Student Social Location

All students are invited to attend the Student Social scheduled on Friday, October 19 starting at 10:00 p.m. It will be located within walking distance of the Hyatt Regency Hotel at:

The Chart House
202 West Bay Street
Savannah, Georgia

Business Meeting and Luncheon

If you registered for the Business Meeting and Luncheon, there will be a separate ticket in your badge envelope. You will be asked to present this ticket at the Business Meeting Luncheon.

If you are a vegetarian, please alert your waiter or waitress so that they can bring you an appropriate meal.

Refreshment Breaks

The refreshment breaks each day will be held in the tabletop exhibit area on the Mezzanine Level of the Hyatt Regency Hotel.

Poster Session Changes

Poster Session I

RELOCATED

The following poster presentation has been changed to Poster Session I on Thursday, October 18:

Poster #1
DO HIGH IMPEDANCE ERP RECORDING SYSTEMS REALLY SAVE TIME?
Emily S. Kappenman & Steven J. Luck
University of California-Davis

Poster Session I

REVISED AUTHOR ORDER

Poster #24
TRAIT FEAR AND FEARLESSNESS: UTILIZING ERP TO INVESTIGATE INDIVIDUAL DIFFERENCES IN AFFECTIVE PROCESSING
1University of Minnesota, 2University of Toronto

Poster Session I

RELOCATED

The following poster presentation has been changed to Poster Session I on Thursday, October 18:

Poster #42
FUNCTIONAL BRAIN RESPONSES DURING FEAR CONDITIONING ARE CORRELATED WITH THE EXTENT OF DISOCIATIVE SYMPTOMS: A RISK FACTOR FOR POSTTRAUMATIC STRESS DISORDER?
Simone Lang, Beate Herbert, Stephanie Ridder, Slawomira Lipinski, & Herta Flor
University of Heidelberg

Poster #42

RESPIRATORY SINUS ARRHYTHMIA PREDICTS MOOD IN THIRD TRIMESTER IN ANXIOUS PREGNANT WOMEN
Andrea S. Chambers & John J.B. Allen
University of Arizona

Poster #113

COMPARING EFFECTS OF PHYSIOLOGICAL STRESS AND PSYCHOLOGICAL STRESS ON WOUND HEALING IN RATS
Mir Ali Khatibi Tabatabaei', Elham Dianati Ajibishe', & Abbas Haghparast'
1Tehran-Oxford Neurodevelopmental Center, 2Arkansas Children’s Nutrition Center, 3Iran Neuroscience Research Center

Continued on page 2
Major Depressive Disorder (MDD) is associated with impairments in action monitoring. The role of the anterior cingulate cortex (ACC) and prefrontal cortex (PFC) in both depression and post-error behavioral adjustments has been repeatedly emphasized. This study examines the relationship between the neural correlates of action monitoring and MDD.

During high density ERP recordings a Stroop task was presented to MDD (n=20) and control participants (n=20). The error-related negativity (ERN) and error-positivity components (Pe) were analyzed. Functional connectivity analyses were conducted between group differences at the point of the ERN and the early and late Pe. Participants with MDD displayed increased ERN amplitude and increased current density in the rostral ACC (rACC)/medial PFC (BA 10/32; 80ms post-error). Functional connectivity analyses revealed group differences within this rACC/medial PFC cluster; and a left dorsal lateral PFC (DLPFC) cluster (BA 8/9) at the late Pe (472ms post-error). This effect was driven by a positive correlation between the current density in the rACC/medial PFC and in the left DLPFC post-error for the comparison group, while MDD participants showed a negative correlational trend. These data provide support for the role of the rACC/medial PFC in the recruitment of the DLPFC following error commission. Further, MDD is associated with decreased post-error accuracy, increased ERN amplitude, and disrupted rACC/medial PFC and DLPFC connectivity following errors, providing evidence of a dysregulated action monitoring system in this population.

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