



David Geffen  
School of Medicine

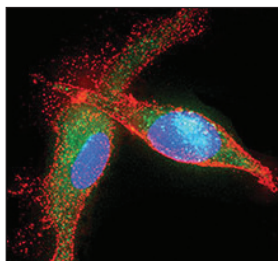
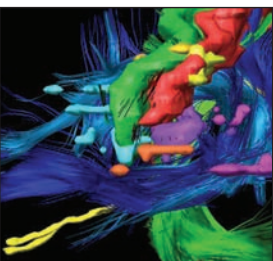
# UCLA Neurosurgery UPDATE 2018



APRIL 13-14, 2018

LOEWS SANTA MONICA BEACH HOTEL

1700 Ocean Ave, Santa Monica, CA



CME OFFICE OF  
CONTINUING  
MEDICAL  
EDUCATION

DAVID GEFFEN SCHOOL OF MEDICINE at UCLA

## COURSE DIRECTORS

### Nader Pouratian, MD, PhD

Associate Professor and Vice Chair  
Division of Functional Neurosurgery  
UCLA Department of Neurosurgery

### Luke Macyszyn, MD, MA

Assistant Professor  
Departments of Neurosurgery & Orthopaedics  
Associate Program Director, Neurosurgery  
Spinal Deformities and Tumor Surgery

## GUEST SPEAKER

### Henry Brem, MD

Professor & Director of Neurosurgery  
Johns Hopkins Hospital



## FACULTY

David Geffen School of Medicine at UCLA

### Ausaf Bari, MD, PhD

Assistant Professor  
Neurosurgery

### Marvin Bergsneider, MD

Professor  
Neurosurgery

### Manuel M. Buitrago Blanco, MD, PhD

Assistant Professor  
Neurosurgery and Neurology

### Meeryo Choe, MD

Associate Director  
UCLA Steve Tisch BrainSPORT Program

### Geoffrey Colby, MD, PhD

Associate Professor  
Neurosurgery

### Rich Everson, MD

Assistant Professor  
Neurosurgery

### Aria Fallah, MD, MSc

Assistant Professor  
Neurosurgery

### Itzhak Fried, MD, PhD

Professor  
Neurosurgery

### Christopher Giza, MD

Professor  
Neurosurgery

### Anthony Heaney, MD

Associate Professor  
Neurosurgery and Endocrinology

### Langston Holly, MD

Professor  
Neurosurgery

### Tania Kaprealian, MD

Assistant Clinical Professor  
Radiation Oncology

### Won Kim, MD

Assistant Clinical Professor  
Neurosurgery

### Albert Lai, MD

Associate Professor  
Neurology

### Jean-Philippe Langevin, MD

Assistant Professor  
Neurosurgery

### Linda Liao, MD, PhD, MBA

Professor and Chair  
Neurosurgery

### Daniel Lu, MD

Associate Professor  
Neurosurgery

### Paul Vespa, MD

Professor  
Neurosurgery and Neurology

### Anthony Wang, MD

Assistant Professor  
Neurosurgery

### Isaac Yang, MD

Associate Professor  
Neurosurgery

## COURSE DESCRIPTION

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The Department of Neurosurgery at the David Geffen School of Medicine at UCLA presents its first annual comprehensive update on emerging diagnostic and treatment modalities for diseases of the brain and spine. This course will focus on primary and metastatic brain tumors, neurovascular disease, skull base lesions, movement disorders, spinal pathologies, as well as traumatic brain injury. Renowned faculty experts from neurosurgery, neuro-oncology, radiation oncology, and medicine will present novel treatment and management strategies to help healthcare professionals deliver the most advanced care to their patients. This two-day program will be delivered over seven sessions, each followed by a question and answer break, to encourage active participation by the audience and discussion of challenging cases.

## TARGET AUDIENCE

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This course is targeted toward neurosurgeons, medical oncologists, radiation oncologists, neurologists, allied health professionals, and neurosurgery, neurology and oncology residents and fellows.

## COURSE OBJECTIVES

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

- Recommend the most up-to-date diagnostic, surgical, and minimally invasive advances in the evaluation and treatment of patients with brain and spinal pathology
- Identify and implement optimal patient-specific therapies for patients with brain tumors
- Utilize appropriate neuromodulatory therapies for functional neurosurgical indications
- Compare the relative utility of distinct approaches for managing spinal disorders
- Review multidisciplinary approaches to intracranial disease in the pediatric population
- Differentiate the relative benefits of open, endovascular, and radiosurgical approaches to managing cerebrovascular disease
- Report a systematic approach to the multimodal management of brain trauma

## ACCREDITATION

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The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA designates this live activity for a maximum of **12 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This CME activity meets the requirements, under California Assembly Bill 1195, continuing education and cultural and linguistic competency.

**Disclosure:** The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is "truly independent" and free of commercial influence. In addition to independence, the FDA requires that non-promotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program's participants. In addition, policy of the Accreditation Council for Continuing Medical Education mandates that the provider adequately manages all identified potential conflicts of interest prior to the program. We at UCLA, fully endorse the letter and spirit of these concepts.

## COURSE LOCATION

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**Loews Santa Monica Beach Hotel**  
1700 Ocean Ave, Santa Monica, CA 90401  
310-458-6700

### Accommodations

A block of rooms has been reserved at the Loews Santa Monica Beach Hotel at a special rate of \$359 single or double occupancy per night plus taxes. Please call the Loews Reservation Center at 800-235-6397 and request the group rate for the UCLA Neurosurgery 2018 CME Event. To reserve online, please visit: <https://www.loewshotels.com/santa-monica/neurosurgery-2018-cme-event>. Confirmation of reservations made after March 12, 2018 is subject to availability.

### Parking

Discounted valet day parking is \$15.  
Overnight valet parking is \$50 plus tax.

## PROGRAM

FRIDAY • APRIL 13 • 2018

7:45 Registration and Breakfast

8:45 Course Director's Welcome  
Nader Pouratian, MD, PhD and Luke Macyszyn, MD, MA

## BRAIN TUMOR SESSION

9:00 Malignant Brain Tumors: State-of-the-Art Treatment  
Linda Liau, MD, PhD, MBA9:20 Recent Developments in Brain Tumor Therapy  
Henry Brem, MD*GUEST LECTURE*9:50 Updates on Adult Low-Grade Gliomas  
Albert Lai, MD10:10 Brain Metastasis: State-of-the-Art Treatment  
Rich Everson, MD

10:30 Q&amp;A

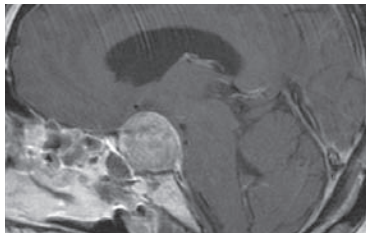
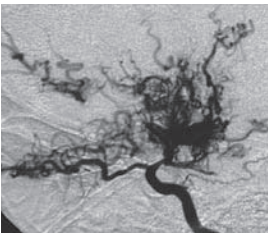
10:35 Break

10:45 Challenges to Developing New Therapies for Brain Tumors  
Henry Brem, MD*GUEST LECTURE*11:15 Advances in the Management of Meningiomas  
Isaac Yang, MD

## VASCULAR SESSION

11:35 Diagnosis and Treatment of Moyamoya Disease  
Anthony Wang, MD

11:55 Lunch

12:55 Advances in the Treatment of Cerebral Aneurysms  
Geoffrey Colby, MD, PhD1:35 Current Management Strategies for Arteriovenous Malformations  
of the Brain and Spinal Cord  
Anthony Wang, MD

## MOVEMENT DISORDERS & EPILEPSY SESSION

- 1:55 **Surgical Therapies for Movement Disorders: DBS, Ultrasound, and SRS**  
Ausaf Bari, MD, PhD
- 2:15 **Q&A**
- 2:20 **Break**
- 2:30 **New Technologies and Applications in Brain Stimulation**  
Jean-Philippe Langevin, MD
- 2:50 **Innovation in Epilepsy Surgery: Resection, Ablation, Disconnection, and Stimulation**  
Itzhak Fried, MD, PhD
- 3:10 **Surgical Management of Facial Pain and Headache**  
Nader Pouratian, MD, PhD
- 3:30 **Advances in Neuromodulation for Chronic Pain**  
Ausaf Bari, MD, PhD
- 3:50 **Q&A**
- 4:20 **Adjourn**
- 5:30 -7:30 **Reception**

## SATURDAY • APRIL 14 • 2018

- 7:00 **Breakfast**
- 7:50 **Course Director's Greeting**  
Nader Pouratian, MD, PhD and Luke Macyszyn, MD, MA

## SPINE SESSION

- 8:00 **Stereotactic Radiosurgery for Spinal Metastatic Disease**  
Tania Kaprealian, MD
- 8:20 **Lumbar MIS Decompression Alone or Fusion: When Less Is More, and When More Is Less**  
Langston Holly, MD
- 8:40 **Advanced Reconstruction Techniques for Spinal Deformity and Oncology**  
Luke Macyszyn, MD, MA
- 9:00 **Minimally Invasive Spine Surgery: Advanced Techniques & Novel Applications**  
Daniel Lu, MD
- 9:20 **Q&A**
- 9:25 **Break**

## PITUITARY & SKULL BASE SESSION

- 9:35 **Surgical Resection of Pituitary & Suprasellar Tumors: Complication Avoidance**  
Marvin Bergsneider, MD
- 9:55 **Novel Medical Therapies for Pituitary Adenomas**  
Anthony Heaney, MD
- 10:15 **Endoscopic Approaches to Anterior and Lateral Skull Base Tumors**  
Won Kim, MD
- 10:35 **Open Surgical Approaches to Lateral Skull Base Tumors**  
Anthony Wang, MD

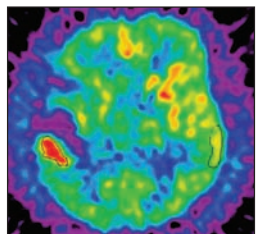
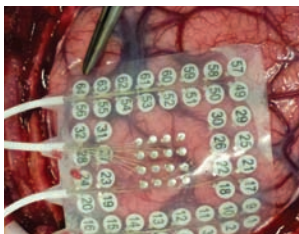
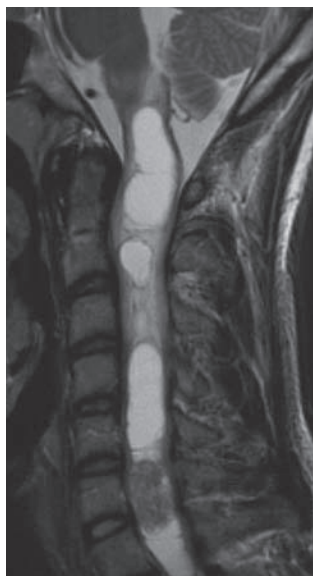
- 10:55 Q&A  
11:00 Break

## PEDIATRIC NEUROSURGERY SESSION

- 11:10 **Modern Advancements in the Surgical Treatment of Pediatric Epilepsy**  
Aria Fallah, MD, MSc
- 11:30 **Unique Molecular Genetic Features of Pediatric Brain Tumors**  
Anthony Wang, MD
- 11:50 **Lunch**
- 12:50 **Pediatric Spinal Deformities and Intraspinal Pathologies**  
Luke Macyszyn, MD, MA
- 1:10 **The Role of Endoscopic Third Ventriculostomy and Choroid Plexus Cauterization to Treat Infantile Hydrocephalus**  
Aria Fallah, MD, MSc

## BRAIN TRAUMA SESSION

- 1:30 **Multimodality Monitoring and Outcomes after TBI**  
Paul Vespa, MD
- 1:50 **Sports Concussions**  
Meeryo Choe, MD
- 2:10 **Q&A**
- 2:15 **Break**
- 2:25 **Translational Studies for Pediatric TBI**  
Christopher Giza, MD
- 2:45 **Recent Clinical Trial Highlights in Traumatic Brain Injury**  
Manuel M. Buitrago Blanco, MD, PhD
- 3:05 **Q&A**
- 3:15 **Conference Adjourns**



Tuition	<i>By March 15</i>	<i>After March 15</i>
Physicians	\$ 250	\$ 300
Allied Health	\$ 100	\$ 150
Residents/Fellows	\$ 50	\$ 50

Please print clearly

Specialty \_\_\_\_\_ Degree \_\_\_\_\_

Name (First,Middle,Last) \_\_\_\_\_

Address \_\_\_\_\_

City,State,Zip \_\_\_\_\_

(Area Code) Business Phone \_\_\_\_\_ (Area Code) Fax Number \_\_\_\_\_

E-mail Address \_\_\_\_\_

Last 4 digits of your Social Security Number \_\_\_\_\_

**Course Enrollment Options**

- Check enclosed, payable to: **Regents of the University of California**
- Please charge my credit card:  AMEX  Discover  MasterCard  Visa

Card Number \_\_\_\_\_ Exp.Date \_\_\_\_\_

Signature \_\_\_\_\_

Mail completed enrollment form to:  
**Office of Continuing Medical Education**  
**David Geffen School of Medicine at UCLA**  
**UCLA Neurosurgery Update**  
**10920 Wilshire Blvd., Suite 1060**  
**Los Angeles, CA 90024**

**Fax enrollment form to: 310-794-2624**

Register **by phone** with an American Express, Discover, MasterCard or Visa: **310-794-2620**

Register **online** with an American Express, Discover, MasterCard or Visa:

**[www.cme.ucla.edu/courses](http://www.cme.ucla.edu/courses)**

REFUNDS: Cancellations must be received in writing by March 9, 2018, and will be subject to a \$50 processing fee. No refunds will be given after that date. If for any reason the course must be cancelled, discontinued, or rescheduled by the Office of CME, a full refund will be provided.

**UCLA** Neurosurgery  
UPDATE 2018

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