

# PACIFIC Neuroscience SYMPOSIUM

September 22-23, 2017

Course Location:

**Loews Santa Monica Beach Hotel**

SANTA MONICA, CA

## Symposium Directors

**Daniel F. Kelly, MD**

**Santosh Kesari, MD, PhD**

**Garni Barkhoudarian, MD**

Pacific Neuroscience Institute

## Keynote Speakers

**Neil A. Martin, MD**

Geisinger Health System

**Brent A. Reynolds, PhD**

University of Florida



## A 2-day Update Across the Neurosciences Including: State-of-the-Art Management and Clinical Trials

- Targeted Therapies and Clinical Trials for Gliomas
- Radiosurgery for Metastatic Brain Tumors
- Keyhole and Endoscopic Brain Tumor Surgery
- Comprehensive Management of Pituitary Tumors
- Endovascular Treatment for Acute Stroke
- Deep Brain Stimulation and other Therapeutic Options in Parkinson's Disease
- Adult Hydrocephalus Evaluation and Treatment
- Managing Facial Pain Syndromes

## On the Horizon

- Novel Nutritional Therapies for Malignant Brain Tumors
- Stem Cell Therapy for Permanent Stroke
- Focused Ultrasound in Movement Disorders and Brain Tumors

Presented by:



**PACIFIC  
NEUROSCIENCE  
INSTITUTE** <sup>SM</sup>

**Saint John's  
Health Center**  
 **PROVIDENCE** Health & Services



**JOHN WAYNE  
CANCER INSTITUTE**  
at Providence Saint John's Health Center

# COURSE Overview

This 2-day symposium will provide a comprehensive update on a wide spectrum of neurological disorders including the management of patients with benign and malignant brain tumors, pituitary tumors, stroke, cerebral aneurysm, adult hydrocephalus, movement disorders and facial pain syndromes.

# COURSE Description

Recent studies indicate the clinical neurosciences are rapidly evolving. It is imperative that clinicians understand the latest diagnostic and treatment approaches to optimize outcomes, and be aware of clinical trials and potential future advances in the field. As such, this symposium will cover current management for brain, skull base and pituitary tumors, cerebrovascular disorders (stroke, aneurysm and AVM), movement disorders (Parkinson's disease and essential tremor), hydrocephalus, and facial pain syndromes. The symposium will also look to the future with talks on the use of stem cell therapy for stroke, nutritional therapies for malignant brain tumors and focused ultrasound for movement disorders and brain tumors. Two outstanding keynote speakers, both world leaders in the neurosciences include: **Dr. Brent Reynolds** discussing neural stem cell therapies for neurological disorders, and **Dr. Neil Martin** discussing the future of integrated clinical neuroscience using genomics and big data.

# TARGET Audience

Neurologists, neurosurgeons, neuro-oncologists, medical oncologists, radiation oncologists, endocrinologists, ophthalmologists, otolaryngologists, primary care physicians, head and neck surgeons, pain specialists, nurses and nurse practitioners.



# COURSE **Objectives**

At the conclusion of this activity, participants should be able to:

- Explain how the new 2016 WHO glioma classification impacts treatment options
- Describe targeted therapies, immunotherapies and evolving nutritional therapies for high-grade gliomas
- Understand what new clinical trials are available for patients with high-grade gliomas
- Discuss the use and benefit of keyhole surgery and radiosurgery for metastatic brain tumors
- Understand outcomes and limits of endoscopic endonasal surgery for pituitary adenomas
- Recognize the medical treatment options for Cushing's disease
- Discuss optimal management of patients with hypopituitarism
- Understand endoscopic management options for uncommon parasellar tumors
- Understand endoscopic surgery, immunotherapy and targeted therapies for sinonasal cancers
- Recognize the new guidelines for stroke treatment
- Discuss current clinical trials for patients with permanent stroke
- Describe the new endovascular treatment options for ruptured and unruptured cerebral aneurysms and the indications for clipping of "uncoilable" aneurysms
- Define the surgical treatment options for cavernous malformations and Moyamoya disease
- Describe the essentials of dementia workup and use of advanced imaging
- Discuss indications for VP shunting for normal pressure hydrocephalus and its impact on memory
- Describe new medical therapies and deep brain stimulation (DBS) for Parkinson's disease and essential tremor
- Identify symptoms and medical and surgical options for trigeminal neuralgia, hemifacial spasm and glossopharyngeal neuralgia

## **Symposium Directors**

### **Daniel F. Kelly, MD**

Director, Pacific Neuroscience Institute  
Director, Brain Tumor Center and Pituitary Disorders Center  
Professor of Neurosurgery  
John Wayne Cancer Institute at  
Providence Saint John's Health Center

### **Santosh Kesari, MD, PhD, FANA, FAAN**

Director of Neuro-oncology, PNI  
Chair and Professor  
Department of Translational  
Neurosciences and Neurotherapeutics  
John Wayne Cancer Institute at  
Providence Saint John's Health Center

### **Garni Barkhoudarian, MD**

Director, Adult Hydrocephalus Center & Facial Pain Center  
Co-Director, Pituitary Disorders Center, PNI  
Assistant Professor of Neurosurgery  
John Wayne Cancer Institute at  
Providence Saint John's Health Center

## **Faculty - Providence Saint John's Health Center & PNI**

### **Achal Singh Achrol, MD**

Director, Neurovascular Surgery and Neurocritical Care  
Stroke & Aneurysm Center, PNI  
Chief, Glioma Surgery Program  
John Wayne Cancer Institute

### **Marisa Chang, MD**

Neurologist, PNI  
Assistant Clinical Professor  
UCLA Department of Neurology  
UCLA School of Dentistry

### **Pejman Cohan, MD**

Endocrinologist, Pituitary Disorders Center, PNI  
Associate Professor of Medicine  
UCLA School of Medicine

### **Daniel Franc, MD, PhD**

Neurologist, PNI  
Co-Director, Adult Hydrocephalus Center

### **Dave S.B. Hoon, MSc, PhD**

Professor and Director,  
Dept. of Translational Molecular Medicine  
John Wayne Cancer Institute

### **John R. J alas, MD, PhD**

Pathologist, PNI  
Associate Professor  
John Wayne Cancer Institute

### **Sheldon Jordan, MD**

Neurologist, Neurological Associates of West Los Angeles  
Facial Pain Center, PNI  
Department of Neurology at UCLA

### **Jean-Philippe Langevin, MD, FAANS**

Director, Restorative Neurosurgery  
Movement Disorders Center, PNI

### **Melita Petrossian, MD**

Medical Director, Movement Disorders Center, PNI  
Neurologist and Movement Disorders Specialist

### **Sarah Rettinger, MD**

Endocrinologist, Pituitary Disorders Center, PNI  
Endocrinology Medical Group of Orange County

### **Jason W. Tarpley, MD, PhD**

Director, Stroke and Neurovascular Care  
Stroke & Aneurysm Center, PNI  
Medical Director, Stroke Program

### **George P. Teitelbaum, MD**

Director, Interventional Neuroradiology  
Stroke & Aneurysm Center, PNI  
Regional Director of Neurointerventional Surgery

### **Robert Wollman, MD**

Radiation Oncologist, PNI  
Medical Director  
Vasek Polak Radiation Oncology Department

## **Guest Faculty**

### **Christopher Duma, MD, FACS**

Medical Director, Brain Tumor Program, Hoag Hospital Newport Beach, CA  
Founder, CEO, Foundation for Neuroscience, Stroke, and Recovery  
Founder, Chairman of the Board, DatCard Systems, Inc.

### **Neil A. Martin, MD**

Director, Neuroscience Institute  
Chief Quality Officer  
Geisinger Heath System  
Danville, PA

### **Mia E. Miller, MD**

Otology, House Clinic  
House Research Institute  
Los Angeles, CA

### **Brent A. Reynolds, PhD**

Professor  
Department of Neurosurgery  
University of Florida  
Gainesville, FL

# Agenda

Friday, September 22

7:30 am Registration and Continental Breakfast

## Primary & Metastatic Brain Tumors

8:00 Welcome

8:10 Glioma Molecular Markers: The WHO 2016 Update  
*John Jalas*

8:35 Current and Future Treatment Options for  
Glioblastoma - *Santosh Kesari*

9:00 New Molecular Approaches for Primary and  
Metastatic Brain Tumors - *Dave Hoon*

9:25 Surgical Clinical Trials for High-Grade Gliomas  
*Achal Singh Achrol*

9:50 Break

10:10 Keyhole Surgery for Primary and Metastatic Brain  
Tumors - *Daniel Kelly*

10:35 Radiosurgery for Metastatic Brain Tumors - Limits and  
Outcomes - *Robert Wollman*

11:00 Leading Edge Radiosurgery & Vaccine Trials for  
Glioblastoma - *Christopher Duma*

11:25 Q & A

12:00 pm Lunch & Keynote Speaker: Neural Stem Cells and  
Regenerative Medicine for Neurological Disorders  
*Brent Reynolds*

1:10 Novel Nutritional Approaches for Malignant Brain  
Tumors - *Brent Reynolds*

## Pituitary & Skull Base Tumors

1:35 Pituitary Adenoma Surgery - Complication Avoidance  
While Pushing the Remission Envelope - *Daniel Kelly*

2:00 Cushing's Disease - Diagnostic & Medical  
Management Dilemmas - *Pejman Cohan*

2:25 Management of Pituitary Dysfunction - Post-op and  
Long-term - *Sarah Rettinger*

2:50 Break

3:10 Uncommon Tumors of the Pituitary & Parasellar  
Region - Diagnosis and Management  
*Garni Barkhoudarian*

3:35 Hearing Preservation and Restoration in the  
Treatment of Acoustic Neuromas - *Mia Miller*

4:00 Q & A

4:20 Adjourn

4:30-6:00 Welcome Reception - *Loews Hotel Fireside Lounge*



# Agenda

Saturday, September 23

7:30 am Continental Breakfast

## Stroke, Aneurysms & AV Malformations

- 8:00 **Neuro-interventional Management of Ischemic Stroke**  
*Jason Tarpley*
- 8:25 **Endovascular Treatment of Cerebral Aneurysms**  
*George Teitelbaum*
- 8:50 **Clipping “Uncoilable” Aneurysms: Lessons Learned over 30 Years** – *Neil Martin*
- 9:15 **Surgical Management of Brain Cavernous Malformations & Moyamoya Disease** – *Achal Singh Achrol*

9:40 Break

## On the Horizon: Novel Approaches & Clinical Trials

- 10:00 **Stem Cell Therapy for “Permanent” Stroke**  
*Achal Singh Achrol*
- 10:25 **How Melanoma and Lung Cancer Oncology is Changing the Primary Brain Tumor Landscape**  
*Santosh Kesari*
- 10:50 **Focused Ultrasound for Treating Neurological Diseases** – *Sheldon Jordan*
- 11:15 **Q & A**
- 11:50 **Lunch & Keynote Speaker:** The Future of Integrated Clinical Neuroscience: Genomics and Big Data for Predictive Proactive Precision Healthcare – *Neil Martin*

## Movement Disorders, Dementia & Hydrocephalus

- 1:00 pm **Advances in Management of Parkinson’s Disease and Essential Tremor** – *Melita Petrossian*
- 1:25 **Deep Brain Stimulation – Current Indications and Future Directions** – *Jean-Philippe Langevin*
- 1:50 **Dementia – Work-up, Treatment and New Therapies**  
*Daniel Franc*
- 2:15 **Maximizing Memory Through Endoscopic and Traditional Management of Hydrocephalus**  
*Garni Barkhoudarian*

2:35 Break

## Facial Pain

- 2:50 **Facial Pain Syndromes: Diagnosis and Management Options** – *Marisa Chang*
- 3:15 **Endoscopic Management of Vascular Compression Syndromes: Patient Selection & Technique**  
*Garni Barkhoudarian*
- 3:35 **Q & A**
- 4:00 **Adjourn**

# COURSE Location & Accommodations



## Loews Santa Monica Beach Hotel

Arcadia Ballroom  
1700 Ocean Avenue  
Santa Monica, California 90401

For hotel accommodations, call 1-888-332-0160. Mention “PNI Neuroscience Symposium” (group name) to get a special rate of \$405 per night plus taxes.

Cut-off date to get the special rate is August 22, 2017. Discounted group parking is \$18. Overnight parking is \$45 plus tax.

### Directions

[www.loewshotels.com/santa-monica/discover/map](http://www.loewshotels.com/santa-monica/discover/map)

### Local airport

LAX

### Attire

Business Casual

### Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of CME Outfitters, LLC and Academic Event Management. CME Outfitters, LLC is accredited by the ACCME to provide continuing medical education for physicians.

CME Outfitters, LLC designates this live activity for a maximum of 13.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



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## Registration

### Tuition

Physicians \$200 | 1 day only-Sept 22 or Sept 23 \$100

Nurses \$80 | 1 day only-Sept 22 or Sept 23 \$40

Residents \$80 | 1 day only-Sept 22 or Sept 23 \$40

**SPACE IS LIMITED!** Please print clearly.

SPECIALTY

HOSPITAL

NAME (FIRST, MIDDLE, LAST)

DEGREE

ADDRESS

CITY

PROVINCE/STATE

POSTAL/ZIP CODE

(AREA CODE) BUSINESS PHONE

(AREA CODE) BUSINESS FAX

EMAIL

DIETARY RESTRICTIONS

☐ PHYSICIAN ☐ NURSE ☐ RESIDENT ☐ FULL ☐ SEPT 22 ONLY ☐ SEPT 23 ONLY

### Payment

☐ Check enclosed payable to: Academic Event Management

☐ Visa ☐ MasterCard ☐ Discover ☐ American Express

Card Number

Expiration

Signature

## Cancellations

Cancellations must be received in writing by August 22, 2017 and will be subject to a \$35 processing fee. No refunds will be given after that date. Academic Event Management reserves the right to cancel, discontinue or reschedule this program at any time and will assume no financial obligation to the registrants in the event of a cancellation. In case of cancellation, registration fees will be refunded in full.

Send completed enrollment form to: **Academic Event Management**

### ONLINE

[www.academiceventmanagement.com](http://www.academiceventmanagement.com)

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