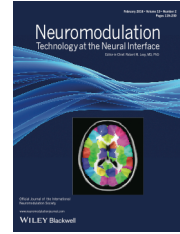


## **Neuromodulation Editorial Board Conflict of Interest Disclosures**



### **Compensation Levels**

- (1) \$500 - \$5,000
- (2) \$5,001- \$20,000
- (3) > \$20,000

### **Kenneth Aló, MD: Nothing to Disclose**

### **Jeff Arle, MD, PhD, FAANS**

- Consultant/Advisory Board Income: Abbott (3), Globus Medical (2)
- Education/Research Income: Boston Scientific (3), LivaNova/Cyberonics (3)

### **Tipu Aziz, MD, MBBS**

- Speaker Programs: Boston Scientific, Medtronic, Abbott
- Consultant/Advisory Board Income: Medtronic
- Education/Research Income: Boston Scientific, Medtronic, Abbott

### **Giancarlo Barolat, MD**

- Speaker Programs: Boston Scientific, Nuvectra
- Speaker Program Income: Boston Scientific (3)
- Consultant/Advisory Board Income: Boston Scientific (3)

### **Helen Bronte-Stewart, MD MSE: Nothing to Disclose**

### **Eric Buchser, MD, DEAA**

- Consultant/Advisory Board Income: Medtronic (1)
- Education/Research Income: Medtronic (3)

### **Allen Burton, MD**

- Speaker Program Income: Abbott (2)
- Consultant/Advisory Board Income: Abbott (2), Jazz Pharmaceuticals (1), Spinal Modulation (1)
- Education/Research Income: Nevro (3), Abbott (3), Spinal Modulation (3), Jazz Pharmaceuticals (2)
- Stockholder Stock Value >5%: Vapogenix (company ownership- Company Founder)
- Stock Options Value: Abbott (3)
- Company Employee: Abbott
- Employee Income: Abbott (3)
- Intellectual Property / Licensing: MD Anderson/ Vapogenix- multiple licenses

### **Jin Woo Chang, MD, PhD: Nothing to Disclose**

### **Jiande Chen, PhD: Nothing to Disclose**

**Meaghan C. Creed, PhD: Nothing to Disclose**

**Dirk De Ridder, MD**

- Speaker Program Income: Abbott (1)
- Consultant/Advisory Board Income: Abbott (2)
- Education/Research Income: Abbott (2)
- Intellectual Property / Licensing: Burst stimulation IP is licensed to Abbott

**Catherine DeAngelis, MD, MPH: Nothing to Disclose**

**Timothy Deer, MD**

- Speaker/ Consultant/ Advisory Board: Abbott (3), Axonics (1), Bioness (1), Flowonix (1), Jazz Pharmaceuticals (1), SpineThera (1), Saluda Medical (1)
- Education/Research Income: Abbott (1), Mainstay, Saluda
- Stock Options Value: Axonics (2), Bioness (2), Vertos (2), Saluda, Spinethera (none)

**Mike JL DeJongste MD, PhD, FESC: Nothing to Disclose**

**Dominique Durand PhD**

- Consultant/Advisory Board Income: Boston Scientific (1),
- Stock Options Value: Boston Scientific (1)

**Sohier Elneil, MBChB, PhD (Cantab.) FRCOG**

- Speaker Programs: Medtronic, Axonics
- Consultant / Advisory Board: Medtronic, Axonics, Bluewind
- Education / Research: Medtronic, Axonics, Bluewind

**Claudio Feler, MD, FACS, FAANS, FNANS**

- Other Speaker Program: SpineWave
- Speaker Program Income: Abbott (2)
- Consultant / Advisory Board: SpineWave
- Consultant/Advisory Board Income: Abbott (2)
- Education/Research Income: Abbott (2)
- Intellectual Property / Licensing: Abbott

**Joseph Fins, MD, MACP: Nothing to Disclose**

**Robert Foreman, PhD: Nothing to Disclose**

**Sean L. Francis, MD: Nothing to Disclose**

**Felipe Fregni, MD, PhD: Nothing to Disclose**

**Chris Gilligan, MD, MBA**

- Consultant / Advisory Board: Nuvectra, Whale Imaging, Medtronic, Axial Healthcare
- Sponsored Research: Mainstay Medical

**Peter Goadsby, MD, PhD, DSc**

- Personal fees: Allergan, eNeura Inc., Autonomic Technologies Inc., Amgen Inc., Alder Biopharmaceuticals, Pfizer Inc., Dr Reddy's Laboratories, Zosano Pharma Corporation, Colucid Pharmaceuticals, Ltd., Eli-Lilly and Company, Avanir Pharmaceuticals, WL Gore & Associates, Heptares Therapeutics, Nupathe Inc., Teva, Cipla Ltd., Ajinomoto Pharmaceuticals Co., Akita Biomedical, Wells Fargo, Ethicon, US, EMKinetics, Promius Pharma, Supernus, Trigemina Inc., MedicoLegal, Journal Watch – Editorial Work, Up-to-Date – Editorial Work
- Education / Research: Allergan, eNeura Inc, Amgen Inc.
- Stock Options: Trigemina Inc. Stock options- No product
- Intellectual Property / Licensing: Dr. Goadsby has a patent Magnetic stimulation for headache pending.

**Benjamin Greenberg, MD, PhD: Nothing to Disclose**

**Warren Grill, PhD**

- Consultant / Advisory Board: GlaxoSmithKline, Cala Health, NDI Medical, SetPoint Medical, Axonic Neuromodulation
- Education / Research: GlaxoSmithKline
- Stockholder: NDI Healthcare Fund, CheckPoint Surgical, SPR Therapeutics, Deep Brain Innovations
- Stock Options: Cala Health

**Robert Gross, MD, PhD**

- Consultant/Advisory Board Income: Medtronic (3), Abbott (1), Sanbio, MRI Interventions (2), Neuralstem (2), Neuropace (1)
- Education/Research Income: Boston Scientific (2-to institution), Medtronic (1- to self and institution), Neuropace (3), MRI Interventions (2)

**Yun Guan PhD, MD**

- Education/Research Income: Medtronic (3)

**Magdy Hassouna, MD, PhD**

- Consultant / Advisory Board: Medtronic
- Education / Research: Medtronic

**Salim Hayek, MD, PhD**

- Consultant/Advisory Board Income: Boston Scientific (3), Flowonix (1), Nuvectra (2)
- Education / Research: Boston Scientific, Medtronic, Abbott

**Jaimie Henderson, MD**

- Consultant/Advisory Board Income: Circuit Therapeutics (3)
- Stockholder Stock Value: Nevro (3)

**Jan Holsheimer, PhD: Nothing to Disclose**

**Leonardo Kapural, MD, PhD**

- Speaker Program Income: Medtronic (1), Nevro (2), Abbott (2), Jazz Pharmaceuticals (1)
- Consultant/Advisory Board Income: Nevro (2), Abbott (2), Flowonix (1), Neuros (1), SPR Therapeutics (1), Saluda (2)
- Education / Research: Boston Scientific, Medtronic, Nevro, Abbott, Bioness, Spinal Modulation, StimWave, Neuros, SPR Therapeutics
- Education/Research Income: All above are research grants awarded to Center for Clinical Research, WS, North Carolina, not owned by me, but all grants were (3.)
- Stockholder Stock Value: Nevro (3), Abbott (3)
- Stock Options Value: Nevro (2), Stimwave (2)

**Yoichi Katayama, MD, PhD: Nothing to Disclose**

**Zelma Kiss, MD, PhD: Nothing to Disclose**

**Charles Knowles, BChir, MA, PhD**

- Speaker Program Income: Medtronic (1)
- Consultant/Advisory Board Income: Medtronic (2)
- Education/Research Income: Medtronic (3) (project not started as of 3/15/16- Intent to Fund Stage)

**Kendall Lee, MD, PhD: Nothing to Disclose**

**Robert Levy, MD, PhD**

- Consultant/Advisory Board Income: Abbott (3), Nuvectra (2), Saluda (2), Mainstay(1) and Nalu (2)
- Stock Options: Bioness, Vertos and Nevro

**Bengt Linderth, MD, PhD**

- Speaker Program Income: Boston Scientific (1), Medtronic (2), Abbott (1)
- Consultant/Advisory Board Income: Boston Scientific (1), Elekta AB (1)
- Education/Research Income: Abbott (1- at present, no research support from Industry)

**John Loeser, MD: Nothing to Disclose**

**Guoming Luan, MD, PhD: Nothing to Disclose**

**Andre Machado, MD, PhD**

- Consultant/Advisory Board Income: Abbott (3), Spinal Modulation:DSMB (3)
- Education/Research Income: Medtronic (3- fellowship support)
- Stockholder Stock Value: Autonomic Technologies (3), Cardionomics (3), Enspire (3)
- Stockholder Stock Value >5%: My wife and I are inventors and our IP is part of the intellectual property base for these companies.
- Intellectual Property / Licensing: Autonomic Technologies, Cardionomics, Enspire

**Sean Mackey MD, PhD: Nothing to Disclose**

**Helen Mayberg, MD**

- Consultant/Advisory Board Income: Abbott (none for 2015),
- Education / Research: Medtronic, Abbott (Device donations only. No formal grants.)
- Intellectual Property / Licensing: DBS patent, IP licensed to Abbott

**Cameron McIntyre, PhD**

- Consultant/Advisory Board Income: Boston Scientific (3)
- Stockholder Stock Value: Autonomic Technologies (3), Cardionomic (3); Enspire (3); Surgical Information Sciences (3); Neuros (3)

**Nagy Mekhail, MD, PhD**

- Consultant/Advisory Board Income: Medtronic, Abbott, Axonics, Flowonix, Stimwave

**Bjorn A Meyerson, MD, PhD: Nothing to Disclose**

**Alon Mogilner, MD, PhD**

- Consultant/Advisory Board Income: Medtronic (2), Abbott (2), Alpha Omega (2)
- Education/Research Income: Boston Scientific (3), Medtronic (3)

**Martha Morrell, MD**

- Stockholder: Neuropace (less than 1%)
- Stock Options: Neuropace (less than 1%)
- Company Employee: Neuropace
- Employee Income: (3)
- Intellectual Property / Licensing:

### **Richard North, MD**

- Consultant/Advisory Board Income: Algostim (1)
- Stockholder Stock Value >5%: Stimwave (3-owned by spouse)
- Intellectual Property / Licensing: 2012; 2015 multiple patents assigned to Algostim LLC
- Support to nonprofit Neuromodulation Foundation, Inc. (unpaid officer), 2007-present. Research support to Johns Hopkins University and Sinai Hospital (former employers, 1974-2013) Algostim, LLC/Greatbatch, Inc.; Boston Scientific Corp.; Medtronic, Inc.; Nevro Corp; Abbott.

### **Turo Nurmikko, MD, PhD**

- Consultant/Advisory Board Income: Astellas (2)
- Education/Research Income: Pfizer (1)

### **Bart Nuttin, MD, PhD**

- Speaker Program Income: Medtronic (1)
- Education/Research Income: Medtronic (3)
- Bart Nuttin owns a patent on DBS for OCD, but did not receive any money for this until now

### **Joseph Pancrazio, PhD: Nothing to Disclose**

### **P. Hunter Peckham, PhD: Nothing to Disclose**

### **Erika Petersen, MD**

- Consultant/Advisory Board Income: Boston Scientific (1), Medtronic (2), Abbott (2)

### **Julie Pilitsis, MD, PhD**

- Speaker Programs: Boston Scientific, Medtronic, Abbott
- Consultant / Advisory Board: Boston Scientific, Medtronic, Abbott
- Education / Research: Receives level 3 grant support from Boston Scientific, Medtronic, Jazz Pharmaceuticals, and Abbott
- Stockholder Stock Value: 0% stock in Centauri Medical

### **Dejan Popovic, PhD: Nothing to Disclose**

### **Lawrence Poree, MD PhD**

- Speaker Program Income: Abbott (1)
- Consultant/Advisory Board Income: Medtronic (1), Spinal Modulation (1), Stimwave (1)
- Education/Research Income: Spinal Modulation (1)
- Stock Options: Spinal Modulation (1)

### **Joshua Prager, MD, MS**

- Speaker Program Income: Medtronic (2)

**James Rathmell, MD**

- Education/Research Income: Mainstay Medical (1)- 1. Research/Data Safety Monitoring

**Richard Rauck, MD**

- Speaker Programs: Boston Scientific, Jazz Pharmaceuticals
- Consultant / Advisory Board: Boston Scientific, Jazz Pharmaceuticals, Pfizer
- Consultant/Advisory Board Income: Boston Scientific (3), Jazz Pharmaceuticals (2)
- Education/Research Income: Boston Scientific (3), Medtronic (3), Nevro (3), Bioness (3), Jazz Pharmaceuticals (3), MundiPharma (3), Pfizer (3)

**Ali Rezai, MD**

- Consultant/Advisory Board Income: Autonomic Technologies (1)
- Stockholder Stock Value: Autonomic Technologies (1)
- Stock Options Value: Autonomic Technologies (1)

**Erich Richter, MD: Nothing to Disclose**

**Edgar Ross, MD**

- Education/Research Income: Pfizer (3)

**Oren Sagher, MD: Nothing to Disclose**

**Damianos Sakas, MD: Nothing to Disclose**

**Michael Saulino, MD, PhD**

- Speaker Program Income: Medtronic (2), Jazz Pharmaceuticals (2)
- Consultant/Advisory Board Income: Medtronic (2), Jazz Pharmaceuticals (2), SPR Therapeutics (2)
- Education/Research Income: Medtronic (2), Jazz Pharmaceuticals (2), Mallinckrodt (2)

**Ashwini Sharan, MD, FACS**

- Stockholder Stock Value: Cerebral Therapeutics (~20% Valuation), Tiger Labs (3%)

**Yoichi Shimada, MD, PhD: Nothing to Disclose**

### **Konstantin Slavin, MD**

- Consultant/Advisory Board Income: Boston Scientific (1), Medtronic (3), Nevro (1), Abbott (3), Nuvectra (2), Stimwave (2), Neuramodix (1), Biotronik (2)
- Education/Research Income: Boston Scientific, Medtronic, Abbott, Autonomic Technologies, Neuros (no company provided grants - research participation only)
- Stockholder Stock Value: Stimwave (2), Vycor (2), Higgs Boson (2)

### **Peter Staats, MD, MBA, FIPP, ABIPP**

- Consultant/Advisory Board Income: Boston Scientific (1), Medtronic (1), Jazz Pharmaceuticals (1), Abbott (3), Nevro (1)
- Education / Research: Boston Scientific, Medtronic, Nevro, Abbott, Bioness, Spinal Modulation, Vertos
- Stockholder Stock Value: Electrocore (3)

### **Michael Stanton-Hicks, MBBS, DMED**

- Consultant/Advisory Board Income: Stimwave (zero), Neuros (zero)
- Stock Options Value: Stimwave (48%), Neuros (1)

### **Lisa Stearns, MD**

- Speaker Programs: Spinal Modulation
- Consultant / Advisory Board: Medtronic (1), Pfizer (1), Spinal Modulation (1), Integrated Care Pharmacy (CEASE) (1), Medallion Therapeutics, Inc. (1); Mallinckrodt Therapeutics, Inc. (1); Saluda Medical (1), GW Pharma (1), Proove Bioscience (1)
- Education / Research: Medtronic, Medallion Therapeutics, Inc.; Mallinckrodt Therapeutics, Inc.; Saluda Medical, GW Pharma, Proove Bioscience

### **Takaomi Taira, MD**

- Speaker Program Income: Medtronic (1), Abbott (1)
- Consultant / Advisory Board:
- Other Consultant / Advisory Board: Abbott, Daiichi-Sankyo
- Consultant/Advisory Board Income: Daiichi-Sankyo (1)
- Education/Research Income: Abbott (2)

### **Rod Taylor, MSc, PhD**

- Consultant/Advisory Board Income: Medtronic (3)

### **Simon Thomson, MBBS**

- Speaker Program Income: Boston Scientific (2), Pfizer (2), Astellas (1)
- Consultant/Advisory Board Income: Boston Scientific (1), Axonics (1)
- Education/Research Income: Boston Scientific (3-to institution)

### **Maarten van Kleef, MD, PhD: Nothing to Disclose**



**Ricardo Vallejo, MD, PhD: Nothing to Disclose**

**Oswaldo Vilela Jr., MD, PhD**

- Education/Research Income: Medtronic, Abbott, Boston Scientific, Elekta, Micromar (Occasional travel grants (neurosurgical meetings) from Medtronic, St Jude, Boston Scientific, Elekta, and Micromar, certainly less than US\$5000.00 in each case)

**Veerle Visser-Vandewalle, MD, PhD**

- Speaker Program Income: Medtronic (1), Abbott (1), Boston Scientific (1)
- Consultant/Advisory Board Income: Boston Scientific (1), Medtronic (1)
- Education/Research Income: Medtronic (1), Abbott (1), Boston Scientific (1)

**Eric Wassermann, MD**

- Stockholder Stock Value: Pfizer (2)