



The 2013 Bevill Conference on Mechanisms of Neurodegeneration

Jointly sponsored by the University of Alabama School of Medicine, the Bevill family &



Register online at www.uab.edu/cnc

- Free registration to hear world-class speakers on neurodegeneration
- Free breakfast, boxed lunch, snacks for registered guests, and free evening reception at the UAB North Pavilion atrium
- Free CME credit available

A poster session will feature work from UAB scientists researching neurodegeneration. Cash prizes for the best posters! **Online submission at www.uab.edu/cnc.**

The Children’s Harbor Building is located at 1600 6th Ave S, on the corner of 6th Ave S and 16th St. The Bevill Symposium will be held in the Bradley Lecture Center on the fourth floor. Parking is available in the deck at 16th St and 5th Ave.

AGENDA

7:30-8:30 Registration and Continental Breakfast, Bradley Conference Center, Children’s Harbor Building

8:40-9:30 **“Astrocytes in Neurodegeneration”**
Serge Przedborski, MD, PhD
Page and William Black Professor of Neurology, Depts of Neurology, Pathology, and Cell Biology; Columbia University

9:30-9:50 **“Enhanced Glutamate Release from mhtt Expressing Astrocytes: Implications for Excitotoxicity”**
Michelle Gray, PhD
Assistant Professor, Dept of Neurology; University of Alabama at Birmingham

10:10-11:00 **“Molecular Insights into Parkinson’s Disease Pathogenesis”**
Ted Dawson, MD, PhD
Leonard and Madlyn Abramson Professor of Neurodegenerative Disease, Professor, Depts of Neurology and Neuroscience; Johns Hopkins University School of Medicine

11:00-11:20 **“Role of 14-3-3s in Parkinson's Disease”**
Talene Yacoubian, MD, PhD
Assistant Professor, Dept of Neurology; University of Alabama at Birmingham

11:20-11:40 **“LRRK2 Exosome Release is Mediated by 14-3-3”**
Kyle Fraser
HHMI Fellow, West Lab, Dept of Neurology; University of Alabama at Birmingham

11:40-1:00 Poster Session and Lunch, North Pavilion Atrium

1:00-1:50 **“Novel Signaling Pathways in Models of Parkinson’s Disease”**
Valina Dawson, PhD
Professor, Depts of Neurology, Neuroscience, and Physiology; Johns Hopkins University School of Medicine

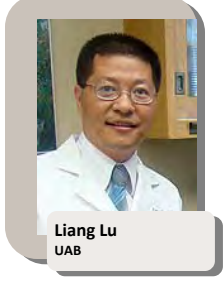
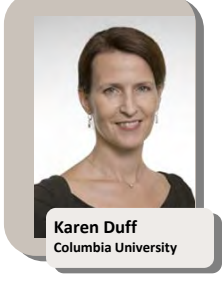
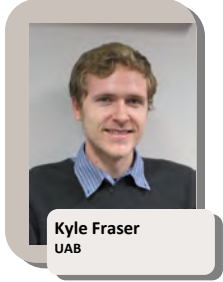
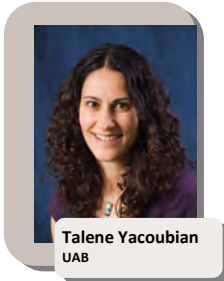
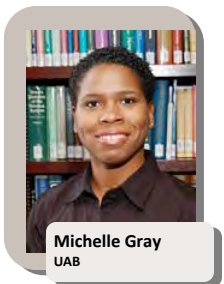
1:50-2:10 **“Autophagic Response to Bioenergetic and Oxidative Stress in Neurons”**
Jianhua Zhang, PhD
Associate Professor, Dept of Pathology; University of Alabama at Birmingham

2:10-3:00 **“Spread of Alzheimer’s Disease in Vivo: Neuroanatomical Considerations, Mechanistic Insight and Therapeutic Potential”**
Karen Duff, PhD
Professor, Dept of Pathology and Cell Biology; Columbia University Medical Center/NYSPI

3:20-3:40 **“Aberrant Cross Regulation of a Network of RNA-binding Proteins in ALS”**
Liang Lu, MD, PhD
Associate Professor, Dept of Neurology; University of Alabama at Birmingham

3:40-4:30 **“From Charcot to Lou Gehrig: Mechanisms and Therapy in ALS and Beyond”**
Don Cleveland, PhD
Distinguished Professor and Chair, Dept of Cellular and Molecular Medicine; University of California, San Diego

4:30-6:30 Reception, North Pavilion Atrium



➤ After participating in this CME activity, participants should be able to:

- Describe the basic mechanisms associated with certain neurodegenerative diseases.
- Appreciate the role of genetically engineered mouse models in the neurodegenerative diseases.
- Illustrate the potential use of pathological proteins and biomarkers for the identification and assessment of neurodegenerative diseases to facilitate early intervention and treatment.
- Understand the spectrum of neurodegenerative diseases from preclinical to symptomatic stages.

➤ Target Audience:

The educational design of this activity addresses the needs of neurologists, physician scientists, and other health care providers involved or interested in the treatment of patients with neurodegenerative diseases.

➤ Course faculty consists of speakers listed in the agenda above.

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the University of Alabama School of Medicine (UASOM) and The Bevill Foundation. UASOM is accredited by the ACCME to provide continuing medical education for physicians.

The University of Alabama School of Medicine designates this educational activity for a maximum of 6.5 AMA PRA Category 1 credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of ethnicity, gender, faith, gender identity and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans.