



7th Annual

# Breakthroughs in Neurologic Therapies:

Restoring Function to the Nervous System

## COURSE HIGHLIGHTS

- Brain Signaling
- Stroke
- PNS/CNS Tumors
- Neuromuscular/  
Peripheral Nerve/  
Spine Disorders
- Movement Disorders
- Epilepsy

October 28-29, 2016  
Palace Hotel, San Francisco, CA

A Continuing Medical Education Conference Presented  
by The Stanford Department of Neurology and Neurosurgery

Sponsored by the  
Stanford University  
School of Medicine



**Stanford**  
MEDICINE

# Course Overview

## STATEMENT OF NEED

This CME activity seeks to fulfill the educational needs of health care professionals who manage patients with neurologic conditions. The goal of the symposium is to address identified clinical challenges, to update practitioners on latest advances and best practices in the rapidly evolving field of neuroscience, and to assist practitioners in developing strategies to apply this knowledge to the diagnosis, treatment and/or referral of patients with neurologic diseases and disorders. Lectures with question and answer sessions, panels, and case discussions will afford learners the opportunity to discuss practice dilemmas with the expert faculty.

## TARGET AUDIENCE

This is a regional program, designed for:

- Physicians
- Nurses
- Allied Health Professionals

specializing in family practice, primary care, internal medicine, neurology, interventional radiology, neurosurgery, PMNR (rehab physicians), neuro-oncology, and emergency medicine

## LEARNING OBJECTIVES

At the conclusion of this activity, learners will be able to:

Evaluate and utilize current screening, diagnosis and/or management strategies for patients presenting with the following diseases and disorders in order to improve quality of care:

- Dementia
- Neuromuscular disorders
- Adult spinal deformity
- Stroke
- Movement disorders
- Epilepsy
- Head trauma
- Central Nervous System (CNS) and Peripheral Nervous System (PNS) tumors

Appropriately determine when patients should be referred for additional diagnostic and/or treatment of neurological disorders

## ACCREDITATION

The Stanford University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

## CREDIT DESIGNATION

The Stanford University School of Medicine designates this live activity for a maximum of *11.75 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California Board of Registered Nursing recognizes that Continuing Medical Education (CME) is acceptable for meeting RN continuing education requirements; as long as the course is certified for *AMA PRA Category 1 Credit™* (rn.ca.gov). Nurses will receive a Certificate of Participation following this activity that may be used for license renewal.



## Friday, October 28, 2016

7:30-8:00 am	<b>Registration &amp; Continental Breakfast</b>
8:00-8:15	<b>Welcome, Announcements, Stanford Neuroscience Center Intro</b> Jeffrey Dunn, MD, Frank M. Longo, MD, PhD
	<b>BRAIN SIGNALLING</b>
8:15-8:35	<b>Neurodegenerative Disease</b> Frank M. Longo, MD, PhD
8:35-8:55	<b>Non-Neurodegenerative “Dementia” (Shuntology)</b> Michael S. B. Edwards, MD
8:55-9:15	<b>Concussion</b> Jamshid Ghajar, MD, PhD, FACS
9:15-9:35	<b>Autonomic Disorders</b> Safwan Jaradeh, MD
9:35-9:55	<b>Multiple Sclerosis</b> Jeffrey Dunn, MD, FAAN
9:55-10:10	<b>Challenge in Case Management</b> Longo, Edwards, Ghajar, Jaradeh
10:10-10:25	<b>Q&amp;A Discussion</b> Moderator: Jeffrey Dunn, MD
10:25-10:45	<b>Break</b>
	<b>STROKE</b>
10:45-11:05	<b>Treatment and Prevention of Ischemic Stroke</b> Gregory Albers, MD
11:05-11:25	<b>Neurointerventional Management</b> Jeremy J. Heit, MD, PhD
11:25-11:45	<b>Surgical Management (Moya-Moya, Aneurysm)</b> Gary K. Steinberg, MD, PhD
11:45-12:00 pm	<b>Challenge in Case Management</b>
12:00-12:15	<b>Q&amp;A Discussion</b> Moderator: Gregory Albers, MD
12:15-1:15	<b>Lunch</b>
	<b>PNS/CNS TUMORS</b>
1:15-1:35	<b>PNS and Spinal Tumors Evaluation and Management</b> Atman Desai, MD
1:35-1:55	<b>The Case for Optimism: Advances in CNS-Directed Cancer Therapy</b> Seema Nagpal, MD
1:55-2:10	<b>Challenge in Case Management</b>
2:10-2:25	<b>Q&amp;A Discussion</b> Moderator: Atman Desai, MD
2:25-2:45	<b>Break</b>
	<b>NEUROMUSCULAR/PERIPHERAL NERVE/ SPINE DISORDERS</b>
2:45-3:05	<b>Muscle Disorders</b> John Day, MD, PhD
3:05-3:25	<b>Peripheral Nerve Disorders</b> Michael Kliot, MD
3:25- 3:45	<b>Spine Disorders</b> Anand Veeravagu, MD

3:45-4:05	<b>Orofacial Pain</b> Meredith Barad, MD
4:05-4:25	<b>Interventional Pain</b> Xiang Qian, MD
4:25-4:40	<b>Challenge in Case Management</b>
4:40-4:55	<b>Q&amp;A Discussion</b> Moderator: John Day, MD
4:55	<b>Adjourn</b>

## Saturday, October 29, 2016

7:30-8:00 am	<b>Registration &amp; Continental Breakfast</b>
8:00-8:05	<b>Announcements</b> Casey Halpern, MD
8:05-8:45	<b>Applications of Transcranial MR Guided Focused Ultrasound</b> Pejman Ghanouni, MD, PhD
	<b>MOVEMENT DISORDERS</b>
8:45-9:05	<b>Evaluation and Medical Management (PD, PD+)</b> Melanie Lising, MD
9:05-9:25	<b>Therapies and Breakthroughs in Dystonia</b> Laurice Yang, MD, MHA
9:25-9:45	<b>Movement Disorder Surgery</b> Jaimie M. Henderson, MD
9:45-10:05	<b>Breakthroughs in Neuromodulation Therapy for Parkinson’s Disease</b> Helen Bronte-Stewart, MD, MS
10:05-10:25	<b>What has Movement Disorders Taught Us About Interventional Psychiatry</b> Mahendra Bhati, MD
10:25-10:40	<b>Challenge in Case Management</b>
10:40-10:55	<b>Q&amp;A Discussion</b> Moderator: Jaimie M. Henderson, MD
10:55-11:15	<b>Break</b>
	<b>EPILEPSY</b>
11:15-11:35	<b>What’s New with EEG</b> Robert Fisher, MD, PhD
11:35-12:05 pm	<b>Surgical Evaluation</b> Babak Razavi, MD, PhD
12:05-12:25	<b>Open Epilepsy Surgery Evaluation/Resection/ Disconnection</b> Gerald A. Grant, MD, FACS
12:25-12:45	<b>New Epilepsy Surgical Options</b> Casey Halpern, MD
12:45-1:00	<b>Challenge in Case Management</b>
1:00-1:15	<b>Q&amp;A Discussion</b> Fisher, Ravazi
1:15-1:20	<b>Closing remarks</b> Gary K. Steinberg, MD, PhD
1:20	<b>Adjourn</b>

*Opportunities for Q&A will be provided at the conclusion of each presentation.*

# Faculty

All faculty are affiliated with the Stanford University School of Medicine unless otherwise noted.

## COURSE CO-DIRECTORS:

### **Jeffrey Dunn, MD, FAAN**

Clinical Professor of Neurology and Neurological Sciences  
Division Chief, Clinical Neuroimmunology

### **Casey H. Halpern, MD**

Assistant Professor of Neurosurgery and, by courtesy, of Neurology and Psychiatry and Behavioral Sciences

## STANFORD FACULTY:

### **Gregory Albers, MD**

The Coyote Foundation Professor of Neurology  
Director, Stanford Stroke Center

### **Meredith Barad, MD**

Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine  
Director Orofacial Pain Program

### **Mahendra T. Bhati, MD**

Clinical Associate Professor, Psychiatry and Behavioral Sciences and Chief of Interventional Neuropsychiatry

### **Helen M. Bronte-Stewart, MD, MSE**

John E. Cahill Family Professor, Department of Neurology and Neurological Sciences  
Director Stanford Movement Disorders Center (SMDC)

### **John W. Day, MD, PhD**

Professor of Neurology, of Pediatrics (Genetics) and, by courtesy, of Pathology

### **Atman Desai, MD**

Clinical Assistant Professor, Neurosurgery and Director of Neurosurgical Spinal Oncology

### **Michael S. B. Edwards, MD**

Lucile Packard Children's Hospital Professor in Pediatric Neurosurgery and, Professor, by courtesy, of Pediatrics  
Division Chief, Pediatric Neurosurgery

### **Robert S. Fisher, MD, PhD**

The Maslah Saul Professor in the Department of Neurology and Professor, by courtesy, of Neurosurgery

### **Jamshid Ghajar, MD, PhD, FACS**

Director of the Stanford Concussion and Brain Performance Center

### **Pejman Ghanouni, MD, PhD**

Assistant Professor of Radiology

### **Gerald A. Grant, MD, FACS**

Associate Professor of Neurosurgery and, by courtesy, of Neurology  
Division Chief, Pediatric Neurosurgery

### **Jeremy J. Heit, MD, PhD**

Clinical Assistant Professor of Radiology and, by courtesy, of Neurosurgery

### **Jaimie M. Henderson, MD**

John and Jene Blume - Robert and Ruth Halperin Professor and Professor, by courtesy, of Neurology

### **Safwan Jaradeh, MD**

Professor of Neurology and, by courtesy, of Psychiatry and Behavioral Sciences

### **Melanie Lising, MD**

Clinical Assistant Professor of Neurology and Neurological Sciences

### **Frank Longo, MD, PhD**

George E. and Lucy Becker Professor and Chair, Department of Neurology and Neurological Sciences

### **Seema Nagpal, MD**

Clinical Assistant Professor, Neurology and Neurological Sciences

### **Xiang Qian, MD**

Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine

### **Babak Razavi, MD, PhD**

Clinical Assistant Professor, Neurology and Neurological Sciences

### **Gary K. Steinberg, MD, PhD**

Bernard and Ronni Lacroute-William Randolph Hearst Professor in Neurosurgery and Neurosciences and Professor, by courtesy, of Neurology  
Chair of Neurosurgery

### **Anand Veeravagu, MD**

Assistant Professor of Neurosurgery

### **Laurice Yang, MD, MHA**

Clinical Assistant Professor, Neurology and Neurological Sciences

## GUEST FACULTY:

### **Michel Kliot, MD**

Professor in Neurological Surgery, Northwestern

## Faculty Disclosure

The Stanford University School of Medicine adheres to ACCME Criteria, Standards and Policies regarding industry support of continuing medical education. Disclosure of faculty and their commercial relationships will be made prior to the activity.

## Commercial Support Acknowledgement

This CME activity received no commercial support.

# Registration

## 7th Annual Breakthroughs in Neurologic Therapies: Restoring Function to the Nervous System

### Palace Hotel, San Francisco

<b>REGISTRATION FEES:</b>	<b>Early Bird Rate</b>	<b>After 9/30/16</b>
Physician	\$500	\$650
Nurses/Allied Health Professional	\$300	\$350

Registration fee includes course materials, certificate of participation, breakfasts on Friday/Saturday and lunch on Friday. Register online with a Visa or Master Card by visiting: [cme.stanford.edu/neuro](http://cme.stanford.edu/neuro). If you prefer to pay by check or need assistance, please call: **(650) 497-8554** or email [stanfordcme@stanford.edu](mailto:stanfordcme@stanford.edu). Your email address is used for critical information, including registration confirmation, evaluation, and certificate. Be sure to include an email address that you check frequently.

### CANCELLATION POLICY

Cancellations received in writing no less than 30 days before the course will be refunded, less a 20% administrative fee. No refunds will be made on cancellations received after that date. Please send cancellation requests to [stanfordcme@stanford.edu](mailto:stanfordcme@stanford.edu).

Stanford University School of Medicine reserves the right to cancel this program; in the event of cancellation, course fees will be fully refunded.

### CONFERENCE LOCATION

#### Palace Hotel, San Francisco

2 New Montgomery Street, San Francisco, CA 94105  
General Number: (415) 512-1111  
Reservations: (800) 325-3589  
[www.sfpalace.com](http://www.sfpalace.com)

### ACCOMMODATIONS

A block of rooms has been reserved at a reduced rate at the Palace Hotel for conference participants on a first-come, first-served basis and may sell out before **September 28, 2016**. After this date, reservations will be accepted on a space available basis and at regular resort rates.

ROOM TYPE	Single/Double Rate	Triple Rate	Quad Rate
Superior	\$285/night	\$325/night	\$365/night

\*Plus Taxes, California Tourism Fee, and Resort Fees per night.

Room reservations should be made directly with the **Palace Hotel** and as early as possible. Please mention "Stanford Medicine, Continuing Medical Education" to receive the group rate. Please call the hotel directly at call **1 (800) 325-3589**.

### DIRECTIONS

For driving directions and maps to the Palace Hotel, please visit [www.sfpalace.com/directions](http://www.sfpalace.com/directions)

### CONTACT INFORMATION

For questions about the symposium, please contact **Jennifer L. Schafer**, CME Coordinator  
**(650) 724-2288** or email [schafer@stanford.edu](mailto:schafer@stanford.edu)

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