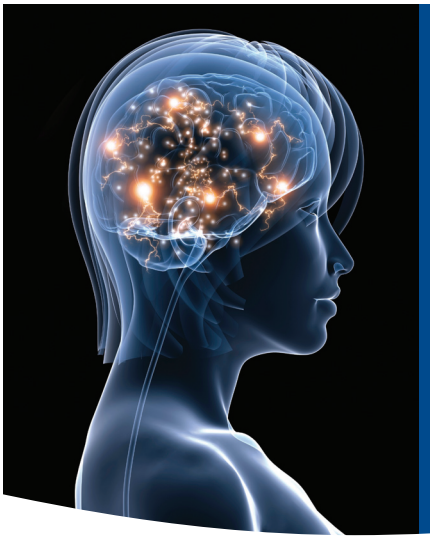

EMORY Neurosciences

Therapeutic Frontiers in Acute CNS Injury

2nd Annual Symposium

Friday, May 7, 2010
Emory University, White Hall Auditorium
Atlanta, Georgia

www.neurosciences.emory.edu

EMORY UNIVERSITY

EMORY HEALTHCARE

Course Description

The Neurosciences Initiative symposium, *Therapeutic Frontiers in Acute Central Nervous System Injury*, will provide participants with a view into the future of the clinical care of stroke, spinal cord injury and head trauma, presented by a world-renowned faculty.

The symposium aims to increase understanding of major emerging fronts in central nervous system (CNS) injury research and practical clinical treatment in both acute care and rehabilitation settings. The presentations will outline cellular mechanisms underlying neural injury and repair, key therapeutic targets and approaches to clinical translation from academic and industry perspectives.

While fundamentally forward-looking, the symposium will also provide information of immediate value to active health care professionals, encompassing a panel and audience discussion of current best clinical practices for acute neurological and neurosurgical management as well as neurorehabilitation.

Target Audience

This symposium is designed for physicians, health professionals and neuroscientists interested in acute central nervous system injury and rehabilitation, with a focus on ischemic and hemorrhagic stroke, spinal cord injury and head trauma.

Continuing Medical Education (CME) Certification

The Emory University School of Medicine designates this educational activity for a maximum of *7 AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The Emory University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Educational Objectives

After attending this symposium, participants should be able to:

- Describe the public health problem of traumatic CNS injury and acute stroke
- Understand emerging ideas about how acid-sensing channels, oxidative stress, circuit based events, the neurovascular unit and cortical spreading depolarization contribute to neuronal injury after CNS injury
- Describe hurdles to translation of bench research on neuroprotection and repair into new clinical therapies
- Understand the importance of biomarkers as a critical factor in the success of translational research in acute stroke
- Understand the current focus of NINDS funded basic, translational and clinical research in the areas of stroke and CNS repair
- Describe methods to develop an academic-community partnership to provide more rapid patient assessment and conduct clinical trials of promising new treatment approaches
- Learn about the cellular response to CNS injury and some novel approaches to promoting neuronal plasticity and recovery after brain or spinal cord injury
- Appreciate the complexity of patient care and factors that affect short-term and long-term outcomes through illustrative clinical cases
- Understand how emerging scientific evidence can guide clinical decision making in patients with CNS injury
- Hear what leading Emory physicians are doing today in the practical management of patients with CNS injury

Fees

- General attendance – Free*
- Those seeking CME credit – $25 per person

* *Note: Pre-registration is requested for all participants.*

Registration Information

Visit www.neurosciences.emory.edu to register and for a detailed course description.

Agenda

9–9:10 a.m. *Welcome*
Dennis W. Choi, MD, PhD
(Emory University)

Session 1: Cellular Mechanisms and Therapeutic Targets

9:10–9:15 a.m. *Host Remarks*
Steve Traynelis, PhD
(Emory University)

9:15–9:50 a.m. *Cortical Spreading Depolarizations and the Neurovascular Unit: From Mouse to Human*
Michael A. Moskowitz, MD
(Massachusetts General Hospital)

9:50–10:25 a.m. *Acid-Sensing Ion Channels in the Brain: A New Therapeutic Target for Stroke*
Roger Simon, MD
(Legacy Health Systems)

10:25–10:40 a.m. Break

Session 2: Clinical Translation and Enhancing Repair

10:40–10:45 a.m. *Host Remarks*
Michael Frankel, MD
(Emory University)

10:45–11:20 a.m. *Current and Future Directions for Translational Research in CNS Injury and Stroke at NINDS*
Walter Koroshetz, MD
(National Institute of Neurological Disorders and Stroke)

11:20–11:55 a.m. *Meeting the Challenge of Translational Research in Acute Stroke*
Jeffrey Saver, MD
(UCLA Stroke Center)

11:55 a.m.–12:30 p.m. *Progress and Discovery in Mechanisms of Repair and Recovery Following Stroke*
Randolph J. Nudo, PhD
(University of Kansas Medical Center)

12:30–1:30 p.m. Lunch

Session 3: Traumatic CNS Injury

1:30–1:35 p.m. *Host Remarks*
Donald Stein, PhD
(Emory University)

1:35–2:10 p.m. *Toward a More Effective Approach for Inhibiting Reactive Oxygen Species-Induced Oxidative Damage in Traumatic Brain Injury*
Edward D. Hall, PhD
(University of Kentucky Medical Center)

2:10–2:45 p.m. *The Quest for Discovering a Therapeutic Strategy in Acute Spinal Cord Injury*
Lisa McKerracher, PhD
(LM Consulting)

2:45–3 p.m. Break

Session 4: Clinical Issues and Best Practices

3–3:05 p.m. *Host Remarks*
Michael Frankel, MD
(Emory University)

3:05–4:50 p.m. *Clinical Panel*
Daniel Barrow, MD
Jacques E. Dion, MD
Fadi Nahab, MD
Owen Samuels, MD
Steven L. Wolf, PhD
David W. Wright, MD
(Emory University)

4:50–5 p.m. *Closing Remarks*
Dennis W. Choi, MD, PhD
(Emory University)

Conference Location and Lodging

The conference will be held at:
Emory University, White Hall Auditorium
301 Dowman Drive • Atlanta, Georgia 30322

Hotel accommodations may be reserved at:
The Emory Conference Center Hotel
1615 Clifton Road, NE • Atlanta, Georgia 30329
Phone: 404-712-6000 or 800-933-6679
www.emoryconferencecenter.com

Early hotel reservations are suggested.

Parking

Symposium attendees may park in the Peavine parking deck or Emory University Hospital parking deck (valet service). Any fees associated with parking are the responsibility of the attendee.

Disclaimer

Emory Neurosciences reserves the right to cancel activities prior to the scheduled date if circumstances make it necessary. Each registrant will be notified by mail or e-mail or using the contact numbers provided during registration. In case of activity cancellation, liability of Emory Neurosciences is limited to the appropriate registration fees, which Emory Neurosciences will refund in their entirety. Emory Neurosciences reserves the right to limit the number of participants in a program and is not responsible for any expenses incurred by an individual whose registration is not confirmed and for whom space is not available.