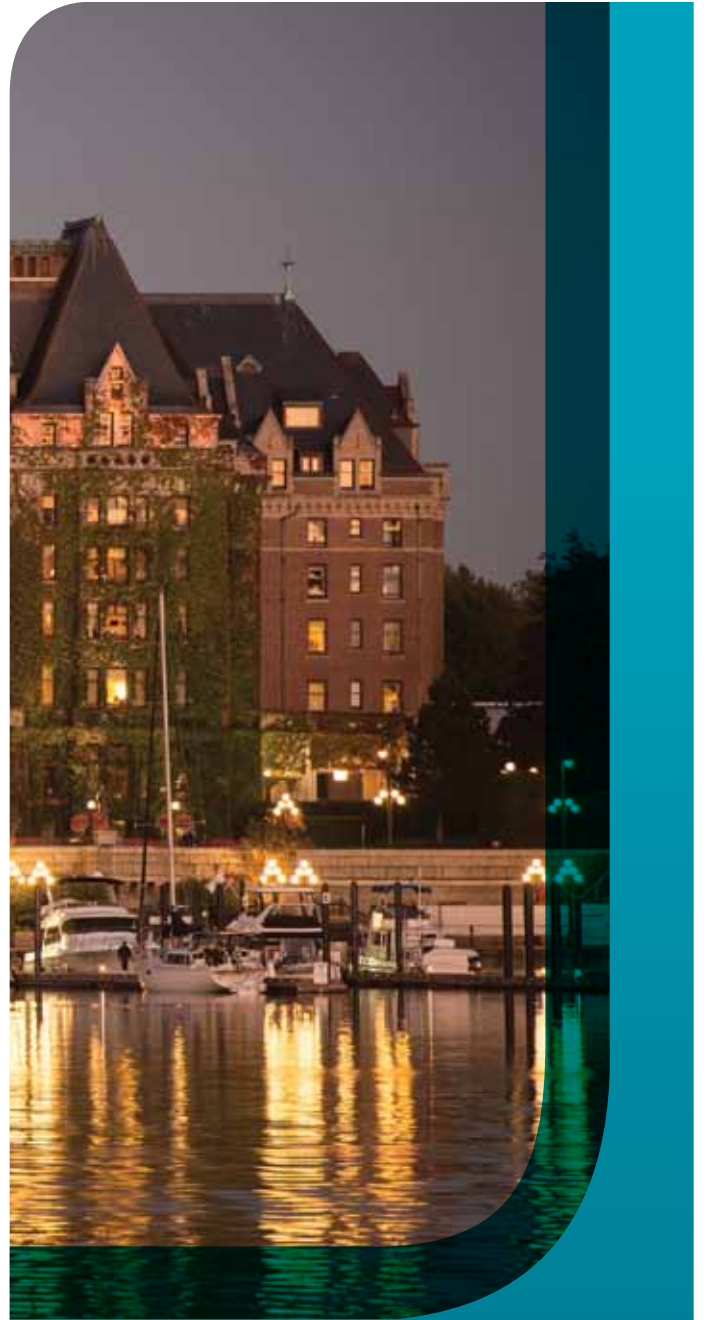
## **NEUROLOGICAL HEALTH CHARITIES CANADA | BOOTH 331**

Neurological Health Charities Canada (NHCC) is a collective of organizations that represent people with chronic, often progressive, neurological and/or neuromuscular diseases, disorders, conditions and injuries (brain conditions) in Canada. The NHCC's role is to provide leadership, evaluating and advancing new opportunities for collaboration specific to advocacy, education and research projects, related to brain health.

## **NOVARTIS | BOOTH 223/322**

### **GOLD SPONSOR**

Novartis Pharmaceuticals Canada Inc., a leader in the healthcare field, is committed to the discovery, development and marketing of innovative products to improve the well-being of all Canadians. In 2012, the company invested close to \$100 million in research and development in Canada. Novartis Pharmaceuticals Canada Inc. employs more than 600 people in Canada.



**2017 CONGRESS  
VICTORIA, BC  
JUNE 20<sup>TH</sup> TO 23<sup>RD</sup>**

AS A PROUD SUPPORTER OF  
THE CANADIAN NEUROLOGICAL  
SCIENCES FEDERATION (CNSF),  
TEVA CANADA INNOVATION  
CONGRATULATES YOU ON  
YOUR 50<sup>TH</sup> CONGRESS!



# Exhibitors & Sponsors



## PROVINCIAL MEDICAL | BOOTH 325

Products include EEG, EMU, EMG, Sleep, ambulatory and Critical Care Neurology equipment from the largest and oldest manufacturer of neurology equipment Nihon Kohden. (1951).

## ROXON MEDI-TECH LTD. | BOOTH 327

Founded in 1975, Roxon Medit-tech Ltd. is a 100% Canadian owned corporation dedicated to supplying the quality specialized equipment to medical facilities across Canada. Our focus is in Cardiac, Respiratory and Neurology equipment.

## SCOTIABANK SILVER SPONSOR

Scotiabank is a proud Canadian financial institution, providing customers with full-service banking, including tailored financing options, wealth management, and investment planning. Our dedicated advisors offer the Scotia Professional® Plan, a customized financial package designed to allow you to focus on patient care while building a successful practice. Members of the Canadian Neurological Sciences Federation qualify for preferred rates and discounts. To learn more, contact your advisor at your local branch.

## SEAKA PRODUCTS INC | BOOTH 309

The gammaCore® is a novel, non-invasive vagus nerve stimulator (nVNS) delivered by a patient friendly, hand-held device to treat migraine & cluster headaches. It is generally accepted that more options for migraine and cluster headache treatment are needed. The gammaCore is a non-pharmacologic treatment option that can be used alone or in addition to other treatments. gammaCore is only available to the patient on the recommendation of a physician. Please visit our exhibit to learn more of our clinical results including peer reviewed articles and ongoing randomized clinical trials.

## STRYKER | BOOTH 308

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. Stryker is a leader in creating surgical instruments that make surgery more efficient, reduce trauma and improve techniques. Through close collaboration with leading surgeons worldwide, Stryker Craniomaxillofacial has gained a well-earned reputation as a market leader for its innovative developments in Craniomaxillofacial and Neurosurgery. In order to maintain this spirit of innovation and leadership, we continuously focus our research and development of biomaterials, fixation systems and radio frequency.

## Good to know:

The CNSF Board, through the Strategic Planning process, has decided that the CNSF's primary focus will be restricted to Continuing Professional Development (through the Congress and Journal) and Advocacy (through the Neurological Health Charities Canada) and Membership growth.

## SUNOVION PHARMACEUTICALS | BOOTH 319 BRONZE SPONSOR

Sunovion Pharmaceuticals Canada Inc., a subsidiary of the U.S. based Sunovion Pharmaceuticals Inc. is headquartered in Mississauga, Ontario. Sunovion Pharmaceuticals Inc., an indirect, wholly-owned subsidiary of Daiinippon Sumitomo Pharma Co., Ltd., is headquartered in Marlborough, Mass.

*We Believe that:*

Our patients come first.

It isn't innovative if it doesn't get results.

No one approach has all the answers.

Wellness promotes well-being.

Healthy bodies and minds free people enabling them to turn outward and reconnect with family, friends, and the wider world. That's the principle that drives all we do at Sunovion Canada.

## SYNAPTIVE | BOOTH 306

Synaptive Medical has dedicated more than 50 engineers and scientists specifically to the development of neurosurgical technologies. The result? Our BrightMatter™ Neurosurgery Products provide advanced tools and information for surgeons and hospitals to focus on patient outcomes.

Synaptive Medical collaborates with top neurosurgeons, radiologists, and healthcare facilities to innovate and integrate these technologies in a way that is cost effective, clinically relevant, and aims to improve patient care.

From informatics to automated surgical positioning systems and imaging, Synaptive Medical provides you with the tools needed to focus on what matters.





## Exhibitors & Sponsors

### TEVA CANADA INNOVATION | BOOTHS 127/226

#### BRONZE SPONSOR

Teva Canada Innovation is the Canadian innovative division of Teva Pharmaceutical Industries Limited, a family of companies with a global footprint, a 100+ year history and a shared obligation to improve patient health. Over the years, we have become a leader in the treatment of relapsing-remitting multiple sclerosis in the country and around the globe. We have expended our neurological expertise with the arrival of products used to treat Parkinson's disease and migraine and we are now developing our portfolio with oncology and women's health products. In our pursuit to improve the health of Canadians, we intend to continue to put the patient at the heart of everything we do, and to work hand in hand with them, their families and their physicians. Our mission is to innovate, assist and reassure ... one patient at a time!

### TRANSGENOMIC | BOOTH 304

Transgenomic, Inc. ([www.transgenomic.com](http://www.transgenomic.com)) is a global biotechnology company advancing personalized medicine in cardiology, oncology, and inherited diseases through its proprietary molecular technologies and world-class clinical and research services. The Company is the global leader in cardiac genetic testing with a family of innovative products designed to detect gene mutations which indicate cardiac disorders, or which can lead to serious adverse events.

### UCB CANADA INC. | BOOTHS 125

#### SILVER SPONSOR

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

### ZEISS CANADA | BOOTH 330

ZEISS introduces the NEW OPMI®PENTERO® 800! Performing demanding surgical procedures on delicate structures through deep channels, requiring precise hand-eye coordination and the increasing need to maximize OR efficiency – are all challenges of today's surgeon. It is precisely these demands that inspired the NEW ZEISS OPMI®PENTERO®800. Whether for its proven apochromatic optics, unparalleled ergonomics or workflow-conductive features, ZEISS OPMI PENTERO 800 delivers crisp visual clarity while optimizing procedural efficiency. Visit the ZEISS booth to learn more!

### ZIMMER | BOOTH 230

Founded in 1927 and headquartered in Warsaw, Indiana, Zimmer designs, develops, manufactures and markets orthopaedic reconstructive, spinal and trauma devices, dental implants, and related surgical products. Zimmer has operations in more than 25 countries around the world and sells products in more than 100 countries. Zimmer's 2013 sales were more than \$4.6 billion. The Company is supported by the efforts of more than 9,000 employees worldwide.



## Exhibitor's Reception

## Don't forget...

Wednesday June 10<sup>th</sup>

5:15pm to 7:15pm

### Exhibit Hall

Join your colleagues in the Exhibit Hall for a welcome reception for our supporters 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.

# Our Major Supporters



The CNSF's relationship with all its sponsors, exhibitors and supporters is an excellent one; based on honesty, integrity and transparency.

Industry supports the CNSF 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.

The CNSF's major supporters are listed below, none of whom have had any input into the CNSF's CPD programs, nor the Congress sessions they support. Our supporters are not involved in the selection of any of the Congress courses, program content or speakers.

THANK YOU.

## The CNSF values the support it has received in 2015 from...

### PLATINUM



**BIODEN IDEC** which includes support of the Lunch 'n Learn on Multiple Sclerosis, the Co-developed session on Multiple Sclerosis, the Delegate Gift, the purchase of 2 Exhibit booths and advertising in Neuro|News.

### GOLD



**BIOCODEX** which includes support of the Lunch 'n Learn on Dravet's Syndrome, the purchase of 2 booths, support of the Congress Course Notes website and advertising in Neuro|News.



**NOVARTIS** which includes support of the Grand Plenary, the purchase of 2 Exhibit booths and advertising in Neuro|News.

### SILVER



**ALLERGAN** which includes support of the Headache SIG, the Headache Course, the Lunch 'n Learn on chronic migraine and the purchase of an Exhibit booth.



**EISAI** which includes support of the Epilepsy Video Sig and the Course Epilepsy Through the Years: from Childhood to Adult, Neuro |News Advertising and the purchase of an Exhibit Booth.



**GRIFOLS** which includes the sponsorship of the Neuromuscular SIG and Neuromuscular Course and the purchase of an Exhibit booth and for provided funding for an EMG fellowship to the CSCN.



**SCOTIABANK** which includes support of the Lunch 'n Learn on financial planning and the Residents' Social.

**UCB CANADA INC.** which includes support of the Fairmont branded key cards, the Exhibitors Reception and the purchase of an Exhibit booth.

### BRONZE



**EMD SERONO** which includes support of the Multiple Sclerosis Course.



**GENZYME** which includes support of the Lanyards and the purchase of 2 Exhibit booths.



**SUNOVION** which includes support of the Sudden Death Related to Epilepsy Course and the purchase of an Exhibit booth.



**TEVA CANADA INNOVATION** which includes the purchase of 2 Exhibit booths and advertising in Neuro|News.



# Proud to support the Canadian Neurological Sciences Federation

Biogen is proud to be the **Platinum Sponsor**  
of the **CNSF 50th Annual Congress.**

At Biogen, we appreciate the CNSF members  
and volunteers for their commitment to meeting  
the educational needs of neurologists.

