



# NEUROSURGERY IN THE 21<sup>ST</sup> CENTURY

*Appreciating the Past,  
Defining the Present,  
Imagining the Future*

**FRIDAY, FEBRUARY 4, 2011**

## **COURSE DIRECTORS**

Philip E. Stieg, PhD, MD  
Susan C. Pannullo, MD, FAANS  
Jeffrey P. Greenfield, MD, PhD

## **FACULTY**

Mark Bilsky, MD  
Justin Fraser, MD  
Jamshid Ghajar, MD  
Antonio Gotto, MD  
Philip H. Gutin, MD  
Roger Härtl, MD  
Jared Knopman, MD  
Michael H. Lavyne, MD  
Neal Luther, MD  
Russel H. Patterson, Jr., MD  
Howard Riina, MD  
Michelle Smith, MD  
Mark M. Souweidane, MD

Weill Cornell Medical College  
Uris Auditorium  
1300 York Avenue  
New York, NY 10065

## **SPECIAL EVENT:**

**BRONSON RAY AWARDS  
PRESENTATION & HONOREE  
RECEPTION**

**REGISTER ONLINE/SPACE IS LIMITED:  
[www.cornellneurosurgery.org](http://www.cornellneurosurgery.org)**



Weill Cornell Medical College

**NewYork-Presbyterian**

# NEUROSURGERY IN THE 21<sup>ST</sup> CENTURY

## SPONSORED BY

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## OVERVIEW/COURSE DESCRIPTION

This one-day course will focus on high-level neurosurgical care, including a perspective on the advances of the past and how this has helped to define present-day procedures and patient care. Didactic sessions will address state-of-the-art procedures for the treatment of brain injury, tumors, spine and vascular conditions. A review of new technologies, clinical trials and advances in research will offer a vision of 21st century care and how this might positively affect patient outcomes.

## COURSE DIRECTORS

Philip E. Stieg, PhD, MD

Susan Pannullo, MD

Jeffrey P. Greenfield, MD, PhD

## DATE AND TIME

Friday, February 4, 2011, 7:30am - 6:00pm

Registration: 7:30-8:15am

## LOCATION

Weill Cornell Medical College

Uris Auditorium

1300 York Avenue

New York, NY 10065



## STATEMENT OF NEED

This course will provide combined, state-of-the-art updates in high-level neurosurgical care to address better patient outcomes, safer surgery, and new scientific advances addressing:

- Advances in technical aspects of neurosurgery and the neurological sciences
- Updates, new treatments, new technologies
- New clinical trial options

## TARGET AUDIENCE

This course is designed for practicing neurosurgeons, vascular surgeons, orthopedic spine surgeons, radiologists, primary care physicians, physician assistants, nurse practitioners, interns, fellows and residents in training.

## EDUCATIONAL OBJECTIVES

The objective of any CME program is to improve patient care. Upon completion of this course, participants will be able to:

- Discuss new technology to make diagnosis in the neurological surgery patient.
- Identify the state-of-the-art advancements in the scientific understanding of the neurological basis of the diseases we treat and how this will impact a patient's future therapies.
- Discuss surgical treatment and post-surgical therapies for patients, with an emphasis on safe and effective treatment.
- Develop protocols and best practices in management of the neurological surgery patient.

**COURSE AGENDA****FRIDAY, FEBRUARY 4, 2011**

- 7:30-8:15am      REGISTRATION AND BREAKFAST
- 8:15-8:30am      OVERVIEW and INTRODUCTION  
-Philip E. Stieg, PhD, MD  
Professor and Chairman, Neurosurgeon-in-Chief
- 8:30-9:00am      WELCOME ADDRESS  
-Antonio M. Gotto, Jr., MD  
Dean, Weill Cornell Medical College
- SESSION I:      TRAUMA**—Moderator: Susan C. Pannullo, MD, FAANS
- 9:00-9:20am      Comparative Historical Methods of Surgical Interventions for Brain Injury  
-Jamshid Ghajar, MD
- 9:20-9:40am      Current Approaches in Surgical Management of Brain Injury  
-Roger Härtl, MD
- 9:40-10:00am    Innovations in Minimally Invasive Surgical Management for the Brain Injured Patient  
-Michelle Smith, MD
- 10:00-10:10am    Group Q&A
- 10:10-10:30am    BREAK
- SESSION II:      TUMORS**—Moderator: Susan C. Pannullo, MD, FAANS
- 10:30-10:50am    The Effectiveness of Historical Surgical Interventions for Brain Tumors  
-Philip H. Gutin, MD
- 10:50-11:10am    Current Surgical Management of Brain Tumors in Adults and Children  
-Mark M. Souweidane, MD
- 11:10-11:30am    Surgical Advances in Intracranial Tumor Surgery  
-Neal Luther, MD
- 11:30-11:40am    Group Q&A
- 11:40-1:20pm      LUNCH
- SESSION III:      SPINE**—Moderator: Jeffrey P. Greenfield, MD, PhD
- 1:20-1:40pm      A Historical Perspective on Spinal Surgery  
-Michael H. Lavyne, MD
- 1:40-2:00pm      Recent Practices in the Surgical Approaches to Spinal Tumors  
-Mark H. Bilsky, MD
- 2:00-2:20pm      Novel Neurosurgical Approaches to Diseases of the Spine  
-Jared Knopman, MD
- 2:20-2:30pm      Group Q&A
- 2:30-2:50pm      BREAK

<b>SESSION IV:</b>	<b>VASCULAR</b> —Moderator: Jeffrey P. Greenfield, MD, PhD
2:50-3:10pm	The Evolution of Vascular Neurosurgery: How We Did It -Russel H. Patterson, Jr., MD
3:10-3:30pm	Contemporary Practices in Vascular Neurosurgery -Howard Riina, MD
3:30-3:50pm	Future Options for Treatment of Vascular Diseases of the Brain -Justin Fraser, MD
3:50-4:00pm	Group Q&A
4:00-4:30pm	CLOSING REMARKS, Presentation of Bronson Ray Awards -Philip E. Stieg, PhD, MD
4:30-6:00pm	BRONSON RAY HONOREE RECEPTION Griffis Faculty Club

### **FACULTY/COURSE DIRECTORS**

Phillip E. Stieg, PhD, MD  
Chairman, Department of Neurological Surgery  
Weill Cornell Medical College  
Neurosurgeon-in-Chief  
Brain and Spine Center  
NewYork-Presbyterian/Weill Cornell Medical Center

Susan C. Pannullo, MD, FAANS  
Associate Professor of Clinical Neurological Surgery  
Weill Cornell Medical College  
Adjunct Professor of Biomedical Engineering  
Cornell University-Ithaca  
Director of Neuro-Oncology, Department of Neurological Surgery  
Director of Neurosurgical Radiosurgery  
NewYork-Presbyterian/Weill Cornell Medical College

Jeffrey P. Greenfield, MD, PhD  
Victor and Tara Menezes Clinical Scholar in Neuroscience  
Assistant Professor of Neurological Surgery  
Assistant Professor of Neurological Surgery in Pediatrics  
Weill Cornell Medical College  
Assistant Attending Neurological Surgeon  
NewYork-Presbyterian/Weill Cornell Medical Center

### **FACULTY**

Mark H. Bilsky, MD  
Professor of Neurological Surgery  
Weill Cornell Medical College  
Attending Neurological Surgeon  
Memorial Sloane Kettering Cancer Center

Justin Fraser, MD  
Chief Resident  
NewYork-Presbyterian/Weill Cornell Medical Center

Jamshid Ghajar, MD  
President, Brain Trauma Foundation  
Clinical Professor of Neurological Surgery  
Weill Cornell Medical College

Antonio Gotto, MD  
Dean, School of Medicine  
Weill Cornell Medical College

Philip H. Gutin, MD  
Chair, Department of Neurosurgery  
Co-Executive Director, Brain Tumor Center  
Fred Lebox Chair in Neuro-Oncology  
Memorial Sloane Kettering Cancer Center

Roger Härtl, MD  
Leonard and Fleur Harlan Clinical Scholar  
Professor and Chief of Spinal Surgery  
Weill Cornell Medical College

Jared Knopman, MD  
Resident  
New York-Presbyterian/Weill Cornell Medical Center

Michael H. Lavyne, MD  
Clinical Professor of Neurological Surgery  
Weill Cornell Medical College

Neal Luther, MD  
Resident  
New York-Presbyterian/Weill Cornell Medical Center

Russel H. Patterson, Jr., MD  
Professor of Surgery (Neurosurgery)  
New York Hospital/Cornell Medical Center  
(Retired)

Howard Riina, MD  
Professor of Clinical Neurological Surgery  
Associate Professor of Neurological Surgery in Radiology  
Associate Professor of Neurological Surgery in Neurology  
Weill Cornell Medical College

Michelle Smith, MD  
Chief Resident  
New York-Presbyterian/Weill Cornell Medical Center

Mark M. Souweidane, MD  
Professor of Neurological Surgery  
Professor of Neurological Surgery in Pediatrics  
Weill Cornell Medical College  
Adjunct Assistant Professor of Clinical Neurological Surgery  
Columbia University College of Physicians and Surgeons

■ **SPECIAL EVENT** ■  
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Uris Auditorium  
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New York, New York, 10065

**TO REGISTER:**

Register ONLINE at:  
**www.cornellneurosurgery.org**  
or FILL, OUT and mail this registration card.  
Email inquiries: jcg9059@nyp.org

**TUITION:** Includes meals, breaks and Honoree Reception

**REFUND POLICY:** A handling fee of \$20 is deducted for cancellation. Refund request must be received by mail one week prior to the course. No refund will be made thereafter.

**FEES:** I will be attending (*check appropriate box*)

Physicians, Surgeons, Radiologists, Internists, Physicians Assistants,  
Nurse Practitioners  \$150.  
Residents, Fellows, Interns  *No Charge*

**Yes, I would like to attend.** (PLEASE PRINT ALL INFORMATION BELOW)

LAST NAME: \_\_\_\_\_ FIRST NAME: \_\_\_\_\_ DEGREE: \_\_\_\_\_

SPECIALTY: \_\_\_\_\_ AFFILIATION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

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**For course information, please contact:** Jessica Grajales, Course Coordinator

- Tel.: 212-585-6800
- Email: jeg9059@nyp.org

### **ACCREDITATION AND CREDIT DESIGNATION STATEMENTS**

Weill Cornell Medical College is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Weill Cornell Medical College designates this educational activity for a maximum of *5.25 AMA PRA Category 1 Credit(s)*<sup>TM</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

### **FACULTY DISCLOSURE**

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### **LOCATION/TRAVEL**

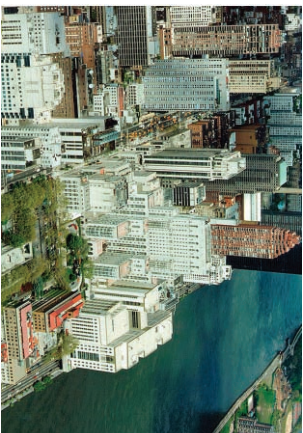
Weill Cornell Medical College, 1300 York Avenue, New York, New York 10065

**BY CAR:** FDR driving SOUTH, exit at 71st Street. FDR driving NORTH, exit at 63rd Street, and proceed to 1300 York Avenue. Garage parking is available.

**AIRLINE:** Arrivals at LaGuardia, John F Kennedy and Newark International Airports. Public transportation and taxi service are available from all three airports.



**NewYork-Presbyterian Hospital**  
525 East 68TH Street  
New York, New York 10065



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**SPECIAL EVENT:**  
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