**Program Change**

Thursday, September 11, 2014
3:00 p.m.–4:30 p.m.
Room A706

**Symposium 3.3**

Please make note of the additional presentation titles for Symposium 3.3.

2014 DIVERSITY ISSUES SYMPOSIUM: PHYSIOLOGICAL MECHANISMS LINKING MINORITY STATUS, STRESS, AND HEALTH

Chairs: Julian F. Thayer¹ & Michelle N. Shiota²
¹The Ohio State University, ²Arizona State University

PERINATAL CORRELATES OF STRESS IN AFRICAN AMERICAN AND CHINESE NEWBORNS
Eugene Emory
Emory University

EXPECTATIONS OF RACISM AND CAROTID INTIMA MEDIA THICKNESS IN AFRICAN-AMERICAN WOMEN
Tene Lewis
Emory University

SOCIAL VIGILANCE AS A BIOBEHAVIORAL PATHWAY IN STRESS-RELATED HEALTH DISPARITIES
John M. Ruiz
University of North Texas

RACE, STRESS, AND DIASTOLIC FUNCTION
Gaston Kapuka
Georgia Regents University

**WISE Luncheon**

Please make note of the topic for the WISE luncheon:
*Panel Discussion: Work-Life Balance in the Sciences*

**SPR Student Social**

Friday, September 12, 2014 from 9:30 p.m.-12:30 a.m.
Park’s Bar (150 Walton Street, Atlanta, 404-524-0444)
All students are welcome!

**Internet Access**

If you are staying at the Atlanta Marriott Marquis, you have complimentary wireless internet service in your guest room. We also have complimentary internet service available in the SPR meeting space. The access code is SPR2014.

**Special Interest Luncheon**

Thursday, September 11, 2014
Special Interest Luncheon for Faculty at Primarily Undergraduate Institutions
For more information, contact:
Jeff Sable at jsable@cbu.edu.

**New Poster Presentation**

Poster Session III, Poster #92
MUSEUM ERGONOMY AND EVOLUTION: 2D, 3D AND MULTIDIMENSIONAL PERCEPTION
Sara Invitto¹, Silvia Sammarco², Nadia Durante³, Italo Spada³, Dario Turco³, and Genuario Belmonte¹
¹University of Salento, ²Istituto Santa Chiara, ³Cetma Consortium, and ⁴Agilex srl

The objective of our study was to evaluate the perceptual characteristics of museum objects with evolutionary contents and natural sounds in a university museum, and how these characteristics can be fully elicited within the immersive environment. The assignment was a Go/No-Go task, carried out using a visual and auditory cross modal process. The visual stimuli consisted of two types of 3D anaglyph images (Tarbosaurus and Plankton) and two types of 2D images (colored screens and objects present in the museum) which were presented with the sounds of the Tarbosaurus or aquatic sounds in the background or no sounds at all. The experimental group performed the task in the museum (13 volunteers, recruited in the university; avg. age 29.2; SD=4.2). The control group performed the
task in the laboratory (12 volunteers; avg. age 34; SD =6). The GLM considered the group, target condition and sound condition and showed a significant effect on N200 and P300 ERP amplitudes (Group p <.05; Target p <.05; Sound p <.05; Target*Sound p >.05). Post hoc analysis showed a significant effect of group on amplitude with larger amplitudes at the frontal and occipital sites in an immersive environment. The 3D images produced larger ERPs at frontal and frontoparietal sites with respect to the 2D images which produced larger ERPs at occipital sites. The 2D modality showed facilitation of ERP latency for both sound conditions. These results indicate that there is greater arousal when the environment is immersive and even more so when the stimulus is 3D and multi-dimensional.

**Posters Withdrawn - continued**

**Poster Session II, Poster #44**
NEURAL RESPONSE TO VISUAL DISTRACTERS DURING MEMORY MAINTENANCE
Colleen A. Brenner, Gabriel Brooks, & Samuel Rumak
University of British Columbia

**Poster Session II, Poster #68**
EFFECT OF A UNILATERAL MASSAGE ON FRONTAL EEG AND POSITIVE / NEGATIVE AFFECT IN A PILOT STUDY
Clemens H.W. Janssen, Kay-Uwe Hanusch, and John J.B. Allen
1University of Arizona, 2University of Applied Sciences, Hochschule Fresenius

**Poster Session III, Poster #75**
ORIENTATION-DEPENDENT FIGURE-GROUND SEGREGATION IN HUMAN PRIMARY VISUAL CORTEX: AN EVENT-RELATED POTENTIAL STUDY
Jian Chen & Shimin Fu
Tsinghua University

**Poster Session III, Poster #79**
INHIBITION-INDUCED PLASTICITY AND ITS MODULATION IN TINNITUS PATIENTS
Alwina Stein, Alva Engell, Robert Wunderlich, Pia Lau, Andreas Wollbrink, Markus Junghöfer, and Christo Pantev
Institute for Biomagnetism and Biosignalanalysis

**Speaker Change:**
Riet Fonteyne is unable to present during Symposium 6-1: RECOVERY OF CONTEXTUAL DEPENDENT FEAR-POTENTIATED STARTLE RESPONDING: AN EXPERIMENTAL INVESTIGATION OF RELAPSE OF ANXIETY. Christopher Patrick will provide an extended discussion instead.