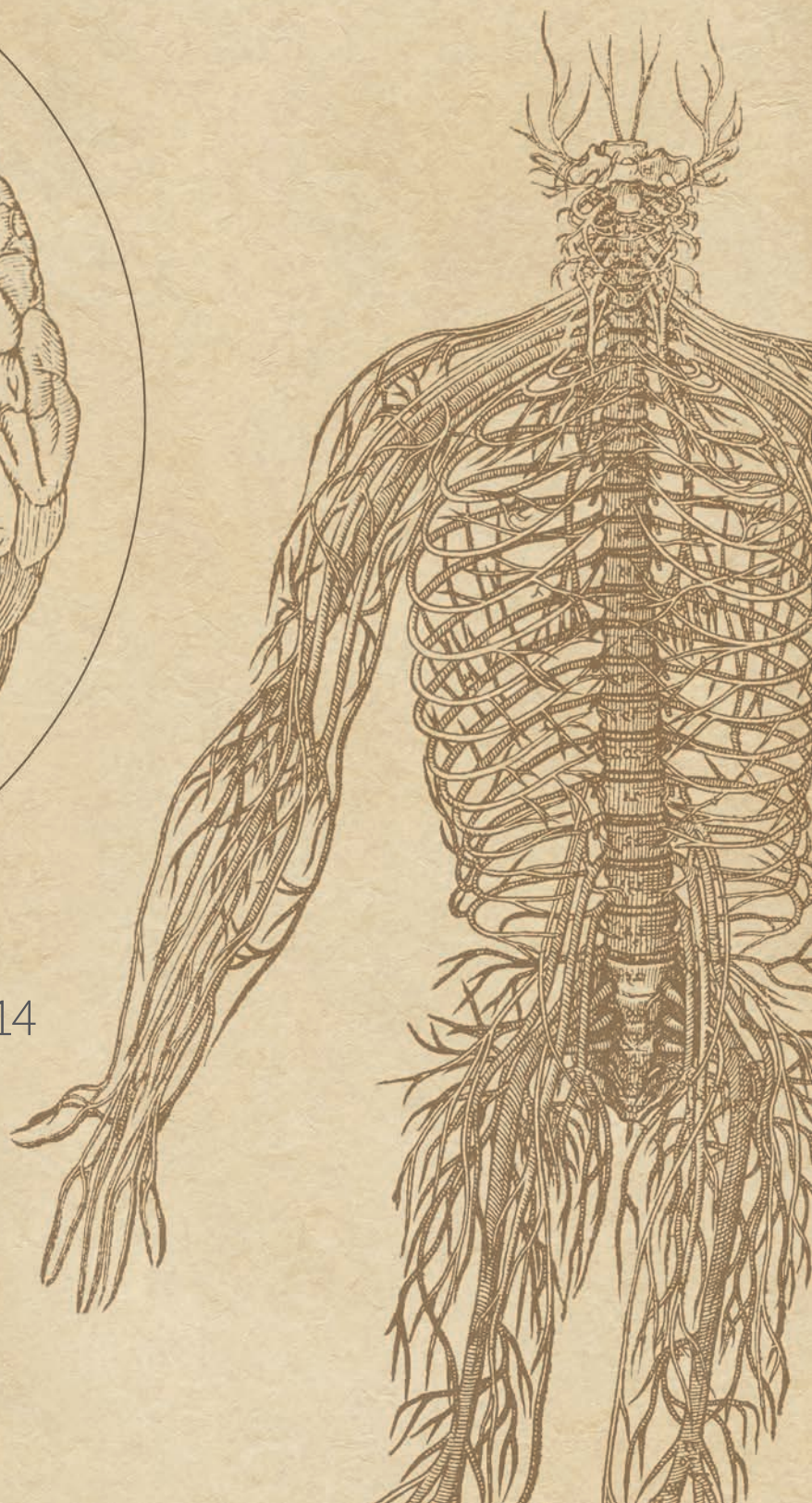
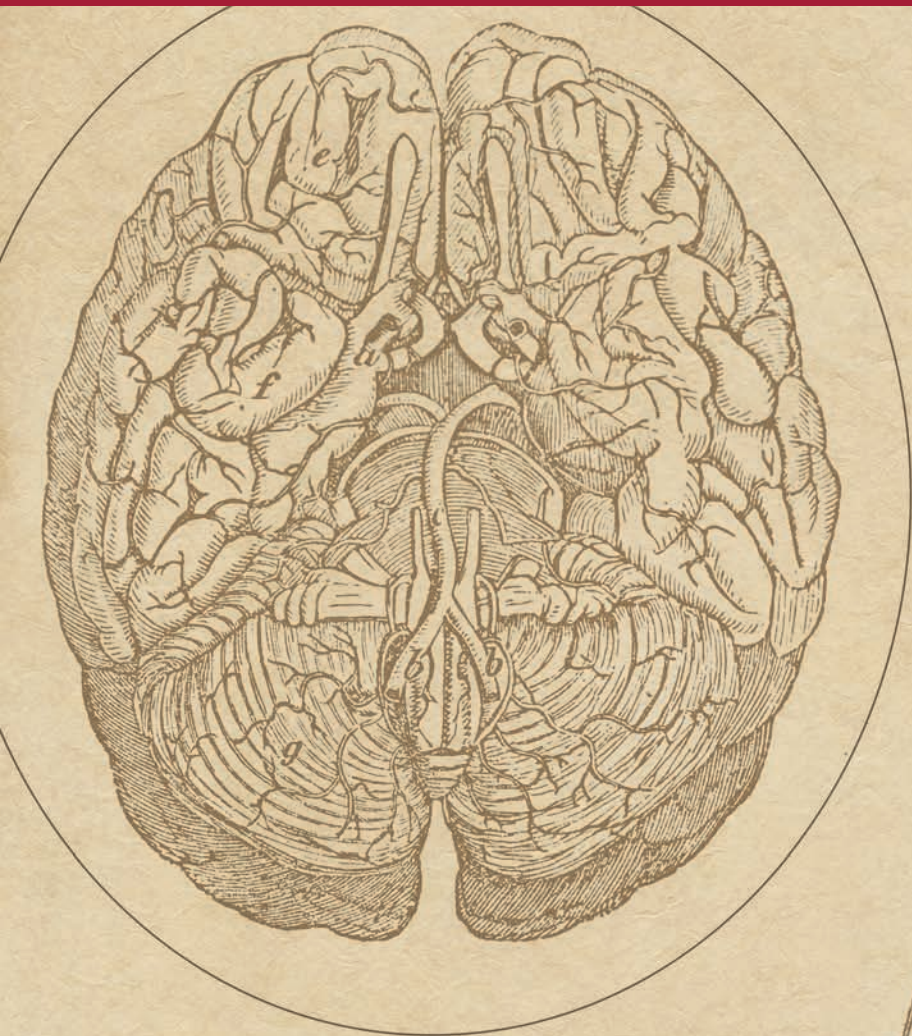


STANFORD HEALTH CARE PRESENTS THE 5TH ANNUAL

# Breakthroughs in Neurologic Therapies:

RESTORING FUNCTION TO THE NERVOUS SYSTEM



October 31 – November 1, 2014  
JW Marriott • Union Square  
San Francisco, CA

*Sponsored by the Stanford University School of Medicine  
A Continuing Medical Education Conference*



**Stanford**  
MEDICINE

# Program

## FRIDAY, OCTOBER 31, 2014

- 8:00-8:10am **Welcome and Announcements**  
Gregory Albers, MD
- 8:10-8:30 **Narcolepsy**  
Emmanuel Mignot, MD
- 8:30-8:50 **Restless Leg Syndrome**  
Juliane Winkelmann, MD
- 8:50-9:10 **Pediatric Sleep Disorders**  
Rafael Pelayo, MD
- 9:10-9:30 **Obstructive Sleep Apnea**  
Christian Guilleminault, MD, DSc
- 9:30-9:50 **Q&A discussion**  
Moderator: Christian Guilleminault, MD, DSc
- 9:50-10:10 Break**
- 10:10-10:30 **Alzheimer's Prevention and Treatment: Which Strategies Have the Best Evidence**  
Frank M. Longo, MD, PhD
- 10:30-10:50 **Alzheimer's Disease Biomarkers: Moving from Research into Clinical Practice**  
Michael D. Greicius, MD, MPH
- 10:50-11:10 **Spasticity Management for the Patient with Neurologic Injury**  
Kara Flavin, MD
- 11:10-11:30 **Multidisciplinary Approach for Managing Headache and Chronic Pain**  
Meredith Barad, MD
- 11:30-11:50 **Q&A Discussion**  
Moderator: Frank M. Longo, MD, PhD
- 11:50-1:00pm **Lunch provided onsite**
- 1:00-1:40 **Diagnosis, Please: Neuroimaging Challenge**  
Nancy Fischbein, MD
- 1:40-2:00 **An Approach to Transverse Myelitis**  
Jeffrey Dunn, MD, FAAN
- 2:00-2:20 **An Introduction to Neuromyelitis Optica**  
May Han, MD
- 2:20-2:40 **Q&A Discussion**  
Moderator: May Han, MD
- 2:40-3:00 Break**
- 3:00-3:20 **Recent Advances in Stroke Treatment and Prevention**  
Gregory Albers, MD
- 3:20-3:40 **Advances in Cerebrovascular Surgery**  
Gary K. Steinberg, MD, PhD
- 3:40-4:00 **Update on Management of TIA**  
Amy Tai, MD
- 4:00-4:20 **Treating Acute Ischemic Stroke in the Cath Lab**  
Michael P. Marks, MD
- 4:20-4:40 **Q&A Discussion**  
Moderator: Gary K. Steinberg, MD, PhD
- 5:00-6:00 WELCOME RECEPTION**

## SATURDAY, NOVEMBER 1, 2014

- 8:00-8:05am **Announcements**  
Jaimie M. Henderson, MD
- 8:05-8:25 **Spinal Tumors**  
Atman Desai, MBBCh
- 8:25-8:45 **Approach to Pituitary Tumors**  
Laurence Katznelson, MD
- 8:45-9:05 **Targeting Brain Tumor Genomics to Improve Patient Outcomes**  
Melanie Hayden Gephart, MD, MAS
- 9:05-9:20 **Q&A Discussion**  
Moderator: Gordon Li, MD
- 9:20-9:35 Break**
- 9:35-9:55 **Concussions**  
Jamshid Ghajar, MD
- 9:55-10:15 **Severe Traumatic Brain Injury - Roads to Recovery**  
Karen Hirsch, MD
- 10:15-10:35 **Targeted Temperature Management After Cardiac Arrest**  
Chitra Venkat, MBBS, MD, MSc
- 10:35-10:50 **Q&A Discussion**  
Moderator: Jamshid Ghajar, MD
- 10:50-11:10 **Epilepsy & Cognition**  
Kimford J. Meador, MD
- 11:10-11:30 **Who Should be Screened for Epilepsy Surgery?**  
Josef Parvizi, MD, PhD
- 11:30-11:50 **Surgical Management of Medically Refractory Epilepsy**  
Gerald A. Grant, MD, FACS
- 11:50-12:05 **Q&A Discussion**  
Moderator: Kimford J. Meador, MD
- 12:05-1:30pm Lunch on your own in the city**
- 1:30-2:30 **"A Man Walks Into Your Office..." Diagnosis, Please!**  
(Neurology/Neurosurgery)  
Jaimie M. Henderson, MD and Yuen So, MD, PhD
- 2:30-2:50 **Update on Parkinson's Disease Cognitive Impairment and Dementia**  
Kathleen Poston, MD, MS
- 2:50-3:10 **Subthalamic Nucleus Versus Globus Pallidus Deep Brain Stimulation for Parkinson's Disease**  
Casey Halpern, MD
- 3:10-3:30 Break**
- 3:30-3:50 **Respiratory Involvement in Neuromuscular Disease**  
Sarada Sakamuri, MD
- 3:50-4:10 **Evolving Diagnosis and Treatment of Genetic Neuromuscular Disorders**  
John Day, MD, PhD
- 4:10-4:30 **Q&A Discussion**  
Moderator: Jaimie M. Henderson, MD
- 4:30 **ADJOURN**

# Faculty

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

## COURSE DIRECTORS

### Gregory Albers, MD

*Coyote Foundation Professor of Neurology & Neurological Sciences  
Division Chief, Stanford Stroke Center*

### Jaimie M. Henderson, MD

*John and Jene Blume - Robert and Ruth Halperin Professor  
of Neurosurgery and, by courtesy, of Neurology and  
Neurological Sciences  
Director, Stereotactic and Functional Neurosurgery  
Co-Director, Neural Prosthetics Translational Laboratory*

## FACULTY

### Meredith Barad, MD

*Clinical Assistant Professor, Anesthesiology, Perioperative  
and Pain Medicine and Neurology and Neurological Sciences*

### John Day, MD, PhD

*Professor of Neurology and Neurological Sciences  
Division Chief, Neuromuscular Division and Clinics*

### Atman Desai, MBBCh

*Clinical Assistant Professor of Neurosurgery*

### Jeffrey Dunn, MD, FAAN

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

### Nancy Fischbein, MD

*Professor of Radiology and, by courtesy, of Neurology and  
Neurological Sciences, Neurosurgery, Otolaryngology-Head and  
Neck Surgery and Radiation Oncology - Radiation Therapy*

### Kara Flavin, MD

*Clinical Assistant Professor, Physical Medicine and  
Rehabilitation Division, Departments of Orthopaedic Surgery  
and Neurology and Neurological Sciences*

### Jamshid Ghajar, MD

*Clinical Professor of Neurosurgery  
Director, Concussion and Brain Trauma Center*

### Gerald A. Grant, MD, FACS

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

### Michael D. Greicius, MD, MPH

*Assistant Professor of Neurology and Neurological Sciences  
and, by courtesy, of Psychiatry and Behavioral Sciences  
Division Chief, the Stanford Center for Memory Disorders*

### Christian Guilleminault, MD, DSc

*Professor of Psychiatry & Behavioral Sciences*

### Casey Halpern, MD

*Assistant Professor of Neurosurgery*

### May Han, MD

*Assistant Professor of Neurology & Neurological Sciences*

### Melanie Hayden Gephart, MD, MAS

*Assistant Professor of Neurosurgery*

### Karen Hirsch, MD

*Assistant Professor of Neurology and Neurological Sciences  
Division Chief, Neurocritical Care*

### Laurence Katznelson, MD

*Professor of Neurosurgery and of Medicine (Endocrinology,  
Gerontology, Metabolism)  
Medical Director, Pituitary Center  
Director, Endocrinology Fellowship Training Program*

### Gordon Li, MD

*Assistant Professor of Neurosurgery*

### Frank M. Longo, MD, PhD

*George E. and Lucy Becker Professor  
Chairman, Department of Neurology & Neurological Sciences*

### Michael P. Marks, MD

*Professor of Radiology and, by courtesy, of Neurosurgery  
Chief, Neurointerventional Radiology*

### Kimford J. Meador, MD

*Professor of Neurology & Neurological Sciences  
Director, Epilepsy Monitoring Unit*

### Emmanuel Mignot, MD

*Craig Reynolds Professor of Sleep Medicine  
Director, Center For Narcolepsy  
Director, Center For Sleep Sciences and Medicine*

### Josef Parvizi, MD, PhD

*Associate Professor of Neurology & Neurological Sciences*

### Rafael Pelayo, MD

*Clinical Professor of Psychiatry & Behavioral Science*

### Kathleen Poston, MD, MS

*Assistant Professor of Neurology and Neurological Sciences,  
and by courtesy, of Neurosurgery*

### Sarada Sakamuri, MD

*Clinical Assistant Professor of Neurology and Neurological Sciences*

### Yuen So, MD, PhD

*Professor of Neurology & Neurological Sciences  
Division Chief, Neurology Clinics*

### Gary K. Steinberg, MD, PhD

*Bernard and Ronni Lacroute-William Randolph Hearst  
Professor of Neurosurgery and the Neurosciences  
Chairman, Department of Neurosurgery*

### Amy Tai, MD

*Clinical Assistant Professor of Neurology  
and Neurological Sciences*

### Chitra Venkat, MBBS, MD, MSc

*Clinical Associate Professor of Neurology & Neurological  
Sciences*

### Juliane Winkelmann, MD

*Professor of Neurology & Neurological Sciences*

## Learning Objectives

- Incorporate current screening, diagnosis and/or management strategies for patients presenting with the following selected diseases and disorders in order to improve quality of care:
  - Sleep Disorders
  - Narcolepsy
  - Restless Leg Syndrome
  - Neuromuscular Disorders
  - Multiple Sclerosis
  - Movement Disorders
  - Chorea
  - Dystonia
  - Parkinson's Disease
  - Alzheimer's Disease
  - Dementia
  - Stroke
  - Head Injury & TBI
  - Epilepsy
  - Headache
  - Neuralgia
- Evaluate the most current methods and technologies utilized for diagnosing and treating patients with neurologic disorders including:
  - Neurorehabilitation
  - Neuroradiology
  - Neuroimaging
- Appropriately determine when patients should be referred for additional diagnostic and/or treatment of neurological disorders
- Evaluate newest treatments in the management of neurologic cancers
- Develop skills to educate, counsel, treat and/or refer patients with Brain, Pituitary and Spinal tumors utilizing knowledge regarding recent advances in neuro-oncology that includes:
  - Glioma resection from eloquent areas with awake mapping
  - Clinical trials which study novel therapeutics targeting glioblastoma
  - Treatment modifications based on molecular testing
  - Indications for bevacizumab

# Registration

## FACULTY DISCLOSURE

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

## VENUE INFORMATION

### JW Marriott Union Square

500 Post Street • San Francisco, CA, 94102

Corner of Post and Mason

Hotel phone: 415.771.8600

Marriott reservations: 800.228.9290

[www.marriott.com/sfojw](http://www.marriott.com/sfojw)

## Registration

Please register early – hotel and conference space are limited. Registration fee includes welcome reception, continental breakfast with course faculty, lunch on Friday, course materials and certificate of attendance.

Please register and pay online by credit card at [cme.stanford.edu/neuro](http://cme.stanford.edu/neuro). If you prefer to pay by check please contact the Stanford Center for CME at 650.497.8554 (*Note that your registration is not confirmed until payment is received*).

	Early Bird Discount	After October 3, 2014
Physician	<input type="checkbox"/> \$495	<input type="checkbox"/> \$645
Allied Health Professional	<input type="checkbox"/> \$300	<input type="checkbox"/> \$345

## Cancellation Policy

A written notice of cancellation must be received by **October 3, 2014**. A \$75.00 cancellation fee will be assessed at that time; after that date, cancellation refund requests cannot be honored. Program materials cannot be guaranteed unless enrollment is received by **October 3, 2014**. Stanford University School of Medicine reserves the right to cancel this program: in the event of cancellation, course fees will be fully refunded.

## Stanford Center for Continuing Medical Education

1070 Arastradero Road, Suite 230 • Palo Alto, CA 94304

Phone: 650.497.8554 • Email: [stanfordcme@stanford.edu](mailto:stanfordcme@stanford.edu) • Web: [cme.stanford.edu](http://cme.stanford.edu)

## Accommodations

A block of rooms is being held for conference participants. **Rooms at these special rates have been reserved for attendees on a first-come, first-served basis and may sell out before the October 9, 2014 cut-off date.** Please contact the hotel directly at **800.605.6568** to make reservations, or visit [cme.stanford.edu/neuro](http://cme.stanford.edu/neuro) to reserve online. To receive the group rate of \$239 per night, single or double occupancy, indicate that you are attending the Stanford University School of Medicine *5<sup>th</sup> Annual Breakthroughs in Neurologic Therapies*. The JW Marriott reserves the right to close the room block 30 days before the conference.

## Parking and Transportation

Valet parking is available at the JW Marriott San Francisco Union Square. The charge is \$56.00 per day including in and out privileges, and \$66.00 per day for oversized vehicles, plus applicable taxes. For other parking options, visit [www.unionsquarshop.com/parking.html](http://www.unionsquarshop.com/parking.html). Consider utilizing public transportation during your visit to San Francisco. For Bay Area transportation information, please visit [www.511.org](http://www.511.org).

## Other Activities

For information on local activities, please visit [www.onlyinsanfrancisco.com](http://www.onlyinsanfrancisco.com). For questions about this symposium, please contact Cassandra Alcazar, CME Coordinator, Stanford Center for CME at [cmariem@stanford.edu](mailto:cmariem@stanford.edu) or **650.724.5318**. For registration assistance, please phone **650.497.8554** or email [stanfordcme@stanford.edu](mailto:stanfordcme@stanford.edu)



Stanford University School of Medicine is fully ADA compliant. If you have needs that require special accommodations, including dietary concerns, please contact [cmariem@stanford.edu](mailto:cmariem@stanford.edu) or **650.724.5318**, before October 3, 2014.

## ABOUT STANFORD HEALTH CARE

Stanford Health Care is known worldwide for advanced treatment of complex disorders in areas such as cardiovascular disease, cancer treatment, neurosciences, surgery and organ transplant. Consistent ranked among “America’s Best Hospitals” by U.S. News and World Report, Stanford is internationally recognized for translating medical breakthroughs into care of patients. For more information, please visit [stanfordhealthcare.org](http://stanfordhealthcare.org).

For more information about Stanford School of Medicine Departments of Neurology and Neurosurgery, please visit:

- [neurology.stanford.edu](http://neurology.stanford.edu)
- [med.stanford.edu/neurosurgery](http://med.stanford.edu/neurosurgery)

Tell a colleague; to register online go to: [cme.stanford.edu/neuro](http://cme.stanford.edu/neuro)

# Overview



## Statement of Need

This CME activity seeks to fulfill the educational needs of healthcare 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 course is designed for primary care physicians, neurologists, interventional radiologists, neurosurgeons, rehabilitation physicians, neuro-oncologists, emergency medicine physicians, nurses and allied health professionals who manage patients with neurologic diseases and 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

Stanford University School of Medicine designates this live activity for a maximum of 13.0 *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(s)™* (*rn.ca.gov*). Nurses will receive a Certificate of Attendance following this activity that may be used for license renewal.

Tell a colleague; to register online go to: [cme.stanford.edu/neuro](https://cme.stanford.edu/neuro)

**Stanford Hospital & Clinics**

Stanford Center for Continuing Medical Education  
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