



# Society for Psychophysiological Research

## 2004 Annual Meeting Program

October 20-24, 2004 ♦ Santa Fe, New Mexico

### Wednesday, October 20, 2004

12:00 noon-5:30 p.m. . . . . Stiha Room, LaFonda Hotel  
**SPR Board of Directors Meeting**

4:00 p.m.-8:00 p.m. . . . . Santa Fe Room, LaFonda Hotel  
**Registration**

5:30 p.m.-8:00 p.m. . . . . LaTerraza Room, LaFonda Hotel  
**Opening Reception**

### Thursday, October 21, 2004

7:30 a.m.-4:00 p.m. . . . . Santa Fe Room, LaFonda Hotel  
**Registration**

8:00 a.m.-3:00 p.m. . . . . Mezzanine Level, LaFonda Hotel  
**Exhibits Open**

8:30 a.m.-9:30 a.m. . . . . Lumpkins Ballroom, LaFonda Hotel  
**Invited Address**  
**From Molecules to Mind: Stress, the Individual and the Social Environment**  
*Bruce S. McEwen, Rockefeller University*

9:30 a.m.-10:00 a.m. . . . . Exhibit Area, Mezzanine Level, LaFonda Hotel  
**Refreshment Break**

10:00 a.m.-11:30 a.m. . . . . Lumpkins Ballroom, LaFonda Hotel  
**Symposium #1**  
**Emotional Modulation of the Post-Auricular Reflex**  
*Chairs: Christopher J. Patrick and Stephen D. Benning, University of Minnesota-Twin Cities*

Differential Effects of Emotional Modulation on Post-Auricular and Orbicularis Indices of the Acoustic Startle Response  
*William P. Hetrick, Kathleen M. Ames, Nicole Prause, and Paul D. Kieffaber, Indiana University*

The Effects of Chronic Sertraline Administration on the Responsivity of the Post-Auricular Reflex During Affective Picture Stimuli in Healthy Subjects  
*Julian G. Simmons, Nicholas B. Allen, and Gregor Berger, University of Melbourne*

Emotional Post-Auricular Reflex Modulation in Community and Incarcerated Males  
*Edward M. Bernat, Christopher J. Patrick, Jason R. Hall, Benjamin V. Steffen, Noah C. Venables, and Stephen D. Benning, University of Minnesota-Twin Cities*

Post-Auricular Reflex Potentiation During Relief Stimuli in Differential Aversive Conditioning: A Construct Validation Study  
*Stephen D. Benning, Edward M. Bernat, Mark J. Starr, Jonathan G. Gewirtz, and Christopher J. Patrick, University of Minnesota-Twin Cities*

*Discussant: Steven A. Hackley, University of Missouri-Columbia*

10:00 a.m.-11:30 a.m. . . . . New Mexico Room, LaFonda Hotel  
**Symposium #2**

**Cortical Oscillatory Activity and Memory**  
*Chair: Jochen Kaiser, University of Tübingen*

A Theoretical Perspective on Memory Encoding and Retrieval  
*Marc Howard, Syracuse University*

Hippocampal and Cortical Oscillations During Encoding Predict Subsequent Memory  
*Per B. Sederberg, Brandeis University; Andreas Schulze-Bonhage, Neurozentrum, University of Freiburg; Joseph R. Madsen, Harvard Medical School; Edward B. Bromfield, Brigham and Women's Hospital; Armin Brandt, Neurozentrum, University of Freiburg; and Michael J. Kahana, Brandeis University*

Large-Scale Induced Gamma Oscillations are Linked to Various Memory Phenomena in the Human EEG  
*Thomas Gruber, University of Leipzig*

The Role of Gamma Oscillations in Working Memory  
*Ole Jensen, Donders Centre for Cognitive Neuroimaging*

Gamma-Band Activity in Magnetoencephalogram and the Dynamics of Auditory Memory  
*Jochen Kaiser, University of Tübingen*

10:00 a.m.-11:30 a.m. . . . . LaTerraza Room, LaFonda Hotel  
**Symposium #3**

**Neural Mechanisms for the Regulation of Behavior**  
*Chairs: Tiffany A. Ito, University of Colorado and Bruce D. Bartholow, University of North Carolina at Chapel Hill*

Control of Attention in Racial Stereotyping: A Response Conflict Account of Priming Effects  
*Bruce D. Bartholow and Cheryl L. Dickter, University of North Carolina at Chapel Hill*

Racial Stereotypes and Behavior: Using ERPS to Understand the Police Officer's Dilemma  
*Tiffany A. Ito, Joshua Correll, and Geoffrey R. Urland, University of Colorado*

Left Frontal Cortical Activity, Decisional Commitment, and Attitude Change

*Eddie Harmon-Jones, University of Wisconsin-Madison*

The Role of Conflict-Detection in the Regulation of Race-Biased Behavior

*David M. Amodio, University of California, Los Angeles*

11:30 a.m.-1:00 p.m.

**Lunch Break** (on your own)

1:00 p.m.-2:30 p.m. . . . . Lumpkins Ballroom, LaFonda Hotel

**Symposium #4**

**Affect, Attention, and the Stimulus-Preceding Negativity**

*Chair: Steven A. Hackley, University of Missouri, Columbia*

The Stimulus-Preceding Negativity and its Subcomponents

*C.H.M. Brunia and Geert J.M. van Boxtel, Tilburg University*

Stimulus-Preceding Negativities as Manifestations of Affect and Attention

*Koen B.E. Bocker, Johanna M.P. Baas, Utrecht University; Geert J.M. van Boxtel, Tilburg University; and J. Leon Kenemans, Utrecht University*

The Effect of Reward and Punishment on the Stimulus-Preceding Negativity (SPN): fMRI And ERP Studies

*Yasunori Kotani, Yoshimi Ohgami, Tokyo Institute of Technology; Tetsuji Tsukamoto, Tokyo Metropolitan University; Kazufumi Omura, Yusuke Inoue, The University of Tokyo; Minoru Nakayama, Tokyo Institute of Technology; and Yasutsugu Aihara, Tokyo Metropolitan University*

Anticipation of Rewards and Penalties is Impaired in Parkinson's Disease

*Steven A. Hackley, Sam Mattox, University of Missouri, Columbia; and Fernando Valle-Inclan, University of La Coruna*

*Discussant: C.H.M. Brunia, Tilburg University*

1:00 p.m.-2:30 p.m. . . . . New Mexico Room, LaFonda Hotel

**Symposium #5**

**Cardiovascular Correlates of Posttraumatic Stress Disorder: Mechanisms, Treatment, and Beyond**

*Chair: Deane E. Aikins, Veterans Affairs West Haven HCS and National Center for PTSD*

Baseline Heart Rate in Posttraumatic Stress Disorder: What is it Telling Us?

*Steven H. Woodward, Veterans Affairs Palo Alto HCS and National Center for PTSD and Danny G. Kaloupek, Veterans Affairs New England HCS and National Center for PTSD*

Phasic Heart Period Reactions to Cued Affective Stimuli in Combat-Related Posttraumatic Stress Disorder

*Deane E. Aikins, Veterans Affairs West Haven HCS and National Center for PTSD; Jessica L. Borelli, Yale University; and Aaron Baker, Fairfield University*

Auditory Startle Modification Following Treatment for Posttraumatic Stress Disorder

*Michael G. Griffin, University of Missouri-St. Louis and Center for Trauma Recovery and Patricia A. Resick, Veterans Affairs New England HCS and National Center for PTSD*

Prospective Investigations Assessing Stress Hardiness and Stress Vulnerability: Heart Rate Variability in Special Operations Personnel Exposed to Highly Intense Stress

*C.A. Morgan III, Veterans Affairs West Haven HCS and National Center for PTSD; Gary Hazlett, 1st SWTG, JFK SWC, Fort Bragg; Anthony Doran, Fleet Special Operations Training Group Atlantic, Brunswick Naval Air Station; William Gambino, USA Special Operations Command; Deane E. Aikins, Veterans Affairs West Haven HCS and National Center for PTSD; and George Steffian, Fleet Special Operations Training Group Atlantic, Brunswick Naval Air Station*

*Discussant: Bruce N. Cuthbert, National Institute of Mental Health*

1:00 p.m.-2:30 p.m. . . . . LaTerazza Room, LaFonda Hotel

**Symposium #6**

**Pupil Dilation, Psychopathology and Development**

*Chair: Stuart R. Steinhauer, VA Pittsburgh Healthcare System*

Pupillary Indices of Cognitive Function in Youth-Onset Schizophrenia-Spectrum Disorders and ADHD

*Canan Karatekin and Tonya White, University of Minnesota*

Pupillary Responses to Both Task Relevant and Irrelevant Information Reflect General Cognitive Ability

*Steven P. Verney, University of New Mexico; Eric Granholm, VA San Diego Healthcare System; Dimitri Perivoliotis, San Diego State University/UCSD; and Tamie Muira, University of California, San Diego*

Working Hard When Feeling Bad: Pupil Dilation Indexes Resource Allocation During Effortful Regulation of Negative Affect

*Heather L. Urry, Carien M. van Reekum, Lawrence L. Greischar, Marchell E. Thurow, and Richard J. Davidson, University of Wisconsin-Madison*

Pupillary Responses on the Span of Apprehension Task in Older Patients With Schizophrenia: A Replication and Extension

*Dimitri Perivoliotis, San Diego State University/UCSD; Eric Granholm, VA San Diego Healthcare System; and Tamie Miura, University of California, San Diego*

Sustained Pupil Dilation to Emotional Information in Depression: Developmental and Mechanistic Considerations

*Greg J. Siegle, Jennifer Silk, Erica Forbes, University of Pittsburgh; Stuart R. Steinhauer, VA Pittsburgh Healthcare System; Ronald Dahl, University of Pittsburgh; Cameron S. Carter, University of California, Davis; and Michael E. Thase, University of Pittsburgh*

2:00 p.m.-8:00 p.m. . . Main Floor, Sweeney Convention Center  
**Poster Presentation Viewing**

Poster presentations in Poster Session I will now be available for viewing on the Main Floor at the Sweeney Convention Center. Authors will be present to discuss their posters from 8:00 p.m.-10:00 p.m.

2:30 p.m.-3:00 p.m. . . . . Exhibit Area, Mezzanine Level,  
**Refreshment Break** LaFonda Hotel

3:00 p.m.-4:30 p.m. . . . . Lumpkins Ballroom, LaFonda Hotel  
**Symposium #7**

**Program Chair's Symposium**  
**Developmental Psychophysiology: Temperamental and Parental Contributions to the Development of Emotion Regulation and Internalizing and Externalizing Psychopathology**

*Chair: Mark W. Miller, Boston University & Boston VA Medical Center, National Center for PTSD*

Models of Attachment and Mother-Infant ANS Arousal: Implications for the Developing Self-Regulation Capacities  
*Jennifer C. Ablow, University of Oregon; Amy K. Marks, Brown University; S. Shirley Feldman and Lynne C. Huffman, Stanford University*

Maternal Depression, Child Frontal EEG Asymmetry, and Mother-Child Affective Behavior as Factors in Child Behavior Problems  
*Erika E. Forbes, Daniel S. Shaw, Nathan A. Fox, Jeffrey F. Cohn, and Jennifer S. Silk, University of Pittsburgh*

BAS Motivation, Affect Regulation, and Externalizing Psychopathology: Three Studies Spanning Preschool to Adolescence  
*Theodore P. Beauchaine, University of Washington*

ERP Indices of Emotion Regulation in Antisocial Children  
*Jim Stieben, Marc D. Lewis, University of Toronto; Isabela Granic, Hospital for Sick Children; Connie Lamm, University of Toronto; and Philip D. Zelazo, University of Toronto*

Age Effects on Associations Between Child Temperament and Cortical Indices of Emotion Regulation  
*Marc D. Lewis, Connie Lamm, Jim Stieben, and Philip D. Zelazo, University of Toronto*

3:00 p.m.-4:30 p.m. . . . . New Mexico Room, LaFonda Hotel  
**Symposium #8**

**Electrophysiological Studies of Lateralized Semantic Processing**

*Chair: Joseph Dien, University of Kansas, Lawrence*

Laterality, Meaning, and Emotion: Effects of Anxious Arousal in Automatic Semantic Priming  
*Gwen A. Frishkoff and Don M. Tucker, University of Oregon, Eugene*

Hemispheric Differences in the Timecourse of Verbal Memory  
*Kara D. Federmeier and Karen M. Evans, University of Illinois, Urbana-Champaign*

When Cowboys Have Sore Calves: Hemispheric Asymmetry and Pun Comprehension

*Seana Coulson, University of California, San Diego*

Combined ERP and FMRI Examination of Lateralized Processing of Semantic Expectancy and Meaningfulness  
*Joseph Dien, University of Kansas, Lawrence; Michael S. Franklin, University of Michigan; Charles A. Michelon, University of Texas; Lisa C. Lemen, Louisiana State University Medical Center; Christy L. Adams and Lauren D. Waterson, University of Kansas*

*Discussant: Don M. Tucker, University of Oregon, Eugene*

3:00 p.m.-4:30 p.m. . . . . LaTerazza Room, LaFonda Hotel  
**Symposium #9**

**Social Psychophysiology: The Contribution of Psychophysiological Measures to the Understanding of Social Processes**

*Chair: Ursula Hess, University of Quebec, Montreal and The Scripps Research Institute*

Somatic Cues of Social Bias: Introducing a New Psychophysiological Model of Prejudice  
*Eric J. Vanman, Georgia State University*

Using Social Psychological Methods to Induce Anger With Pictures: Implications for EEG Asymmetry and Startle Eyeblick Research  
*Eddie Harmon-Jones, University of Wisconsin-Madison*

Intra- and Interpersonal Determinants and Consequences of Facial Activation  
*Arvid Kappas, International University Bremen*

Expressing Emotions in Dyads: Social Context and Gender Influences  
*Ursula Hess, University of Quebec, Montreal and The Scripps Research Institute*

P3a and P3b From Affective Stimuli: Gender and Laterality  
*John Polich, The Scripps Research Institute*

*Discussant: Craig A. Smith, Vanderbilt University*

4:30 p.m.-4:45 p.m.

**Break**

4:45 p.m.-5:45 p.m. . . . . Lumpkins Ballroom, LaFonda Hotel  
**Invited Address**

**Cortisol-Brain Interactions in Emotions and Cognition**

*William R. Lovallo, University of Oklahoma Health Sciences Center & Oklahoma City VA Medical Center*

5:45 p.m.-8:00 p.m.

**Dinner Break** (on your own)

6:00 p.m.-8:00 p.m. . . . . LaTerraza Room, LaFonda Hotel  
**Early Careers Conversation Hour**

*(Pre-registration will be required for the Early Career Conversation hour and information will be posted on the SPR website)*

8:00 p.m.-10:00 p.m. . . Main Floor, Sweeney Convention Center  
**Poster Session I**

## **Friday, October 22, 2004**

8:00 a.m.-3:00 p.m. . . . . Mezzanine Level, LaFonda Hotel  
**Exhibits Open**

8:00 a.m.-4:00 p.m. . . . . Santa Fe Room, LaFonda Hotel  
**Registration**

8:30 a.m.-9:30 a.m. . . . . Lumpkins Ballroom, LaFonda Hotel  
**Invited Address**

### **Neuroimaging and Schizophrenia: What Have We Learned?**

*Nancy C. Andreasen, University of Iowa*

9:30 a.m.-10:00 a.m. . . . . Exhibit Area, Mezzanine Level,  
**Refreshment Break** LaFonda Hotel

10:00 a.m.-11:30 a.m. . . . Lumpkins Ballroom, LaFonda Hotel  
**Symposium #10**

### **Affect-Ing Cognition: Emerging Views of the Influence of Emotion on Core Cognitive Processes**

*Chairs: Marta Kutas, University of California, San Diego and Kara Federmeier, University of Illinois, Urbana-Champaign*

Affective Modulation of Perceptual and Cognitive Processes in Picture Viewing

*Margaret M. Bradley, Andreas Low, and Peter J. Lang, University of Florida*

Attention in Perception of Emotional Information

*Howard C. Nusbaum, Catherine J. Norris, and John T. Cacioppo, The University of Chicago*

Effects of Emotion on Attention and Executive Function

*Aprajita Mohanty, John D. Herrington, Anna S. Engels, Nancy S. Koven, Joscelyn E. Fisher, Jennifer L. Stewart, Rebecca L. Levin, Sarah Sass, Edgar J. Christopher, Moon-ho Ringo Ho, Andrew G. Webb, University of Illinois, Urbana-Champaign; Marie T. Banich, University of Colorado, Boulder; Gregory A. Miller and Wendy Heller, University of Illinois, Urbana-Champaign*

Mood and Meaning: Influences of Positive Valence on Semantic Memory

*Kara D. Federmeier, University of Illinois, Urbana-Champaign; Eva M. Moreno, Michael Kiang, Kim Sweeney Wolanyk, and Marta Kutas, University of California, San Diego*

10:00 a.m.-11:30 a.m. . . . . New Mexico Room, LaFonda Hotel  
**Symposium #11**

### **Event-Related Brain Activity and the Appraisal of Negative Feedback**

*Chair: Greg Hajcak, University of Delaware*

Reinforcement Learning and the Feedback ERN

*Clay Holroyd, University of Victoria*

ERP Correlates of Feedback and Reward Processing in Anterior Cingulate Cortex

*Nick Yeung, Princeton University*

What is a Bad Outcome: The Effect of Value and Experimental Context on the Feedback Negativity  
*Greg Hajcak, University of Delaware; Clay Holroyd, University of Victoria; Jason S. Moser and Robert F. Simons, University of Delaware*

The Effects of Feedback Magnitude and Valence on the P300

*Jason S. Moser, Greg Hajcak, University of Delaware; Clay Holroyd, University of Victoria; and Robert F. Simons, University of Delaware*

The Processing of Negative Events in the Medial-Frontal Cortex

*William J. Gehring, Adrian R. Willoughby, and Richard Gonzalez, University of Michigan*

10:00 a.m.-11:30 a.m. . . . . LaTerazza Room, LaFonda Hotel  
**Panel Discussion 1**

### **Engaging Interests of College and High School Students in Psychophysiology Research Through Investigative Laboratory Experiences**

*Chair: Howard I. Thorsheim, St. Olaf College*

Engaging Students in Psychophysiology: Overview of a National Science Foundation Project

*Howard I. Thorsheim, St. Olaf College*

Engaging College Students in Psychophysiology: A National Perspective on the Teaching of Psychophysiology

*Louis G. Tassinary, Texas A & M*

Engaging High School Students in Psychophysiology: A National Perspective

*Charles Blair-Broeker, Cedar Falls High School*

Engaging High School Students in Psychophysiology: Perspectives From a College-Student Mentor

*Michael C. Mensink, Macalester College*

11:30 a.m.-1:00 p.m.

**Lunch Break** (on your own)

1:00 p.m.-2:30 p.m. . Lumpkins Ballroom North, LaFonda Hotel  
**Symposium #12**

### **Converging Electrophysiological and Hemodynamic Findings in Emotional Stimulus Processing**

*Chairs: Dean Sabatinelli, University of Florida and Markus Junghoefer, University of Konstanz*

The Role of Awareness in Emotional Stimulus Processing

*Stefan Wiens, Stockholm University and Karolinska Institute and Arne Ohman, Karolinska Institute*

Affective Orienting and Anterior Brain Responses: Emotional Modulation Across Differing Levels of Attentional Control

*Edward M. Bernat, Meredith Cadwallader, Benjamin Steffen, Jason Hall, Noah Venables, and Christopher J. Patrick, University of Minnesota*

Functional Correlates of Emotional Imagery

*Dean Sabatinelli, University of Florida; Tobias Flaisch, University of Konstanz; Francesco Versace, Margaret M. Bradley, and Peter J. Lang, University of Florida*

Rapid Serial Visual Presentation in Studies on Early Motivated Attention: An Overview  
*Markus Junghoefer, Peter Peyk, Johanna Kissler, Cornelia Herbert, Tobias Fleisch, Jessica Stockburger, and Harald Schupp, University of Konstanz*

Processing Emotional Words: Insights From EEG and FMRI Studies  
*Johanna Kissler, Cornelia Herbert, Markus Junghoefer, Peter Peyk, University of Konstanz; Dirk Wildgruber, Thomas Ethofer, and Wolfgang Grodd, University of Tübingen*

1:00 p.m.-2:30 p.m. . Lumpkins Ballroom South, LaFonda Hotel  
**Panel Discussion 2**

**An Introduction to Grant Funding Mechanisms for Junior (and not-So-Junior) Investigators**

*Chair: Rebecca J. Houston, University of Buffalo*

An Overview of NIH Grant Mechanisms  
*Bruce N. Cuthbert, National Institute of Mental Health*

Moving From Excellent (2.0) to Outstanding (1.0)  
*Judith M. Ford, Yale University School of Medicine*

NIH Review of Grant Applications  
*Michael J. Kozak, National Institute of Mental Health*

Tips on Writing Applications for Fellowships and Career Development Awards  
*Peter J. Gianaros, University of Pittsburgh School of Medicine*

*Discussants: Alfons O. Hamm, University of Greifswald and Eric R. Muth, Clemson University*

1:00 p.m.-2:30 p.m. . . . . New Mexico Room, LaFonda Hotel  
**Symposium #13**

**Exercise, Aging, and Neurocognitive Function**

*Chair: Charles H. Hillman, University of Illinois*

A Brief Overview of the Effects of Aging on Neurocognitive Function  
*David Friedman, Columbia University*

ERP Indices of Physical Activity Effects on Cognitive Function  
*Charles H. Hillman, University of Illinois*

Cardiovascular Fitness Training and Changes in Brain Volume as Measured by Voxel-Based Morphometry  
*Stan Colcombe, Arthur F. Kramer, Edward McAuley, Kirk Erickson, and Paige Scaif, University of Illinois*

Effects of Cardiopulmonary Fitness on Neurovascular Coupling in Visual Cortex in Younger and Older Adults  
*Monica Fabiani, University of Illinois and National Institute on Aging; Carrie Brumback, Brian Gordon, Melanie Pearson, Yukie Lee, Arthur F. Kramer, Edward McAuley, and Gabriele Gratton, University of Illinois*

*Discussant: Molly Wagster, National Institute on Aging*

2:00 p.m.-5:00 p.m. . . . Main Floor, Sweeney Convention Center  
**Poster Presentation Viewing**

Poster presentations in Poster Session II will now be available for viewing on the Main Floor at the Sweeney Convention Center. Authors will be present to discuss their posters from 5:00 p.m.-7:00 p.m.

2:30 p.m.-3:00 p.m. . . . . Exhibit Area, Mezzanine Level,  
**Refreshment Break** LaFonda Hotel

3:00 p.m.-4:30 p.m. . Lumpkins Ballroom North, LaFonda Hotel  
**Symposium #14**

**From Motivated Attention to Action: Affective Modulation of Perception/Action Interactions**

*Chair: Andreas Keil, University of Konstanz*

Preparedness to Act on Fear-Relevant Stimuli  
*Anders Flykt, Mid Sweden University*

The Same and Yet Different: When is a Spider a Spider? Valence and Arousal Ratings, Reaction Times and ERPS in Response to Ambiguous Visual Stimuli in Spider Phobics  
*Frauke Musial, Iris T. Kolassa, Arlette Buchmann, Ralf H. Trippe, and Wolfgang H.R. Miltner, University of Jena*

Affective Modulation of Task Related Processing Resources  
*Jörg Meinhard, Olga Pollatos, and Reinhard Pekrun, University of Munich*

Affective Modulation of the Attentional Blink: Identification Facilitation Versus Task Interference  
*Andreas Keil, Margarita Stolarova, Niklas Ihssen, and Stephan Moratti, University of Konstanz*

3:00 p.m.-4:30 p.m. . Lumpkins Ballroom South, LaFonda Hotel  
**Symposium #15**

**Advances in Autonomic and Neuroendocrine Sexual Psychophysiology**

*Chair: Stuart Brody, University of Tübingen*

Blood Pressure Stress Reactivity is Less After Penile-Vaginal Intercourse Than After Other or No Sexual Activity  
*Stuart Brody, University of Tübingen*

Vaginal Photoplethysmography and Female Sexual Arousal Disorder  
*Lori A. Brotto, University of Washington*

Psychophysiology of Rapid Ejaculation  
*David L. Rowland, Valparaiso University*

Prolactin, Dopamine and Neuronal Circuits in Sexual Drive and Function: Peripheral and Central Mechanisms  
*Tillman H.C. Krüger and Uwe Hartmann, Medical School of Hannover; and Manfred Schedlowski, Swiss Federal Institute of Technology*

*Discussant: Niels Birbaumer, University of Tübingen*

3:00 p.m.-4:30 p.m. . . . . New Mexico Room, LaFonda Hotel

**Symposium #16**

**Baseline Startle Reflex Magnitude: Mechanisms, Individual Differences, and Association with Psychopathology**

*Chair: Nicholas B. Allen, University of Melbourne*

**Circadian Effects on the Human Startle Reflex**

*Mark W. Miller, Boston University & Boston VA Medical Center, National Center for PTSD and Claude Gronfier, INSERM Centre for Chronobiology*

**Physiological and Psychological Factors Affecting Baseline Startle Responses**

*Edward M. Ornitz, University of California, Los Angeles and Allison M. Waters, Griffith University*

**Personality Correlates of Baseline Startle Habituation**

*Steven D. LaRowe, Medical University of South Carolina; Christopher J. Patrick, University of Minnesota; John J. Curtin, University of Wisconsin; and John P. Kline, University of South Alabama*

**Inhibited Baseline Startle is Associated with Severity and Vulnerability to Depression**

*Laurie O'Brien-Simpson, Patricia DiParsia, and Nicholas B. Allen, University of Melbourne*

*Discussant: Larry W. Hawk, SUNY-Buffalo*

4:30 p.m.-5:00 p.m.

**Break**

*(time allocated to walk to the Sweeney Convention Center)*

5:00 p.m.-7:00 p.m. . . Main Floor, Sweeney Convention Center

**Poster Session II**

8:00 p.m.-12:00 midnight

**Student Social Event**

*(All students are invited to attend—location to be announced. See the program addendum at the meeting and the announcements board in the SPR Registration Area.)*

**Saturday, October 23, 2004**

8:00 a.m.-11:00 a.m. . . . . Mezzanine Level, LaFonda Hotel  
**Exhibits Open**

8:30 a.m.-4:00 p.m. . . . . Santa Fe Room, LaFonda Hotel  
**Registration**

8:30 a.m.-10:00 a.m. . . . . New Mexico Room, LaFonda Hotel  
**Symposium #17**

**The Psychophysiology of Emotion Regulation: Understanding How, When, and for Whom it Works**

*Chair: Iris B. Mauss, Stanford University*

**Neurovisceral Integration and Emotion Regulation: What the Heart is Saying About the Brain and Why We Should Listen**

*Julian F. Thayer, National Institute on Aging and Elisabeth Ruiz-Padial, University of Jaén*

**Blow Your Top or Bite Your Tongue: Automatic Emotion Regulation and Anger**

*Iris B. Mauss and James J. Gross, Stanford University*

**Expressive Writing and the Regulation of Emotion Over Time**

*James W. Pennebaker, University of Texas, Austin*

**Up- and Down-Regulating Negative Emotional Expressions: Behavioral, Affective, and Autonomic Consequences**

*Heath A. Demaree, Brandon J. Schmeichel, Jennifer L. Robinson, Jie Pu, Case Western Reserve University; and D. Erik Everhart, East Carolina University*

*Discussant: Robert W. Levenson, University of California, Berkeley*

8:30 a.m.-10:00 a.m. . . . . LaTerraza Room, LaFonda Hotel

**Symposium #18**

**Not All are Equal in the Eyes of Affective Startle Modulation**

*Chair: Bruce N. Cuthbert, National Institute of Mental Health*

**Psychopathy, Trait Fearlessness, and Startle Potentiation**

*Christopher J. Patrick, Stephen D. Benning, University of Minnesota; and Margaret M. Bradley, University of Florida*

**Sensation Seeking and the Aversive Motivational System**

*Shmuel Lissek, National Institute of Mental Health; Johanna M.P. Baas, Utrecht University; Daniel S. Pine, Kaebah S. Orme, Sharone R. Dvir, Emily Rosenberger, and Christian Grillon, National Institute of Mental Health*

**Affective Startle Modulation and the Anxiety Disorders**

*Lis McTeague, Marie-Claude Laplante, Greg Perlman, Cyd Strauss, and Peter J. Lang, University of Florida*

**Affective Modulation of the Startle Response in Depression: Influence of the Severity of Depression, Anhedonia and Anxiety**

*Veena Kumari, Institute of Psychiatry; Hossein Kaviani, Institute of Psychiatry and Tehran University of Medical Sciences; Jeffrey Gray, Stuart Checkley, Institute of Psychiatry; Peter W. Raven, University College London; and Glenn Wilson, Institute of Psychiatry*

*Discussant: Bruce N. Cuthbert, National Institute of Mental Health*

10:00 a.m.-10:30 a.m. . . . . Exhibit Area, Mezzanine Level, LaFonda Hotel  
**Refreshment Break**

10:30 a.m.-11:00 a.m. . . . Lumpkins Ballroom, LaFonda Hotel  
**Award for Distinguished Early Career Contribution to Psychophysiology**

**Concordance and Discordance in the Three-Systems Model of Emotion: Theoretical Considerations and Clinical Implications**

*Frank Wilhelm, University of Basel*

11:00 a.m.-12:00 noon . . . Lumpkins Ballroom, LaFonda Hotel  
**Presidential Address**

**Brain Motivational Systems: Toward 'Standard Models' for Co-occurring Anxiety and Mood Disorders**

*Bruce N. Cuthbert, National Institute of Mental Health*

12:15 p.m.-2:15 p.m. . . . . Lumpkins Ballroom, LaFonda Hotel

**Luncheon and General Business Meeting**

*Chair: Bruce N. Cuthbert, SPR President*

*(luncheon tickets will be collected at each table)*

**Tursky Award for Outstanding Student Poster Presentation**

*Chair: Margaret M. Bradley, University of Florida*

2:15 p.m.-7:00 p.m.

**Free time for attendees**

2:15 p.m.-7:00 p.m. . . Main Floor, Sweeney Convention Center

**Poster Presentation Viewing**

Poster presentations in Poster Session III will now be available for viewing on the Main Floor at the Sweeney Convention Center. Authors will be present to discuss their posters from 7:00 p.m.-9:00 p.m.

7:00 p.m.-9:00 p.m. . . Main Floor, Sweeney Convention Center

**Poster Session III**

9:00 p.m.-12:00 midnight

**Saturday Night Social**

*(All registrants are invited to attend — location to be announced)*

**Sunday, October 24, 2004**

8:00 a.m.-10:00 a.m. . . . . LaTerazza Room, LaFonda Hotel

**Farewell Breakfast**

8:00 a.m.-12:00 noon . . . . . Stiha Room, LaFonda Hotel

**SPR Board of Directors Meeting**