

***SOCIETY FOR  
PSYCHOPHYSIOLOGICAL  
RESEARCH  
Forty-Eighth Annual Meeting***

Hilton Hotel  
Austin, Texas  
October 1–5, 2008

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**SOCIETY FOR  
PSYCHOPHYSIOLOGICAL  
RESEARCH**

The purpose of the Society for Psychophysiological Research is to foster research on the interrelationships between the physiological and psychological aspects of behavior. Allied disciplines include psychology, physiology, neuroscience, medicine and engineering. To promote this purpose, the Society publishes scientific literature, including the Journal, *Psychophysiology*, and holds annual meetings for presentation and discussion of original theory and research, instrumentation and methodology, and new directions and standards in the field.

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(Eastern Europe and Asia)**

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Tokyo Institute of Technology

**Ad Hoc Finance Committee**

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UMDNJ–New Jersey Medical School

**Ad Hoc—Women in Psychophysiology: Liaison  
Between WISE, Membership,  
Student and Early Career**

Rebecca Houston

University at Buffalo

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 John I. Lacey 1961–62  
 Albert F. Ax 1962–63  
 Marion A. Wenger 1963–64  
 Clinton C. Brown 1964–65  
 Robert Edelberg 1965–66  
 John A. Stern 1966–67  
 William W. Grings 1967–68  
 Laverne C. Johnson 1968–69  
 David T. Graham 1969–70  
 Bernard T. Engel 1970–71  
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 Bernard Tursky 1972–73  
 Frances K. Graham 1973–74  
 Paul A. Obrist 1974–75  
 David Shapiro 1975–76  
 Peter H. Venables 1976–77  
 Peter J. Lang 1977–78  
 Beatrice C. Lacey 1978–79  
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 Michael G. H. Coles 1987–88  
 Michael E. Dawson 1988–89  
 David A. T. Siddle 1989–90  
 J. Richard Jennings 1990–91  
 Cornelis H. M. Brunia 1991–92  
 John T. Cacioppo 1992–93  
 Stephen W. Porges 1993–94  
 Gregory A. Miller 1994–95  
 Marta Kutas 1995–96

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William G. Iacono	1996–97
Judith M. Ford	1997–98
Risto Naatanen	1998–99
Richard J. Davidson	1999–2000
Robert W. Levenson	2000–01
Margaret M. Bradley	2001–02
Connie C. Duncan	2002–03
Bruce N. Cuthbert	2003–04
Niels Birbaumer	2004–05
Steven A. Hackley	2005–06
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Don C. Fowles	1981–84
Robert W. Levenson	1984–87
Robert J. Gatchel	1987–90
Gregory A. Miller	1990–93
Steven Hackley	1993–96
Connie C. Duncan	1996–99
Edwin W. Cook, III	1999–02
Robert F. Simons	2002–05

***AWARDS FOR DISTINGUISHED  
CONTRIBUTIONS TO  
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Chester W. Darrow	1969
R. C. Davis	1969
Marion A. Wenger	1970
John I. Lacey	1970
Albert F. Ax	1973
Robert Edelberg	1974
William W. Grings	1978
Frances K. Graham	1981
Donald B. Lindsley	1984



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Paul A. Obrist	1985
Peter H. Venables	1987
E. N. Sokolow	1988
Peter J. Lang	1990
John Stern	1993
Emanuel Donchin	1994
Risto Naatanen	1995
David T. Lykken	1998
Steven A. Hillyard	1999
John T. Cacioppo	2000
Arne Ohman	2001
Michael G. H. Coles	2002
Robert M. Stern	2004
Kees Brunia	2005
Marta Kutas	2007

***AWARDS FOR DISTINGUISHED  
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TO PSYCHOPHYSIOLOGY***

Connie C. Duncan	1980
Kathleen C. Light	1980
John T. Cacioppo	1981
William G. Iacono	1982
Graham Turpin	1984
Ray Johnson, Jr.	1985
Alan J. Fridlund	1986
J. Rick Turner	1988
Ulf Dimberg	1988
Kimmo Alho	1990
Thomas W. Kamarck	1991
Steven Hackley	1992
George R. Mangun	1993
Christopher J. Patrick	1993
Cyma Van Petten	1994
Friedemann Pulvermuller	1995
Erich Schroger	1996
Brett A. Clementz	1997
Gabriele Gratton	1997
Christopher R. France	1998
Axel Mecklinger	1999
John J. B. Allen	2000
James J. Gross	2000
Martin Heil	2001

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Eddie Harmon-Jones	2002
Thomas Ritz	2003
Frank Wilhelm	2004
Kent A. Kiehl	2005
Kara Federmeier	2006
Diego Pizzagalli	2006
Bruce D. Bartholow	2007
Markus Ullsperger	2008

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 Francisco Esteves  
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 Elaine Fox  
 Gwen A. Frishkoff

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Kyosuke Fukuda  
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Ilse Van Diest  
Johanna C. Van Hooff  
Eric Vanman  
Rolf Verleger  
Jaime Vila  
Nathan Weisz  
Peter Weyers

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Stefan Wiens  
 Frank H. Wilhelm  
 Akihiro Yagi  
 Katuo Yamazaki  
 Cindy M. Yee-Bradbury

## ***GENERAL INFORMATION***

### ***Registration***

Registration will be held on the sixth floor in the foyer of the Grand Ballroom at the Hilton Hotel during the following hours:

Wednesday, October 1	5:30 P.M.—8:00 P.M.
Thursday, October 2	7:30 A.M.—4:00 P.M.
Friday, October 3	8:00 A.M.—4:00 P.M.
Saturday, October 4	8:30 A.M.—2:00 P.M.

Audible signals from pagers and cellular phones may be a distraction to the speaker as well as the audience. Please program these accordingly, and take phone calls outside of the meeting rooms. Thank you!

### ***Poster Sessions***

Poster sessions will be held in Grand Ballroom, Salon H at the Hilton Hotel.

The schedule for poster presentation setup and dismantle is as follows:

**Thursday, October 2, 2008**

#### **Poster Session I**

8:00 A.M.—10:00 A.M.	Posters Assembled
10:00 A.M.—3:00 P.M.	Posters Available for Viewing
6:15 P.M.—8:15 P.M.	Authors Present for Discussion and Questions
8:15 P.M.—9:15 P.M.	Dismantle Posters

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Friday, October 3, 2008

### Poster Session II

8:00 A.M.–10:00 A.M.	Posters Assembled
10:00 A.M.–3:00 P.M.	Posters Available for Viewing
6:00 P.M.–8:00 P.M.	Authors Present for Discussion and Questions
8:00 P.M.–9:00 P.M.	Dismantle Posters

Saturday, October 4, 2008

### Poster Session III

8:00 A.M.–10:00 A.M.	Posters Assembled
10:00 A.M.–7:00 P.M.	Posters Available for Viewing
7:00 P.M.–9:00 P.M.	Authors Present for Discussion and Questions
9:00 P.M.–10:00 P.M.	Dismantle Posters

All posters must be removed during the designated dismantle time for each session. Thank you!

### *Announcements*

You are invited to use the bulletin board near the SPR Registration Desk to post the following information:

- Employment Opportunities
- Announcement of Social Activities
- Special Interest Lunches or Dinners
- Messages to Attendees

### *Publication of Abstracts*

Abstracts of papers presented in the symposia and the poster sessions are published in the September 2008 supplement volume of *Psychophysiology*. A copy will be available in your packet of materials.

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## **COMMITTEE MEETINGS**

Please confirm the time and place of each meeting with the chair of the committee.

### ***Board of Directors***

**Chair: Monica Fabiani** (mfabiani@uiuc.edu)

Wednesday, 12:00 noon–5:30 P.M.

**Chair: John J. B. Allen** (john.jb.allen@arizona.edu)

Sunday, 9:00 A.M.–12:30 P.M.

### ***Senior Award Committee***

**Chair: Monica Fabiani** (mfabiani@uiuc.edu)

Wednesday, 5:30 P.M.–7:30 P.M.

### ***Ad Hoc Finance Committee***

**Chair: Karen Quigley** (quigleks@umdnj.edu)

Thursday, 7:30 A.M.–8:30 A.M.

### ***2008 Program Committee***

**Chair: Bruce D. Bartholow**

(bartholowb@missouri.edu)

Thursday, 11:30 A.M.–1:00 P.M. (Lunch)

### ***2009 Program Committee***

**Chair: David Sbarra** (sbarra@email.arizona.edu)

Friday, 11:30 A.M.–1:00 P.M. (Lunch)

### ***Archives Committee***

**Chair: Louis G. Tassinary** (lou@archone.tamu.edu)

Thursday, 11:30 A.M.–1:00 P.M. (Lunch)

### ***The Psychophysiology Board of Associate Editors***

**Robert F. Simons** (rsimons@psych.udel.edu)

Thursday, 5:00 P.M.–6:00 P.M.

### ***Bylaws Committee***

**Chair: Magne Flaten** (magnef@psyk.uit.no)

Friday, 10:00 A.M.–11:30 A.M.

### ***Web Site Committee***

**Chair: Richard W. Backs** (backs1rw@cmich.edu)

Friday, 11:30 A.M.–1:00 P.M. (Lunch)

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***General Business Meeting and Luncheon***

Saturday, 12:15 P.M.–2:15 P.M.

(Grand Ballroom, Salon G)

***Past Presidents' Dinner***

Friday, 8:00 P.M.–10:00 P.M. (Dinner)

***SPECIAL INTEREST LUNCHEONS  
AND DINNERS***

As in previous years, small group lunches and dinners will be held to provide an informal setting for people to meet and share common interests. If space remains available following advance registration, sign-up sheets will be posted in the SPR Registration Area on the announcements board.

***Psychophysiology in Primarily  
Undergraduate Institutions*****Contact: Becky Compton**

(rcompton@haverford.edu)

Friday, October 3, 2008, 11:30 A.M.–1:00 P.M.

***Laterality 2008*****Contact: Joseph Dien** (jdien07@mac.com)

Friday, October 3, 2008, 8:30 P.M.–10:00 P.M.

***NEW TO SPR?***

If you are a student and this is your first time at an SPR conference, please feel free to approach anyone with a dot on their name tag. Those of us with dots are “Meet and Greet” members of the Committee to Promote Student Interests. We are here as a resource for you and are happy to answer questions, chat, introduce you to others, and/or provide more information about SPR and student opportunities (e.g., student travel awards and the student social). We hope you enjoy the conference!



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***EDUCATION AND TRAINING  
COMMITTEE  
ROUNDTABLE DISCUSSIONS***

11:30 A.M.–1:00 P.M.

Thursday, October 2, 2008

Room 400

This year, there will once again be the opportunity to participate in the Roundtable Discussions. Each topic will be led by two leaders in their respective fields, and lunch is provided. Attendance is limited to 10 people at each roundtable. If you are interested in the Clinical Psychophysiology Roundtable, please contact Julie Hall directly at [halljl@umich.edu](mailto:halljl@umich.edu). To register for all other Roundtables, please contact Greg Hajcak at [greg.hajcak@stonybrook.edu](mailto:greg.hajcak@stonybrook.edu).

Confirm your attendance prior to September 15!

***Subliminal Pre-Attentive Methods***

Luiz Pessoa and Stefan Wiens

***Setting Up a Psychophysiology Laboratory***

John Allen and John Curtin

***Pupillometry***

Canan Karatekin and Stuart Steinhauer

***Clinical Psychophysiology and Neuroimaging***

Julie Hall and Greg Siegle

***ERP Data Collection and Analysis***

Joe Dien and Bob Simons

***Emotion Regulation***

Greg Hajcak and Heather Urry

***EARLY CAREERS  
CONVERSATION HOUR***

8:15 P.M.–10:15 P.M.

Room 404

Thursday, October 2, 2008

Don't miss this opportunity to discuss early career issues with some of SPR's leading scientists! As in past years, the first hour will be a panel discussion, followed by a break-out into small groups. If you have questions about this event or would like to RSVP, please contact Catherine Norris by e-mail at [cnorris@dartmouth.edu](mailto:cnorris@dartmouth.edu).

***WOMEN IN SCIENCE  
AND EDUCATION  
LUNCH BOX DISCUSSION***

11:30 A.M.–1:30 P.M.

Room 412

Friday, October 3, 2008

Please join us for the Third Annual Women in Science and Education (W.I.S.E.) Lunch Box Discussion regarding women in leadership. All SPR members, including men, are invited to attend. If you have any suggestions for this event, please contact Stacie Warren at [swarren3@uiuc.edu](mailto:swarren3@uiuc.edu).

***INTERNET STATION***

An Internet station will be available for all attendees at the following times in the Grand Ballroom, Salon H Foyer:

Thursday, October 2	8:00 A.M.–9:00 P.M.
Friday, October 3	8:00 A.M.–9:00 P.M.
Saturday, October 4	8:00 A.M.–5:00 P.M.

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## ***SPEAKER READY ROOM***

If you are speaking at the meeting, plan time to visit the Speaker Ready Room to review your presentation. It will be located in Room 415 and open during the following hours:

Thursday, October 2	7:00 A.M.–5:00 P.M.
Friday, October 3	7:00 A.M.–5:00 P.M.
Saturday, October 4	7:00 A.M.–1:00 P.M.

## ***CHILD CARE***

In need of child care while you are at the SPR meeting? Mom's Best Friend Agency provides child care based on individual requests. For more information on child care, associated costs and availability, please contact Lindsey Hudson with Mom's Best Friend Agency directly at +1-512-646-1042. (*This service is not sponsored nor endorsed by the SPR; it is provided for informational purposes only.*)

## ***FUTURE ANNUAL MEETINGS***

### ***2009 Annual Meeting***

Berliner Congress Centre  
Berlin, Germany  
October 21–25, 2009

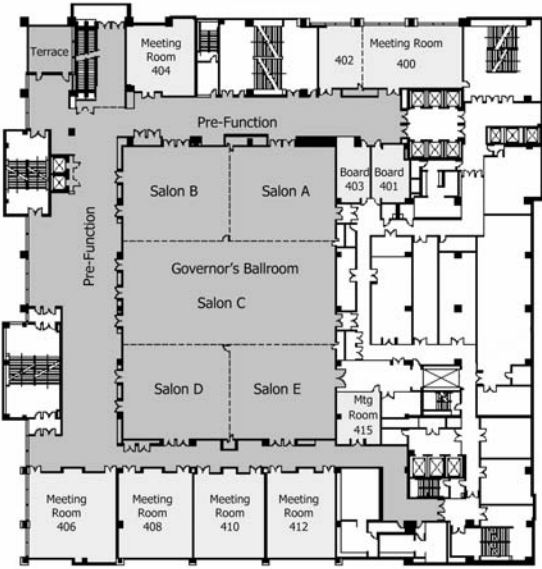
## ***EXHIBITORS***

Please take time while you are at the SPR meeting to visit the exhibit area located in the Grand Ballroom, Salon H at the Hilton Hotel. Exhibitors contribute financial support to the SPR meeting and we ask that you take a few minutes to spend time in the exhibit area looking at the products, services and equipment offered by the companies represented. Thank you!

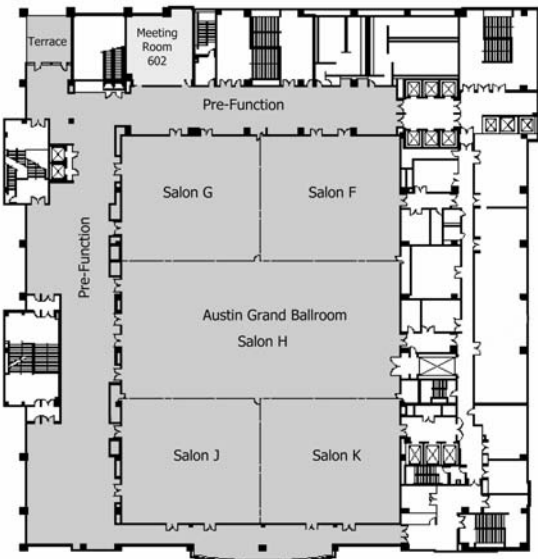
### ***Open Hours***

Wednesday, October 1	5:30 P.M.–8:00 P.M.
Thursday, October 2	10:00 A.M.–3:00 P.M. 6:15 P.M.–8:15 P.M.
Friday, October 3	10:00 A.M.–3:00 P.M. 6:00 P.M.–8:00 P.M.

## Hilton Austin Fourth Floor



## Sixth Floor



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**PROGRAM****Tuesday, September 30, 2008**

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8:30 A.M.—5:00 P.M.

*Room 412****Pre-Conference Workshop I***

(available for an additional fee;  
limited to 50 participants)

***The ERP Mini Boot Camp***

Steve J. Luck, PhD, Professor, Center for Mind and Brain, University of California, Davis, CA

The ERP Mini Boot Camp is a two-day condensed workshop version of Steve Luck's 10-day UC-Davis ERP Boot Camp. The workshop will provide an intensive introduction to the ERP technique, designed for beginning and intermediate ERP researchers at the graduate, postdoctoral, and faculty levels. The goal of the ERP Mini Boot Camp is to provide an in-depth introduction to the everyday procedures that are used in ERP research, with an emphasis on how various procedures are actually performed and why they are performed that way. The Boot Camp will consist of a set of lectures by Steve Luck that are tightly linked with his book, *An Introduction to the Event-Related Potential Technique* (MIT Press).

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8:30 A.M.—10:30 A.M.

***Lecture 1:******Introduction to ERPS and Common  
ERP Components***

*Reading: Luck (2005, Ch. 1)*

10:30 A.M.—10:45 A.M.

***Refreshment Break***

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10:45 A.M.—12:00 NOON

***Lecture 2: Basic Principles of ERP Recording***

*Reading: Luck (2005, Ch. 3)*

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12:00 NOON—1:00 P.M.

***Lunch Break (on your own)***

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1:00 P.M.—3:00 P.M.

***Lecture 3: Averaging and Artifacts***

*Reading: Luck (2005, Ch. 4)*

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3:00 P.M.—3:15 P.M.

***Refreshment Break***

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3:15 P.M.—5:00 P.M.

***Lecture 4: The Design and Interpretation  
of ERP Experiments***

*Reading: Luck (2005, Ch. 2)*

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**Wednesday, October 1, 2008**

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8:30 A.M.—5:00 P.M.

*Room 404 (note room change)*

***Pre-Conference Workshop***

The ERP Mini Boot Camp (continued)

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8:30 A.M.—10:15 A.M.

***Lecture 5: Examples of Experimental Design  
in Basic Research***

*Reading: Vogel et al. (1998)*

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10:15 A.M.—10:30 A.M.

***Refreshment Break***

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10:30 A.M.—12:00 noon

***Lecture 6: Examples of Experimental Design  
in Translational Research***

*Reading: Luck (2005, Ch. 5)*

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12:00 NOON—1:00 P.M.

***Lunch Break (on your own)***

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1:00 P.M.—2:45 P.M.

***Lecture 7: Plotting, Measurement,  
and Statistics***

*Reading: Luck (2005, Ch. 6)*

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2:45 P.M.—3:00 P.M.

***Refreshment Break***

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3:00 P.M.—5:00 P.M.

***Lecture 8: Filtering and the Deep Structure  
of ERP Signals***

*Reading: Luck (2005, Ch. 5)*

**Readings**

Luck, S. J. (2005). *An Introduction to the Event-Related Potential Technique*. Cambridge, MA: MIT Press.

Vogel, E. K., Luck, S. J., and Shapiro, K. L. (1998). Electrophysiological evidence for a postperceptual locus of suppression during the attentional blink. *Journal of Experimental Psychology: Human Perception and Performance*, 24, 1656–1674.

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12:00 noon—5:30 P.M.

*Room 406*

***SPR Board of Directors Meeting***

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5:30 P.M.—8:00 P.M.

*Grand Ballroom, Salon H*

***Opening Reception  
Exhibits Open***

Cash bar and hors d'oeuvres

*All attendees are welcome!*



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**Thursday, October 2, 2008**

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7:30 A.M.—4:00 P.M.

*Grand Ballroom, Salon H Foyer*

***Registration***

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8:00 A.M.—9:00 P.M.

*Grand Ballroom, Salon H Foyer*

***Internet Station***

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8:30 A.M.—10:00 A.M.

*Grand Ballroom, Salon J*

***Symposium 1***

**Patients Are a Virtue: What Studies of Clinical  
and Neurological Patients Reveal About  
Physiological Mechanisms of Emotion**

Chair: Nicole A. Roberts

*Arizona State University*

Discussant: John J. B. Allen

*University of Arizona*

**Choosing Sides? Happily Approaching Left  
Frontal Cortex in Psychopathology  
and Emotion**

David N. Towers, Anna S. Engels, Jennifer L.

Stewart, Jeffrey M. Spielberg, Gregory A.

Miller, & Wendy Heller

*University of Illinois at Urbana—Champaign*

**Trait Fear and Externalizing as Anchor  
Constructs for Psychophysiological Study of  
Vulnerability and Resilience**

Christopher J. Patrick

*University of Minnesota*

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**Emotional Functioning in Epilepsy and Non-Epileptic Seizure Disorder**

Nicole A. Roberts  
*Arizona State University*

**Emotional Functioning in Patients with Frontotemporal Lobar Degeneration**

Robert W. Levenson  
*University of California at Berkeley*

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8:30 A.M.—10:00 A.M.

*Grand Ballroom, Salon K*

***Symposium 2*****Modulation of Attention in Sexual Cue Processing**

Chair: Nicole R. Prause  
*Idaho State University*

**Exploring Visual Attention to Erotic Stimuli Using Eye-Tracking Technology**

Amy Lykins & Marta Meana  
*University of Nevada, Las Vegas*

**Women's Neural Activation in Response to Potential Sexual Partners Changes Across the Menstrual Cycle**

Heather Rupp<sup>1</sup>, Thomas W. James<sup>2</sup>, Ellen D. Ketterson<sup>2</sup>, Dale R. Senglaub<sup>2</sup>, Erick Janssen<sup>1</sup>, & Julia R. Heiman<sup>1</sup>

<sup>1</sup>*The Kinsey Institute for Research in Sex, Gender, and Reproduction*, <sup>2</sup>*Indiana University, Bloomington*

**Higher Sexual Arousability is Related to Lower Attention to Sex Stimuli**

Nicole Prause<sup>1</sup> & William P. Hetrick<sup>2</sup>  
<sup>1</sup>*Idaho State University*, <sup>2</sup>*Indiana University, Bloomington*

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10:00 A.M.—3:00 P.M.

*Grand Ballroom, Salon H*

***Exhibits Open***

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10:00 A.M.—10:30 A.M.

*Grand Ballroom, Salon H*

***Refreshment Break***

---

10:30 A.M.—11:30 A.M.

*Grand Ballroom, Salon G*

***Invited Address***

**The Neural Bases of Emotion Regulation**

James J. Gross, PhD

Associate Professor of Psychology

*Stanford University, Stanford, CA*

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11:30 A.M.—1:00 P.M.

***Break for Lunch (on your own)***

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11:30 A.M.—1:00 P.M.

*Room 400*

***Education and Training Committee***

***Roundtable Discussions***

(pre-registration requested)

**Subliminal/Pre-Attentive Methods**

Luiz Pessoa & Stefan Wiens

**Setting up a Psychophysiology Laboratory**

John Allen & John Curtin

**Pupillometry**

Canan Karatekin & Stuart Steinhauer

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**Clinical Psychophysiology and Neuroimaging**

Julie Hall &amp; Greg Siegle

**ERP Data Collection and Analysis**

Joe Dien &amp; Bob Simons

**Emotion Regulation**

Greg Hajcak &amp; Heather Urry

Confirm your attendance prior to September 15!

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1:00 P.M.—2:30 P.M.*Grand Ballroom, Salon G****Presidential Symposium*****Contributions of Brain Potentials to the Study of Human Memory**

Chair: Ken A. Paller

*Northwestern University***Points of Contact Between Conscious Memory and Nonconscious Memory**

Ken A. Paller

*Northwestern University***Retrieval Orientation and the Control of Recollection**

Michael D. Rugg

*University of California, Irvine***Encoding Done Right: Verbal Memory in the Two Cerebral Hemispheres**

Kara D. Federmeier

*University of Illinois at Urbana—Champaign*

2:30 P.M.—3:00 P.M.

*Grand Ballroom, Salon H*

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***Refreshment Break***

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3:00 P.M.—4:30 P.M.

*Grand Ballroom, Salon J*

***Symposium 3***

**Neurobiological Sequelae of Early  
Childhood Adversity**

**Chair:** Diego A. Pizzagalli

*Harvard University*

**Discussant:** Richard J. Davidson

*University of Wisconsin—Madison*

**Institutional Rearing and  
Socio-Affective Neurodevelopment**

Nim Tottenham

*Weill Medical College of Cornell University*

**Early Adverse Care-Giving May Damage the  
Functional Integrity of the Medial Temporal  
Cortex as Evidenced by An fMRI Study of  
Adopted Adolescents with History of  
Early Maltreatment**

Monique Ernst<sup>1</sup>, Francoise S. Maheu<sup>1</sup>, Daniel  
S. Pine<sup>1</sup>, & Mary Dozier<sup>2</sup>

<sup>1</sup>*National Institute of Mental Health*, <sup>2</sup>*University  
of Delaware*

**Persistent Problems in Attention Amongst  
Children Exposed to Early Severe Social  
Deprivation: Recent Findings from the  
Bucharest Early Intervention Project**

Nathan A. Fox<sup>1</sup>, Jennifer McDermott<sup>1</sup>, R.  
Vanderwert<sup>1</sup>, Charles A. Nelson<sup>2</sup>, & Charles H.  
Zeanah<sup>3</sup>

<sup>1</sup>*University of Maryland*, <sup>2</sup>*Harvard Medical  
School*, <sup>3</sup>*Tulane University Medical School*

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**Childhood Maltreatment Impacts Brain  
Reward Circuits Decades Later**

Diego A. Pizzagalli<sup>1</sup>, Daniel G. Dillon<sup>1</sup>, Jeffrey  
L. Birk<sup>1</sup>, & Karlen Lyons-Ruth<sup>2</sup>

<sup>1</sup>*Harvard University*, <sup>2</sup>*Harvard Medical School*

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3:00 P.M.—4:30 P.M.

*Grand Ballroom, Salon K*

***Symposium 4*****Brain Mechanisms of Auditory Attention and  
Auditory Short-Term Memory**

Chair: Pierre Jolicoeur

*University of Montreal*

**Brain Networks of Voluntary and Involuntary  
Auditory Attention**

Kimmo Alho

*University of Helsinki*

**Working Memory Load for Sound Location  
Modulates Activity in the Where Pathway**

Claude Alain, & Dawei Shen

*University of Toronto*

**Dynamics of Voluntary Attentional Control in  
the Auditory Modality**

Jessica Green<sup>1</sup>, Sam Doesburg<sup>2</sup>, Lawrence  
Ward<sup>2</sup>, & John McDonald<sup>1</sup>

<sup>1</sup>*Simon Fraser University*, <sup>2</sup>*University of British  
Columbia*

**Brain Mechanisms of Auditory Short-Term  
Memory: Converging Evidence from EEG,  
MEG, and fMRI**

Pierre Jolicoeur<sup>1</sup>, Christine Lefebvre<sup>1</sup>, Stephan  
Grimault<sup>1</sup>, Francois Vachon<sup>1</sup>, Robert Zatorre<sup>2</sup>,  
& Isabelle Peretz<sup>1</sup>

<sup>1</sup>*University of Montreal*, <sup>2</sup>*McGill University*

3:00 P.M.—4:30 P.M.

Room 400

### *Symposium 5*

#### **Craving in the Lab: Studies of Drug Cue Reactivity**

Chair: Larry W. Hawk

*University of Buffalo, State University of New York*

#### **Motivational Properties of Stimuli Related to the Beginning and Terminal Phase of Drug-Consumption Assessed with Cue-Modulated Startle in Abstinent Alcoholics**

Markus Winkler<sup>1</sup>, Ronald F. Mucha<sup>1</sup>, Peter Weyers<sup>1</sup>, Rudolf Stark<sup>2</sup>, Bastian Stippekohl<sup>2</sup>, & Paul Pauli<sup>1</sup>

<sup>1</sup>*University of Wuerzburg*, <sup>2</sup>*University of Giessen*

#### **Attentional Bias to Smoking Cues: ERP and Genetic Correlates**

David E. Evans<sup>1</sup>, Marian N. Farag<sup>2</sup>, Jason A. Oliver<sup>2</sup>, Nathan Maxfield<sup>2</sup>, Jong Y. Park<sup>1</sup>, & David J. Drobes<sup>1</sup>

<sup>1</sup>*Moffitt Cancer Center*, <sup>2</sup>*University of South Florida*

#### **The Effects of Bupropion on Reactivity to Pictorial Smoking Cues Among Smokers in a Cessation Program**

Rebecca L. Ashare<sup>1</sup>, Jessica D. Rhodes<sup>1</sup>, Larry W. Hawk<sup>1</sup>, & Martin C. Mahoney<sup>2</sup>

<sup>1</sup>*University of Buffalo, State University of New York*, <sup>2</sup>*Roswell Park Cancer Institute*

#### **Drug Deprivation and Availability During Cue Exposure: All Drug Cues Are Not Created Equal**

John Curtin, Joanne Hogle, Rebecca Gloria, Fang Ying Shi, & Timothy Baker  
*University of Wisconsin—Madison*

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4:30 P.M.—4:45 P.M.

*Break*

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4:45 P.M.—6:15 P.M.

*Grand Ballroom, Salon J*

*Symposium 6*

**From the Chaos of Thought and Passion:  
Multiple Perspectives on  
Emotion-Cognition Interactions**

Chair: Greg Hajcak  
*Stony Brook University*

**Affective Vision: Prioritization Does Not  
Imply Automaticity**

Luiz Pessoa  
*Indiana University*

**Toward an Understanding of the Neural  
Circuitry Underlying the Effect of Approach  
Motivated Positive Affect on Local  
Attentional Bias**

Phillip Gable & Eddie Harmon-Jones  
*Texas A&M University*

**Parsing Attention to Targets and Emotion:  
Evidence from Event-Related Potentials**

Greg Hajcak, & Dan Foti  
*Stony Brook University*

**At the Crossroads of Cognition-Emotion  
Interactions: Modulation of the Late Positive  
Potential During Cognitive Reappraisal  
Predicts Subsequent Attentional Control**

Jason S. Moser, Steven B. Most, & Robert F.  
Simons  
*University of Delaware*



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**Emotion/Cognition Interactions: Added  
Clinical Utility or Just the Sum of Their Parts?**

Greg J. Siegle, Wesley S. Thompson, Dongli  
Zhou, & Edward Friedman  
*University of Pittsburgh*

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4:45 P.M.—6:15 P.M.

*Grand Ballroom, Salon K*

*Symposium 7*

**Making Sense of Frontal Language ERPS**

Chair: Joseph Dien  
*University of Louisville*

**Double Dissociation of the P2 and the N400  
by Subject Task: Implications for Strategic  
Processing in Sentences**

Joseph Dien<sup>1</sup> & Aminda J. O'Hare<sup>2</sup>  
<sup>1</sup>*University of Louisville*, <sup>2</sup>*University of Kansas*

**Medial Frontal Negativities in Memory and  
Language: A Cross-Laboratory Meta-Analysis  
of ERPS in Episodic and Semantic  
Memory Tasks**

Gwen A. Frishkoff  
*University of Pittsburgh*

**What Do Early and Late ERP Effects Tell Us  
About Processing in a First and  
Second Language?**

Natalie Phillips & Shanna Kousaie  
*Concordia University*

**The Frontal P2 Component and the Influence  
of Sentential Constraint on Visual Processing**

Edward W. Wlotko & Kara D. Federmeier  
*University of Illinois at Urbana—Champaign*

6:15 P.M.—8:15 P.M.

*Grand Ballroom, Salon H*

***Poster Session I  
Exhibits Open***

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8:15 P.M.—10:15 P.M.

*Room 404*

***Early Careers Conversation Hour***  
*(Pre-registration requested)*

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**Friday, October 3, 2008**

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8:00 A.M.—4:00 P.M.

*Grand Ballroom, Salon H Foyer*

***Registration***

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8:00 A.M.—9:00 P.M.

*Grand Ballroom, Salon H Foyer*

***Internet Station***

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8:30 A.M.—10:00 A.M.

*Grand Ballroom, Salon J*

***Symposium 8***

**I Knew You Were Going to Say That . . . ERP  
Studies Reveal the Role of Expectancy-Driven  
Processes in Language Comprehension**

Chair: Kara D. Federmeier

*University of Illinois at Urbana—Champaign*

**Brainwave Studies of Contextual Preactivation  
of Lexical Word Forms**

Katherine A. DeLong & Marta Kutas

*University of California, San Diego*

**The Stuff That Predictions Are Made of: ERP  
Evidence for Message-Based  
Lexical Anticipation**

Marte Otten<sup>1</sup> & Jos J. A. Van Berkum<sup>2</sup>

<sup>1</sup>*Harvard University and University of*

*Amsterdam, <sup>2</sup>Max Planck Institute for*

*Psycholinguistics, University of Amsterdam, and*

*FC Donders Centre for Cognitive Neuroimaging*

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**A Beautiful Day in the Neighborhood: An ERP Study of Lexical Relationships and Sentential Congruity**

Sarah Laszlo & Kara D. Federmeier  
*University of Illinois at Urbana–Champaign*

**Anticipating Words in a Code Switching Sentence**

Nicole Y. Y. Wicha  
*University of Texas at San Antonio*

**The Origins of Semantic Prediction: A Layered Processing Architecture**

Gina R. Kuperberg  
*Tufts University, Mass General Hospital and  
Martinos Center for Biomedical Imaging*

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8:30 A.M.–10:00 A.M.  
*Grand Ballroom, Salon K*

***Symposium 9***

**The Psychophysiology of Anxiety and Worry: A Symposium in Honor of the Contributions of Thomas D. Borkovec**

**Chair:** Bruce H. Friedman  
*Virginia Polytechnic Institute and State University*  
**Discussant:** Peter J. Lang  
*University of Florida*

**Cardiac Reactivity in High and Low Trait Worry Women**

Michael M. Knepp & Bruce H. Friedman  
*Virginia Polytechnic Institute and State University*

**Psychophysiological Evidence for Vigilance and Avoidance in Worry and Generalized Anxiety Disorder**

Desmond J. Oathes  
*University of Wisconsin–Madison*

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**Don't Close Your Eyes! Worry, Vagal Tone, and Avoidance in Vietnam-Era Posttraumatic Stress Disorder**

Deane E. Aikins

*National Center for PTSD*

**The Perseverative Cognition Hypothesis: What Were We Thinking?**

Julian F. Thayer<sup>1</sup> & Jos F. Brosschot<sup>2</sup>

<sup>1</sup>*The Ohio State University*, <sup>2</sup>*Leiden University*

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10:00 A.M.—3:00 P.M.

*Grand Ballroom, Salon H*

***Exhibits Open***

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10:00 a.m.—10:30 a.m.

*Grand Ballroom, Salon H*

***Refreshment Break***

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10:30 A.M.—11:30 A.M.

*Grand Ballroom, Salon G*

***Invited Address***

**Perception to Awareness: Attentional Control Over the Mind's Eye**

George R. Mangun, PhD

Professor of Psychology and Neurology and  
Director

*Center for Mind and Brain, University of  
California, Davis, CA*

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11:30 A.M.—1:00 P.M.

***Break for Lunch (on your own)***

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11:30 A.M.—1:00 P.M.

*Room 412*

***Women in Science and Education (W.I.S.E.)***

***Lunch Box Discussion***

(Pre-registration requested)

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1:00 P.M.—2:30 P.M.

*Grand Ballroom, Salon J*

***Symposium 10***

**The Present as the Past's Future**

Chair: Emanuel Donchin

*University of South Florida*

**Biofeedback, Psychophysiology and the Brain**

David Shapiro

*University of California, Los Angeles*

**Beyond the Broken P300 in Schizophrenia: 10 Years Later**

Judith M. Ford

*University of California San Francisco*

**The Heart-Brain Dialog: Clinical Implications of the Polyvagal Theory**

Stephen W. Porges

*University of Illinois at Chicago*

**The Context for Updating the “Context Updating” Model of the P300**

Emanuel Donchin

*University of South Florida*

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2:30 P.M.—3:00 P.M.

*Grand Ballroom, Salon H*

***Refreshment Break***

3:00 P.M.—4:30 P.M.

*Grand Ballroom, Salon J*

### ***Symposium 11***

#### **Psychophysiological and Affect Modulation of Pain Perception**

**Chair:** Mustafa al'Absi

*University of Minnesota*

**Discussant:** James McCubbin

*Clemson University*

#### **Emotional Controls of Nociception (ECON): A Biomarker for Supraspinal Dysregulation of Pain?**

Jamie L. Rhudy

*University of Tulsa*

#### **The Impact of Anger Expression on Pain: An Overview of Possible Endogenous Opioid Mechanisms**

Stephen Bruehl

*Vanderbilt University*

#### **The Influence of Pain on Explicit and Psychophysiological Aspects of Emotion Processing**

Antje B. M. Gerdes, Ramona Kenntner-Mabiala, Georg W. Alpers, Marta Andreatta, Andreas Mühlberger, Peter Weyers, & Paul Pauli

*University of Würzburg, Germany*

#### **Negative Relationship Between Exercise-Induced Blood Pressure and Chest Pain Intensity in People Being Evaluated for Cardiovascular Disease**

Blaine Ditto, Kim L. Lavoie, Tavis Campbell, Andre Arsenault, & Simon L. Bacon

*McGill University*

3:00 P.M.—4:30 P.M.

*Grand Ballroom, Salon K*

### ***Symposium 12***

#### **How We Breathe: Respiration During Everyday Life and Under Discrete Affective and Cognitive Demands**

**Chair:** Paul Grossman

*University Hospital of Basel*

**Discussant:** Nicholas Giardino

*University of Michigan*

#### **Are Patients with Panic Disorder Characterized by Chronic Respiratory Dysfunction in Daily Life?**

Frank H. Wilhelm<sup>1</sup>, Monique C. Pfaltz<sup>1</sup>, Tanja Michael<sup>1</sup>, Jürgen Margraf<sup>1</sup>, & Paul Grossman<sup>2</sup>

<sup>1</sup>*University of Basel*, <sup>2</sup>*University Hospital of Basel*

#### **Breathing in Everyday Life: Normative Findings and Relations to Affective Functioning**

Paul Grossman & Gunnar Deuring

*University Hospital of Basel*

#### **On the Psychology of Sighing**

Omer Van den Bergh, Elke Vlemincx, Steven De Peuter, & Ilse Van Diest

*University of Leuven*

#### **Respiration: The Missing Link in the Study of Autonomic Reactivity?**

Nathalie Pattyn<sup>1</sup>, Pierre-François Migeotte<sup>2</sup>, Xavier Neyt<sup>2</sup>, & Raymond Cluydts<sup>3</sup>

<sup>1</sup>*Royal Military Academy, Brussels and Vrije Universiteit Brussel*, <sup>2</sup>*Royal Military Academy, Brussels*, <sup>3</sup>*Vrije Universiteit Brussel*



3:00 P.M.—4:30 P.M.

Room 400

### ***Symposium 13***

#### **Evaluative Processes**

Chair: Stephen L. Crites  
*University of Texas at El Paso*

#### **Evaluative and Semantic Priming: Similar Behavioral Effects But Different ERPS**

Stephen L. Crites, Jennifer H. Taylor, &  
Katherine R. White  
*University of Texas at El Paso*

#### **Motivated Attention to Race: Frontal Asymmetry Effects on the P200 and Response Control**

David M. Amodio & Polina V. Potanina  
*New York University*

#### **From Perception to Evaluation: Using ERPS to Study Attention to Racial Information and Implicit Evaluative Responses**

Tiffany Ito, Eve Willadsen-Jensen, &  
Bernadette Park  
*University of Colorado at Boulder*

#### **The Relativity of Affect: Facial Electromyographic Evidence for Affective Contrast**

J. Ian Norris<sup>1</sup> & Jeff T. Larsen<sup>2</sup>  
<sup>1</sup>*Murray State University*, <sup>2</sup>*Texas Tech University*

#### **Neural Mechanisms Underlying the Effects of Loneliness on Evaluative and Social Cognitive Processes**

Catherine J. Norris<sup>1</sup> & John T. Cacioppo<sup>2</sup>  
<sup>1</sup>*Dartmouth College*, <sup>2</sup>*University of Chicago*

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4:30 P.M.—4:45 P.M.

***Break***

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4:45 P.M.—5:45 P.M.

*Grand Ballroom, Salon G*

***Invited Address***

**Cognitive and Emotional Control in  
Schizophrenia: Psychological and  
Neural Mechanisms**

Deanna M. Barch, PhD

Professor of Psychology, Psychiatry, and  
Radiology

*Washington University in St. Louis, St. Louis,  
MO*

Editor-in-Chief, *Cognitive, Affective and  
Behavioral Neuroscience*

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6:00 P.M.—8:00 P.M.

*Grand Ballroom, Salon H*

***Poster Session II  
Exhibits Open***

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10:00 P.M.

***Student Social***

(location to be announced)

*All students are invited!*

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**Saturday, October 4, 2008**

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8:30 A.M.—2:00 P.M.

*Grand Ballroom, Salon H Foyer*

***Registration***

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8:00 A.M.—5:00 P.M.

*Grand Ballroom, Salon H Foyer*

***Internet Station***

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8:30 A.M.—10:00 A.M.

*Grand Ballroom, Salon J*

***Symposium 14***

**Emotion Regulation and Individual Differences in the Developing Child**

Chair: Heather L. Urry

*Tufts University*

**Using RSA and ERP to Measure Regulatory Processes in Fearful Toddlers and Young Children**

Kristin A. Buss<sup>1</sup>, Amy E. Dribin<sup>1</sup>, Rebecca J. Brooker<sup>1</sup>, John Interrante<sup>1</sup>, & Tracy A. Dennis<sup>2</sup>

<sup>1</sup>*Pennsylvania State University*, <sup>2</sup>*Hunter College, The City University of New York*

**ERP Correlates of Attention Towards Emotion: Implications for Emotion Regulation**

Tracy A. Dennis<sup>1</sup>, Greg Hajcak<sup>2</sup>, & Connie Lamm<sup>1</sup>

<sup>1</sup>*Hunter College, The City University of New York*,

<sup>2</sup>*Stony Brook University*

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**Mechanisms of Attention Modulate Response to Threat in Temperamentally Fearful and Anxious Individuals**

Nathan A. Fox<sup>1</sup>, Sarah H. Helfinstein<sup>1</sup>, Lauren K. White<sup>1</sup>, Koraly Perez-Edgar<sup>2</sup>, & Yair Bar-Haim<sup>3</sup>

<sup>1</sup>*University of Maryland*, <sup>2</sup>*George Mason University*, <sup>3</sup>*Tel-Aviv University*

**And They All Lived Happily-Ever After? The Undoing Effect of Positive Emotion in Young Children**

Jennifer A. DiCorcia & Heather L. Urry  
*Tufts University*

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8:30 A.M.—10:00 A.M.  
*Grand Ballroom, Salon K*

***Symposium 15*****Imaging Genetics: Contributions from Twin Studies**

Chair: Eco de Geus  
*VU University*

**Heritability of Brain Structure at the Onset of Puberty: An MRI Study in 9-Year Old Twin-Pairs**

Jiska Peper<sup>1</sup>, Hugo Schnack<sup>1</sup>, Rachel Brouwer<sup>1</sup>, Caroline van Baal<sup>1</sup>, Marieke van Leeuwen<sup>2</sup>, Louis Collins<sup>3</sup>, Alan Evans<sup>3</sup>, Dorret Boomsma<sup>2</sup>, Rene Kahn<sup>1</sup>, & Hilleke Hulshoff Pol<sup>1</sup>

<sup>1</sup>*Utrecht University Medical Center*, <sup>2</sup>*VU University*, <sup>3</sup>*Montreal Neurological Institute*

**An Imaging Study of Australian Twins:  
Quantifying Genetic and Environmental  
Influences on fMRI and Hardi Phenotypes**

Margaret Wright<sup>1</sup>, Gabriella Blokland<sup>1</sup>, Ming-Chang Chiang<sup>2</sup>, Katy MacMahon<sup>3</sup>, Nicholas Martin<sup>1</sup>, Arthur Toga<sup>2</sup>, Greig de Zubicaray<sup>3</sup>, & Paul Thompson<sup>2</sup>

<sup>1</sup>*Queensland Institute of Medical Research and The University of Queensland,* <sup>2</sup>*University of California, Los Angeles,* <sup>3</sup>*University of Queensland*

**Amygdala Responses to Emotional Faces and  
Emotional Words in Monozygotic Twins  
Concordant or Discordant for the Risk for  
Anxiety and Depression**

Eco de Geus<sup>1</sup>, Saskia Wolfensberger<sup>2</sup>, Witte Hoogendijk<sup>2</sup>, Michiel de Ruiter<sup>2</sup>, Dorret Boomsma<sup>1</sup>, & Dick Veltman<sup>2</sup>

<sup>1</sup>*VU University,* <sup>2</sup>*VU University Medical Center*

**Mapping Genetically-Mediated Intracortical  
Covariance at High Levels of Resolution:  
Results from the NIH Pediatric Twin Study**

Eric Schmitt<sup>1</sup>, Rhoshel Lenroot<sup>2</sup>, Gregory Wallace<sup>2</sup>, Jason Lerch<sup>3</sup>, Kenneth Kendler<sup>1</sup>, Michael Neale<sup>1</sup>, & Giedd Jay<sup>2</sup>

<sup>1</sup>*Virginia Commonwealth University,* <sup>2</sup>*National Institute of Mental Health,* <sup>3</sup>*Hospital for Sick Children*

**Functional MRI During Performance of the  
Stroop Task in Monozygotic Twins Concordant  
or Discordant for  
Attention/Hyperactivity Problems**

Dennis van't Ent<sup>1</sup>, Hanne Lehn<sup>1</sup>, Eske Derks<sup>1</sup>, James Hudziak<sup>2</sup>, Niels van Strien<sup>3</sup>, Dick Veltman<sup>3</sup>, Eco de Geus<sup>1</sup>, Richard Todd<sup>4</sup>, & Dorret Boomsma<sup>1</sup>

<sup>1</sup>*VU University,* <sup>2</sup>*University of Vermont,* <sup>3</sup>*VU University Medical Center,* <sup>4</sup>*Washington University School of Medicine*

10:00 A.M.—10:30 A.M.

*Grand Ballroom, Salon H*

***Refreshment Break***

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10:30 A.M.—11:00 A.M.

*Grand Ballroom, Salon G*

***Award for Distinguished Early Career  
Contribution to Psychophysiology***

**To Err is Human: Multimodal Investigations of  
Performance Monitoring**

Markus Ullsperger, MD, PhD

Head of Independent Junior Research Group  
“Cognitive Neurology”

*Max Planck Institute for Neurological Research,  
Cologne, Germany*

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11:00 A.M.—12:00 NOON

*Grand Ballroom, Salon G*

***Presidential Address***

**It Was the Best of Times, it Was the Worst of  
Times: A Psychophysiological View of  
Cognitive Aging**

Monica Fabiani, PhD

Professor, Department of Psychology and  
Beckman Institute

*University of Illinois, Urbana-Champaign, IL*

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12:15 P.M.—2:15 P.M.

*Grand Ballroom, Salon G*

***Business Meeting and Luncheon***

(Pre-registration required;  
present your ticket when requested)

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2:15 P.M.

***Free Afternoon to Explore Austin!***

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7:00 P.M.—9:00 P.M.

*Grand Ballroom, Salon H*

***Poster Session III***

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9:00 P.M.—12:00 midnight

*Grand Ballroom, Salon G*

***Saturday Night Social***

*All attendees are welcome!*

**Sunday, October 5, 2008**

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8:00 A.M.—10:00 A.M.

*Grand Ballroom, Salon J****Farewell Breakfast****All attendees are welcome!*

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9:00 A.M.—12:30 P.M.

*Room 406****SPR Board of Directors Meeting******Conference Ends***



**Poster Session I**  
**Thursday, October 2, 2008**

*Poster Session Schedule*

8:00 A.M.—10:00 A.M.	Posters Assembled
10:00 A.M.—3:00 P.M.	Posters Available for Viewing
6:15 P.M.—8:15 P.M.	Authors Present for Discussion and Questions
8:15 P.M.—9:15 P.M.	Dismantle Posters

**1. Affective Modulation of the Startle Reflex in Specific Phobia**

Maria Isabel Viedma-del Jesus<sup>1</sup>, Luis Carlos Delgado-Pastor<sup>1</sup>, Izabela Mocaiber<sup>2</sup>, Mercedes Martínez<sup>1</sup>, Martina Carmona<sup>1</sup>, & Jaime Vila<sup>1</sup>  
<sup>1</sup>University of Granada, <sup>2</sup>Federal University of Rio de Janeiro

**2. The Modulation of Skin Conductance Response to a Defense Stimulus by Affective Sounds**

Marlene Figueroa, Jose L. Mata, Sonia Rodriguez-Ruiz, Miguel A. Muñoz, & M. Carmen Fernandez  
*University of Granada*

**3. Impaired Perception of Dyspnea and Pain After Right Insular Cortex Lesions**

Daniela Schön<sup>1</sup>, Michael Rosenkranz<sup>2</sup>, Jan Regensberger<sup>2</sup>, Bernhard Dahme<sup>1</sup>, Christian Büchel<sup>2</sup>, & Andreas von Leupoldt<sup>3</sup>  
<sup>1</sup>University of Hamburg, <sup>2</sup>University Medical Center Hamburg-Eppendorf, <sup>3</sup>University Medical Center Hamburg-Eppendorf of Hamburg

**4. Links Between the Perception of Dyspnea, Pain and Negative Affect**

Daniela Schön<sup>1</sup>, Bernhard Dahme<sup>1</sup>, & Andreas von Leupoldt<sup>2</sup>  
<sup>1</sup>University of Hamburg, <sup>2</sup>University of Hamburg, University Medical Center Hamburg-Eppendorf

5. **Neural Correlates of Self-Enhancement in Narcissists and Non-Narcissists**  
Elizabeth A. Krusemark, W. Keith Campbell, & Brett A. Clementz  
*University of Georgia*
6. **Task Parameters and Task-Switching: Not All Saccade Paradigms Are Created Equal**  
Lauren E. Ethridge<sup>1</sup>, Shefali Brahmabhatt<sup>2</sup>, Yuan Gao<sup>1</sup>, Jennifer E. McDowell<sup>1</sup>, & Brett A. Clementz<sup>1</sup>  
<sup>1</sup>*University of Georgia*, <sup>2</sup>*Washington University*
7. **Neural Consequences of Integrating Space- and Object-Based Visual Attention Requirements in a Single Task**  
Jun Wang<sup>1</sup>, Andreas Keil<sup>2</sup>, & Brett Clementz<sup>1</sup>  
<sup>1</sup>*University of Georgia*, <sup>2</sup>*University of Florida*
8. **How Does the Neighborhood Density and Lexicality Modulate Repetition Effects in the Reading of Chinese? An ERP Study**  
Chun-Hsien Hsu<sup>1</sup>, Chia-Ying Lee<sup>2</sup>, & Jie-Li Tsai<sup>3</sup>  
<sup>1</sup>*National Yang-Ming University, Taiwan*,  
<sup>2</sup>*Academia Sinica, Taiwan*, <sup>3</sup>*National Chengchi University, Taiwan*
9. **ERP Evidence of Early Semantic Access with a Randomized Semantic Priming Paradigm**  
Xin Zheng & Sidney J. Segalowitz  
*Brock University*
10. **Aging Decline in Cardiac Vagal Regulation: Implications for Complex Cognition?**  
Karen J. Mathewson, Jane Dywan, William J. Tays, & Sidney J. Segalowitz  
*Brock University*
11. **Subclinical Levels of Psychopathy Associated with an Affect-Specific Processing Deficit**  
Gillian E. S. Munro<sup>1</sup>, Jane Dywan<sup>2</sup>, Weimin Lim<sup>1</sup>, & Sidney J. Segalowitz<sup>2</sup>  
<sup>1</sup>*University of Waterloo*, <sup>2</sup>*Brock University*

- 12. Dynamic Measures of RSA, Emotional Distress And Regulation in Toddlers**  
Rebecca J. Brooker, Benjamin N. Deweese,  
Karyn A. Hartz, & Kristin A. Buss  
*The Pennsylvania State University*
- 13. Is He Mad at Me: Perceived Degree of Facial Anger and Potentiation of the Startle Response**  
Anthony L. Auriemmo & Greg Hajcak  
*Stony Brook University*
- 14. Picture and Context: The Relative Effects of Intrinsic and Extrinsic Factors on the Late Positive Potential**  
Annmarie MacNamara, Dan Foti, & Greg Hajcak  
*Stony Brook University*
- 15. The Number of Errors and Stability of the Error-Related Negativity**  
Doreen M. Olvet & Greg Hajcak  
*Stony Brook University*
- 16. Parsing Emotion: A Temporospatial Analysis of ERPS During Affective Picture Processing**  
Dan Foti<sup>1</sup>, Greg Hajcak<sup>1</sup>, & Joseph Dien<sup>2</sup>  
<sup>1</sup>*Stony Brook University*, <sup>2</sup>*University of Louisville*
- 17. Early and Late Effects in Event-Related Potentials Differentiate Visual Object Priming and Antipriming**  
Vaughn R. Steele<sup>1</sup>, Rebecca G. Deason<sup>1</sup>,  
Edward M. Bernat<sup>1</sup>, Christopher J. Patrick<sup>1</sup>,  
David M. Schnyer<sup>2</sup>, & Chad J. Marsolek<sup>1</sup>  
<sup>1</sup>*Department of Psychology, University of Minnesota*, <sup>2</sup>*Department of Psychology, University of Texas at Austin*

- 18. Now You See it, Now You Don't: Pre-Stimulus Electrophysiological Predictors of Subsequent Visual Awareness in Metacontrast Masking**  
Kyle E. Mathewson<sup>1</sup>, Gabriele Gratton<sup>1</sup>,  
Monica Fabiani<sup>1</sup>, Diane M. Beck<sup>1</sup>, & Tony Ro<sup>2</sup>  
<sup>1</sup>*University of Illinois at Urbana–Champaign*,  
<sup>2</sup>*Rice University*
- 19. Aging and Cognitive Control: Hemispheric Differences and White Matter Integrity in Global/Local Processing**  
Echo E. Leaver, Gabriele Gratton, & Monica Fabiani  
*University of Illinois at Urbana–Champaign*
- 20. Optical Changes During a Memory Search Task: Load Effects on Encoding, Maintenance, and Retrieval Processes in Younger and Older Adult**  
Brian A. Gordon, Nils Schneider, Gabriele Gratton, & Monica Fabiani  
*University of Illinois at Urbana–Champaign*
- 21. Movement Artifact Detection and Correction in Slow and Fast Optical Imaging**  
Nils Schneider, Edward L. Maclin, Gabriele Gratton, & Monica Fabiani  
*University of Illinois at Urbana–Champaign*
- 22. Frequency Analysis of Fast Optical Signals in a Working Memory Task**  
Chun-Yu Tse, Brian A. Gordon, Monica Fabiani, & Gabriele Gratton  
*University of Illinois at Urbana–Champaign*
- 23. Effects of Target Probability on Response-Related Oscillations**  
Yordan Hodzhev, Juliana Yordanova, Plamenka Nanova, & Vasil Kolev  
*Institute of Neurobiology, Bulgarian Academy of Sciences*

- 24. The Timecourse of Presaccadic Predictive Remapping in Humans**  
Nathan A. Parks & Paul M. Corballis  
*Georgia Institute of Technology*
- 25. Competitive Interaction Degrades Target Selection: An ERP Study**  
Matthew R. Hilimire<sup>1</sup>, Jeffrey R. W. Mounts<sup>2</sup>,  
Nathan A. Parks<sup>1</sup>, & Paul M. Corballis<sup>1</sup>  
<sup>1</sup>*Georgia Institute of Technology*, <sup>2</sup>*SUNY Geneseo*
- 26. From Bad to Worse: Mutual Effects of Threat of Shock and Aversive Perception**  
Vincent D. Costa, Margaret M. Bradley, &  
Peter J. Lang  
*University of Florida*
- 27. Threat of Suffocation? Defensive Activation and Respiratory Load**  
Bethany C. Wangelin<sup>1</sup>, Francesco Versace<sup>2</sup>,  
Margaret M. Bradley<sup>1</sup>, Paul Davenport<sup>1</sup>, &  
Peter J. Lang<sup>1</sup>  
<sup>1</sup>*University of Florida*, <sup>2</sup>*M.D. Anderson Cancer Center*
- 28. Individual Differences in Error-Related ERPS in College Students With and Without ADHD**  
Wen-Pin Chang, William J. Gavin, & Patricia L. Davies  
*Colorado State University*
- 29. Reliability of P50 Sensory Gating Measures in Children and Adults**  
Carly A. Yadon, Wen-Pin Chang, Patricia L. Davies, & William J. Gavin  
*Colorado State University*
- 30. Need a Smoke? Motivated Attention in Abstinent Smokers**  
Jeffrey M. Engelmann & Bruce N. Cuthbert  
*University of Minnesota*

- 31. Quick Pics: Blocked vs Randomized Valence in Sustained Emotional Picture Presentation**  
Daniel J. Goldman, Michelle A. Roth, Julia K. Langer, & Bruce N. Cuthbert  
*University of Minnesota*
- 32. Developmental Patterns of Emotion Regulation Capabilities Among Children and Adolescents**  
Cory A. Burghy-Jackson, Nicholas Schwab, Nicole K. Trautman, Jennifer Gray, Narina Nunez, Maurissa Radakovich, & Daren C. Jackson  
*University of Wyoming*
- 33. Structured Emotion Regulation Task Allows Depressed Participants to Down-Regulate Unpleasant Emotions**  
Christen M. Deveney, Daniel G. Dillon, & Diego A. Pizzagalli  
*Harvard University*
- 34. Resting Anterior Cingulate Gamma Activity and Adaptive Stroop Performance: Further Evidence of Frontocingulate Dysregulation in Major Depression**  
Avram J. Holmes, & Diego A. Pizzagalli  
*Harvard University*
- 35. Emotional Numbing Symptoms Predicts Cortisol Awakening Responses**  
André Vieira<sup>1</sup>, Nastassja L. Fischer<sup>1</sup>, Ana Carolina F. Mendonça-de-Souza<sup>1</sup>, Evandro Coutinho<sup>2</sup>, Ivan Figueira<sup>1</sup>, & Eliane Volchan<sup>1</sup>  
<sup>1</sup>*Federal University of Rio de Janeiro*, <sup>2</sup>*Oswaldo Cruz Foundation*

**36. Immobility Reactions Modulate Cortisol Response to a Psychosocial Stress Task in Peacekeepers**

Ana Carolina F. Mendonça-de-Souza<sup>1</sup>, Wanderson Souza<sup>2</sup>, Nastassja L. Fischer<sup>1</sup>, André Vieira<sup>1</sup>, Antônio F. A. Duarte<sup>3</sup>, Evandro Coutinho<sup>2</sup>, Ivan Figueira<sup>1</sup>, & Eliane Volchan<sup>1</sup>  
<sup>1</sup>Federal University of Rio de Janeiro, <sup>2</sup>Oswaldo Cruz Foundation, <sup>3</sup>Physical Research Institute of Brazilian Army

**37. Modulation of Attentional Bradycardia by Distractive Affective Pictures**

Izabela Mocaiber<sup>1</sup>, Pandelis Perakakis<sup>2</sup>, Mirtes G. Pereira<sup>3</sup>, Walter M. Pinheiro<sup>3</sup>, Eliane Volchan<sup>1</sup>, Jaime Vila<sup>2</sup>, & Let'cia Oliveira<sup>3</sup>  
<sup>1</sup>Federal University of Rio de Janeiro, <sup>2</sup>University of Granada, <sup>3</sup>Federal Fluminense University

**38. Now You See it, Now You Don't: Affective Modulation of Picture Viewing and Mental Imagery**

Elizabeth R. Duval, Diane L. Filion, Melisa Rempfer, & Tamera Murdock  
*University of Missouri, Kansas City*

**39. An ERP Study of Placebo Analgesia**

Per M. Aslaksen, Elisabeth Sjølie, Line Solbakken, Sara M. Vambheim, & Magne Arve Flaten  
*University of Tromsø*

**40. Mood as Motivation? Systolic Blood Pressure Reactivity Indicates 'No'**

Joana de Burgo & Guido H. E. Gendolla  
*University of Geneva*

**41. Depression and Inhibition Associated with Reduced ACC Theta and PFC Alpha**

Rebecca L. Levin<sup>1</sup>, David N. Towers<sup>1</sup>, J. Christopher Edgar<sup>1,2</sup>, Anna S. Engels<sup>1</sup>, Wendy Heller<sup>1</sup>, & Gregory A. Miller<sup>1</sup>  
<sup>1</sup>University of Illinois at Urbana-Champaign, <sup>2</sup>Children's Hospital of Philadelphia

**42. Differential Functional Lateralization  
in Anxiety**

Anna S. Engels<sup>1</sup>, Jeffrey M. Spielberg<sup>1</sup>, Stacie L. Warren<sup>1</sup>, Bradley P. Sutton<sup>1</sup>, Marie T. Banich<sup>2</sup>, Wendy Heller<sup>1</sup>, & Gregory A. Miller<sup>1</sup>

<sup>1</sup>*University of Illinois at Urbana–Champaign,*

<sup>2</sup>*University of Colorado Boulder*

**43. The Effects of Habituation and Novelty on  
Amygdala Bold-Activity Evoked by  
Emotional Arousal**

Julia Wendt, Almut I. Weike, & Alfons O. Hamm

*University of Greifswald*

**44. Low Resting Heart Rate Variability Predicts  
Increased Fear-Potentiated Startle During  
Anticipation of Shock**

Christiane A. Melzig<sup>1</sup>, Almut I. Weike<sup>1</sup>, Julian F. Thayer<sup>2</sup>, & Alfons O. Hamm<sup>1</sup>

<sup>1</sup>*University of Greifswald,* <sup>2</sup>*The Ohio State University*

**45. Cardiac Vagal Reactivity and  
Dual-Process Reasoning**

Karim S. Kassam, Katrina R. Koslov, & Wendy Berry Mendes

*Harvard University*

**46. Social Sensitivity: The Effect of Vagal  
Modulation on Person Perception**

Katrina R. Koslov & Wendy Mendes

*Harvard University*

**47. Contributions of Dynamic Attentional  
Processes to Mechanisms of Temporal  
Representation: A Mismatch Negativity Study**

Molly A. Erickson & William P. Hetrick

*Indiana University, Bloomington*



- 48. N2 Amplitude Reflects Parametric Manipulation of Conflict and Subsequent Control Adjustment**  
Sarah E. Forster<sup>1</sup>, Jonathan D. Cohen<sup>2</sup>,  
Cameron S. Carter<sup>3</sup>, & Raymond Y. Cho<sup>1</sup>  
<sup>1</sup>*University of Pittsburgh*, <sup>2</sup>*Princeton University*,  
<sup>3</sup>*University of California at Davis*
- 49. Neural Mechanisms in the Regulation of Racially-Biased Behavior: The Moderating Effects of Facial Expression**  
Jeni Kubota, Jordan Wood, & Tiffany A. Ito  
*University of Colorado Boulder*
- 50. Physiological Correlates in the Assessment of the Perceived Reality of Fictional Narratives**  
Wesley T. Wise, Elizabeth N. Siegrist, Jessica D. Freeman, Wendy Maxian, & Samuel D. Bradley  
*Texas Tech University*
- 51. Using the Startle Reflex to Assess Emotional Reactions to Goal-Oriented Media Use**  
Wendy Maxian  
*Texas Tech University*
- 52. Neural Effects of Exposure to Emotional Faces: Human and Animal Cartoons vs. Human and Animal Photographs**  
Sungkyoung Lee, Sunah Kim, Ryan A. Stevenson, Thomas W. James, & Annie Lang  
*Indiana University*
- 53. The Cardiovascular and Memory Effects of Carotid Baroreceptor Stimulation**  
Victoria B. Egizio & J. R. Jennings  
*University of Pittsburgh*

- 54. Beating Hearts and Sweaty Palms: Mean Skin Conductance Response During Fear Conditioning is Larger for Those with Lower Resting Respiratory Sinus Arrhythmia**  
Colleen A. Ray, Brad H. Sokal, John J. B. Allen, & Alfred W. Kaszniak  
*University of Arizona*
- 55. Prelude and Requiem to an Error: EEG Synchrony Reveals the Ongoing Dynamics of Performance Monitoring**  
James F. Cavanagh, Mike X. Cohen, & John J. B. Allen  
*University of Arizona*
- 56. Things Are Going Worse Than Expected: An Examination of Neural Systems Altered by Stress**  
James F. Cavanagh, Michael J. Frank, & John J. B. Allen  
*University of Arizona*
- 57. The Psychophysiology of Terror Management: Mortality Salience Decreases Respiratory Sinus Arrhythmia**  
Spee Kosloff, John J. B. Allen, & Jeff Greenberg  
*University of Arizona*
- 58. Evaluating Yourself: What's Episodic Memory Got to Do with It?**  
Heather Henkell<sup>1</sup>, Elizabeth J. Simon<sup>1</sup>, Margo Kakoullis<sup>2</sup>, Elizabeth Diamond<sup>2</sup>, Elizabeth Murray<sup>1</sup>, & Ray Johnson<sup>2</sup>  
<sup>1</sup>*The Graduate Center, The City University of New York*, <sup>2</sup>*Queens College/CUNY*
- 59. Age-Related Changes in the Use of Sentential Context**  
Edward W. Wlotko<sup>1</sup>, Kara D. Federmeier<sup>1</sup>, & Marta Kutas<sup>2</sup>  
<sup>1</sup>*University of Illinois at Urbana–Champaign*,  
<sup>2</sup>*University of California, San Diego*

- 60. Uncovering the Functional Significance of the P2 Repetition Effect**  
Karen M. Evans & Kara D. Federmeier  
*University of Illinois at Urbana–Champaign*
- 61. Moderating Effects of Heart Rate on the Prediction of Functional Outcome in Schizophrenia**  
Jane C. Sun<sup>1</sup>, Michael F. Green<sup>1</sup>, Keith Nuechterlein<sup>1</sup>, Kimmy S. Kee<sup>1</sup>, Mark Sergi<sup>2</sup>, Junghee Lee<sup>1</sup>, Gerhard Hellemann<sup>1</sup>, Tyrone Cannon<sup>1</sup>, Kenneth Subotnik<sup>1</sup>, & Cindy M. Yee<sup>1</sup>  
<sup>1</sup>*University of California at Los Angeles*,  
<sup>2</sup>*California State University Northridge*
- 62. Sigh Rate During Mental Stress**  
Elke Vlemincx, Katrien Van Damme, Tine Adriaensen, Joachim Taelman, Ans Wittebrood, Anouk Peeters, Steven De Peuter, Ilse Van Diest, Arthur Spaepen, & Omer Van Den Bergh  
*University of Leuven*
- 63. Visual Scanning of Emotional Faces and Emotion Recognition in Frontotemporal Lobar Degeneration**  
Joyce W. Yuan, Janet Eckart, Madeleine Goodkind, Virginia E. Sturm, & Robert W. Levenson  
*University of California at Berkeley*
- 64. Male Stonewalling vs. Avoidance During Marital Conflict: Distinct Behaviors, Distinct Consequences**  
Sarah R. Holley, Lian Bloch, & Robert W. Levenson  
*University of California at Berkeley*
- 65. Big Hearts, Big Pockets: Greater Heart Rate Reactivity Predicts Greater Giving**  
Jocelyn A. Sze, Madeleine S. Goodkind, Anett Gyurak, & Robert W. Levenson  
*University of California at Berkeley*

- 66. Exploring Voluntary and Involuntary Autonomic Responses**  
Thomas J. Pardikes, Bruce H. Friedman, Ben Allen, Chad L. Stephens, Rachael Ramsey, & Laura Tiffin  
*Virginia Polytechnic Institute and State University*
- 67. Autonomic Specificity of Basic Emotions**  
Chad L. Stephens, Rachael E. Ramsey, & Bruce H. Friedman  
*Virginia Tech*
- 68. The Longitudinal Association Between P3 Brain Amplitude in Subjects Diagnosed with Childhood Disruptive Disorders During Preadolescence**  
Henry H. Yoon, Stephen M. Malone, & William G. Iacono  
*University of Minnesota*
- 69. P300 Amplitude Reduction as an Index of Externalizing Psychopathology: A Longitudinal Analysis Using Time-Domain Principal Components Analysis**  
Greg Perlman, Ed M. Bernat, Steve M. Malone, & William G. Iacono  
*University of Minnesota*
- 70. The Effects of Acute Aerobic Exercise on the Cognitive Control of Attention and Academic Achievement in Preadolescent Children**  
Matthew B. Pontifex<sup>1</sup>, Lauren B. Raine<sup>1</sup>, Brian N. Witten<sup>1</sup>, Darla M. Castelli<sup>1</sup>, Eric E. Hall<sup>2</sup>, & Charles H. Hillman<sup>1</sup>  
<sup>1</sup>*University of Illinois at Urbana–Champaign*,  
<sup>2</sup>*Elon University*
- 71. The Influence of MTBI History on the Cognitive Control of Conflict Monitoring**  
Matthew B. Pontifex, Phillip M. O'Connor, Steven P. Broglio, & Charles H. Hillman  
*University of Illinois at Urbana–Champaign*

- 72. Time-Frequency Analysis of Error Response- and Feedback-Locked Brain Potentials in a Reinforcement Learning Task**  
Lindsay D. Nelson, Luke A. Kane, Justin L. Jobelius, Edward M. Bernat, & Christopher J. Patrick  
*University of Minnesota*
- 73. Affective Pictures Presented as Unexpected Stimuli in an Oddball Task Produce an Increased Late Positive Potential (LPP)**  
Corinne Harrison, Edward M. Bernat, & Christopher J. Patrick  
*University of Minnesota*
- 74. Source Localization of Time and Time-Frequency Measures of the ERN**  
Uma Vaidyanathan<sup>1</sup>, Edward M. Bernat<sup>1</sup>, Selin Aviyente<sup>2</sup>, & Christopher J. Patrick<sup>1</sup>  
<sup>1</sup>*University of Minnesota*, <sup>2</sup>*Michigan State University*
- 75. Reciprocal Autonomic Regulation in Mother-Child Dyads During the Still Face Paradigm**  
Senta A. Furman, Keri Heilman, Rodolfo Gatto, Greg Lewis, Mika Handelman, Emily Harden, & Stephen W. Porges  
*University of Illinois at Chicago*
- 76. Video Thermography for Cardiopulmonary Signal Extraction**  
Gregory F. Lewis, Rodolfo G. Gatto, & Stephen W. Porges  
*University of Illinois at Chicago*
- 77. Affective Processing in Migraine-Type Headache: Psychophysiological Responses to Emotionally-Charged Stimuli**  
Emily J. Bartley, Emily J. Main, Amy E. Williams, Klanci M. McCabe, Jennifer L. Russell, Mary C. Chandler, Carl P. Lattimore, Kara L. Kerr, & Jamie L. Rhudy  
*University of Tulsa*

- 78. Physiawelogy: Awe and the Autonomic Nervous System**  
Samantha L. Neufeld, Stephanie E. Moser, Wan H. Yeung (Ellen), & Michelle N. Shiota  
*Arizona State University*
- 79. The N400 Effect: Semantic vs. Evaluative Incongruity**  
Jennifer H. Taylor, Stephen L. Crites, Guadalupe Corral, & Katherine R. White  
*University of Texas at El Paso*
- 80. Distinguishing Visual Search and Working Memory via Cortical and Heart-Rate Responses**  
Pandelis Perakakis<sup>1</sup>, Jaime Vila<sup>1</sup>, Walter Machado-Pinheiro<sup>2</sup>, Pedro Guerra<sup>1</sup>, Aydamari Faria<sup>2</sup>, Isabel Antunez<sup>2</sup>, & Lourdes Anllo-Vento<sup>1</sup>  
<sup>1</sup>*University of Granada*, <sup>2</sup>*Federal Fluminense University*
- 81. The Effects of Threat on Task-Switching in Anxiety: Evidence from Eye-Movements During an Antisaccade Task**  
Tahereh L. Ansari & Nazanin Derakshan  
*Birkbeck University of London*
- 82. Performance Under Pressure: Frontal Asymmetry and Emotion Regulation**  
Ron N. Goodman, Jeremy C. Rietschel, Li-Chuan Lo, Nimish Sane, Michelle Costanzo, & Brad D. Hatfield  
*University of Maryland*
- 83. ACC Boosted!—Improvements of Go/NoGo Performance by Short Term Realtime Neurofeedback**  
Tilman J. Gaber<sup>1</sup>, Ralf Veit<sup>2</sup>, Sitaram Ranganatha<sup>2</sup>, Eva Engel<sup>2</sup>, Kamil Uludag<sup>1</sup>, & Niels Birbaumer<sup>2</sup>  
<sup>1</sup>*Max Planck Institute of Biological Cybernetics*,  
<sup>2</sup>*Institute of Medical Psychology and Behavioral Neurobiology, University of Tuebingen*

- 84. Coming Up Next! Event-Related Potential Evidence for Word Level Prediction in the Cerebral Hemispheres**  
Padmapriya Kandhadai & Kara D. Federmeier  
*University of Illinois at Urbana–Champaign*
- 85. Put Your Money Where Your Heart Is: Affective Influences on Financial Investment Decisions**  
Julie L. Hall, Richard Gonzalez, & Oliver C. Schultheiss  
*University of Michigan*
- 86. Physiological Responses to the Manipulation of Violence During a Primetime Drama**  
Soyoung Bae, Andrew J. Weaver, & Robert F. Potter  
*Indiana University, Bloomington*
- 87. Lag-1 Sparing Effect During Attentional Blink Influences P3 Components**  
Fumihito Morimoto & Akihiro Yagi  
*Kwansei Gakuin University*
- 88. Threats from Within the Body: Interoceptive Conditioning of Fear**  
Meike Pappens, Ilse Van Diest, Deb Vansteenwegen, Steven De Peuter, & Omer Van Den Bergh  
*Catholic University of Louvain*
- 89. Drop-Outs in Experimental Pain Research: Are There Differences in Psychophysiological Emotional Processing?**  
Kara L. Kerr, Emily J. Bartley, Mary C. Chandler, Emily J. Main, Klanci M. McCabe, Jennifer L. Russell, Carl P. Lattimore, Amy E. Williams, & Jamie L. Rhudy  
*The University of Tulsa*

- 90. Emotional Controls (ECON) of Pain and the Nociceptive Flexion Reflex: Is Response Habituation a Problem?**  
Mary C. Chandler, Emily J. Bartley, Amy E. Williams, Klanci M. McCabe, Jennifer L. Russell, Carl P. Lattimore, Emily J. Main, & Jamie L. Rhudy  
*The University of Tulsa*
- 91. Impulsivity, Gender, and Differential Sympathetic Activity**  
Ben Allen, Bruce H. Friedman, Thomas J. Pardikes, Laura E. Tiffin, & Chad L. Stephens  
*Virginia Polytechnic Institute and State University*
- 92. Predicting Startle Latency to Threat-Relevant Stimuli from Infant Temperament**  
Cat Thrasher, Vanessa Lobue, James A. Coan, & Judy S. DeLoache  
*University of Virginia*
- 93. The Negativity Bias in the Late Positive Potential (LPP) is Predicted by Executive Functioning in Older Adults**  
Shannon M. Foster, Hasker P. Davis, & Michael A. Kisley  
*University of Colorado at Colorado Springs*
- 94. Comparison of the Error-Related Negativity and the Medial Frontal Negativity: A Principal Component Analysis**  
Siri-Maria Kamp<sup>1</sup>, Geoffrey F. Potts<sup>1</sup>, Laura E. Martin<sup>2</sup>, & Emanuel Donchin<sup>1</sup>  
<sup>1</sup>*University of South Florida*, <sup>2</sup>*University of Kansas Medical Center*
- 95. Motivational Context and Individual Differences Modulate the Neural Underpinnings of Risk**  
Hani D. Freeman & Jennifer S. Beer  
*University of Texas at Austin*



- 96. Is the N400 Moody? An ERP Investigation of How Affect Affects Language Processing**  
Kim Sweeney & Marta Kutas  
*University of California, San Diego*
- 97. Affective Startle Modulation with Implicit and Explicit Viewings of Emotional Faces**  
Adrian Chapman & Miller Anita  
*Skidmore College*
- 98. Psychophysiological Correlates of Performance Anxiety During a Public Concert and a Public Speech**  
Susanne Gorges, Georg W. Alpers, & Paul Pauli  
*University of Würzburg, Germany*
- 99. ERPs Waveforms Are Modulated by Stimuli Motivational Value Independently from its Probability of Occurrence in What Concerns Love Emotions**  
Luciana R. Gomes<sup>1</sup>, Isabel B. Fonseca<sup>1</sup>,  
Armando M. Oliveira<sup>2</sup>, & Nuno F. Costa<sup>3</sup>  
<sup>1</sup>*Faculty of Psychology, Lisbon University,* <sup>2</sup>*Faculty of Psychology, Coimbra University,* <sup>3</sup>*Faculty of Medicine, Lisbon University*
- 100. RSAtoolbox: A Matlab Toolbox for Controlling Individual Effects of Breathing Frequency and Volume on Respiratory Sinus Arrhythmia**  
Stefan M. Schulz<sup>1</sup>, Georg W. Alpers<sup>1</sup>, Alexander L. Gerlach<sup>2</sup>, Bernhard Dahme<sup>3</sup>, & Thomas Ritz<sup>4</sup>  
<sup>1</sup>*University of Würzburg, Germany,* <sup>2</sup>*University of Muenster,* <sup>3</sup>*University of Hamburg,* <sup>4</sup>*Southern Methodist University*
- 101. Affectively Modulated Postauricular Responding and Dysphoria**  
Arthur R. Sandt<sup>1</sup> & Denise M. Sloan<sup>2</sup>  
<sup>1</sup>*Temple University,* <sup>2</sup>*National Center for PTSD, VA Boston Healthcare System*

**102. Frontolimbic Responses in Early Adolescent Self-Evaluation**

Ida Moadab<sup>1</sup>, Tara Gilbert<sup>1</sup>, Thomas J. Dishion<sup>1</sup>, & Don M. Tucker<sup>2</sup>

<sup>1</sup>University of Oregon, <sup>2</sup>Electrical Geodesics, Inc.

**103. Reduced Error-Related Phase Synchrony in Externalizing**

Noah C. Venables<sup>1</sup>, Edward M. Bernat<sup>1</sup>, Selin Aviyente<sup>2</sup>, & Christopher J. Patrick<sup>1</sup>

<sup>1</sup>University of Minnesota, <sup>2</sup>Michigan State University

**104. Differences in Cerebral Lateralization of Heart Rate and Time Estimation as a Function of Hostility Level**

Alissa Kate Holland, Joseph E. Carmona, David Flaherty, Thomas Belcher, Robert Walters, & David W. Harrison

Virginia Polytechnic Institute and State University

**105. The Not So Itsy Spider: Toddlers' Cardiovascular Activity and Fear Behaviors in Response to a Spider Approach**

Amy E. Dribin, Rachel L. Hutt, John R. Interrante, & Kristin A. Buss

Pennsylvania State University

**106. What Attentional Blink Can Tell Us About Dissociation**

Aileen Echiverri<sup>1</sup>, Lori Zoellner<sup>1</sup>, Tiffany Mueller<sup>2</sup>, & Kendra Cornik<sup>1</sup>

<sup>1</sup>University of Washington, <sup>2</sup>University of Missouri

**107. Event-Related Functional MRI Activation During Guided Facial Movements**

Hillary S. Schaefer & James A. Coan  
University of Virginia

**108. An Influence of Task Switching on Error Processing**

Asuka M. A. Murata & Jun'ichi Katayama  
Hokkaido University

**109. Emotion Regulation and Cardiovascular Response in Patients with Seizure Disorders**

Michael J. Devine, Dana J. Weber, Kristin Sergeant, Amy Larson, Mary H. Burleson, & Nicole A. Roberts  
*Arizona State University*

**110. Trait Approach/Avoidance Motivation and Neural Processes Associated with Cognition**

Jeffrey M. Spielberg, Wendy Heller, Anna S. Engels, Rebecca L. Levin, & Gregory A. Miller  
*University of Illinois at Urbana–Champaign*

**111. Training on Foreign Accents and Prior Musical Instrument Training Influence Topographical Differences During Lexical Decision**

Chelsea D. Fenush, Victoria A. Kazmerski, Dawn G. Blasko, & Samantha M. Dedionisio  
*Penn State Erie, The Behrend College*

**112. Reduced P300 Amplitude in Criminal Psychopathy is Related to Externalizing Tendencies**

Noah C. Venables, Elizabeth Reich, Edward M. Bernat, Jason R. Hall, & Christopher J. Patrick  
*University of Minnesota*

**113. Dual Pathways to Psychopathy: Relations with Skin Conductance Reactivity**

Lilian N. Dindo & Don C. Fowles  
*University of Iowa*

**114. Feedback-Related Negativity Reflects the Evaluation of Outcomes Effected on “Me”**

Shun Itagaki<sup>1</sup>, Jun'ichi Katayama<sup>2</sup>, & Kazuo Hiraki<sup>1</sup>

<sup>1</sup>*The University of Tokyo*, <sup>2</sup>*Hokkaido University*

**115. Electrophysiological Activity During Emotional Stroop Performance in Chronic Pain After Traumatic Motor Vehicle Accidents**

Sandra Schönfelder<sup>1</sup>, Christina Lioffi<sup>2</sup>, Anna Jepson<sup>2</sup>, Victoria Rose<sup>2</sup>, Clemens Kirschbaum<sup>1</sup>, Lusja Stopa<sup>2</sup>, & Anke Karl<sup>2</sup>

<sup>1</sup>*University of Technology Dresden*, <sup>2</sup>*University of Southampton*

**116. Cognitive Style and Frontal EEG Asymmetry During Increased Goal-Striving in Bipolar Disorder**

Kim E. Goldstein<sup>1</sup>, Carly K. Peterson<sup>2</sup>, Eddie Harmon-Jones<sup>2</sup>, Lauren B. Alloy<sup>1</sup>, Evan M. Kleiman<sup>1</sup>, Robin Nusslock<sup>3</sup>, Daniel Reilly<sup>1</sup>, Lyn Y. Abramson<sup>3</sup>, Wayne G. Whitehouse<sup>1</sup>, & Shimrit Koren<sup>1</sup>

<sup>1</sup>*Temple University*, <sup>2</sup>*Texas A&M University*,  
<sup>3</sup>*University of Wisconsin—Madison*

**117. Two Independent Components Related the ERN**

Bai Yu<sup>1</sup>, Matsumoto Atsushi<sup>2</sup>, Kimura Motohiro<sup>1</sup>, Miyakoshi Makoto<sup>3</sup>, Kanayama Noriaki<sup>1</sup>, & Ohira Hideki<sup>1</sup>

<sup>1</sup>*Nagoya University*, <sup>2</sup>*National Institute for Physiological Sciences*, <sup>3</sup>*National Institute for Longevity Sciences*

**118. The Latency of the Instructed and Conditioned Fear Reaction to Stimuli Signalling Pain**

Ole Sli & Magne A. Flaten  
*University of Tromsø*

**119. Children's Physiological Reactivity to Feedback: Individual Differences in Performance and Temperament**

Jennifer M. McDermott & Nathan A. Fox  
*University of Maryland*

- 120. Working ‘Harder’ But Not ‘Smarter’:  
Electrophysiological Evidence for Cortical  
Inefficiency in Depressive Participants**  
Jason W. Kropf, Jacqueline M. Kostelec,  
Ashley M. Malooly, Jennifer L. Petrongolo, &  
Robert F. Simons  
*University of Delaware*
- 121. Posterior P2 Reflects the Complexity of  
Mental Imagery Representation**  
Keiko Yamazaki & Jun’ichi Katayama  
*Hokkaido University*
- 122. Baseline RSA Predicts Spontaneous and  
Learned Reappraisal to Positive and Negative  
Emotional Stimuli**  
Rachael N. Volokhov & Heath A. Demaree  
*Case Western Reserve University*
- 123. Individual Differences in Cognitive Control  
Are Associated with Cortisol Reactivity**  
Alexandra Amen, Jessica Dodd, Stephanie L.  
Fineman, & Rebecca J. Compton  
*Haverford College*
- 124. Tracking Auditory Pattern Learning with  
Single-Trial Event Related Potentials**  
Rune A. Eikeland, Kristiina Kompus, & Tom  
Eichele  
*University of Bergen*
- 125. Imagine That! ERPs Provide Evidence for  
Distinct Hemispheric Contributions to the  
Processing of Concrete and Abstract Concepts**  
Hsu-Wen Huang<sup>1</sup>, Chia-Lin Lee<sup>2</sup>, & Kara D.  
Federmeier<sup>2</sup>  
<sup>1</sup>*National Yang-Ming University, Taiwan,*  
<sup>2</sup>*University of Illinois at Urbana–Champaign*

**126. Psychophysiological Characteristics****Associated with High Psychopathic Traits in a Non-Incarcerated College Sample**

Nathaniel E. Anderson<sup>1</sup>, Li Wan<sup>2</sup>, Jessica D. Davies<sup>1</sup>, Keith A. Young<sup>2</sup>, & Matthew S. Stanford<sup>1</sup>

<sup>1</sup>*Baylor University*, <sup>2</sup>*Texas A&M Health Science Center*

**127. The Effect of Exercise on the Late-Positive Potential Evoked During Affective Picture Viewing**

Morgan Shields, Qu Tian, Jennifer Payton, & J. Carson Smith

*University of Wisconsin—Milwaukee*

**128. Neuroelectric Assessment of Binge Drinking**

Kelly E. Courtney<sup>1</sup> & John Polich<sup>2</sup>

<sup>1</sup>*San Diego State University*, <sup>2</sup>*The Scripps Research Institute*

**129. The P3A as an Index of Task Switching: Evidence from Novel, Task Switch, and No-Go Stimuli**

Aminda J. O'Hare, Cody Wolcott, & Joseph Dien

*University of Kansas*

**130. Difficulty Disengaging from Affective Stimuli in Anxiety: Converging Evidence of Reaction Time and Eye Movement**

Ryan B. Matlow<sup>1</sup>, David E. Gard<sup>2</sup>, David J. Berg<sup>3</sup>, Margareta Krausova<sup>2</sup>, & Rachel Jones<sup>2</sup>

<sup>1</sup>*University of Denver*, <sup>2</sup>*San Francisco State University*, <sup>3</sup>*University of Southern California*

- 131. Activation of the Reflexive and Reflective Systems While Viewing Members of Artificial and Naturally Occurring Groups: An fMRI Study**  
John P. Ryan<sup>1</sup>, Tricia Z. King<sup>1</sup>, David A. Washburn<sup>1</sup>, Richard T. Amoss<sup>1</sup>, & Eric J. Vanman<sup>2</sup>  
<sup>1</sup>Georgia State University, <sup>2</sup>University of Queensland
- 132. Acute Stress Modulates Visual Evoked Fields to Emotional And Neutral Stimuli**  
Ludger Elling<sup>1</sup>, Markus Junghofer<sup>1</sup>, Harald Schupp<sup>2</sup>, & Christian Putsche<sup>1</sup>  
<sup>1</sup>University of Muenster, <sup>2</sup>University of Konstanz
- 133. Neural Networks Underlying Narrative Emotional Imagery**  
Vincent D. Costa, Versace Francesco, Margaret M. Bradley, & Peter J. Lang  
*University of Florida*
- 134. Perseverative Responding and P3 Latency in Alcohol Dependence**  
Whitney R. Creager<sup>1</sup>, Nicolas J. Schlienz<sup>2</sup>, & Rebecca J. Houston<sup>1</sup>  
<sup>1</sup>Research Institute on Addictions/University at Buffalo, <sup>2</sup>University at Buffalo, SUNY
- 135. Neural Phase Synchrony During Resting State in Schizophrenia Patients and Their Unaffected Biological Relatives**  
Seung Suk Kang<sup>1</sup>, Noah C. Venables<sup>1</sup>, Edward M. Bernat<sup>1</sup>, Aiyente Selin<sup>2</sup>, & Scott R. Sponheim<sup>1</sup>  
<sup>1</sup>University of Minnesota, <sup>2</sup>Michigan State University

- 136. The Heart Recognizes Valence When Recognition Does Not: A Confirmation of Binding Theory with Homogenous Lists of Positive, Negative and Neutral Images**  
Gregory E. Devore<sup>1</sup>, Brenda Aguirre<sup>2</sup>, Derek Becker<sup>2</sup>, Paul Haerich<sup>1</sup>  
<sup>1</sup>*Loma Linda University*, <sup>2</sup>*California State University, San Bernardino*
- 137. The Influence of Race and Sex on the Relationship Between PTSD Status and Cardiovascular Responding**  
Alison Eonta<sup>1</sup>, Scott R. Vrana<sup>2</sup>, Jean C. Beckham<sup>3</sup>, & Michelle F. Dennis<sup>4</sup>  
<sup>1</sup>*Virginia Commonwealth University*, <sup>2</sup>*University of Illinois at Urbana–Champaign*, <sup>3</sup>*Duke University Medical Center and Durham VAMC*, <sup>4</sup>*Durham VAMC*
- 138. The Collision of Efficacy and Emotional Tone in Anti-Smoking Messages**  
Stephanie Miles & Paul D. Bolls  
*University of Missouri*
- 139. Rapid Differentiation of Novel Ingroup vs. Outgroup Members Revealed by Event-Related Potentials**  
Kyle G. Ratner, Kandy A. Bahadur, & David M. Amodio  
*New York University*
- 140. The Impact of Choice on the Affective Startle Modulation: Evidence for Decreased Defensive Response**  
Alexander Genevsky, David E. Gard, Shanna Cooper, Rose Broome, Shannon L. Washington, & Lily Shehabi  
*San Francisco State University*



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**141. EEG-Correlates of Mood Induction in Older Adults**

Christiane Berndt<sup>1</sup>, Romola S. Bucks<sup>2</sup>, Ulrich Buhss<sup>1</sup>, Sirko Rabe<sup>3</sup>, & Anke Karl<sup>4</sup>

<sup>1</sup>*Technical University of Dresden*, <sup>2</sup>*University of Western Australia*, <sup>3</sup>*Saxonian Hospital Groschweidnitz*, <sup>4</sup>*University of Southampton*

**Poster Session II**  
**Friday, October 3, 2008**

*Poster Session Schedule*

8:00 A.M.—10:00 A.M.	Posters Assembled
10:00 A.M.—3:00 P.M.	Posters Available for Viewing
6:00 P.M.—8:00 P.M.	Authors Present for Discussion and Questions
8:00 P.M.—9:00 P.M.	Dismantle Posters

**1. Differential Electro cortical Response to Drug Stimuli Between Cocaine Addicts and Healthy Controls**

Jonathan P. Dunning<sup>1</sup>, Greg Hajcak<sup>1</sup>,  
Muhammad A. Parvaz<sup>2</sup>, Thomas Maloney<sup>2</sup>,  
Nelly Alia-Klein<sup>2</sup>, Patricia A. Woicik<sup>2</sup>, Frank  
Telang<sup>2</sup>, Gene-Jack Wang<sup>2</sup>, Nora D. Volkow<sup>3</sup>, &  
Rita Z. Goldstein<sup>2</sup>

<sup>1</sup>*Stony Brook University*, <sup>2</sup>*Brookhaven National  
Laboratory*, <sup>3</sup>*National Institute on Drug Abuse*

**2. Psychophysiological Responses to Graded Threat Cues**

Claude Castille & Greg Hajcak  
*Stony Brook University*

**3. Associations Between Maternal Depression, the Serotonin Transporter Promoter Region Polymorphism, and Electroencephalographic Asymmetries in Preschool-Aged Children**

Dana C. Torpey<sup>1</sup>, Gerard E. Bruder<sup>2</sup>, Lea R.  
Dougherty<sup>1</sup>, Elizabeth P. Hayden<sup>3</sup>, Jiyon Kim<sup>1</sup>,  
Flannery E. Murphy<sup>1</sup>, Jennie Park<sup>4</sup>, Stewart A.  
Shankman<sup>5</sup>, Craig E. Tenke<sup>2</sup>, & Daniel N.  
Klein<sup>1</sup>

<sup>1</sup>*Stony Brook University*, <sup>2</sup>*New York State  
Psychiatric Institute*, <sup>3</sup>*University of Western  
Ontario*, <sup>4</sup>*Drexel University*, <sup>5</sup>*University of Illinois  
at Chicago*

4. **Autonomic Activity in Borderline Personality Disorder**  
Anna Weinberg, E. David Klonsky, & Greg Hajcak  
*Stony Brook University*
  
5. **Exact Differences Processing Inexact Symmetry**  
Rudolph L. Mappus, Kenneth Czechowski, Paul Corballis, & Ronald Ferguson  
*Georgia Institute of Technology*
  
6. **RSVP, Please: Blocked vs. Randomized Valence in Rapid Serial Visual Presentation of Emotional Pictures**  
Daniel J. Goldman, Julia K. Langer, Michelle A. Roth, & Bruce N. Cuthbert  
*University of Minnesota*
  
7. **Anxiety and Emotional Face Processing: Individual Differences in the N170 to Fearful Faces and Attention Performance**  
Beylul Solomon<sup>1</sup>, Jennifer M. Augello<sup>2</sup>, Melanie Hong<sup>3</sup>, & Tracy A. Dennis<sup>3</sup>  
<sup>1</sup>*Ferkauf Graduate School of Psychology, Yeshiva University,* <sup>2</sup>*Graduate Center, CUNY,* <sup>3</sup>*Hunter College, The City University of New York*
  
8. **The Late Positive Potential Predicts Long-Term Memory for Emotional Pictures Viewed During a Directed Emotion Regulation Task**  
Jennifer M. Augello<sup>1</sup>, Laura J. O'Toole<sup>1</sup>, Chao-Chang Chen<sup>2</sup>, Gregory Hajcak<sup>3</sup>, George Bonnano<sup>4</sup>, & Tracy A. Dennis<sup>2</sup>  
<sup>1</sup>*The Graduate Center, City University of New York,* <sup>2</sup>*Hunter College, The City University of New York,* <sup>3</sup>*Stony Brook University,* <sup>4</sup>*Columbia Teacher's College*

**9. Evidence of Semantic Conflict Resolution in A Stroop Matching Task: An Event-Related Potential Study**

Isabel A. David<sup>1</sup>, Eliane Volchan<sup>1</sup>, Jaime Vila<sup>2</sup>, Aydamari Faria-Jr.<sup>3</sup>, Pandelis Perakakis<sup>2</sup>, Let'cia Oliveira<sup>4</sup>, Mirtes G. Pereira<sup>4</sup>, & Walter Machado-Pinheiro<sup>4</sup>

<sup>1</sup>*Federal University of Rio De Janeiro*, <sup>2</sup>*University of Granada*, <sup>3</sup>*Federal University of Amapa*, <sup>4</sup>*Federal Fluminense University*

**10. Impact of CBT on Autonomic and Neuroendocrine Systems: Decrease in PTSD Symptoms and Enhancement of Resilience-Related Factors**

Carlos E. Norte, Gabriela G. L. Souza, Ana L. Pedrozo, Ana Carolina F. Mendon A-De-Souza, Tania Macedo, William Berger, Ivan Figueira, Eliane Volchan, & Paula Rui Ventura  
*Federal University of Rio De Janeiro*

**11. Numbing Symptoms in PTSD Patients: A Predictor of Changes in Dehydroepiandrosterone Levels?**

Nastassja L. Fischer<sup>1</sup>, André Vieira<sup>1</sup>, Ana Carolina F. Mendon A-De-Souza<sup>1</sup>, Evandro S. Coutinho<sup>2</sup>, Ivan L. V. Figueira<sup>1</sup>, & Eliane Volchan<sup>1</sup>

<sup>1</sup>*Federal University of Rio De Janeiro*, <sup>2</sup>*Escola Nacional de Saude Publica Fiocruz*

- 12. Multimodal Assessment of Anxiety During a Standardized BAT in Patients with Panic Disorder and Agoraphobia—A Multi-Centre Study**  
Jan Richter<sup>1</sup>, Christiane A. Melzig<sup>1</sup>, Georg W. Alpers<sup>2</sup>, Volker Arolt<sup>3</sup>, Thomas Fydrich<sup>4</sup>, Alexander L. Gerlach<sup>3</sup>, Tilo Kircher<sup>5</sup>, Andreas Stroehle<sup>6</sup>, Hans-Ulrich Wittchen<sup>7</sup>, & Alfons O. Hamm<sup>1</sup>  
<sup>1</sup>University of Greifswald, <sup>2</sup>University of Wuerzburg, <sup>3</sup>University of Muenster, <sup>4</sup>Humboldt University of Berlin, <sup>5</sup>University of Aachen, <sup>6</sup>Charite University Medicine Berlin, <sup>7</sup>Technical University of Dresden
- 13. Physiological Responses to Positive and Negative Portrayals of Characters With and Without Mental Illness**  
Pamela G. Nadorff, Sungkyoung Lee, Annie Lang, Bernice Pescosolido, & Jack Martin  
*Indiana University*
- 14. The Effect of Avatar Customization on Children's Cognitive and Emotional Responses to Branded Online Games**  
Rachel L. Bailey, Kevin Wise, Paul D. Bolls, & Glenn Leshner  
*Missouri School of Journalism*
- 15. The Effects of Controlled Attention to Television on Physiological Arousal and Heart Rate**  
Jessica D. Freeman<sup>1</sup>, Wes T. Wise<sup>2</sup>, Wendy Maxian<sup>2</sup>, Kelli R. Brown<sup>2</sup>, Brandon H. Nutting<sup>2</sup>, & Samuel D. Bradley<sup>2</sup>  
<sup>1</sup>University of Missouri, Columbia, <sup>2</sup>Texas Tech University
- 16. Serotonergic Receptor Genetics: Contributions to EEG Asymmetry**  
Andrew W. Bismark<sup>1</sup>, Jennifer L. Stewart<sup>1</sup>, James A. Coan<sup>2</sup>, & John J. B. Allen<sup>1</sup>  
<sup>1</sup>University of Arizona, <sup>2</sup>University of Virginia

- 17. Error-Related Negativity is Associated with Resting Hemispheric Asymmetry**  
Antonia N. Kaczurkin<sup>1</sup>, James F. Cavanagh<sup>1</sup>,  
Theo O. J. Gründler<sup>2</sup>, & John J. B. Allen<sup>1</sup>  
<sup>1</sup>*University of Arizona*, <sup>2</sup>*Max Planck Institute for  
Neurological Research*
- 18. Cardiac Vagal Control as a Predictor of Outcome in a Stress Reduction Intervention During Pregnancy**  
Andrea S. Chambers<sup>1</sup> & John J. B. Allen<sup>2</sup>  
<sup>1</sup>*University of Arizona* & *University of Virginia*,  
<sup>2</sup>*University of Arizona*
- 19. Using Alpha and Theta Power to Assess the Indirect Relationship Between Stereotype Threat, Self-Doubt, and the Allocation of Attention and Memory Encoding Processes**  
Chad E. Forbes, Toni Schmader, & John J. B. Allen  
*University of Arizona*
- 20. EEG Source Localization of P50 Suppression in Schizophrenia**  
Terrance J. Williams, Cindy M. Yee, Keith H. Nuechterlein, & Kenneth Subotnik  
*University of California at Los Angeles*
- 21. Age Differences in Sadness and its Physiological Costs**  
Benjamin Seider, Patrick Whalen, & Robert W. Levenson  
*University of California at Berkeley*
- 22. Cardiovascular Arousal During Shared and Non-Shared Laughter in Marital Conflict**  
Patrick K. Whalen<sup>1</sup>, & Robert W. Levenson<sup>2</sup>  
<sup>1</sup>*University of California at Berkeley*, <sup>2</sup>*University  
of California at Davis*

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- 23. Attentional Startle Modulation: Effects of Trial Structure and Cue-Target Interval**  
Sakinah S. J. Alhadad, Ottmar V. Lipp, & Bronwyn M. Massavelli  
*University of Queensland*
- 24. Physiological Correlates of Affective Sounds in Australian Adults and Infants**  
Nicole S. Erlich, Ottmar V. Lipp, & Virginia Slaughter  
*University of Queensland*
- 25. Modeling the Fear-Potentiated Startle Response as an Indicator of Trait Fear Using Item Response Theory**  
Mark D. Kramer, Uma Vaidyanathan, & Christopher J. Patrick  
*University of Minnesota*
- 26. Influence of Reward Context on the Feedback-Related Negativity and P300 in a Simulated Gambling Task**  
Lindsay D. Nelson, Luke A. Kane, Edward M. Bernat, & Christopher J. Patrick  
*University of Minnesota*
- 27. Matlab Toolbox for Functional Connectivity**  
Dongli Zhou, Wesley S. Thompson, & Greg J. Siegle  
*University of Pittsburgh*
- 28. Including Effect Size Measures in ERP-Data Exploration**  
Florian Strelzyk, Patrick Britz, & Ewald Naumann  
*University of Trier*
- 29. Effects of Chocolate Consumption on Enhancing Cognitive Performance**  
Daniel Felbaum, Alex Reed, Lauren Matthews, Rosanna Drake, & Bryan Raudenbush  
*Wheeling Jesuit University*

- 30. Effects of Video Game Play on Snacking Behavior, Caloric Burn, and Physiology: Nintendo Wii vs. Microsoft X-Box**  
Jared Bloom, Ryan Hunker, Kristin McCombs, Tim Wright, & Bryan Raudenbush  
*Wheeling Jesuit University*
- 31. Effects of Peppermint Scent Inhalation on Smoking Cessation**  
Trevor Cessna, Rosanna Drake, Daniel Felbaum, Jared Bloom, & Bryan Raudenbush  
*Wheeling Jesuit University*
- 32. Effects of Peppermint Scent Administration on Reducing Hunger Ratings, Food Consumption and Weight**  
Alex Reed, Jude Almeida, Ben Wershing, & Bryan Raudenbush  
*Wheeling Jesuit University*
- 33. Hyperventilation During Emotion Induction in Blood Phobia: Specific Effects of Disgust and Disease-Relevant Films**  
Erica S. Ayala, Jennifer Rosemore, Alicia E. Meuret, & Thomas Ritz  
*Southern Methodist University*
- 34. Hyperinflation of the Lungs Induced by Intercostal EMG Biofeedback Provokes Pronounced Dyspnea in Healthy Individuals**  
Sibylle Petersen<sup>1</sup>, Lavanya Bhaskara<sup>2</sup>, Catherine P. Seger<sup>2</sup>, Alicia E. Meuret<sup>2</sup>, & Thomas Ritz<sup>2</sup>  
<sup>1</sup>*University of Hamburg*, <sup>2</sup>*Southern Methodist University*
- 35. Mock Crime Application of the Complex Trial Protocol P300-Based Concealed Information Test**  
Michael R. Winograd & J. Peter Rosenfeld  
*Northwestern University*



- 36. A Modified Complex Trial Protocol P300 Test with Random Responses**  
Alexander R. Haynes, Elena B. Labkovsky, & J. P. Rosenfeld  
*Northwestern University*
- 37. Effects of Refreshing Memory on P300-Based GKT Administered One Month and One Year After a Mock-Crime**  
Yuki Hamamoto<sup>1</sup>, Shinji Hira<sup>1</sup>, & Isato Furumitsu<sup>2</sup>  
<sup>1</sup>*Fukuyama University*, <sup>2</sup>*University of East Asia*
- 38. Error Observation in Schizophrenia**  
Monica C. Mann-Wrobel, & Sarah E. Morris  
*University of Maryland*
- 39. The Psychophysiological Signature of Emotion Regulation: Cognitive Reappraisal Versus Behavioral Suppression**  
Jason S. Moser, Jason W. Kropf, Ashley Malooly, Natalie Shroyer, Jenna Dietz, & Robert F. Simons  
*University of Delaware*
- 40. Alcohol, ERN Amplitude, and State Affect: Unhappy Drunks Still Experience Distress**  
Erika A. Henry, Bruce D. Bartholow, & Sarah A. Lust  
*University of Missouri*
- 41. Loaded: A Psychophysiological Study of Alcohol and Implicit Racial Bias**  
Sarah A. Lust, J. Scott Saults, Erika A. Henry, & Bruce D. Bartholow  
*University of Missouri*
- 42. Moderating Effects of Dysphoria on the Acoustic Startle Eyeblink Response During Angering Pictures**  
Carly K. Peterson, Laura Gravens, & Eddie Harmon-Jones  
*Texas A&M University*

- 43. Unpacking Mirror Neurons: Contralateral EEG MU Rhythm Suppression on Observing Unilateral Movement**  
Laura Gravens, Rebecca Simmons, Holly Albert, Michael Schmerber, Philip A. Gable, & Eddie Harmon-Jones  
*Texas A&M University*
- 44. Physiological Response to Nurturant Love Stimuli**  
Stephanie E. Moser, Samantha Neufeld, Wan H. Yeung, & Michelle N. Shiota  
*Arizona State University*
- 45. Spark of Life: Autonomic Nervous System Aspects of Anticipatory Enthusiasm**  
Wan (Ellen) H. Yeung, Samantha L. Neufeld, Stephanie E. Moser, & Michelle N. Shiota  
*Arizona State University*
- 46. Assessing Social Categorization Processes and the Cross-Race Effect Using Event-Related Brain Potentials**  
Guadalupe Corral<sup>1</sup>, Stephen L. Crites<sup>2</sup>, Christian A. Meissner<sup>2</sup>, Jennifer H. Taylor<sup>2</sup>, & Katherine R. White<sup>2</sup>  
<sup>1</sup>*University of Texas at Austin*, <sup>2</sup>*University of Texas at El Paso*
- 47. Wait, What? Assessing Stereotype Incongruities Using the N400 ERP Component**  
Katherine R. White<sup>1</sup>, Stephen L. Crites<sup>1</sup>, Jennifer H. Taylor<sup>1</sup>, & Lupe Corral<sup>2</sup>  
<sup>1</sup>*The University of Texas at El Paso*, <sup>2</sup>*University of Texas at El Paso*

- 48. ERP Components of a Continuous Performance Task in ADHD Families with 4Q13.2 and 11P15.5 Loci Linkage**  
Natalia Trujillo<sup>1</sup>, Yanelly Acosta<sup>2</sup>, Maria Antonieta Bobes<sup>2</sup>, David Pineda<sup>1</sup>, Francisco Lopera<sup>1</sup>, & Mauricio Arcos-Burgos<sup>3</sup>  
<sup>1</sup>*Universidad de Antioquia*, <sup>2</sup>*Cuban Neuroscience Center*, <sup>3</sup>*University of Miami*
- 49. Neural Correlates of Gaze-Directed Reappraisal in Younger and Older Adults**  
Philipp C. Opitz, Heather L. Urry, & Lindsay C. Rauch  
*Tufts University*
- 50. Relatively Greater Left Prefrontal Activity Mitigates the Negative Effects of Low Social Support**  
Amanda R. W. Steiner, Cara R. Damiano, & James A. Coan  
*University of Virginia*
- 51. The Autonomic Phenotype of Rumination and Daily Blood Pressure**  
Cristina Ottaviani<sup>1</sup>, David Shapiro<sup>2</sup>, Dmitry M. Davydov<sup>3</sup>, & Iris B. Goldstein<sup>2</sup>  
<sup>1</sup>*University of Bologna*, <sup>2</sup>*University of California at Los Angeles*, <sup>3</sup>*Department of Neurophysiology, Moscow Research Center of Narcology*
- 52. Neurophysiological Regulation During Inhibitory Control Task Performance in Aggressive Young Children**  
William T. Utendale, Paul D. Hastings, Arnaud B. Saint-Pierre, & Michele Hubert  
*Concordia University*
- 53. Using Alcohol Expectancies to Compare ERPs to Semantically Incongruent & Subjectively Incongruent Sentences**  
Ty Brumback, Yael Arbel, & Emanuel Donchin  
*University of South Florida*

- 54. Change of EEG Characteristics in Epileptic Contingent at the Background of Antiepileptic Drugs**  
Irma Khachidze, Victor Maloletnev, & Manana Gugushvili  
*Georgian I. Beritashvili Institute of Physiology*
- 55. Quantitative Spectral Analysis of Electroencephalogram in Violent Recidivistic Offenders**  
Ana Agustina Calzada Reyes<sup>1</sup> & Alfredo Alvarez Amador<sup>2</sup>  
<sup>1</sup>*Legal Medicine Institute*, <sup>2</sup>*Cuban Neuroscience Center*
- 56. Autonomic Differences Among Suppressed, Exaggerated, and Natural Amusement**  
David R. Herring, Michael Devine, Megan Davidson, Melissa Wilson, Amy Larson, Nicole A. Roberts, & Mary H. Burleson  
*Arizona State University*
- 57. Sustained Pupil Dilation and Reaction Time Measures of Emotional Information Processing in Dysphoria: Gender Matters**  
Steven L. Bistricky & Rick E. Ingram  
*University of Kansas*
- 58. What Were They Thinking? Pupil Dilation, Self-Reported Off-Task Thinking, and Incidental Recall Following Attentional Focus on Emotional Aspects of Information**  
Steven L. Bistricky & Rick E. Ingram  
*University of Kansas*
- 59. Peritraumatic Tonic Immobility in PTSD: A Voxel Based Morphometry (VBM) Study**  
Vanessa Rocha-Rego<sup>1</sup>, Mirtes Pereira<sup>2</sup>, Mateus Joffily<sup>1</sup>, Leticia Oliveira<sup>2</sup>, Adriana Fiszman<sup>2</sup>, Carla Marques-Portella<sup>1</sup>, Mauro Mendlowicz<sup>2</sup>, Ivan Figueira<sup>1</sup>, & Eliane Volchan<sup>1</sup>  
<sup>1</sup>*Federal University of Rio de Janeiro*, <sup>2</sup>*Federal Fluminense University*

**60. A Methodic Guideline for fMRI Connectivity Analysis: Are Identified Connectivity Networks Plausible?**

Balint Varkuti, Ranganatha Sitaram, Ralf Veit,  
& Niels Birbaumer

*Institute for Medical Psychology and Behavioral  
Neurobiology, University of Tuebingen*

**61. The Evaluation of Psychopathological and EEG Parameters in Former Participants of Local Wars**

Elena Mikhaylova, Andrey Ratchin, & Larisa  
Simonenkova

*Smolensk State Medical Academy*

**62. Examination of the Relationship of Smoking Status and Risk of an Alcohol Use Disorder**

Valerie L. Hobson<sup>1</sup>, Jared P. Dempsey<sup>2</sup>, Lee M.  
Cohen<sup>1</sup>, & Noreen Watson<sup>3</sup>

<sup>1</sup>*Texas Tech University*, <sup>2</sup>*Oklahoma State  
University*, <sup>3</sup>*Charleston College*

**63. How Social Relationships Influence Behavior and Hormones in Common Marmosets, Callithrix Jacchus During Psychological Stress Situations**

Nicole Leite Galvão-Coelho, & Bernardete  
Cordeiro Sousa

*Federal University of Rio Grande do Norte*

**64. Amygdala Activation to Fearful Faces: Effects of Stimulus Duration vs. Low Spatial Frequencies Filtering**

Cristina Ottaviani, Daniela Cevolani, Raffaele  
Agati, Marco Leonardi, Valeria Nucifora, &  
Gianni Brighetti

*University of Bologna*

- 65. Gender Identification Moderates Physiological and Psychological Responses to Perceived Discrimination**  
Dina Eliezer<sup>1</sup>, Brenda Major<sup>1</sup>, & Wendy Berry Mendes<sup>2</sup>  
<sup>1</sup>*University of California, Santa Barbara,*  
<sup>2</sup>*Harvard University*
- 66. Isolating the Contribution of Correct and Incorrect Response Activation in the Lateralized Readiness Potential**  
Emily S. Kappenman & Steven J. Luck  
*University of California at Davis*
- 67. In Whole or in Part? An ERP Analysis of Global/Local Processing Asymmetries with Naturalistic Objects**  
Caterina Gratton, Sarah Laszlo, & Kara D Federmeier  
*University of Illinois at Urbana–Champaign*
- 68. Wave-Ering: An ERP Study of Syntactic and Semantic Context Effects on Ambiguity Resolution for Noun/Verb Homographs**  
Chia-Lin Lee & Kara D. Federmeier  
*University of Illinois at Urbana–Champaign*
- 69. Habituation of Visual Evoked Potentials in Healthy Infants and in Infants with Periventricular Leukomalacia**  
Berta González-Frankenberger, Thalía Harmony, Josefina Ricardo-Garcell, Eneida Porras-Kattz, Antonio Fernández-Bouzas, Efraín Santiago, & Gloria Avecilla-Ramírez  
*UNAM*
- 70. Post-Auricular Reflex Responses to Pictures Varying in Valence and Arousal**  
Philip A. Gable & Eddie Harmon-Jones  
*Texas A&M University*

- 71. Prefrontal Asymmetry Predicts Affect, But Not Beliefs About Affect**  
Amanda R. W. Steiner & James A. Coan  
*University of Virginia*
- 72. Autonomic Balance, Stress Responses and Premenstrual Dysphoric Symptomatology**  
Eynav E. Accortt<sup>1</sup>, Tamera R. Schneider<sup>2</sup>, & Gaea M. Payton<sup>2</sup>  
<sup>1</sup>*University of Arizona*, <sup>2</sup>*Wright State University*
- 73. MMN Elicitation During Natural Sleep: A Study Using Patterned Auditory Stimuli**  
Lauren D. Sculthorpe, Daniel Ouellet, & Kenneth B. Campbell  
*University of Ottawa*
- 74. Psychopathy and Addiction: The Role of Risky Decision-Making, Atypical Vagal Regulation, and Impaired Emotion Recognition**  
Cristina Ottaviani, Camilla Marzocchi, Silvia Cabrini, & Gianni Brighetti  
*University of Bologna*
- 75. The Effect of Cortisol on Approach-Avoidance Behavior in Social Phobia: An Event-Related Potential Study**  
Jacobien M. Van Peer, Karin Roelofs, & Philip Spinhoven  
*Leiden University*
- 76. Physiological and Behavioral Evidence for Response Conflict (But Not Stimulus Conflict) in Affective Priming**  
Christopher R. Engelhardt & Bruce D. Bartholow  
*University of Missouri*
- 77. Wide Open Spaces: ERPs Reveal the Role of Reminding in Memory**  
Laura E. Matzen, Kara D. Federmeier, & Aaron S. Benjamin  
*University of Illinois at Urbana–Champaign*

- 78. The Omit Response in a Novel Test of P300-Based Detection of Concealed Information**  
John B. Meixner & J. Peter Rosenfeld  
*Northwestern University*
- 79. Enhancement of Auditory Gamma Band Driving as a Function of Normal Aging**  
Yuan Gao & Brett Clementz  
*University of Georgia*
- 80. Auditory Steady State Response in Bipolar Disorder: Relation to Clinical State, Medication Status, and Substance Disorders**  
Olga Rass<sup>1</sup>, Giri P. Krishnan<sup>1</sup>, Colleen A. Brenner<sup>1</sup>, William P. Hetrick<sup>1</sup>, Anantha Shekhar<sup>2</sup>, & Brian F. O'Donnell<sup>1</sup>  
<sup>1</sup>*Indiana University, Bloomington*, <sup>2</sup>*Indiana University School of Medicine*
- 81. Early Life Stress and Processing of Affective Processing**  
Katharina Matz<sup>1</sup>, Katja Weber<sup>1</sup>, Markus Junghoefer<sup>2</sup>, Barbara Awiszus<sup>1</sup>, & Brigitte Rockstroh<sup>1</sup>  
<sup>1</sup>*Department of Psychology, Universität Konstanz*,  
<sup>2</sup>*Institute for Biomagnetism, Universität Muenster*
- 82. I Appraise Relevance, Therefore I Emote: Psychophysiological Effects of Motivation-Based Appraisal Processes in Differential Emotion Elicitation**  
Sylvia D. Kreibig, Guido H. E. Gendolla, & Klaus R. Scherer  
*University of Geneva*
- 83. Fear Potentiated Startle at Short Stimulus Onset Asynchronies Following Delay, But Not Trace Conditioning**  
Ole Sli & Magne A. Flaten  
*University of Tromsø*



- 84. Attributions for Nonprejudiced Action Shapes Psychological and Physiological Responses to Evaluative Intergroup Situations**  
Pamela J. Sawyer<sup>1</sup>, Brenda Major<sup>1</sup>, & Wendy Berry Mendes<sup>2</sup>  
<sup>1</sup>*University of California, Santa Barbara,*  
<sup>2</sup>*Harvard University*
- 85. ERP Evidence for Different Strategies Employed by Native Speakers and L2 Learners in Sentence Processing**  
Jingjing Guo<sup>1</sup>, Taomei Guo<sup>1</sup>, Yan Yan<sup>1</sup>, Nan Jiang<sup>2</sup>, & Danling Peng<sup>1</sup>  
<sup>1</sup>*State Key Laboratory of Cognitive Neuroscience and Learning, Beijing Normal University,*  
<sup>2</sup>*Department of Applied Linguistics, Georgia State University, Atlanta, USA*
- 86. Worldview Endorsement Moderates Psychological and Physiological Reactions to Discrimination**  
Sarah S. M. Townsend<sup>1</sup>, Brenda Major<sup>1</sup>, & Wendy B. Mendes<sup>2</sup>  
<sup>1</sup>*University of California, Santa Barbara,*  
<sup>2</sup>*Harvard University*
- 87. Psychophysiological Substrates of Resolving Ambiguity: Individual Differences in Rating Surprised Facial Expressions**  
Maital Neta, Catherine J. Norris, & Paul J. Whalen  
*Dartmouth College*
- 88. Postauricular Reflex Potentiation During Safe/Threat Associative Learning**  
Frank Castro, Arthur R. Sandt, & Peter J. Marshall  
*Temple University*
- 89. No Sweat: Perspiration Artifact Removal in Electroencephalographic Data**  
Rudolph L. Mappus, Matt Hilimire, Nate Parks, & Paul Corballis  
*Georgia Institute of Technology*

- 90. Thinking Under Pressure: Cognitive Complexity and Cortisol Reactivity**  
Laura Saslow<sup>1</sup>, Arbi Vartan<sup>1</sup>, Dan Purnell<sup>1</sup>, Ilmo Van der Lowe<sup>1</sup>, Dacher Keltner<sup>1</sup>, Shannon McCoy<sup>2</sup>, & Elissa Epel<sup>3</sup>  
<sup>1</sup>University of California at Berkeley, <sup>2</sup>University of Maine, <sup>3</sup>University of California, San Francisco
- 91. The Emotional Displays of Others Motivate Helping and Influence Skin Conductance**  
Lisa Barker, Cristina Brooks, Shara Duncan, Elizabeth Geringer, Carly Rosso, Thomas Sanchez, Ani Tashdjian, & Beatrice M. De Oca  
*California State University Channel Islands*
- 92. Visuospatial Attention in Parkinson's Disease**  
Eun-Young Lee<sup>1</sup>, Nelson Cowan<sup>1</sup>, Edward K. Vogel<sup>2</sup>, Fernando Valle-Inclán<sup>3</sup>, Terry Rolan<sup>1</sup>, & Steven Hackley<sup>1</sup>  
<sup>1</sup>University of Missouri, Columbia, <sup>2</sup>University of Oregon, <sup>3</sup>University of La Coruna
- 93. Narcissistic Tendencies and Sensitivity to Social Feedback: An Examination of Cardiovascular Reactivity During Social Evaluative Situations**  
Modupe N. Akinola & Wendy Berry Mendes  
*Harvard University*
- 94. Parental Support Predicts Enhanced ERP Positivity and Attenuated Startle Reflexes in College Students Viewing Parent Pictures**  
Damion J. Grasso & Robert F. Simons  
*University of Delaware*
- 95. Physical Activity is Positively Associated with Executive Functioning in Older Adults: A Principal Component Analysis of the ERP Response**  
Jeremy C. Rietschel<sup>1</sup>, Jo B. Zimmerman<sup>1</sup>, Craig G. McDonald<sup>2</sup>, Amy J. Haufler<sup>1</sup>, & Brad D. Hatfield<sup>1</sup>  
<sup>1</sup>University of Maryland, <sup>2</sup>George Mason University

**96. An Event-Related Potential (ERP) Study of the Memory Block Effect**

Olga Rass<sup>1</sup>, Paul A. Leynes<sup>2</sup>, Joshua D. Landau<sup>3</sup>,  
Tim Curran<sup>4</sup>, Vinaya Raj<sup>5</sup>, & Jenna Scisco<sup>6</sup>

<sup>1</sup>Indiana University, Bloomington, <sup>2</sup>The College of  
New Jersey, <sup>3</sup>York College of Pennsylvania,

<sup>4</sup>University of Colorado at Boulder, <sup>5</sup>Virginia  
Polytechnic Institute and State University,

<sup>6</sup>Clemson University

**97. Anxiety Moderates Relations Between Frontal EEG Alpha Asymmetry and Depression**

Robin Nusslock<sup>1</sup>, Alexander J. Shackman<sup>1</sup>,  
Brenton W. McMenamin<sup>1</sup>, Larry L. Greischar<sup>1</sup>,  
Maria Kovacs<sup>2</sup>, & Richard J. Davidson<sup>1</sup>

<sup>1</sup>University of Wisconsin—Madison, <sup>2</sup>Western  
Psychiatric Institute and Clinic and the University  
of Pittsburgh Medical Center

**98. Neurophysiological Findings in Children with Malnutrition**

Francia Restrepo De Mej'a<sup>1</sup>, Oscar H.  
Moscoso<sup>1</sup>, Alejandro Vera<sup>1</sup>, Victoria Lugo<sup>2</sup>, &  
Adriana Osorio<sup>3</sup>

<sup>1</sup>Neurophysiology Lab, Autonoma University,  
Manizales, <sup>2</sup>Fesco Foundation, <sup>3</sup>Nutrir  
Foundation

**99. Normative Data for the Cognitive Evoked Potentials in a Pediatric Population**

Alejandro Vera, Francia Restrepo De Mej'a, &  
Oscar H. Moscoso

*Neurophysiology Lab, Autonoma University,  
Manizales*

**100. An Animal Model to Study the Role of Serotonin in Memory Consolidation and Learning**

Oscar H. Moscoso<sup>1</sup>, Jorge E. Duque<sup>2</sup>, Francia  
Restrepo De Mej'a<sup>1</sup>, & Alejandro Vera<sup>1</sup>

<sup>1</sup>Neurophysiology Lab, Autonoma University,  
Manizales, <sup>2</sup>Neuroscience Group of Caldas

**101. Response Mobilization in Panic Disorder and the Role of Agoraphobia**

Joshua R. Shumen, Lisa M. McTeague, Marie-Claude Laplante, Margaret M. Bradley, & Peter J. Lang  
*University of Florida*

**102. Defensive Reactivity in Social Phobia: Influence of Fear Generalization & Chronicity**

Lisa M. McTeague, Joshua R. Shumen, Marie-Claude Laplante, Margaret M. Bradley, & Peter J. Lang  
*University of Florida*

**103. Effect of Age on Startle and on Prepulse Inhibition of Startle**

Ottmar V. Lipp<sup>1</sup>, Terry D. Blumenthal<sup>2</sup>, Kimberley M. Mallan<sup>1</sup>, Leanne M. Williams<sup>3</sup>, & Evian Gordon<sup>4</sup>  
<sup>1</sup>*University of Queensland*, <sup>2</sup>*Wake Forest University*, <sup>3</sup>*University of Sydney*, <sup>4</sup>*Brain Resource Company*

**104. Trait Fear Predicts Brain Response Differences in Auditory Startle Probe Processing**

Uma Vaidyanathan, Edward M. Bernat, & Christopher J. Patrick  
*University of Minnesota*

**105. Processing and Resolving Emotional Conflict: An Event-Related Potential Investigation**

Justin L. Jobelius, Jenna M. Hernke, Lindsay D. Nelson, Edward M. Bernat, & Christopher J. Patrick  
*University of Minnesota*

**106. Autonomic Predictors of Survival Post Surgery: An Animal Model**

John B. Williamson, Greg F. Lewis, Angela J. Grippo, Damon Lamb, Sue C. Carter, & Steve W. Porges  
*University of Illinois at Chicago*

**107. Dampened Autonomic Regulation, Compromised Auditory Processing and Difficulties with Affect Recognition in Women with HIV**

Keri J. Heilman<sup>1</sup>, Emily R. Harden<sup>1</sup>, Jocelyn Lebow<sup>1</sup>, Alexis Kramer<sup>1</sup>, Kathleen Weber<sup>2</sup>, Mardge Cohen<sup>2</sup>, & Stephen W. Porges<sup>1</sup>

<sup>1</sup>*University of Illinois at Chicago*, <sup>2</sup>*Core Center at John H. Stroger Jr. Hospital of Cook County*

**108. Pupillary Correlates of Rumination During a Frustrating Serial Working Memory Task in Unipolar Depression**

Neil P. Jones<sup>1</sup>, Greg J. Siegle<sup>1</sup>, Emilie R. Muelly<sup>2</sup>, Agnes Haggerty<sup>1</sup>, Frank Ghinassi<sup>1</sup>, & Michael E. Thase<sup>3</sup>

<sup>1</sup>*Western Psychiatric Institute and Clinic and the University of Pittsburgh Medical Center*,

<sup>2</sup>*Pennsylvania State University*, <sup>3</sup>*University of Pennsylvania and the Philadelphia Veterans Affairs Medical Center*

**109. Physical Activity, Lung Function, and Shortness of Breath in Daily Life of Asthma Patients and Healthy Controls**

Thomas Ritz<sup>1</sup>, David Rosenfield<sup>1</sup>, & Andrew Steptoe<sup>2</sup>

<sup>1</sup>*Southern Methodist University*, <sup>2</sup>*University College London*

**110. Comparison of Critical and Non-Critical Items for P300 Amplitude, P300 Latency and Reaction Time on P300-Based GKT**

Shinji Hira & Yuki Hamamoto  
*Fukuyama University*

**111. A Naturalistic Study of the Test-Retest Reliability of ERN Amplitude in Healthy Adults**

Sarah E. Morris & Monica C. Mann-Wrobel  
*University of Maryland*

**112. Emotion Regulation of Top-Down and Bottom-Up Emotional Stimuli: An Interaction Between the Generation and Regulation of Emotion**

Kateri McRae, Supriya Misra, & James J. Gross  
*Stanford University*

**113. Valence, Arousal or Relevance: Factors Modulating Erp Components**

Huang Yuxia & Luo Yujia  
*Beijing Normal University*

**114. The Contralateral Effect of Unilateral Feedback Stimulus on the Stimulus Preceding Negativity (SPN): Insights from an fMRI Study**

Yoshimi Ohgami<sup>1</sup>, Yasunori Kotani<sup>1</sup>, Tatsuya Yoshihiro<sup>1</sup>, Tetsuji Tsukamoto<sup>2</sup>, & Yusuke Inoue<sup>3</sup>

<sup>1</sup>*Tokyo Institute of Technology*, <sup>2</sup>*Ge-Yokogawa Medical Systems*, <sup>3</sup>*The University of Tokyo*

**115. Neural Differentiation of Fear and Anxiety**

Philip J. Corr<sup>1</sup>, Roger A. Moore<sup>2</sup>, Andrew Cooper<sup>3</sup>, Nathalie C. Fouquet<sup>1</sup>, & Paul Marshman<sup>2</sup>

<sup>1</sup>*University of Swansea*, <sup>2</sup>*University of Portsmouth*,  
<sup>3</sup>*University of London (Goldsmiths)*

**116. ERD Correlates in Low and High Male Body Image Types: A Preliminary Study**

Lorenzo D. Stafford & Roger A. Moore  
*University of Portsmouth*

**117. Gaze-Directed Reappraisal: Implications for Emotion Regulation**

Heather L. Urry, Sarah R. Cavanagh, & Lindsay C. Rauch  
*Tufts University*

- 118. Neural Efficiency is Enhanced by Cognition/Emotion Alignment in the Prefrontal Cortex**  
Justin Storbeck, James A. Coan, & Gerald L. Clore  
*University of Virginia*
- 119. P300 Signals Stimulus Value!**  
Wolfgang H. R. Miltner, Ralf Trippe, Holger Hecht, & Lars Fichtner  
*Department of Biological and Clinical Psychology, Friedrich Schiller University*
- 120. Act-R Model of a Visual ERP Experiment**  
Daniel N. Cassenti & Kaleb McDowell  
*U.S. Army Research Laboratory*
- 121. Autonomic Hypo- or Hyper-Arousal Response to Sad Stimuli**  
Dmitry M. Davydov<sup>1</sup>, Emmanuelle Zech<sup>2</sup>, & Olivier Luminet<sup>2</sup>  
<sup>1</sup>*Moscow Research Center of Narcology*, <sup>2</sup>*Catholic University of Louvain*
- 122. The Effects of Multiphasic Prepulses on Automatic and Attention-Modulated Sensorimotor Gating**  
Albert B. Poje<sup>1</sup> & Diane L. Filion<sup>2</sup>  
<sup>1</sup>*University of Kansas Medical Center*, <sup>2</sup>*University of Missouri, Kansas City*
- 123. Cardiovascular Recovery from Anticipated Negative Experiences That Never Occur**  
Christian E. Waugh<sup>1</sup>, Sommer Panage<sup>1</sup>, Wendy Mendes<sup>2</sup>, & Ian H. Gotlib<sup>1</sup>  
<sup>1</sup>*Stanford University*, <sup>2</sup>*Harvard University*
- 124. 5HTTLPR Predicts Left Fusiform Gyrus Activation to Positive Emotional Stimuli**  
Heath A. Demaree<sup>1</sup>, Jie Pu<sup>1</sup>, Jean Tkach<sup>2</sup>, Jack Jesberger<sup>2</sup>, Norah Feeny<sup>1</sup>, Linda Jeng<sup>1</sup>, D. Erik Everhart<sup>3</sup>, Rachael N. Volokhov<sup>1</sup>, & Jeff Duerk<sup>2</sup>  
<sup>1</sup>*Case Western Reserve University*, <sup>2</sup>*University Hospitals of Cleveland*, <sup>3</sup>*East Carolina University*

- 125. Enhancing the Complex Trial Protocol (A New GKT) with Explicit Random Responses**  
Elena B. Labkovsky & Peter J. Rosenfeld  
*Northwestern University*
- 126. The Effect of Task Difficulty on the Stimulus-Preceding Negativity (SPN): vMRI and ERP Studies**  
Yasunori Kotani<sup>1</sup>, Yumiko Kuramoto<sup>2</sup>, Tatsuya Yoshihiro<sup>1</sup>, Yoshimi Ohgami<sup>1</sup>, Tetsuji Tsukamoto<sup>3</sup>, Yusuke Inoue<sup>4</sup>, & Yasutsugu Aihara<sup>5</sup>  
<sup>1</sup>*Tokyo Institute of Technology*, <sup>2</sup>*Honda R&D Co., Ltd.*, <sup>3</sup>*Ge-Yokogawa Medical Systems*, <sup>4</sup>*The University of Tokyo*, <sup>5</sup>*Tokyo Metropolitan University*
- 127. Replicated EEG Studies of Memorization and Retrieval as Cognitive-Specific Brain States**  
Sergey G. Danko<sup>1</sup>, Natalia P. Bechtereva<sup>1</sup>, Larisa M. Kachalova<sup>2</sup>, & Maria L. Solovjeva<sup>1</sup>  
<sup>1</sup>*Institute of the Human Brain, Saint-Petersburg, Russia*, <sup>2</sup>*Modern Academy for the Humanities, Moscow, Russia*
- 128. Cognitive Control of Negative Emotion as a Function of Anger Style: An fMRI Investigation**  
Jennifer L. Stewart<sup>1</sup>, Stacie L. Warren<sup>2</sup>, Jeffrey M. Spielberg<sup>2</sup>, Anna S. Engels<sup>2</sup>, Wendy Heller<sup>2</sup>, & Gregory A. Miller<sup>2</sup>  
<sup>1</sup>*University of Arizona*, *University of Illinois at Urbana–Champaign*, <sup>2</sup>*University of Illinois at Urbana–Champaign*
- 129. Affective Modulation of Inspiratory Motor Drive**  
Ilse Van Diest<sup>1</sup>, Thomas Janssens<sup>1</sup>, Katleen Bogaerts<sup>1</sup>, Stien Fannes<sup>1</sup>, Paul W. Davenport<sup>2</sup>, & Omer Van den Bergh<sup>1</sup>  
<sup>1</sup>*University of Leuven*, <sup>2</sup>*University of Florida*



**130. Sex and Race Modulate Early Attentional and Late Emotional Processing of Happy and Angry Faces: Evidence from an ERP Study**

Kimberley M. Mallan<sup>1</sup>, Ottmar V. Lipp<sup>1</sup>,  
Joanne R. Smith<sup>2</sup>, Debbie J. Terry<sup>1</sup>, & Ursula  
Hess<sup>3</sup>

<sup>1</sup>*University of Queensland*, <sup>2</sup>*University of Essex*,

<sup>3</sup>*University of Quebec at Montreal*

**131. An ERP Study on the Compatibility Between Target Location, Stimulated Eye, and Response Hand**

Andrea Schankin<sup>1</sup>, Fernando Valle-Inclán<sup>2</sup>, &  
Steven A. Hackley<sup>3</sup>

<sup>1</sup>*Ludwig Maximilian University Munich*,

<sup>2</sup>*University of La Coruna*, <sup>3</sup>*University of Missouri*

**132. Image Familiarity Influences Sex Differences in Mental Rotation**

Frances H. Martin & Sarah A. Coleman  
*University of Tasmania*

**133. EEG Effects of Imagined Local Temperature Exposures**

Sergey G. Danko<sup>1</sup>, Larisa V. Gratcheva<sup>2</sup>, Elena  
A. Koshevaya<sup>2</sup>, & Maria L. Solovjeva<sup>1</sup>

<sup>1</sup>*Institute of the Human Brain, Saint-Petersburg, Russia*,  
<sup>2</sup>*State Academy of Theatre Arts, Saint-Petersburg, Russia*

**134. Direct Gaze Enhances ERP Responses to Faces, But Only to Live Faces**

Jari K. Hietanen & Laura Pönkänen  
*University of Tampere*

**135. Impact of Reward Magnitude and Probability on the Medial Frontal Negativity in a Passive Reward Prediction Design**

Geoffrey F. Potts  
*University of South Florida*

**136. Electro-Cortical Implicit Race Bias: It is Fast and Independent of Participants' Race or Sex**

Ottmar V. Lipp<sup>1</sup>, Frances H. Martin<sup>2</sup>, Deborah J. Terry<sup>1</sup>, Joanne R. Smith<sup>3</sup>, & Kimberley M. Mallan<sup>1</sup>

<sup>1</sup>*University of Queensland*, <sup>2</sup>*University of Tasmania*, <sup>3</sup>*University of Exeter*

**137. Psychopaths' Facial Reactions to Emotional Cues**

Hedwig Eisenbarth<sup>1</sup>, Cornelia Heunisch<sup>2</sup>, Antje B. M. Gerdes<sup>2</sup>, & Georg W. Alpers<sup>2</sup>

<sup>1</sup>*University of Regensburg, Department of Forensic Psychiatry*, <sup>2</sup>*University of Wuerzburg, Department of Psychology*

**138. Effects of Outcome Evaluation in a Deception Task: An ERP Study**

Yuejia Luo,<sup>1</sup> & Shiyue Sun<sup>2</sup>

<sup>1</sup>*Beijing Normal University*, <sup>2</sup>*Institute of Psychology, Chinese Academy of Sciences*

**139. fMRI Multi-Session Tensor-ICA (TICA) Analysis of Emotional Processing in Males and Females**

Michal Kuniecki, Andrzej Urbanik, Justyna Kozub, Barbara Sobiecka, Lilianna Podsiadlo, & Marek Binder

*Jagiellonian University*

**140. Individual Differences in P1/N1 Attention Modulation**

Kristina Hiatt Racer, Edward K. Vogel, Thomas J. Dishion, & Donald M. Tucker

*University of Oregon*

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**141. Towards Construct Validation of Brain Integration Scale Scores: Brain Patterns, Skin Conductance Habituation and Self-Development in World-Class**

**Norwegian Athletes**

Frederick T. Travis<sup>1</sup>, Harald S. Harung<sup>2</sup>, Anne Marte Pensgaard<sup>3</sup>, Rannie Boes<sup>1</sup>, & Susanne Cook-Greuter<sup>4</sup>

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**Poster Session III**  
**Saturday, October 4, 2008**

*Poster Session Schedule*

8:00 A.M.—10:00 A.M.	Posters Assembled
10:00 A.M.—7:00 P.M.	Posters Available for Viewing
7:00 P.M.—9:00 P.M.	Authors Present for Discussion and Questions
9:00 P.M.—10:00 P.M.	Dismantle Posters

- 1. A Neural and Behavioral Examination of the Relation Between Self-Efficacy and Action Monitoring Processes**  
 Jason R. Themanson<sup>1</sup>, Matthew B. Pontifex<sup>2</sup>, Charles H. Hillman<sup>2</sup>, & Edward McAuley<sup>2</sup>  
<sup>1</sup>*Illinois Wesleyan University*, <sup>2</sup>*University of Illinois at Urbana–Champaign*
- 2. Visual Search for Fearful Stimuli: A Combined ERP and fMRI Study**  
 Ewald Naumann<sup>1</sup>, Patrick Britz<sup>1</sup>, Florian Strelzyk<sup>1</sup>, Rudolf Starck<sup>2</sup>, & Dirk Hageman<sup>3</sup>  
<sup>1</sup>*University of Trier*, <sup>2</sup>*University of Giessen*, <sup>3</sup>*University of Heidelberg*
- 3. Individual Differences in Emotional Regulation: Relationships with Heart Rate Variability and Gender.**  
 Elisabeth Ruiz-Padial<sup>1</sup>, Jose M. Augusto Landa<sup>1</sup>, Gustavo A. Reyes del Paso<sup>1</sup>, & Julian F. Thayer<sup>2</sup>  
<sup>1</sup>*Universidad de Jaén*, <sup>2</sup>*The Ohio State University*
- 4. MAOA G941T Polymorphism and the Time Course of Emotional Responses Following Pleasant and Unpleasant Pictures**  
 Christine L. Larson  
*University of Wisconsin–Milwaukee*

- 5. Interaction Between Habitual and Voluntary Emotion Regulation and the Chronometry of Affective Responses**  
Marisa Menchola<sup>1</sup>, Alfred W. Kaszniak<sup>1</sup>, & Keith W. Burton<sup>2</sup>  
<sup>1</sup>University of Arizona, <sup>2</sup>University of Illinois, Springfield
- 6. On Processing Novel Stimuli: Does P3A Stand Alone?**  
Craig G. McDonald<sup>1</sup>, Frances H. Gabbay<sup>2</sup>, Jeremy Rietschel<sup>3</sup>, & Connie C. Duncan<sup>2</sup>  
<sup>1</sup>George Mason University, <sup>2</sup>Uniformed Services University of the Health Sciences, <sup>3</sup>University of Maryland
- 7. Intertrial Effects of Inhibition of Focused Attention on Alcohol Objects in Individuals with Different Alcohol Sensitivity**  
Eunsam Shin & Bruce D. Bartholow  
University of Missouri
- 8. ERP Correlates of Verb-Action and Sentence-Scene Role Relations in a Sentence-Picture Verification Task**  
Pia Knoeferle, Thomas P. Urbach, & Marta Kutas  
University of California, San Diego
- 9. Contextual Effects on Visual Word Recognition**  
Andrés A. González-Garrido, Fabiola R. Gómez-Velázquez, Elizabeth Rodríguez-Santillán, & Daniel Zarabozo-Hurtado  
University of Guadalajara

- 10. A Woman Frowns and a Man Smiles: Something is Wrong Here! ERP Evidence for the Counterstereotypical Nature of Female Anger and Male Happiness.**  
Ursula Hess<sup>1</sup>, Kimberley M. Mallan<sup>2</sup>, Reginald B. Adams<sup>3</sup>, Robert E. Kleck<sup>4</sup>, & Ottmar V. Lipp<sup>2</sup>  
<sup>1</sup>University of Quebec at Montreal, <sup>2</sup>University of Queensland, <sup>3</sup>The Pennsylvania State University, <sup>4</sup>Dartmouth College
- 11. Effects of Mindfulness Training in the Clinical and Psychophysiological Correlates of Worry**  
Luis Carlos Delgado-Pastor<sup>1</sup>, Maria Isabel Viedma del Jesoes<sup>1</sup>, Sonia Rodriguez Ruiz<sup>1</sup>, Rafaela R. Campagnoli<sup>2</sup>, & Maria Carmen Fernández<sup>1</sup>  
<sup>1</sup>University of Granada, <sup>2</sup>Federal University of Rio de Janeiro
- 12. Neural Responses to Infant Cues Are Reduced in Mothers with Prenatal Cocaine Exposure**  
Karen M. Grewen, Josh Bizzell, Russell D. Davenport, Poorvi Oza, Weili Lin, & Aysenil Belger  
University of North Carolina at Chapel Hill
- 13. Enhanced Negative Feedback Processing is Related to Depressive Symptoms in Healthy Adults**  
Diane L. Santesso, Jeffrey L. Birk, Elena Goetz, Kyle G. Ratner, & Diego A. Pizzagalli  
Harvard University
- 14. The Affective Unpleasantness of Breathlessness is Processed in the Anterior Insula and Amygdala**  
Andreas Von Leupoldt, Tobias Sommer, Sarah Kegat, Hans Jörg Baumann, Hans Klose, Bernhard Dahme, & Christian Büchel  
University of Hamburg

- 15. Breathlessness and Pain: The Same in the Brain?**  
Andreas Von Leupoldt, Tobias Sommer, Sarah Kegat, Hans Jörg Baumann, Hans Klose, Bernhard Dahme, & Christian Büchel  
*University of Hamburg*
- 16. A Test of the Response-Conflict Hypothesis in the Production of Error-Related Negativity**  
Hiroaki Masaki<sup>1</sup>, Timothy I. Murphy<sup>2</sup>, James Desjardins<sup>2</sup>, & Sidney J. Segalowitz<sup>2</sup>  
<sup>1</sup>*Waseda University*, <sup>2</sup>*Brock University*
- 17. Monitoring and Evaluative Control Processes Mediated by Frontal Cortex Can Be Brought Online in Children Through Repetition**  
Doreen Nessler<sup>1</sup>, Marianne De Chastelaine<sup>2</sup>, Yael Cykowicz<sup>1</sup>, Cort Horton<sup>2</sup>, Brenda Malcolm<sup>1</sup>, & David Friedman<sup>1</sup>  
<sup>1</sup>*New York State Psychiatric Institute*, <sup>2</sup>*University of California, Irvine*
- 18. Maturation and Stability of ERP Correlates of Successful Encoding Across the Life-Span**  
Alberto Manzi<sup>1</sup>, Doreen Nessler<sup>1</sup>, Marianne De Chastelaine<sup>2</sup>, Yael Cykowicz<sup>1</sup>, Cort Horton<sup>2</sup>, Brenda Malcolm<sup>1</sup>, & David Friedman<sup>1</sup>  
<sup>1</sup>*New York State Psychiatric Institute*, <sup>2</sup>*University of California, Irvine*
- 19. Affective Increases in the Late Positive Potential (LPP) Are Evident During Continuous and Fast (3 Hz) Picture Presentations**  
Siri Scott, Uma Vaidyanathan, Edward Ebernat, & Christopher Patrick  
*University of Minnesota*
- 20. Regulating Emotion: Basic and Individual Differences**  
Elisabeth L. Kallenberger, Dongju Seo, Cheryl A. Olman, & Christopher J. Patrick  
*University of Minnesota*

- 21. Probing the Depth of Optical Signals: A Visual Eccentricity Study**  
Edward L. Maclin, Chun-Yu Tse, Monica Fabiani, & Gabriele Gratton  
*University of Illinois at Urbana—Champaign*
- 22. Training on a Complex Task Affects Dual Task Event-Related Brain Potentials**  
Kathy A. Low, Walter R. Boot, Tanya Stanley, Kyle E. Mathewson, Monica Fabiani, Arthur F. Kramer, & Gabriele Gratton  
*University of Illinois at Urbana—Champaign*
- 23. Covert Reorganization of Implicit Task Representations by Slow Wave Sleep**  
Juliana Yordanova<sup>1</sup>, Vasil Kolev<sup>1</sup>, Ullrich Wagner<sup>2</sup>, & Rolf Verleger<sup>2</sup>  
<sup>1</sup>*Institute of Neurobiology, Bulgarian Academy of Sciences*, <sup>2</sup>*University of Luebeck*
- 24. Gender Effects on the Development of Auditory Information Processing in Children**  
Plamenka Nanova<sup>1</sup>, Laura Lyamova<sup>1</sup>, Maria Hadjigeorgieva<sup>2</sup>, Vasil Kolev<sup>1</sup>, & Juliana Yordanova<sup>1</sup>  
<sup>1</sup>*Institute of Neurobiology, Bulgarian Academy of Sciences*, <sup>2</sup>*University of Glasgow*
- 25. The Time Course of Feature-Based Attention: Distinct Correlates of Selection and Perceptual Integration**  
Andreas Keil<sup>1</sup>, & Matthias M. Mueller<sup>2</sup>  
<sup>1</sup>*University of Florida*, <sup>2</sup>*University of Leipzig*
- 26. Multimodal Imaging of Coherent Sources During Affective Picture Viewing**  
Andreas Keil<sup>1</sup>, Dean Sabatinelli<sup>1</sup>, J. Carson Smith<sup>2</sup>, Bethany Wangelin<sup>1</sup>, Margaret M. Bradley<sup>1</sup>, & Peter J. Lang<sup>1</sup>  
<sup>1</sup>*University of Florida*, <sup>2</sup>*University of Wisconsin, Milwaukee*



- 27. Repetition and Memory: Recognition Performance and Event-Related Potentials**  
Margaret M. Bradley<sup>1</sup>, Vera Ferrari<sup>1</sup>, Marie Karlsson<sup>1</sup>, Maurizio Codispoti<sup>2</sup>, & Peter J. Lang<sup>1</sup>  
*<sup>1</sup>University of Florida, <sup>2</sup>University of Bologna*
- 28. Individual Differences in Working Memory-Capacity Predict Self-Control Failure**  
Nicholas G. Schwab, Ryan McLeland, Dave Jost, Michael J. Johns, & Daren C. Jackson  
*University of Wyoming*
- 29. Neural Mechanisms Underlying Cognition-Affect Interaction and Psychological Well-Being**  
Carien M. Van Reekum, Tom Johnstone, Stacey M. Schaefer, Catherine J. Norris, Regina C. Lapate, David Bachhuber, Nicole M. Rute, & Richard J. Davidson  
*University of Wisconsin—Madison*
- 30. Whence the Eye Blinketh? Correspondence Between Multiple Measures of Startle Eyeblink**  
Christopher T. Lovelace, Wade R. Elmore, Elizabeth R. Duval, Reza Derakhshani, & Diane L. Filion  
*University of Missouri, Kansas City*
- 31. Dysphoric Individuals' Cardiovascular Response to Performance-Related Reward and Punishment**  
Kerstin Brinkmann, Laurent Schüpbach, Isabelle Ancel Joye, & Guido H. E. Gendolla  
*University of Geneva*
- 32. Cardiac Reactivity in Active Coping: The Moderating Role of Task Context**  
Michael Richter & Guido H. E. Gendolla  
*University of Geneva*

**33. Functional Association of Brain and Somatic Activities Accompanying Reversal Learning**

Hideki Ohira<sup>1</sup>, Michio Nomura<sup>2</sup>, Masahiro Matsunaga<sup>1</sup>, Tokiko Isowa<sup>3</sup>, Kenta Kimura<sup>1</sup>, Noriaki Kanayama<sup>1</sup>, Hiroki Murakami<sup>1</sup>, & Takahiro Osumi<sup>1</sup>

<sup>1</sup>Nagoya University, <sup>2</sup>Hiroshima University, <sup>3</sup>Mie University

**34. The Temporal Gradient of Startle Potentiation in Human Fear Conditioning**

Almut I. Weike<sup>1</sup>, Thomas Schaefer<sup>1</sup>, Arne Öhman<sup>2</sup>, & Alfons O. Hamm<sup>1</sup>

<sup>1</sup>University of Greifswald, <sup>2</sup>Karolinska Institute

**35. Excessive Affective Startle and Amygdala Bold Response Specific to Unpleasant Picture Processing in Borderline Personality Disorder**

Erin A. Hazlett, Julie Zelmanova, Jane Zhang, Kim E. Goldstein, M. Mehmet Haznedar, Marianne Goodman, Harold W. Koenigsberg, Larry J. Siever, Antonia S. New, & Monte S. Buchsbaum

*Mount Sinai School of Medicine*

**36. A P300 BCI Based Painting Application**

Sebastian Halder<sup>1</sup>, Adrian Furdea<sup>1</sup>, Adi Höslle<sup>2</sup>, & Andrea Kübler<sup>3</sup>

<sup>1</sup>Institute for Medical Psychology and Behavioral Neurobiology, University of Tuebingen, <sup>2</sup>University of Illinois at Urbana–Champaign, <sup>3</sup>School of Human and Life Sciences, Roehampton University, London

**37. Arousal Responses to Subjective Camera in Sports Broadcasts**

R. Glenn Cummins, Justin R. Keene, & Brandon Nutting

*Texas Tech University*

- 38. Here and Faraway: Cognitive and Emotional Processing of National and Foreign Sensational and Not Sensational Television News**  
Anastasia Kononova<sup>1</sup>, Rachel Bailey<sup>1</sup>, Paul Bolls<sup>1</sup>, Narine Yeghyan<sup>2</sup>, & Ji Yeon Jeong<sup>1</sup>  
<sup>1</sup>*University of Missouri, Columbia*, <sup>2</sup>*University of Illinois at Urbana–Champaign*
- 39. The Influence of Personal Experience with People with Mental Illness on Responses to Television Portrayals with Characters Who Do or Do Not Have a Mental Illness**  
Annie Lang, Pamela G. Nadorff, Sungkyoung Lee, Bernice Pescosolido, & Jack Martin  
*Indiana University*
- 40. The Impact of Narrative and Emotion of Breast Cancer Survivor Testimonies on Message Processing for African American Female Viewers**  
Glenn Leshner<sup>1</sup>, Paul D. Bolls<sup>1</sup>, Jensen Moore<sup>1</sup>, Elizabeth Gardner<sup>2</sup>, Sara Peters<sup>1</sup>, Anastasia Kononova<sup>1</sup>, Rachel Bailey<sup>1</sup>, & Kevin Wise<sup>1</sup>  
<sup>1</sup>*University of Missouri*, <sup>2</sup>*Universidad Autónoma de Madrid*
- 41. Your Funny Ad Makes Me Giggle, My Ears Wiggle, and Helps Me to Remember You Better: An Examination of the Influence of Humorous Content in Television Advertisements on Appetitive Activation and Encoding**  
Johnny V. Sparks<sup>1</sup> & Julia R. Fox<sup>2</sup>  
<sup>1</sup>*The University of Alabama*, <sup>2</sup>*Indiana University, Bloomington*
- 42. Preparation for Speeded Action Activates Cortical Motor and Autonomic Response Selection Areas**  
J. Richard Jennings<sup>1</sup>, Maurits W. Van der Molen<sup>2</sup>, & V. Andrew Stenger<sup>3</sup>  
<sup>1</sup>*University of Pittsburgh*, <sup>2</sup>*University of Amsterdam*, <sup>3</sup>*University of Hawaii*

- 43. Vagal Rebound in Response to Orthostatic Challenge Relates to Big 5 Personality Variables**  
Israel C. Christie<sup>1</sup> & Bruce H. Friedman<sup>2</sup>  
<sup>1</sup>*University of Pittsburgh*, <sup>2</sup>*Virginia Tech*
- 44. Frontal Mechanisms in Language Pragmatics: Evidence from Event-Related Potentials**  
Dusana Dorjee Khenchen<sup>1</sup>, Merrill F. Garrett<sup>2</sup>, & John J. B. Allen<sup>2</sup>  
<sup>1</sup>*University of Arizona* & *University of Bristol*,  
<sup>2</sup>*University of Arizona*
- 45. Comorbid Worry Predicts Relative Right Frontal Brain Activity**  
Jennifer L. Stewart<sup>1</sup>, Andrew W. Bismark<sup>1</sup>, James A. Coan<sup>2</sup>, & John J. B. Allen<sup>1</sup>  
<sup>1</sup>*University of Arizona*, <sup>2</sup>*University of Virginia*
- 46. Resting Cardiac Vagal Control Predicts Speed of Recovery During a Mental Stressor**  
Jie Pu<sup>1</sup>, Hallam L. Movius<sup>2</sup>, & John J. B. Allen<sup>1</sup>  
<sup>1</sup>*University of Arizona*, <sup>2</sup>*Consensus Building Institute, Inc.*
- 47. The Brain Processes Underlying Deceptions About Personal Traits: An ERP Study**  
Ray Johnson, Jr.<sup>1</sup>, Heather Henkell<sup>2</sup>, Deena Rendel<sup>1</sup>, Adina Bitton<sup>1</sup>, Christopher Schroeder<sup>1</sup>, & John Zhu<sup>1</sup>  
<sup>1</sup>*Queens College/CUNY*, <sup>2</sup>*Graduate Center, CUNY*
- 48. Early ERP Linguistic Lateralization in Children, Young and Middle-Aged Subjects**  
Alessandro Angrilli & Chiara Spironelli  
*University of Padova*
- 49. Lack of N150 Linguistic Lateralization in Schizophrenic Patients**  
Chiara Spironelli, Luciano Stegagno, & Alessandro Angrilli  
*University of Padova*

- 50. Risk Anticipation and Feedback Processing in a Gambling Task: An Erp Study**  
Marta Bianchin & Alessandro Angrilli  
*University of Padova*
- 51. Biofeedback Treatment of Blood Pressure Reactivity in Essential Hypertensives**  
Marta Ghisi, Simona Scozzari, Michela Sarlo, Elisa Bonso, Palatini Paolo, & Daniela Palomba  
*University of Padova*
- 52. Emotional Anticipation in Blood Phobics**  
Giulia Buodo, Michela Sarlo, & Daniela Palomba  
*University of Padova*
- 53. Perceptual and Semantic Blending of In-Group/Out-Group Facial Stimuli and Word Valence: Early (N170) and Late (Lpp) Electrophysiological Evidence**  
Agustin M. Ibanez<sup>1</sup>, Ramiro Gonzales<sup>1</sup>, Esteban Hurtado<sup>1</sup>, & Andres Haye<sup>2</sup>  
<sup>1</sup>*Universidad Diego Portales, <sup>2</sup>P. Universidad Catolica de Chile*
- 54. Facial Reactivity to Emotional Facial Expressions in Depression and First-Episode Psychosis**  
Jonathan W. L. Kettle & Nicholas B. Allen  
*University of Melbourne*
- 55. Modulation of the Startle Response in Depressed Women With and Without Anxiety**  
Carissa K. Demesy, Erin C. Tully, Steve Malone, Micah Hammer, & William G. Lacono  
*University of Minnesota*

- 56. Arousal and Reactivity in Children with Sensory Processing Disorder and Autism Spectrum Disorder**  
Sarah A. Schoen<sup>1</sup>, Lucy J. Miller<sup>1</sup>, Barbara Brett-Green<sup>1</sup>, Stacey Reynolds<sup>2</sup>, & Shelly J. Lane<sup>2</sup>  
<sup>1</sup>*SPD Foundation*, <sup>2</sup>*Virginia Commonwealth University*
- 57. Affective Modulation of Neurophysiological Mechanisms of Associative Learning**  
Phan Luu<sup>1</sup>, Catherine Poulsen<sup>1</sup>, Zhongqing Jiang<sup>2</sup>, Chelsea Mattson<sup>1</sup>, & Don M. Tucker<sup>1</sup>  
<sup>1</sup>*Electrical Geodesics, Inc.*, <sup>2</sup>*Liaoning Normal University*
- 58. Strong Resemblance in the Amplitude of Oscillatory Brain Activity in Monozygotic Twins is Not Caused by 'Trivial' Similarities in the Composition of the Skull.**  
Dennis Van 'T Ent<sup>1</sup>, Inge L. S. Van Soelen<sup>1</sup>, Kees J. Stam<sup>2</sup>, Eco J. C. De Geus<sup>1</sup>, & Dorret I. Boomsma<sup>1</sup>  
<sup>1</sup>*Vrije Universiteit*, <sup>2</sup>*VUMC Department of Paediatrics*
- 59. The Role of Deception in the P300-Based Concealed Information Test**  
Bruno Verschuere<sup>1</sup>, Joel Peter Rosenfeld<sup>2</sup>, Mike Winograd<sup>2</sup>, Elena Labkovsky<sup>2</sup>, & Roel-Jan Wiersema<sup>1</sup>  
<sup>1</sup>*Ghent University*, <sup>2</sup>*Northwestern University*
- 60. Mood Regulation Facilities as Incentive for Effort Mobilization: Cardiovascular Effects**  
Guido H. E. Gendolla & Nicolas Silvestrini  
*University of Geneva*
- 61. Mirror Training Reverses Phantom Limb Pain and Cortical Reorganization**  
Herta Flor, Martin Diers, & Jens Foell  
*Central Institute for Mental Health*

- 62. N400 Waveform Correlates with Behavioural Responses in a Cross-Modal Priming Paradigm.**  
Margarita M. Baez-Martin<sup>1</sup>, Maria L. Bringas-Vega<sup>1</sup>, John F. Connolly<sup>2</sup>, Dora M. Chongo-Almerall<sup>1</sup>, Marilyn Bermudez-Zaldivar<sup>1</sup>, Abel Sanchez-Coroneaux<sup>1</sup>, & Ivette Cabrera-Abreu<sup>1</sup>  
<sup>1</sup>*International Center for Neurological Rehabilitation*, <sup>2</sup>*Dalhousie University*
- 63. Bullying History and Cardiovascular Responses to the Trier Social Stress Test**  
Matthew L. Newman<sup>1</sup>, Lisa D. Hamilton<sup>2</sup>, Carol Delville<sup>2</sup>, & Yvon Delville<sup>2</sup>  
<sup>1</sup>*Arizona State University*, <sup>2</sup>*University of Texas at Austin*
- 64. Brain Fingerprinting Detects Real Crimes in the Field Despite One-Hundred-Thousand-Dollar Reward for Beating It**  
Lawrence A. Farwell  
*Brain Fingerprinting Laboratories, Inc.*
- 65. Cerebral and Cardiovascular Hemodynamics During Working Memory Processing in Essential Hypotension**  
Michela Sarlo, Massimiliano De Zambotti, Andrea Devigili, Marianna Munaf, & Luciano Stegagno  
*University of Padova*
- 66. Multiple Objects Recognition: Investigation of the Quality and Forms of Memory Representations in Visual Short-Term Memory**  
Eunsam Shin<sup>1</sup>, Monica Fabiani<sup>2</sup>, & Gabriele Gratton<sup>2</sup>  
<sup>1</sup>*University of Missouri*, <sup>2</sup>*University of Illinois at Urbana—Champaign*

- 67. Startle Probe P3 Amplitude When Viewing Cigarette Cues**  
Francesco Versace, Jason D. Robinson, Jennifer A. Minnix, Cho Y. Lam, Brian L. Carter, David W. Wetter, & Paul M. Cinciripini  
*The University of Texas M. D. Anderson Cancer Center*
- 68. The Relationship of Cardiovascular Responses to Laboratory Challenges and Measures of Impulsivity**  
Michael T. Allen, Alison M. Hogan, & Laura K. Laird  
*University of Mississippi*
- 69. Presence of Subjective Feeling in an Emotional Process Coincides with a Differential Modulation of the Intensity of the Facial Electromyographic Activity and Heart Rate Recovery**  
Elise S. Dan Glauser<sup>1</sup> & Klaus R. Scherer<sup>2</sup>  
<sup>1</sup>*University of Geneva*, <sup>2</sup>*Swiss Center for Affective Sciences*
- 70. The Amplitude of Conflict-Related Negativity (CRN) Reflects Degree of Conflict During Occupational Choice.**  
Takashi Nakao<sup>1</sup>, Masahiro Takamura<sup>2</sup>, Mayo Mitsumoto<sup>2</sup>, Hitomi Nashiwa<sup>2</sup>, Satoko Tokunaga<sup>2</sup>, & Makoto Miyatani<sup>2</sup>  
<sup>1</sup>*Nagoya University, Japan Society for the Promotion of Science*, <sup>2</sup>*Hiroshima University*
- 71. Affective Modulation of the Startle Reflex During Encoding of Emotional Words**  
Cornelia Herbert & Johanna Kissler  
*University of Konstanz*
- 72. Alteration in Signalling Molecules of Long Term Potentiation Leads to Amnesia**  
Manish Kumar Saraf<sup>1</sup>, Sudesh Prabhakar<sup>2</sup>, Geetika Saraf<sup>3</sup>, & Akshay Anand<sup>2</sup>  
<sup>1</sup>*ISF College of Pharmacy, PGIMER*, <sup>2</sup>*PGIMER*, <sup>3</sup>*SASIIT*



- 73. Psychophysiological Correlates of Processing Emotional Faces in Anxiety**  
Anca M. Pasca, Liviu G. Crisan, & Andrei C. Miu  
*Emotion and Cognition Neuroscience Laboratory, Program of Cognitive Neuroscience, Department of Psychology, Babes-Bolyai University, Cluj-Napoca, Romania*
- 74. Does Affective Modulation of Startle Correlate with Pain Sensitivity and Spinal Nociceptive Processes?**  
Jamie L. Rhudy, Emily J. Bartley, Klanci M. McCabe, Amy E. Williams, Jennifer L. Russell, Carl P. Lattimore, Mary C. Chandler, & Emily J. Main  
*The University of Tulsa*
- 75. Speed Accuracy Tradeoff of the P300 BCI Speller Measured in Real Time**  
Yael Arbel & Emanuel Donchin  
*University of South Florida*
- 76. Emotional Imagery: Probe P3, Beta Band Activity & Motivational Engagement**  
Lisa M. McTeague<sup>1</sup>, Andreas Loew<sup>2</sup>, Bethany C. Wangelin<sup>1</sup>, Robert Sivinski<sup>1</sup>, Margaret M. Bradley<sup>1</sup>, & Peter J. Lang<sup>1</sup>  
<sup>1</sup>*University of Florida*, <sup>2</sup>*University of Greifswald*
- 77. When and Where Attention Modulates Processing of Facial Expression: Studied with ERP and Loreta**  
Eligiusz Wronka  
*Jagiellonian University*
- 78. Numbers in the Blind's 'Eye'**  
Elena Salillas<sup>1</sup>, Alessia Granà<sup>2</sup>, Radouane El-Yagoubi<sup>3</sup>, & Carlo Semenza<sup>4</sup>  
<sup>1</sup>*University of Texas at San Antonio*, <sup>2</sup>*University of Trieste*, <sup>3</sup>*University of Provence*, <sup>4</sup>*University of Padova*

- 79. Response to Music Varies According to Trait Motivation Activation**  
Robert F. Potter, Hwanjun Chung, & James J. Cummings  
*Indiana University, Bloomington*
- 80. Social Attitudes Within Context: Evidence of Conditional Racial Bias in the Defensive Startle Reflex**  
Greg Willard, Katrina Koslov, & Wendy Berry Mendes  
*Harvard University*
- 81. Sensory Modalities and Numbers Semantics**  
Elena Salillas<sup>1</sup>, Radouane El-Yagoubi<sup>2</sup>, Alessia Granà<sup>3</sup>, & Carlo Semenza<sup>4</sup>  
<sup>1</sup>University of Texas at San Antonio, <sup>2</sup>University of Provence, <sup>3</sup>University of Trieste, <sup>4</sup>University of Padova
- 82. Deviant Feedback Processing in Gamblers Playing Blackjack**  
Johannes Hewig, Nora Kretschmer, & Wolfgang H. R. Miltner  
*Friedrich Schiller University*
- 83. Externalizing Psychopathology is Associated with Reduced EEG Beta in Adolescent Males**  
Stephen M. Malone, Micah A. Hammer, Dragana Vidovic, Loran E. Kelly, & William G. Iacono  
*University of Minnesota*
- 84. Behavioral and Neurological Effects of Concussions**  
Jenna Haynes, Lauren N. Cary, Elysabeth Hanchak, & James E. Horton  
*University of Virginia College at Wise*

**85. Alpha Rhythm Spectral Power Density Changes During Periodically Decreasing Circle Presentation**

Ighor Kotsan, Illya Kuznetsov, & Lessya Sydoruk  
*Volyn National University*

**86. Polygraph and EEG Correlates of Lie Detection**

Elysabeth Hanchak, Rachel Dye, Clifford J. Whitt, Toni Davis, Crystal Birchfield, & James E. Horton  
*University of Virginia College at Wise*

**87. More Than One Dysfunction Underlying Attention Deficit Disorders (ADD): A Neurophysiological Perspective**

Montserrat Gerez<sup>1</sup>, Juan J. Yáñez<sup>1</sup>, Juan I. Romero<sup>1</sup>, Pilar Poza<sup>2</sup>, Fernando Coello<sup>1</sup>, Rosa I. Mézquita<sup>1</sup>, & Armando Tello<sup>1</sup>  
<sup>1</sup>*Hospital Espanol de Mexico*, <sup>2</sup>*Hospital Psiquiatrico Infantil Jn Navarro*

**88. Double Triphasic Waveform Heart Rate Response to Strong Stimuli**

Bronya Vaschillo<sup>1</sup>, Evgeny G. Vaschillo<sup>1</sup>, Marsha E. Bates<sup>1</sup>, & Paul M. Lehrer<sup>2</sup>  
<sup>1</sup>*Rutgers, The State University of New Jersey*,  
<sup>2</sup>*University of Medicine and Dentistry of New Jersey*

**89. ERP Waveforms Modulated by Stimulus Motivational Value in Conditions of Stable Affective Stimulation.**

Isabel B. Fonseca<sup>1</sup>, Luciana R. Gomes<sup>1</sup>, Armando M. Oliveira<sup>2</sup>, & Nuno F. Costa<sup>3</sup>  
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## *NOTES*

# PROGRAM SCHEDULE AT-A-GLANCE

## Tuesday, September 30, 2008

8:30 A.M.–5:00 P.M., Room 412, Pre-Conference Workshop (available for an additional fee), *The ERP Mini Boot Camp*

## Wednesday, October 1, 2008

8:30 A.M.–5:00 P.M., Room 404, Pre-Conference Workshop, *The ERP Mini Boot Camp* (continued)

12:00 noon–5:30 P.M., Room 406, *SPR Board of Directors Meeting*

5:30 P.M.–8:00 P.M., Grand Ballroom, Salon H Foyer, *Registration Opens*

5:30 P.M.–8:00 P.M., Grand Ballroom, Salon H, *Opening Reception; Exhibits Open*

## Thursday, October 2, 2008

7:30 A.M.–4:00 P.M., Grand Ballroom, Salon H Foyer, *Registration*

8:00 A.M.–9:00 P.M., Grand Ballroom, Salon H Foyer, *Internet Station*

8:30 A.M.–10:00 A.M., Grand Ballroom, Salon J, Symposium 1, *Patients are a Virtue: What Studies of Clinical and Neurological Patients Reveal About Physiological Mechanisms of Emotion*

8:30 A.M.–10:00 A.M., Grand Ballroom, Salon K, Symposium 2, *Modulation of Attention in Sexual Cue Processing*

10:00 A.M.–10:30 A.M., Grand Ballroom, Salon H, *Refreshment Break*

10:00 A.M.–3:00 P.M., Grand Ballroom, Salon H., *Exhibits Open*

10:30 A.M.–11:30 A.M., Grand Ballroom, Salon G, Invited Address, *The Neural Bases of Emotion Regulation*, James J. Gross, PhD

11:30 A.M.–1:00 P.M., *Break for Lunch* (on your own)

11:30 A.M.–1:00 P.M., Room 400, *Education and Training Committee Roundtable Discussions*

1:00 P.M.–2:30 P.M., Grand Ballroom, Salon G, Presidential Symposium, *Contributions of Brain Potentials to the Study of Human Memory*

2:30 P.M.–3:00 P.M., Grand Ballroom, Salon H, *Refreshment Break*

3:00 P.M.–4:30 P.M., Grand Ballroom, Salon J, Symposium 3, *Neurobiological Sequelae of Early Childhood Adversity*

3:00 P.M.–4:30 P.M., Grand Ballroom, Salon K, Symposium 4, *Brain Mechanisms of Auditory Attention and Auditory Short-Term Memory*

3:00 P.M.–4:30 P.M., Room 400, Symposium 5, *Craving in the Lab: Studies of Drug Cue Reactivity*

4:45 P.M.–6:15 P.M., Grand Ballroom, Salon J, Symposium 6, *From the Chaos of Thought and Passion: Multiple Perspectives on Emotion-Cognition Interactions*

4:45 P.M.–6:15 P.M., Grand Ballroom, Salon K, Symposium 7, *Making Sense of Frontal Language ERPs*

6:15 P.M.–8:15 P.M., Grand Ballroom, Salon H, *Poster Session I; Exhibits Open*

8:15 P.M.–10:15 P.M., Room 404, *Early Careers Conversation Hour*

## Friday, October 3, 2008

8:00 A.M.–4:00 P.M., Grand Ballroom, Salon H Foyer, *Registration*

8:00 A.M.–9:00 P.M., Grand Ballroom, Salon H Foyer, *Internet Station*

8:30 A.M.–10:00 A.M., Grand Ballroom, Salon J, Symposium 8, *I Knew You Were Going to Say that . . . ERP Studies Reveal the Role of Expectancy-Driven Processes in Language Comprehension*

8:30 A.M.–10:00 A.M., Grand Ballroom, Salon K, Symposium 9, *The Psychophysiology of Anxiety and Worry: A Symposium in Honor of the Contributions of Thomas D. Borkovec*

10:00 A.M.–3:00 P.M., Grand Ballroom, Salon H, *Exhibits Open*



- 10:00 A.M.–10:30 A.M., Grand Ballroom, Salon H, *Refreshment Break*
- 10:30 A.M.–11:30 A.M., Grand Ballroom, Salon G, Invited Address, *Perception to Awareness: Attentional Control Over the Mind's Eye*, George R. Mangun, PhD
- 11:30 A.M.–1:00 P.M., *Break for Lunch* (on your own)
- 11:30 A.M.–1:00 P.M., Room 412, *Women in Science and Education (W.I.S.E.) Lunch Box Discussion*
- 1:00 P.M.–2:30 P.M., Grand Ballroom, Salon J, Symposium 10, *The Present as the Past's Future*
- 2:30 P.M.–3:00 P.M., Grand Ballroom, Salon H, *Refreshment Break*
- 3:00 P.M.–4:30 P.M., Grand Ballroom, Salon J, Symposium 11, *Psychophysiological and Affect Modulation of Pain Perception*
- 3:00 P.M.–4:30 P.M., Grand Ballroom, Salon K, Symposium 12, *How We Breathe: Respiration During Everyday Life and Under Discrete Affective and Cognitive Demands*
- 3:00 P.M.–4:30 P.M., Room 400, Symposium 13, *Evaluative Processes*
- 4:45 P.M.–5:45 P.M., Grand Ballroom, Salon G, Invited Address, *Cognitive and Emotional Control in Schizophrenia: Psychological and Neural Mechanisms*, Deanna M. Barch, PhD
- 6:00 P.M.–8:00 P.M., Grand Ballroom, Salon H, *Poster Session II; Exhibits Open*
- 10:00 P.M., *Student Social* (location to be announced)

### **Saturday, October 4, 2008**

- 8:00 A.M.–5:00 P.M., Grand Ballroom, Salon H Foyer, *Internet Station*
- 8:30 A.M.–2:00 P.M., Grand Ballroom, Salon H Foyer, *Registration*
- 8:30 A.M.–10:00 A.M., Grand Ballroom, Salon J, Symposium 14, *Emotion Regulation and Individual Differences in the Developing Child*
- 8:30 A.M.–10:00 A.M., Grand Ballroom, Salon K, Symposium 15, *Imaging Genetics: Contributions from Twin Studies*
- 10:00 A.M.–10:30 A.M., Grand Ballroom, Salon H, *Refreshment Break*
- 10:30 A.M.–11:00 A.M., Grand Ballroom, Salon G, Award for Distinguished Early Career Contribution to Psychophysiology, *To Err is Human: Multimodal Investigations of Performance Monitoring*, Markus Ullsperger, MD, PhD
- 11:00 A.M.–12:00 noon, Grand Ballroom, Salon G, Presidential Address, *It was the Best of Times, It was the Worst of Times: A Psychophysiological View of Cognitive Aging*, Monica Fabiani, PhD
- 12:15 P.M.–2:15 P.M., Grand Ballroom, Salon G, *Business Meeting and Luncheon*
- 2:15 P.M., *Free Afternoon to Explore Austin!*
- 7:00 P.M.–9:00 P.M., Grand Ballroom, Salon H, *Poster Session III*
- 9:00 P.M.–12:00 midnight, Grand Ballroom, Salon G, *Saturday Night Social*

### **Sunday, October 5, 2008**

- 8:00 A.M.–10:00 A.M., Grand Ballroom, Salon J, *Farewell Breakfast*
- 9:00 A.M.–12:30 P.M., Room 406, *SPR Board of Directors Meeting*

Conference Ends