

Brain Injury and Epigenetics:

How Do We Advance the Science?

Friday, Oct. 25, 2013 Rieveschl Auditorium, Vontz Center for Molecular Studies, University of Cincinnati

Brain injury—whether from vascular insults, trauma or psychiatric disease—can be profoundly impacted by environmental influences. These influences affect gene programming/expression and play an integral role in the development and extent of disease and the response to therapy. This research symposium will explore the mechanisms, management and outcomes of brain injury through identification of the most critical research questions, while also exploring ways to collaborate to advance the science.

OBJECTIVES:

- to identify cardiovascular, cerebrovascular and psychiatric causes of brain injury
- to describe interventional strategies to manage brain injury
- to define mechanisms and epigenetic influences on brain injury
- to identify critical research questions related to the etiology, management and prevention of brain injury.

AGENDA

7:30 a.m.	Continental Breakfast and Registration	11:25 a.m.	Innovative Treatment of Spontaneous Intracerebral Hemorrhage Mario Zuccarello, MD <i>Professor and Chair, Department of Neurosurgery</i>
8 a.m.	Welcome Carl Fichtenbaum, MD <i>Professor, Medicine (Infectious Diseases)</i>	11:45 a.m.	Clinical Trials Addressing the Continuum of Traumatic Brain Injury Norberto Andaluz, MD <i>Adjunct Associate Professor, Neurosurgery</i>
8:10 a.m.	UC Case Presentation Opeolu Adeoye, MD <i>Assistant Professor, Emergency Medicine</i>	12:05 p.m.	Lunch
8:15 a.m.	MORNING KEYNOTE: Epigenetics and Brain Ischemia Roger Pancoast Simon, MD <i>Professor, Neurology and Neurobiology, Morehouse School of Medicine</i>	ACUTE MANAGEMENT OF BRAIN INJURY	
CARDIAC ORIGIN OF BRAIN INJURY		1 p.m.	Accelerating Thrombolysis with Ultrasound and Bubbles Christy Holland, PhD <i>Professor, Medicine (Cardiology)</i>
9:15 a.m.	Cardiac Origin Brain Injury/Stroke Stephanie Dunlap, DO <i>Associate Professor, Medicine (Cardiology)</i>	1:20 p.m.	Reversible Anticoagulants, Antidotes and Histone Modifiers Richard Becker, MD, <i>Professor and Director, Division of Cardiovascular Health and Disease, Director of UC Cardiovascular Institute</i>
9:35 a.m.	CMR Assessment of Cardiomyopathies Associated with Cerebrovascular Accidents Robert O'Donnell, MD <i>Assistant Professor, Medicine (Cardiology)</i>	1:40 p.m.	Cincinnati Stroke Research Program Overview Opeolu Adeoye, MD <i>Assistant Professor, Emergency Medicine</i>
9:55 a.m.	Cardiac Ablation to Prevent Brain Injury Alexandru Costea, MD <i>Associate Professor, Medicine (Cardiology)</i>	2 p.m.	Brain Injury and Bipolar Disease Stephen Strakowski, MD <i>Professor and Chair, Department of Psychiatry and Behavioral Neuroscience</i>
10:15 a.m.	Break	2:20 p.m.	AFTERNOON KEYNOTE: Epigenetics, Brain Injury and Suicide Gustavo Turecki, MD, PhD <i>Vice Chair for Research and Academic Affairs, Department of Psychiatry, McGill University</i>
BRAIN INJURY AND INTERVENTIONS		3:20 p.m.	PANEL DISCUSSION: Future Research Directions and Collaborations Moderator: Shuk-Mei Ho, PhD <i>Professor and Chair, Department of Environmental Health</i>
10:25 a.m.	Brain Injury From Bleeding and Stroke in A. Fib Mark Eckman, MD, <i>Professor and Director, Division of General Internal Medicine</i>	4 p.m.	Social Hour
10:45 a.m.	Plasmin as a Future Therapy for Ischemic Stroke and Other Thrombotic Disease George Shaw, MD, PhD, <i>Associate Professor, Emergency Medicine, Assistant Professor, Biomedical Engineering</i>		
11:05 a.m.	Neuromonitoring of Brain Tsunamis in Trauma and Stroke Patients: A New Target for Treatment? Jed Hartings, PhD <i>Research Associate Professor, Neurosurgery</i>		

RSVP to dama.ewbank@uc.edu by Oct. 21, 2013

Target Audience Trainees, graduate students, medical students, residents, fellows, faculty and staff with an interest in all aspects of brain injury and epigenetics.
Continuing Medical Education (CME) credits are available. The University of Cincinnati is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The University of Cincinnati designates this live activity for a maximum of 7 AMA PRA Category 1 Credit(s)[™]. Physicians should only claim the credit commensurate with the extent of their participation in the activity.