Friday, December 7, 2007

8:00 am Welcome
Jack D. Barchas, MD
Chair, Board of Trustees, ARNMD

Section I: Neuroimaging Studies of Disorders of Consciousness and Related Topics

8:15 am Overview: Imaging Human Brain Imaging, Consciousness and Resting Metabolism
Marcus E. Raichle, MD
Washington University

9:00 am Imaging in Disorders of Consciousness
Steven Laureys, MD, PhD
Coma Science Group, Université de Liège, Belgium

9:45 am Detecting Awareness in Vegetative State
Adrian M. Owen, PhD
MRC Cognition and Brain Sciences Unit
Cambridge, United Kingdom

10:30 am Break

10:45 am Thought Translation Devices for Neurological Patients
Andrea Kübler, PhD
Institute of Medical Psychology and Behavioral Neurobiology
University of Tübingen, Germany

11:30 am Epileptic Unconsciousness
Hal Blumenfeld, MD, PhD
Yale University School of Medicine

12:15 pm Lunch

1:15 pm Multi-modal Studies of Transitions of State Consciousness Under Anesthesia
Emery N. Brown, MD, PhD
Massachusetts General Hospital
Harvard Medical School

2:00 pm Breakdown of cortical effective connectivity during sleep
Giulio Tononi, MD, PhD
University of Wisconsin

2:45 pm Break

Section II: Arousal and Brain Integrative Mechanisms Underlying the Conscious State

3:00 pm Definition of Arousal and Studies of Behavioral Metrics in Intact and Brain Damaged Animals
Donald W. Pfaff, PhD
Rockefeller University

3:45 pm The Thalamocortical System and Consciousness
Rodolfo Llinas MD, PhD
New York University School of Medicine

4:30 pm Contributions of the Basal Forebrain System to Arousal
TBC

5:15 pm Controlling Arousal Regulation Through Central Thalamic Electrical Stimulation: Experimental and Clinical Studies
Nicholas D. Schiff, MD
Weill Medical College of Cornell University
6:00 pm  Reception
7:00 pm  Thomas Salmon Lecture  
          Michael Gazzaniga, PhD
          University of California, Santa Barbara

Saturday, December 8, 2007
9:00 am  Welcome

Section III: Integrating Neuroscience Advances Into the Care and Evaluation of Patients with Disorders of Consciousness

9:15 am  Overview: Challenges of Disorders of Consciousness in the Intensive Care Unit: Prognosis, Goals of Care and Needs of the Population
          G. Bryan Young, MD, FRCPC
          London Health Sciences Centre, Ontario

10:00 am  Integrating Neuroimaging Into ICU Evaluations of Disorders of Consciousness
          Louis Puybasset, MD, PhD
          Groupe Hospitalier Pitié-Salpêtrière
          Université Pierre et Maris Curie, Paris

10:45 am  Overview: Challenges of Disorders of Consciousness in the Rehabilitation Unit: Prognosis, Goals of Care and Needs of the Population
          Break (11:30)
          John Whyte, MD, PhD
          Moss Rehabilitation Research Institute
          Albert Einstein Healthcare Network, Philadelphia

11:45 am  Integrating Neuroimaging Into Clinical Neurorehabilitation: Where Do We Stand?”
          Joseph T. Giacino, PhD
          JFK Johnson Rehabilitation Institute
          New Jersey Neuroscience Institute

12:30 pm  Ethics of Emerging Technologies for Study and Treatment of Severe Brain Injury
          James L. Bernat, MD
          Dartmouth-Hitchcock Medical Center

1:15 pm  Ethics of Goal Setting in Neuropalliative Care
          Joseph J. Fins, MD, FACP
          Weill Medical College of Cornell University

2:00 pm  Adjourn