

November 24, 2008

Professor & Chair  
Dept. of Chemistry  
Case Western Reserve University  
10900 Euclid Avenue  
Cleveland, OH 44106-7078

Dear Professor,

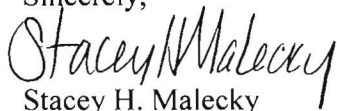
It is my pleasure to contact you regarding our Summer Undergraduate Research Internship program within the Center for Neuroscience at the West Virginia University School of Medicine. I am requesting your assistance in identifying highly qualified candidates in their second or third year with an interest in gaining research experience through participation in our energetic scientific environment. The Center for Neuroscience is an NIH-supported interdisciplinary group of faculty, post-doctoral fellows, and students investigating sensory, cognitive, and behavioral neuroscience; neural injury and neurodegeneration; and neuropsychiatric diseases. We offer the students exposure to cutting-edge technologies used in biomedical research. This year is extremely exciting for our group due to our recent move into a state-of-the-art, newly constructed research building.

I have enclosed three copies of our flyer and ask that you please post these announcements in a visible location within your department. We anticipate selecting up to fourteen outstanding applicants for faculty-supervised summer research positions. We offer a \$3,000 stipend and a \$1,000 housing allowance for the ten-week program. Selection for our internships is extremely competitive. The program will extend from May 25 to July 31, 2009.

Students interested in applying may consult the Center's website for the on-line application, a description of the program, and information concerning the research projects offered within the Center (see <http://www.hsc.wvu.edu/wvucn/suri/index.asp>). Please note that the application deadline is February 2, 2009 and immediate posting of this flyer is much appreciated.

Thank you for your assistance in communicating this opportunity to your students

Sincerely,



Stacey H. Malecky  
Administrator  
WVU Center for Neuroscience  
304-293-6289



## Summer Undergraduate Research Internships

The Center for Neuroscience will offer up to **14 internships** of research-intensive training for qualified undergraduate students. Research opportunities incorporate molecular- to systems-level analyses of nervous-system function, which include projects in sensory, cognitive, and behavioral neuroscience; neural injury and neurodegeneration; and neuropsychiatric disease. Interns are expected to complete a well-defined research project under the supervision of a Center faculty member. Trainees will receive a **\$3,000 stipend** plus a **\$1000 housing allowance**.

### 2009 Participating Mentors and Their Research

(subject to change)

Albert Berrebi, PhD	Anatomical and physiological analysis of auditory brainstem circuits.
Ashok P. Bidwai, PhD	Genetic and molecular analysis of retinal patterning and eye development in <i>Drosophila</i> .
Cathrin M. Bütefisch, MD	Reorganization of human motor cortex in response to different stimuli.
Kevin C. Daly, PhD	Neural-ensemble encoding, olfactory learning and memory, and psychophysics of olfactory acuity.
Jason D. Huber, PhD Charles L. Rosen, MD, PhD	Characterizing the functional and structural integrity of the blood-brain barrier in health and disease.
James W. Lewis, PhD	Using fMRI and ERP to identify human brain regions involved in our ability to recognize different categories of every day sounds.
Peter Mathers, PhD	Molecular genetic analysis of visual and auditory development.
Hawley E. Montgomery-Downs, PhD	Field and electrophysiology sleep and sleep disorders.
James O'Donnell, PhD	Molecular targets in the brain that mediate the effects of antidepressants and anti-anxiety drugs by examining cyclic nucleotide phosphodiesterases, neurotransmitter receptors, and neuronal transporters by utilizing behavioral, neurochemical, and molecular biological analyses.
Visvanathan Ramamurthy, PhD	Biochemical and molecular basis behind blinding diseases in humans.
Mario Scuri, PhD	Changes in neurotrophic factor expression following pulmonary exposure to nanoparticles.
George Spirou, PhD	Neural mechanisms for sound localization; synaptogenesis during embryonic development.
Sepideh Zareparsari, PhD	Molecular genetic analysis of blinding diseases including glaucoma.
Han-Ting Zhang, MD, PhD	Effect of lentivirus-mediated knockdown of the PDE4 enzyme on memory deficit induced by beta-amyloid in rats.

The program will run from **May 25–July 31, 2009**. On-line applications will be accepted from students currently enrolled at a college or university in the U.S., who have completed their 2nd or 3rd year. Preference will be given to those with a strong background in biology, chemistry, engineering, neuroscience, physics, or psychology, with an overall GPA of 3.0 or higher. Applicants are required to submit their curriculum vitae, official college transcripts, and 2 letters of recommendation.

**The application deadline is February 2, 2009**, with the research awards to be announced no later than **March 6, 2009**. For more information about the program, please visit:

[www.hsc.wvu.edu/wvucn/suri/index.asp](http://www.hsc.wvu.edu/wvucn/suri/index.asp)

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