



Annual Meeting October 25-29, 2006 • Hyatt Regency Hotel  
Vancouver • British Columbia • Canada

## PROGRAM ADDENDUM

Please make note of the following additions and changes to the SPR program.

### International Students Luncheon

Meet international students and develop your network of future colleagues around the world at the International Students Luncheon. Meet at the Rugby Beach Club Grille (#201 - 950 West Broadway, Vancouver) on Friday, October 27 from 11:30 a.m.-1:00 p.m. All students, international or otherwise, welcome!

### Special Interest Lunches and Dinners

Join your colleagues at a special interest lunch or dinner. Additional events will be posted on the Announcements Board at the Vancouver conference.

- Women in Psychophysiology Specialty Interest Luncheon  
*Hosted by Denise Sloan and Chris Larson*

Thursday, October 26, 2006  
11:30 a.m.-1:00 p.m.

*Contact: Denise Sloan at dsloan@temple.edu*

- Sleep Psychophysiology Special Interest Dinner  
*Hosted by Steve Woodward*

Friday, October 27, 2006  
6:30 p.m.

*Contact: Steve Woodward at steve.woodward@va.gov*

### Education and Training Committee Roundtable Discussions

Thursday, October 26, 2006  
11:30 a.m.-1:00 p.m.  
Brighton Room (34th floor).

The roundtable discussion entitled, "Genes, Brain and Behavior" scheduled for the Brighton Room, has been cancelled. In its place will be the following roundtable discussion:

Clinical Applications of Neuroimaging and Psychophysiology  
*Chair: Julie Hall*

*Please RSVP directly to Julie Hall at halljl@umich.edu if you plan to attend this new ETC discussion session.*

### Saturday Night Social

The location of the Saturday Night Social has been changed from Perspectives to the Regency Ballroom A. Please make a note of this change on your schedule.

### Poster Presentation Changes

The following posters have been moved from Poster Session III on Saturday to Poster Session I on Thursday. The original poster numbers were 50 & 17, respectively. The new poster numbers are below.

#### Poster #73

PERCEPTUAL FLUENCY SPEEDS UP AFFECTIVE MODULATION OF ERPS

*Vera Ferrari<sup>1</sup>, Maurizio Codispoti<sup>2</sup>, Margaret M. Bradley<sup>1</sup>, & Peter J. Lang<sup>1</sup>*

<sup>1</sup>University of Florida, <sup>2</sup>University of Bologna

#### Poster #120

ERP GENERATOR PATTERNS IN SCHIZOPHRENIA DURING TONAL AND PHONETIC ODDBALL TASKS: EFFECTS OF RESPONSE HAND AND SILENT COUNT

*Jürgen Kayser, Craig E. Tenke, Carlye B. Griggs, Nathan A. Gates, Chris J. Kroppmann, Roberto B. Gil, and Gerard E. Bruder, New York State Psychiatric Institute*

The following three posters have been moved from Poster Session III on Saturday to Poster Session II on Friday. Their original poster numbers in Session III were 126, 127 and 128. Their new poster numbers are below.

#### Poster #142

EXAMINING THE FEEDBACK ERROR-RELATED NEGATIVITY USING PREDICTIVE STIMULI

*Robert Baker, Olav E. Krigolson, and Clay B. Holroyd, University of Victoria*

#### Poster #143

HIERARCHICAL ERROR PROCESSING DURING MOTOR CONTROL

*Olav E. Krigolson, and Clay B. Holroyd, University of Victoria*

#### Poster #144

THE ROLE OF MEDIAL-FRONTAL CORTEX IN SEQUENCE LEARNING

*Olav E. Krigolson, Kyle Mathewson, Travis Baker, Rob Baker, and Clay B. Holroyd, University of Victoria*

## Poster Presentation Additions

The following poster has been added to Poster Session III on Saturday.

### Poster Session: III

#### Poster Number #12

CPAP vs AUTO-CPAP TREATMENT OF SEVERE OSAS: PHYSIOLOGICAL, COGNITIVE AND AFFECTIVE ASSESSMENT

*S. Sarasso, C. Castellani, S. Scozzari, Tona G. De Min, & L. Stegagno, University of Padova*

The Obstructive Sleep Apnea Syndrome (OSAS) is associated with daytime sleepiness and a wide-ranging cognitive impairment.

The aim of this study was to evaluate the therapeutic efficacy of Auto-CPAP (Continuous Positive Airway Pressure) device in comparison with conventional CPAP on physiological sleep parameters, affective and cognitive functions. Two different periods of treatment were considered: short (15 days) vs long (2 months). All patients underwent nocturnal polysomnography (EEG, EOG, EMG, EKG, Airflow, Respiratory Effort, O<sub>2</sub> Saturation), neuropsychological evaluation, affective assessment and Multiple Sleep Latency Test -MSLT- (physiological assessment of daytime somnolence) in baseline condition and in the two follow-up treatment sessions. We used Attentive Matrices as a vigilance measure and Supraspan Verbal Learning Test as a memory measure. Furthermore, we used Beck Depression Inventory (BDI), State-Trait Anxiety Inventory (STAI-Y1, Y2) and State-Trait Anger Expression Inventory-2 (STAXI-2) as affective measures.

Data were analyzed with a mixed ANOVA on 14 patients (7 in CPAP and 7 in Auto-CPAP group). Both treatments showed a significant effect for all physiological sleep parameters and cognitive measures, except for Attentive Matrices. For the affective measures, only BDI scores showed an improvement after treatment. It seems also clear that the treatment is effective already after 15 days and it does not further improve in the longer period.

In conclusion, Auto-CPAP seems to be as effective as CPAP titrated on patients need even on a short period of treatment.

## Withdrawal of Authorship

Dr. Hernandez of the Navy Medical Research Institute and Uniformed Services University of the Health Sciences has withdrawn her authorship from the following two posters:

### Poster Session I

#### Poster #38

BRAIN FINGERPRINTING IN FIELD CONDITIONS

*Lawrence A. Farwell and Drew C. Richardson*

### Poster Session III

#### Poster #32

BRAIN FINGERPRINTING IN LABORATORY CONDITIONS

*Lawrence A. Farwell and Drew C. Richardson*

## Poster Presentation Withdrawals

The following poster presentations have been withdrawn from the SPR program:

## Thursday, October 26

### Poster Session I

#### Poster #73

DISRUPTION OF AUDITORY AND VISUAL ATTENTION IN SCHIZOPHRENIA

*Susan M. Wood<sup>1</sup>, Geoffrey F. Potts<sup>1</sup>, Laura E. Martin<sup>1</sup>, Delia Kothmann<sup>1</sup>, Jennie F. Hall<sup>2</sup>, and Jocelyn B. Ulanday<sup>2</sup>  
<sup>1</sup>Rice University, <sup>2</sup>Michael E. DeBakey VAMC*

### Poster Session I

#### Poster #120

ANTICIPATING ANIMACY? AN EVENT-RELATED BRAIN POTENTIALS STUDY OF GRAMMATIC AND SEMANTIC INTEGRATION IN POLISH SENTENCE READING

*Jakub Szewczyk, Jagiellonian University*

## Friday, October 27

### Poster Session: II

#### Poster Number #16

EVENT-RELATED POTENTIALS TO EMOTIONAL FACIAL EXPRESSIONS IN CHILDREN WITH AUTISM

*Teresa K.W. Wong, Peter C.W. Fung, Grainne M. McAlonan, and Siew E. Chua, University of Hong Kong*

## Saturday, October 28

### Poster Session: III

#### Poster Number #12

EMOTIONAL STRESS, GENDER, AND AGE EFFECTS ON FACIAL SKIN POTENTIAL DISTRIBUTION

*Volodymyr B. Bogdanov, Dmytro S. Gorlov, & Yuriy P. Gorgo, Taras Shevchenko National University of Kyiv*

### Poster Session III

#### Poster #23

ERPS ELICITED BY AFFECTIVE PICTURES: EARLY ANTERIOR SENSITIVITY TO EROTIC CONTENT

*Andrey P. Anokhin, and Simon Golosheykin, Washington University*

### Poster Session III

#### Poster #75

ASSESSMENT OF FATIGUE BY ERP ASSOCIATED WITH OFFSET OF SACCADIC EYE MOVEMENTS

*Yagi A.Y. Akihiro<sup>1</sup>, Fujimoto K.F. Kiyosh<sup>2</sup>, Fukui D.F. Daisaku<sup>1</sup>, and Nakanishi S.N. Seiji<sup>1</sup>*

*<sup>1</sup>Integrated Psychological Science, <sup>2</sup>Applied Psychological Science*

### Poster Session III

#### Poster #130

SENSORY PROCESSING, PHYSIOLOGICAL REACTIVITY AND ADAPTIVE BEHAVIOR IN AUTISM

*Roseann C. Schaaf<sup>1</sup>, Teal Benevides<sup>1</sup>, Lucy Jane Miller<sup>2</sup>, Sarah Shoen<sup>2</sup>, Barbara Brett-Green<sup>2</sup>, L. Diane Parham<sup>3</sup>, and Teresa May-Benson<sup>4,5</sup>*

*<sup>1</sup>Thomas Jefferson University, <sup>2</sup>Sensory Treatment and Research Center, <sup>3</sup>University of Southern California, <sup>4</sup>Spiral Foundation, <sup>5</sup>Occupational Therapy Associates*

## Daylight Savings Time

Just a reminder that Sunday, October 29 ends daylight savings time.