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
## Program

### Friday, October 31, 2014

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Authors</th>
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<tr>
<td>8:00-8:10am</td>
<td>Welcome and Announcements</td>
<td>Gregory Albers, MD</td>
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<tr>
<td>8:10-8:30</td>
<td>Narcolepsy</td>
<td>Emmanuel Mignot, MD</td>
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<td>8:30-8:50</td>
<td>Restless Leg Syndrome</td>
<td>Juliane Winkelmann, MD</td>
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<td>8:50-9:10</td>
<td>Pediatric Sleep Disorders</td>
<td>Rafael Pelayo, MD</td>
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<td>9:10-9:30</td>
<td>Obstructive Sleep Apnea</td>
<td>Christian Guilleminault, MD, DSc</td>
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<td>9:30-9:50</td>
<td>Q&amp;A discussion</td>
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<td>9:50-10:10</td>
<td>Break</td>
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<tr>
<td>10:10-10:30</td>
<td>Alzheimer’s Prevention and Treatment: Which Strategies Have the Best Evidence</td>
<td>Frank M. Longo, MD, PhD</td>
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<td>10:30-10:50</td>
<td>Alzheimer’s Disease Biomarkers: Moving from Research into Clinical Practice</td>
<td>Michael D. Greicis, MD, MPH</td>
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<td>10:50-11:10</td>
<td>Spasticity Management for the Patient with Neurologic Injury</td>
<td>Kara Flavin, MD</td>
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<tr>
<td>11:10-11:30</td>
<td>Multidisciplinary Approach for Managing Headache and Chronic Pain</td>
<td>Meredith Barad, MD</td>
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<td>11:30-11:50</td>
<td>Q&amp;A Discussion</td>
<td>Frank M. Longo, MD, PhD</td>
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<td>11:50-12:00</td>
<td>Lunch provided onsite</td>
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<tr>
<td>12:00-1:00</td>
<td>Diagnosis, Please: Neuroimaging Challenge</td>
<td>Nancy Fischbein, MD</td>
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<tr>
<td>1:00-1:40</td>
<td>An Approach to Transverse Myelitis</td>
<td>Jeffrey Dunn, MD, FAAN</td>
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<td>1:40-2:00</td>
<td>An Introduction to Neuromyelitis Optica</td>
<td>May Han, MD</td>
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<td>2:00-2:20</td>
<td>Q&amp;A Discussion</td>
<td>May Han, MD</td>
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<td>2:20-2:40</td>
<td>Break</td>
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<tr>
<td>2:40-3:00</td>
<td>Recent Advances in Stroke Treatment and Prevention</td>
<td>Gregory Albers, MD</td>
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<tr>
<td>3:00-3:20</td>
<td>Advances in Cerebrovascular Surgery</td>
<td>Gary K. Steinberg, MD, PhD</td>
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<td>3:20-3:40</td>
<td>Update on Management of TIA</td>
<td>Amy Tai, MD</td>
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<td>3:40-4:00</td>
<td>Treating Acute Ischemic Stroke in the Cath Lab</td>
<td>Michael P. Marks, MD</td>
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<td>4:00-4:20</td>
<td>Q&amp;A Discussion</td>
<td>Gary K. Steinberg, MD, PhD</td>
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<tr>
<td>5:00-6:00</td>
<td>WELCOME RECEPTION</td>
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### Saturday, November 1, 2014

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

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Division Chief, the Stanford Center for Memory Disorders

Christian Guillemainault, MD, DSc  
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Casey Halpern, MD  
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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)  
Chief, Neurointerventional Radiology

Gordon Li, MD  
Assistant Professor of Neurosurgery

Frank M. Longo, MD, PhD  
George E. and Lucy Becker Professor  
Director, Epilepsy Monitoring Unit

Michael P. Marks, MD  
Professor of Radiology and, by courtesy, of Neurosurgery  
Chairman, Department of Neurology & Neurological Sciences

Kimford J. Meador, MD  
Professor of Neurology & Neurological Sciences  
Director, Center For Sleep Sciences and Medicine

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  
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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 Winkelman, 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

- 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 neurologic 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
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 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 5th 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.unionsquareshop.com/parking.html. Consider utilizing public transportation during your visit to San Francisco. For Bay Area transportation information, please visit www.511.org.

Other Activities
For information on local activities, please visit www.onlyinsanfrancisco.com.
For questions about this symposium, please contact Cassandra Alcazar, CME Coordinator, Stanford Center for CME at cmariem@stanford.edu or 650.724.5318. For registration assistance, please phone 650.497.8554 or email stanfordcme@stanford.edu.

Tell a colleague; to register online go to: cme.stanford.edu/neuro
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
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