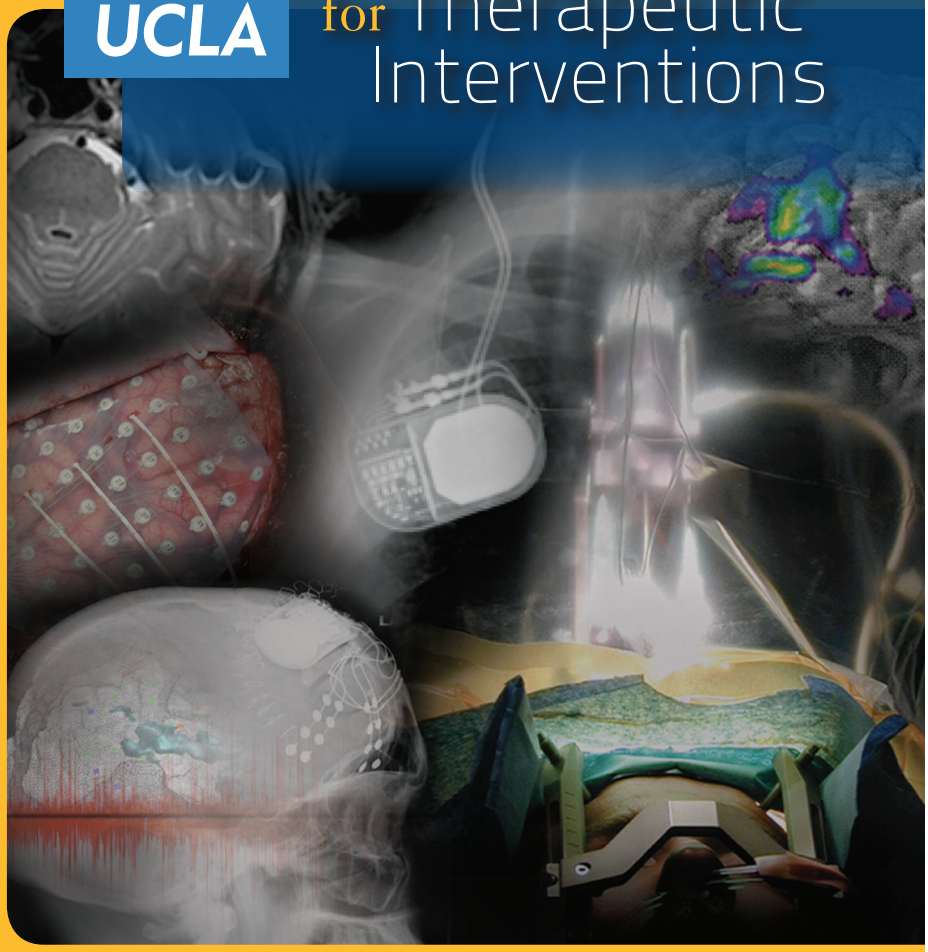
NEURAL INTERFACES for Therapeutic Interventions

UCLA



COURSE DIRECTORS

Nader Pouratian, MD, PhD
Director, UCLA Neurosurgical Movement Disorders Program

Antonio A.F. De Salles, MD, PhD
Director, UCLA Functional Neurosurgery Program

APRIL 2 & 3, 2010

Ronald Reagan UCLA Medical Center
Tamkin Auditorium
757 Westwood Plaza- B130
Los Angeles, CA 90095

CME OFFICE OF CONTINUING MEDICAL EDUCATION
DAVID GEFFEN SCHOOL OF MEDICINE at UCLA

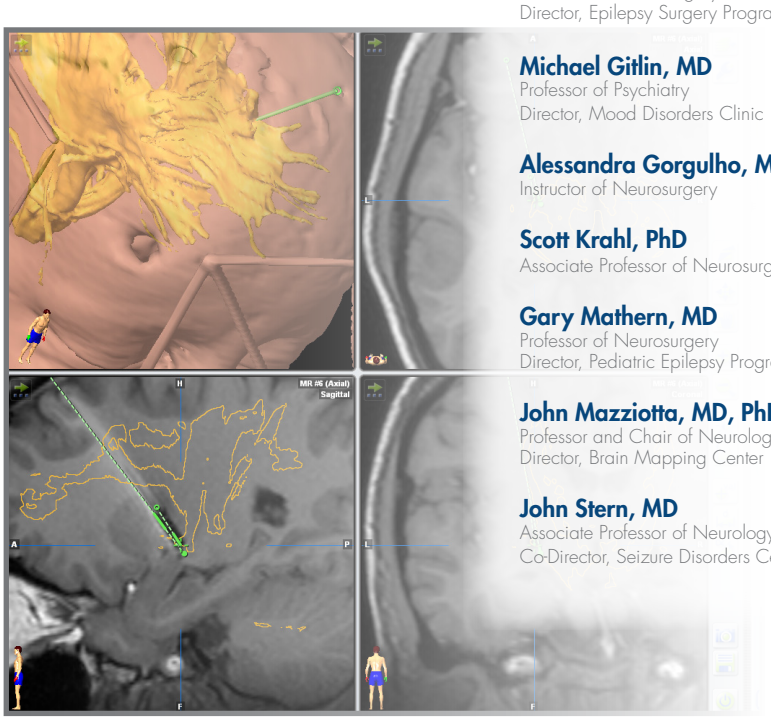
COURSE DIRECTORS

Nader Pouratian, MD, PhD
Assistant Professor
UCLA Department of Neurosurgery
Director, Neurosurgical Movement Disorders Program

Antonio A.F. De Salles, MD, PhD
Professor
UCLA Department of Neurosurgery
Director, Functional Neurosurgery Program

KEYNOTE SPEAKER

Philip A. Starr, MD, PhD
Associate Professor in Residence
of Neurological Surgery
Dolores Cakebread Endowed Chair
Co-Director, Functional Neurosurgery Program
UCSF Medical Center
San Francisco, California



UCLA FACULTY

Yvette Bordelon, MD, PhD
Assistant Professor of Neurology

Jeff Bronstein, MD, PhD
Professor of Neurology
Director, Movement Disorders Program

Alexander Bystritsky, MD
Professor of Psychiatry
Director, Anxiety Disorders Program

Ian A. Cook, MD
Associate Professor of Psychiatry
Director, Depression Program

Jeffrey Cummings, MD
Professor of Neurology
Director, UCLA Alzheimer's Disease Center

Bruce Dobkin, MD
Professor of Neurology
Director, Neurological Rehabilitation

Randall Espinoza, MD, MPH
Clinical Professor
Director, Electroconvulsive Therapy Program

Itzhak Fried, MD, PhD
Professor of Neurosurgery
Director, Epilepsy Surgery Program

Michael Gitlin, MD
Professor of Psychiatry
Director, Mood Disorders Clinic

Alessandra Gorgulho, MD
Instructor of Neurosurgery

Scott Krahl, PhD
Associate Professor of Neurosurgery

Gary Mathern, MD
Professor of Neurosurgery
Director, Pediatric Epilepsy Program

John Mazziotta, MD, PhD
Professor and Chair of Neurology
Director, Brain Mapping Center

John Stern, MD
Associate Professor of Neurology
Co-Director, Seizure Disorders Center

NEURAL INTERFACES
UCLA for Therapeutic Interventions

FRIDAY, April 2, 2010

12:30 pm **Registration**

1:30 **Introductory Remarks**
Antonio A.F. De Salles, MD, PhD

PSYCHIATRIC DISEASE

1:40 **Neurobiology of Psychiatric Disease**
Michael Gitlin, MD

2:10 **Obsessive Compulsive Disorder: Medical, Behavioral, and Surgical Therapy**
Alexander Bystritsky, MD

2:30 **Depression: Medical, Behavioral, and Surgical Therapy**
Randall Espinoza, MD

2:50 **Depression: Role of TMS and Peripheral Nerve Stimulation**
Ian A. Cook, MD

3:10 **Surgical Targets for Behavioral Therapy**
Antonio A.F. DeSalles, MD, PhD

DEMENTIA

3:30 **Surgical Therapies for Dementia**
Jeffrey Cummings, MD

4:00 BREAK

EPILEPSY

4:30 **Invasive Monitoring for Epilepsy: What We've Learned**
Itzhak Fried, MD, PhD

4:50 **Vagus Nerve Stimulation for Epilepsy**
Gary Mathern, MD

5:10 **Central Neuromodulation for Epilepsy**
John Stern, MD

5:30 pm Conclusion of First Day

SATURDAY, April 3, 2010

7:00 am **Breakfast and Registration**

8:00 **Introductory Remarks**
Nader Pouratian, MD, PhD

MOVEMENT DISORDERS

8:10 **Pathophysiological Basis of Medical Therapy for Movement Disorders**
Yvette Bordelon, MD, PhD

8:35 **Surgical Outcomes of DBS for Movement Disorders**
Jeff Bronstein, MD, PhD

9:00 **Image-guided and "Frameless" Approaches for DBS**
Philip Starr, MD, PhD

9:30 BREAK

10:00 **DBS Complications**
Alessandra Gorgulho, MD

10:20 **DBS Programming for Movement Disorders**
Scott Krahl, PhD

10:40 **Rehabilitation after DBS**
Bruce Dobkin, MD

11:00 **Exploring New Targets for the Surgical Treatment for Movement Disorders**
Philip Starr, MD, PhD

11:30 **Questions and Answers**
All Faculty

12:00 pm Lunch and Visit Exhibits

THE NEXT GENERATION OF BRAIN COMPUTER INTERFACES

1:00 **Brain Mapping: Potential Contributions to Surgical Innovation**
John Mazziotta, MD, PhD

1:20 **Brain Computer Interface: The Current State of the Art**
Nader Pouratian, MD, PhD

2:00 **Hands-On DBS Programming and BCI Demonstrations**

4:00 pm **Adjourn**

NEURAL INTERFACES FOR THERAPEUTIC INTERVENTIONS COURSE

COURSE# M090-29

Tuition:	Physicians	$125.00
	Nurses	$ 85.00
	Fellows/Residents	$ 50.00

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: **Academic Event Management**

❑ Please charge my credit card

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__| |__|__|/ |__|__|

Card Number Exp.Date

Signature ______________________________

- Mail completed enrollment form to:
  Academic Event Management
  1396 Rancho Lane
  Thousand Oaks, CA 91362

- Fax enrollment form to: 805-494-1103
- Register by phone: 805-300-9154
- Register by e-mail: pat@academiceventmanagement.com
- Register on-line: http://**www.nifti.org**

REFUNDS: Cancellations must be received in writing by March 2, 2010 and will be subject to a $30 processing fee. No refunds will be given after that date. If for any reason the course must be canceled, discontinued, or rescheduled by the Office of CME, a full refund will be provided.

COURSE DESCRIPTION

This comprehensive 1.5 day continuing medical education (CME) program in functional neurosurgery features an outstanding faculty from the Departments of Neurosurgery, Neurology, and Psychiatry at the David Geffen School of Medicine at UCLA. The purpose of the course is to provide an update on the multidisciplinary management of psychiatric disease, epilepsy, and movement disorders. There will be specific emphasis on the FDA-approved indications of deep brain stimulation (DBS) as well as emerging indications for DBS, such as depression and epilepsy. Alternative treatments, including peripheral nerve stimulation and noninvasive modulation with transcranial magnetic stimulation (TMS) will also be discussed. The final didactic segment of the course will briefly review the development of novel neural interfaces for therapeutic interventions. To conclude, we are happy to offer a hands-on component of the course during which attendees will be able to practice DBS programming skills and try to control a cursor using an actual brain-computer interface device.

TARGET AUDIENCE

Neurosurgeons, Neurologists (general and movement disorder), Psychiatrists, Psychologists, Allied-health professionals, Neurosurgical residents and fellows.

COURSE OBJECTIVES

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

1. Understand indications, outcomes, and risks of deep brain stimulation for movements disorders
2. Understand the postoperative management of patients with deep brain stimulators
3. Review emerging indications for deep brain stimulation, including epilepsy and psychiatric indications
4. Appreciate the multidisciplinary approach to the management of neuropsychiatric disease

ACCREDITATION

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.

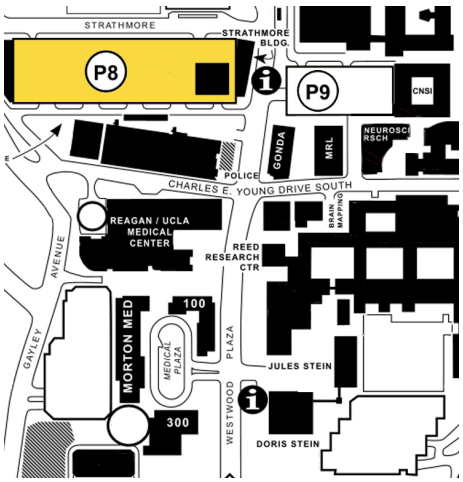
The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA designates this educational activity for a maximum of 10 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

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 now 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

Ronald Reagan UCLA Medical Center
Tamkin Auditorium
757 Westwood Plaza- B130
Los Angeles, CA 90095



Directions from LAX:

From the 405 Freeway, exit on Wilshire Blvd. EAST. Proceed on Wilshire Blvd. to Westwood Blvd. and make a LEFT. Proceed NORTH on Westwood Blvd., cross Charles E. Young Drive South and continue 1/2 a block. Turn LEFT into Lot 8 and take the ramp to the roof level.
There will be an attendant selling permits. Park on Level 4.

Parking is $10 daily

ACCOMMODATIONS

Hotel Angeleno
170 N. Church Lane
Los Angeles, California 90049

For reservations call: 310-476-6411. Mention "NIFTI" for a special rate of $135 plus taxes. Space is limited. Cut-off date for special rate is March 19, 2010

NEURAL INTERFACES
UCLA for Therapeutic Interventions

Office of Continuing Medical Education
David Geffen School of Medicine at UCLA
405 Hilgard Avenue
Box 956938
Los Angeles, CA 90095-6938

Presented by:

OFFICE OF CONTINUING MEDICAL EDUCATION
DAVID GEFFEN SCHOOL OF MEDICINE at UCLA

UCLA NEUROSURGERY