

**25th Princeton Conference on Cerebrovascular Disease
Portland Hilton, Portland, Oregon – May 18-20, 2006**

Thursday, May 18th

7:00-9:00 pm Opening Reception at the Hilton

Friday, May 19th

7:00 – 7:50 Breakfast

7:50-7:55 Welcome

Roger Simon, MD
R.S. Dow Labs, Portland
Story Landis, PhD
NIH, NINDS

7:55-8:05 Introduction to the 25th Princeton Conference

Session I: Novel Approaches to Stroke Prevention in Atrial Fibrillation

8:05-8:10 Introduction

Thomas Brott, MD
Mayo Clinic, Jacksonville, Florida
David G. Sherman, MD
Univ of Texas
Rodney Falk, MD
Harvard University
Marc Gillinov, MD
Cleveland Clinic
Eugene Crystal, MD
*Sunnybrook & Women's College,
Toronto*

8:10-8:25 Pharmacological Rate v. Rhythm Control

8:25-8:40 Catheter Ablation Therapies

8:40-8:55 Surgical Ablation Therapies

8:55-9:10 Left Atrial Appendage Occlusion

9:10-9:30 Panel discussion/questions

9:30-9:45 Break

Session II: Inflammation and Stroke

9:45-9:50 Introduction

Bruce M. Coull, MD
Univ of Arizona
Raymond A. Swanson, MD
UC, San Francisco
David Saloner, PhD
UC, San Francisco
Sebastian Jander, MD
Heinrich Heine Univ, Germany
Gregory J. del Zoppo, MD
Scripps Research Institute

9:50-10:05 Poly (ADP-ribose) Polymerase and Inflammation

10:05-10:20 Magnetic Resonance Imaging of Inflamed Plaque

10:20-10:35 Imaging Inflammation in Acute Brain Ischemia

10:35-10:50 Microglia and Matrix Protease Generation
during Focal Ischemia

10:50-11:10 Panel discussion/questions

11:10-12:10 Key Note Lecture: Mechanisms of Cell Death

Dale E. Bredesen, MD
Buck Institute for Age Research

12:10-1:10 Lunch

Session III: Glutamate-Independent Calcium Toxicity

1:10-1:15 Introduction

Lucio Annunziato, MD
Univ of Naples, Italy
John MacDonald, MD
Univ of Toronto
Zhigang Xiong, MD, PhD
R.S. Dow Labs, Portland
Pierluigi Nicotera, MD, PhD
Univ of Leicester, UK

1:15-1:30 TRM7 Channels

1:30-1:45 Acid Sensing Ion Channels

1:45-2:00 The Sodium/Calcium Exchanger

2:00-2:20 Panel discussion/questions

2:20-2:35 Break

Session IV: Genomics of Ischemia

- 2:35-2:40 Introduction
- 2:40-2:55 Genomics of Preconditioning
- 2:55-3:10 Blood Brain Barrier Genomics
- 3:10-3:25 Blood and Brain Genomics after Stroke
- 3:25-3:40 Blood Genomics in Human Stroke
- 3:40-4:00 Panel discussion/questions

Roger P. Simon, MD

Mary Stenzel-Poore, PhD
Oregon Health and Science Univ
William Partridge, MD
UCLA
Frank R. Sharp, MD
UC, Davis
Alison Baird, MD, PhD
NIH, NINDS

Session V: Try it or Trial it?

- 4:00-4:05 Introduction
- 4:05-4:20 IA Thrombolysis for Basilar Artery Thrombosis (pro)
- 4:20-4:35 IA Thrombolysis for Basilar Artery Thrombosis (con)
- 4:35-4:50 Carotid Stenting for Asymptomatic Carotid Stenosis (pro)
- 4:50-5:05 Carotid Stenting for Asymptomatic Carotid Stenosis (con)
- 5:05-5:20 Implications and Future Directions
- 5:20-5:40 Panel discussion/questions

James F. Toole, MD
Wake Forest Univ SOM
Wade Smith, MD, PhD
UC, San Francisco
William J. Powers, MD
Washington Univ, St. Louis
Pierre Fayad, MD
Univ of Nebraska
Colin P. Derdeyn, MD
Washington Univ, St. Louis
Vladimir Hachinski, MD
London Health Sci Ctr, UK

6:30-9:30 pm Dinner cruise on Portland Spirit

Saturday, May 20th

7:00-8:00 Breakfast

Session VI: Cerebral Ischemia and the Developing Brain

- 8:00-8:05 Introduction
- 8:05-8:20 Maturation-Dependent Vulnerability in Brain
- 8:20-8:35 Modeled Cerebral Palsy
- 8:35-8:50 White Matter Injury with Heart Disease
- 8:50-9:05 Childhood Ischemic Stroke
- 9:05-9:25 Panel discussion/questions

Susan J. Vannucci, PhD
Columbia University
Stephen A. Back, MD, PhD
Oregon Health and Science Univ
Sidhartha Tan, MD
Northwestern University
Steven Miller, MD
UC, San Francisco
Karin Nelson, MD
NIH, NINDS

9:25-9:40 Break

Session VII: Intracerebral Hemorrhage

- 9:40-9:45 Introduction
- 9:45-10:00 MMPs and tPA-Induced Intracerebral Hemorrhage: Mechanisms and Prevention
- 10:00-10:15 Modeling Intracerebral Hemorrhage
- 10:15-10:30 Thrombin, Edema, and Iron in Cell Death
- 10:30-10:45 Factor VII in Human Intracerebral Hemorrhage
- 10:45-11:05 Panel discussion/questions

Steven M. Greenberg, MD, PhD
Harvard University
Eng H. Lo, PhD
Harvard University
Kenneth Wagner, PhD
Univ of Cincinnati
Guohua Xi, MD
Univ of Michigan
Stephan A. Mayer, MD
Columbia University

Session VIII: Adaptive Immunity

- 11:05-11:10 Introduction
- 11:10-11:25 Brain Immune Interaction after Stroke
- 11:25-11:40 Autoimmunity and Calcium Toxicity
- 11:40-11:55 Immune Tolerance Therapy in Stroke
- 11:55-12:15 Panel discussion/questions

John M. Hallenbeck, MD
NIH, NINDS
Ulrich Dirnagl, MD, PhD
Humbolt University, Germany

Michal Schwartz, PhD
Weizmann Instit of Science, Israel
Kyra Becker, MD
Univ of Washington

12:15-1:15 Lunch

1:15-1:45 Special Lecture: Detecting the Pain of a Heart Attack

Edwin McCleskey, PhD
Vollum Institute, OHSU

Session IX: New Approaches to Clinical Trials in Neuroprotection

- 1:45-1:50 Introduction
- 1:50-2:05 Clinical Trials of Neuroprotective Therapies
- 2:05-2:20 Hypothermia
- 2:20-2:35 Drug Screening: Lessons from New Paradigms used in Parkinson's Disease
- 2:35-2:50 Non-conventional Clinical Trial Designs
- 2:50-3:10 Panel discussion/questions

Mark P. Goldberg, MD
Washington Univ, St. Louis
Justin A. Zivin, MD, PhD
UC, San Diego
Thomas Hemmen, MD, PhD
UC, San Diego
Barbara Tilley, PhD
Med Univ of South Carolina
George Howard, DrPH
Univ of Alabama

3:10-3:25 Break

Session X: Stem Cells and Stroke Recovery

- 3:25-3:30 Introduction
- 3:30-3:45 Introduction to Neural Stem Cells
- 3:45-4:00 Neural Stem Cell Transplantation for Stroke
- 4:00-4:15 Neurogenesis, Brain Plasticity and Functional Recovery from Stroke
- 4:15-4:30 Rehabilitation in Stroke
- 4:30-4:45 Post-infarct Cortical Plasticity and Behavioral Recovery
- 4:45-5:05 Panel discussion/questions

David Greenberg, MD, PhD
Buck Institute for Age Research
Harley Kornblum, MD, PhD
UCLA
Gary K. Steinberg, MD, PhD
Stanford University
Michael Chopp, PhD
UC, San Francisco
Bruce H. Dobkin, MD
UCLA
Randolph J. Nudo, PhD
Univ of Kansas

6:00-10:00 Cocktails, dinner, and tours at Portland Art Museum