SOCIETY FOR PSYCHOPHYSIOLOGICAL RESEARCH

Atlanta

2014

September 10-14, 2014

FINAL PROGRAM

Photo courtesy of the Atlanta Convention and Visitor’s Bureau - Midtown Skyline at Sunset
SOCIETY FOR
PSYCHOPHYSIOLOGICAL
RESEARCH
54th Annual Meeting

Atlanta Marriott Marquis Hotel
Atlanta, Georgia
September 10–14, 2014

Contents

Author Index ................................................................. 120
Announcements.............................................................. 15
Board of Directors .......................................................... 4
Committees ..................................................................... 5
Early Careers Conversation Hour ................................. 19
Education and Training Committee Roundtable Discussions ........................................... 18
Exhibitors ..................................................................... 21
Future Annual Meetings .................................................. 21
Historical Roster .............................................................. 7
Internet Station ................................................................ 20
Meeting Rooms ............................................................... 22
Poster Sessions ............................................................. 50
Pre-Conference Workshops ............................................. 24
Program ......................................................................... 24
Program Committee ........................................................ 3
Publication of Abstracts ..................................................... 15
Registration ..................................................................... 14
Speaker Ready Room ...................................................... 20
Special Interest Breakfasts, Luncheons, and Dinners........ 17
SPR Fund Contributors ................................................... 11
Women in Science and Education Luncheon .................. 19
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 and holds Annual Meetings for presentation and discussion of topics, including instrumentation, methodology, experimental results, and theoretical interpretations.

Program Committee
Christopher T. Lovelace, 2014 Program Committee Chair, Shepherd University
Andreas Löw, 2013 Program Committee Chair, University of Greifswald
Christine Larson, 2015 Program Committee Chair, University of Wisconsin–Milwaukee
Daniel Bradford, Student Representative, University of Wisconsin–Madison
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Marta Andreatta, University of Würzburg
Edwin W. Cook III, University of Alabama-Birmingham
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Diane Filion, University of Missouri-Kansas City
Joseph Franklin, Harvard University
Frances Gabbay, Uniformed Services University of Health Sciences
Stacia Gessner, Student Representative, University of Missouri-Kansas City
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Chuck Hillman, University of Illinois at Urbana-Champaign
Nicole Roberts, Arizona State University
Hartmut Schächinger, University of Trier
Michelle Shiota, Arizona State University
Lou Tassinary, Texas A&M University
Jaime Vila, Universidad de Granada
Scott R. Vrana, Virginia Commonwealth University
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University of Virginia (2012–2015)
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Icahn School of Medicine at Mount Sinai (2012–2015)
Johannes Hewig
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University of California, Los Angeles
(Publication Committee; 2012–2015)
§ Catherine Norris
Swarthmore College
(Committee to Promote Student Interests; 2011–2014)

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Editor, *Psychophysiology*
Robert F. Simons
University of Delaware (1/2009–12/2014)

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Mandy Penisten, Membership/Registration Manager
Susan Rees, Executive Director
Jane Shepard, CMP, Meeting Planner

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Swarthmore College (2011–2014)

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Harald Schupp
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**Early Career Award Committee**
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**Ethical Principles Committee**
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University of Missouri (2011–2014)
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Virginia Commonwealth University (2013–2016)

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Christine Larson
University of Wisconsin–Milwaukee (2013–2016)

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Florida State University (2013–2014)

Outreach Committee
Alfons O. Hamm
University of Greifswald (2013–2016)

Public Relations Committee
Michelle Shiota
Arizona State University (2013–2016)

Publication Committee
Gregory A. Miller
University of California, Los Angeles (2012–2015)

Student Poster Award Committee
Alfons O. Hamm
University of Greifswald (2013–2014)

Ad Hoc Committees

Ad Hoc Committee on Committees
Christine Larson
University Wisconsin–Milwaukee

Ad Hoc Committee on Diversity
Wendy Heller
University of Illinois at Urbana-Champaign
Michelle Shiota
Arizona State University

Ad Hoc Committee on Management Services
Scott R. Vrana
Virginia Commonwealth University

Liaison to AAAS
Frances Gabbay
Uniformed Services University of Health Sciences
Liaison to FABBS  
Frances Gabbay  
Uniformed Services University of Health Sciences

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Chair of the Organizing Board

R.C. Davis 1958–60

Past Presidents

Chester W. Darrow 1960–61
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
Robert Roessler 1971–72
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
Emanuel Donchin 1979–80
David T. Lykken 1980–81
Enoch Callaway 1981–82
William F. Prokasy 1982–83
Edward S. Katkin 1983–84
Arne Öhman 1984–85
Jasper Brener 1985–86
Don C. Fowles 1986–87
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
William G. Iacono 1996–97
Judith M. Ford 1997–98
Risto Näätänen 1998–99
Richard J. Davidson 1999–00
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
Robert F. Simons 2006–07
Monica Fabiani 2007–08
John J.B. Allen 2008–09
Gabriele Gratton 2009–10
Gary Berntson 2010–11
Christopher J. Patrick 2011–12
Alfons O. Hamm 2012–13

Past Secretary-Treasurers

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Martin Orne 1962–63
Lawrence A. Gustafson 1963–64
Betty A. Wieland 1965–68
David G. McDonald 1968–72
Kenneth M. Kleinman 1972–75
Stephen W. Porges 1975–78
Rafael Klorman 1978–81
Don C. Fowles 1981–84
Robert W. Levenson 1984–87
Robert J. Gatchel 1987–90
Gregory A. Miller 1990–93
Steven A. Hackley 1993–96
Connie C. Duncan 1996–99
Edwin W. Cook III 1999–02

In 2002, the post of Secretary-Treasurer was split into two separate positions (Secretary and Treasurer).

Past Secretaries

Robert F. Simons 2002–05
Gary G. Berntson 2005–08
Lou Tassinary 2008–11

Past Treasurers

Edwin W. Cook III 2002–03
Terry D. Blumenthal 2003–06
Karen S. Quigley 2006–10
Diane L. Filion 2010–13
### Past Psychophysiology Editors

<table>
<thead>
<tr>
<th>Editor</th>
<th>Years</th>
</tr>
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<tbody>
<tr>
<td>Albert F. Ax</td>
<td>1964–73</td>
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<tr>
<td>William F. Prokasy</td>
<td>1974–77</td>
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<tr>
<td>David Shapiro</td>
<td>1978–86</td>
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<tr>
<td>Michael G.H. Coles</td>
<td>1987–93</td>
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<td>John T. Cacioppo</td>
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<td>Gregory A. Miller</td>
<td>1998–02</td>
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<td>Margaret M. Bradley</td>
<td>2003–05</td>
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</tbody>
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### Awards for Distinguished Contributions to Psychophysiology

<table>
<thead>
<tr>
<th>Award Recipient</th>
<th>Year</th>
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<tbody>
<tr>
<td>Chester W. Darrow</td>
<td>1969</td>
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<td>R.C. Davis</td>
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<td>Marion A. Wenger</td>
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<td>John I. Lacey</td>
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<td>Albert F. Ax</td>
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<td>Robert Edelberg</td>
<td>1974</td>
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<td>William W. Grings</td>
<td>1978</td>
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<td>Frances K. Graham</td>
<td>1981</td>
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<td>Donald B. Lindsley</td>
<td>1984</td>
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<td>Paul A. Obrist</td>
<td>1985</td>
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<td>Peter H. Venables</td>
<td>1987</td>
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<td>David Shapiro</td>
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<td>E.N. Sokolow</td>
<td>1988</td>
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<td>Peter J. Lang</td>
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<td>John Stern</td>
<td>1993</td>
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<td>Emanuel Donchin</td>
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<td>Risto Näätänen</td>
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<td>David T. Lykken</td>
<td>1998</td>
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<td>Steven A. Hillyard</td>
<td>1999</td>
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<td>John T. Cacioppo</td>
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<td>Arne Öhman</td>
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<td>Michael G.H. Coles</td>
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<td>Robert M. Stern</td>
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<td>Cornelius H.M. Brunia</td>
<td>2005</td>
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<td>Marta Kutas</td>
<td>2007</td>
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<td>William G. Iacono</td>
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<td>Niels Birbaumer</td>
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<td>Judith M. Ford</td>
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<td>Margaret M. Bradley</td>
<td>2011</td>
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<td>Don C. Fowles</td>
<td>2012</td>
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<tr>
<td>Gregory A. Miller</td>
<td>2013</td>
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</tbody>
</table>
AWARDS FOR DISTINGUISHED EARLY CAREER CONTRIBUTIONS 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 A. Hackley 1992
George R. Mangun 1993
Christopher J. Patrick 1993
Cyma Van Petten 1994
Friedemann Pulvermüller 1995
Erich Schröger 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
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
Sander Nieuwenhuis 2009
James Coan 2010
Eveline Crone 2011
Greg Hajcak 2012
Ilse Van Diest 2013
Heleen A. Slagter 2014
2013–2014 FUND CONTRIBUTORS

(Contributions received by May 31, 2014)

Lyubomir I. Aftanas
Modupe N. Akinola
Anna Alkozei
John J.B. Allen
Alessandro Angrilli
Jessica Baeske
Umberto Barcaro
Bruce D. Bartholow
Ursula Beermann
Gonzalo Belaustegui
Martha Ann Bell
Gershon Ben-Shakhar
Erik M. Benau
W. Keith Berg
Stefan Berti
Niels Birbaumer
Olivia B. Blow
Margaret M. Bradley
Jason M. Bruggemann
Ty Brumback
Florian Bublatzky
Desiree L. Budd
Timothy W. Budd
Giulia Buodo
Katie L. Burkhouse
Mary H. Burleson
Daisy A. Burr
Kristin A. Buss
Allan Campopiano
Douglas Carroll
Mira-Lynn Chavanon
Joëlle Choueiry
Francesca M. Citron
Brett A. Clementz
Maurizio Codispoti
Michael X. Cohen
Rebecca J. Compton
Edwin W. Cook III
Samuel E. Cooper
Stephen L. Crites
Bruce N. Cuthbert
Wendy M. D’Andrea
Bernhard Dahme
Michael E. Dawson
Vilfredo De Pascalis
Stefan Debener
Birgit Derntl
Emilie Dessy
Cheryl L. Dickter
Joseph Dien
Emanuel Donchin
Michael P.W. Donnelly
Robert I. Dowman
Connie C. Duncan
Jane Dywan
Martin Eimer
Luke R. Enge
Benjamin Ernst
Francisco Esteves
Monica Fabiani
Diane L. Filion
Tobias Flaisch
Judith M. Ford
Dan J. Foti
Don C. Fowles
Elaine Fox
Alex J. Francisco
Steven J. Freed
David Friedman
Gwen A. Frishkoff
Santiago Galdo-Alvarez
Giovanni Galfano
Stacia N. Gessner
Donald B. Giddon
David G. Gilbert
Stanley Ginsberg
Elke I.A. Godefroid
Andrés Antonio González-Garrido
Klaus Gramann
Gabriele Gratton
Sabine Grimm
Gina M. Grimshaw
Sydney N. Gruber
Pedro Maria Guerra
Ingmar Gutberlet
Claudia M. Haase
Thomas Habekost
Steven Hackley
Alfons Hamm
Registration

Registration will be held in the Atrium Ballroom Foyer (Atrium Level) of the Atlanta Marriott Marquis Hotel (see map on page 23) during the following hours:

- **Wednesday, September 10**: 2:30 p.m.–7:30 p.m.
- **Thursday, September 11**: 7:00 a.m.–5:00 p.m.
- **Friday, September 12**: 8:00 a.m.–4:00 p.m.
- **Saturday, September 13**: 8:30 a.m.–12:30 p.m.

Poster Sessions

Poster sessions will be held in the Atrium Ballroom B (Atrium Level) at the Atlanta Marriott Marquis Hotel. The Exhibit Hall is also located in the Atrium Ballroom B.

All posters must be removed during the designated dismantle time for each session. The schedule for poster presentation assembly and dismantle is as follows:

**Wednesday, September 10**

**Poster Session I**

- 4:30 p.m.–6:30 p.m. Posters Assembled
- 7:00 p.m.–9:00 p.m. Authors Present for Discussion and Questions
- 9:00 p.m.–10:00 p.m. Dismantle Posters

**Thursday, September 11**

**Poster Session II**

- 7:45 a.m.–9:45 a.m. Posters Assembled
- 9:45 a.m.–6:00 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

**Friday, September 12**

**Poster Session III**

- 8:00 a.m.–10:00 a.m. Posters Assembled
- 10:00 a.m.–6:00 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, September 13

Poster Session IV

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

Announcements

You are invited to use the bulletin board located in the Atrium Foyer (Atrium Level) to post the following information:

• Employment Opportunities
• Announcements of Social Activities
• Special Interest Lunches or Dinners
• Messages to Attendees

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.

Publication of Abstracts

Abstracts of papers presented in the symposia and the poster sessions are published in the September 2014 supplement volume of *Psychophysiology*. Copies of the supplement are available at the registration desk.

COMMITTEE MEETINGS

Confirm the time and place of each meeting with the chair of the committee.

Board of Directors

President: Terry D. Blumenthal (blumen@wfu.edu)
Wednesday, 12:00 noon–5:00 P.M.
Sunday, 9:00 A.M.–12:30 P.M.
Room A705

Chairs of Membership Enhancement Committees

Co-Chair: Bruce D. Bartholow (bartholowb@missouri.edu)
Co-Chair: Cindy Yee-Bradbury (yee@psych.ucla.edu)
Thursday, 8:00 A.M.–9:15 A.M. (Breakfast)
Room A708
2014 Program Committee

Chair: Christopher T. Lovelace (clovelac@shepherd.edu)
Thursday, 11:30 A.M.–1:00 P.M. (Lunch)
Meet in the SPR Registration Area on the Atrium Level at 11:30 A.M.

Outreach Committee

Chair: Alfons O. Hamm (hamm@uni-greifswald.de)
Thursday, 11:30 A.M.–1:00 P.M. (Lunch)
Meet in the SPR Registration Area on the Atrium Level at 11:30 A.M.

Committee on Women in Psychophysiology

Chair: Monica Fabiani (mfabiani@illinois.edu)
Thursday, 11:30 A.M.–1:00 P.M. (Lunch)
Meet in the SPR Registration Area on the Atrium Level at 11:30 A.M.

The Psychophysiology Board of Associate Editors

Chair: Robert F. Simons (rsimons@psych.udel.edu)
Thursday, 5:15 P.M.–6:15 P.M.
Room A705

Ad Hoc Committee on Diversity

Co-Chair: Wendy Heller (w-heller@illinois.edu)
Co-Chair: Michelle Shiota (Lani.Shiota@asu.edu)
Thursday, 6:00 P.M.–7:00 P.M.
Room A708

Past Presidents’ Dinner

Immediate Past-President: Alfons O. Hamm
(hamm@uni-greifswald.de)
Thursday, 8:30 P.M. (Dinner)
Meet in the Atlanta Marriott Marquis Hotel lobby at 8:00 P.M.

Public Relations Committee

Chair: Michelle Shiota (Lani.Shiota@asu.edu)
Friday, 8:30 A.M.–9:45 A.M. (Breakfast)
Meet in the SPR Registration Area on the Atrium Level at 8:30 A.M.
2015 Program Committee
Chair: Christine L. Larson (larsoncl@uwm.edu)
Friday, 11:30 A.M.–1:00 P.M. (Lunch)
Meet in the SPR Registration Area on the Atrium Level at 11:30 A.M.

Education and Training Committee
Chair: Bruce D. Bartholow (bartholowb@missouri.edu)
Friday, 11:30 A.M.–1:00 P.M. (Lunch)
Meet in the SPR Registration Area on the Atrium Level at 11:30 A.M.

Committee to Promote Student Interests
Chair: Catherine Norris (cnorris2@swarthmore.edu)
Friday, 8:00 P.M.–9:00 P.M.
Room A708

Student Poster Award Committee
Chair: Alfons O. Hamm (hamm@uni-greifswald.de)
Friday, 8:00 P.M.–10:00 P.M. (Room A703)
Saturday, 8:30 P.M.–9:30 P.M. (Room A708)

SPECIAL INTEREST BREAKFASTS, LUNCHEONS, AND DINNERS

As in previous years, small group breakfast, lunches, and dinners may 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 on the announcement board in the Atrium Foyer (Atrium Level) located next to the SPR Registration Desk.

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 his or her nametag. 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!
This year, there will again be the opportunity to participate in Roundtable Discussions. Each topic will be led by one or more leaders in their respective fields. To register, please check the appropriate box on the SPR registration form or directly contact the SPR Registrar via email at spr@reesgroupinc.com. For questions about a particular roundtable, please contact Bruce Bartholow at bartholowb@missouri.edu or Bruce Friedman at bhfriedm@vt.edu. Attendance is limited to 8 people at each roundtable. Confirm your attendance by Wednesday, September 3. (Registration for this event is on a first come, first served basis.)

- Introduction to Combined EEG/fMRI Recording and Analysis (Johannes Hewig & John J.B. Allen)
- New Frontiers in Optical Imaging (Gabriele Gratton & Kathy Low)
- Genetically-informed Psychophysiology (William Iacono)
- Advanced Statistical Modeling in Psychophysiology (Theodore Beauchaine)
- EEG/MEG Synchrony/Connectivity (Andreas Keil & Brett Clementz)
- Issues in Quantification and Analysis of Heart Rate Variability (Julian F. Thayer)

**SPR DIVERSITY CELEBRATION RECEPTION**

4:30 p.m.–6:00 p.m.
Thursday, September 11
A704 (Atrium Level)

All attendees are welcome!

You are invited to a reception celebrating the rich diversity of perspectives that can shape our science. The goals of the SPR Diversity Committee are to monitor, highlight, and promote participation of individuals from underrepresented backgrounds in SPR and in psychophysiological research. This inaugural reception offers opportunities for networking and community-building, and for SPR members to share their support and encouragement. Interest in a new diversity-focused mentoring program will also be assessed during the event. We hope you can attend!
**EARLY CAREERS CONVERSATION HOUR**

8:00 p.m.–10:00 p.m.
Thursday, September 11
A704 (Atrium Level)
RSVP by Wednesday, September 3

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 breakout into small groups. To register, please check the appropriate box on the SPR registration form or directly contact the SPR Office Registrar via email at spr@reesgroupinc.com. For questions about this event, please contact Catherine Norris at cnorris2@swarthmore.edu or Philip Gable at pagable@gmail.com. Confirm your attendance by Wednesday, September 3. (Registration for this event is on a first come, first served basis.)

**WOMEN IN SCIENCE AND EDUCATION LUNCHEON**

*Panel Discussion: Work-Life Balance in the Sciences*

11:30 a.m.–1:00 p.m.
Friday, September 12
A704 (Atrium Level)
RSVP by Wednesday, September 3


Please join WISE for a discussion on balancing science and life. Facilitated by a panel of senior, mid-level, and early career scientists, this discussion is inclusive and open to all. Please direct questions about the event to Kimmy Fleming (kafmrb@mail.mizzou.edu) or Reese Minshew (reese.minshew@gmail.com).

To register, please check the appropriate box on the SPR registration form or directly contact the SPR Registrar via email at spr@reesgroupinc.com. Confirm your attendance by Wednesday, September 3. (Registration for this event is on a first come, first served basis.)
GENERAL BUSINESS MEETING AND LUNCHEON
12:15 p.m.–2:15 p.m.
Saturday, September 13
Marquis B Ballroom (Marquis Level)

Join the SPR Board of Directors and fellow SPR attendees at the annual Business Meeting and Luncheon. Pre-registration and an additional fee of $10 per person are required.

If you have not already registered for the luncheon, contact the SPR Registrar via email at spr@reesgroupinc.com. Confirm your attendance by Wednesday, September 3.

INTERNET STATION

An Internet station will be available for all attendees to use at the following times in the Atrium Ballroom B Foyer (Atrium Level), located at the Atlanta Marriott Marquis Hotel:

- Wednesday, September 10 7:00 p.m.–9:00 p.m.
- Thursday, September 11 8:00 a.m.–8:00 p.m.
- Friday, September 12 8:00 a.m.–8:00 p.m.
- Saturday, September 13 8:00 a.m.–9:00 p.m.

SPEAKER READY ROOM

If you are speaking at the meeting, plan time to visit the Speaker Ready Room to review your presentation. This space will not have an audio-visual tech on site, but instead they will be available on call to all speakers. Please contact the SPR Registration Desk in person to arrange for a tech’s assistance. The Speaker Ready Room will be located on the Atrium Level of the Atlanta Marriott Marquis Hotel, known as Atrium Registration Desk Four near the SPR Registration Desk. A sign will be posted outside this room and the space is open during the following hours for use by all speakers:

- Wednesday, September 10 5:00 p.m.–9:00 p.m.
- Thursday, September 11 7:00 a.m.–6:00 p.m.
- Friday, September 12 7:00 a.m.–6:00 p.m.
- Saturday, September 13 7:00 a.m.–2:00 p.m.
FUTURE ANNUAL MEETINGS

55th SPR Annual Meeting
September 30–October 4, 2015
The Westin Seattle Hotel
Seattle, Washington

56th SPR Annual Meeting
September 21–25, 2016
Minneapolis Marriott City Center Hotel
Minneapolis, Minnesota

EXHIBITORS

Take time while you are at the SPR meeting to visit the exhibit area in Atrium Ballroom B (Atrium Level) at the Atlanta Marriott Marquis 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 Exhibit Hours

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Wednesday, Sept. 10</td>
<td>7:00 P.M.–9:00 P.M.</td>
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<tr>
<td>Thursday, Sept. 11</td>
<td>9:45 A.M.–8:00 P.M.</td>
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<tr>
<td>Friday, Sept. 12</td>
<td>10:00 A.M.–8:00 P.M.</td>
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</tbody>
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PROGRAM
Tuesday, September 9, 2014

10:00 a.m.–6:00 p.m. (available for an additional fee)
Room A706

Pre-Conference Workshop #1

THE MINI ERP BOO T CAMP  
(two-day workshop)
Steven J. Luck, PhD
Center for Mind and Brain, University of California, Davis

The ERP Mini Boot Camp is a 2-day condensed workshop version of Steve Luck's 10-day 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 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 and demonstrations by Steve Luck that are tightly linked with his book, An Introduction to the Event-Related Potential Technique, 2nd Edition (MIT Press). Topics will include the following:

1) ERP Components
2) Design and Interpretation of ERP Experiments
3) Electrodes, Amplifiers, Filters, and Noise
4) Averaging, Artifact Rejection, and Artifact Correction
5) Measurement and Statistical Analysis of ERP Components
Wednesday, September 10, 2014

8:30 A.M.–4:30 P.M.  
Room A706

Pre-Conference Workshop #1

THE MINI ERP BOOT CAMP (second day of two-day workshop)  
Steven J. Luck, PhD

8:30 A.M.–4:30 P.M. (available for an additional fee)  
Room A707

Pre-Conference Workshop #2

NIH RESEARCH DOMAIN CRITERIA (RDoC)  
Bruce N. Cuthbert, PhD  
National Institute of Mental Health  
Charles Sanislow, PhD  
Wesleyan University  
Peter J. Lang, PhD  
University of Florida  
Judith M. Ford, PhD  
University of California San Francisco  
Christopher J. Patrick, PhD  
Florida State University  
Alfons O. Hamm, PhD  
University of Greifswald  
Jan Richter, PhD  
University of Greifswald

The Research Domain Criteria Project (RDoC) is a new initiative developed by the National Institute of Mental Health (NIMH) to “Develop, for research purposes, new ways of classifying mental disorders based on dimensions of observable behavior and neurobiological measures.” This project has attracted considerable attention both in the U.S. and internationally as an innovative new approach for studying and classifying psychopathology. RDoC may be viewed as an inherently psychophysiological enterprise, in that it integrates psychological and physiological measurements to explore functional dimensions that range from normal to abnormal extremes.
The aim of this workshop is to provide an in-depth consideration of the project, and of ways that the RDoC framework can be employed to facilitate psychophysiological research on mental disorders. Discussions and questions will be encouraged throughout the workshop in order to develop a full understanding of the RDoC initiative and its directions.

1) The workshop will begin with a presentation of the rationale, background, and organization of the RDoC initiative and its research matrix.

2) The second section of the workshop will include a discussion of the various ways that RDoC research studies can be designed, highlighting differences with traditional ways of studying mental disorders.

3) The afternoon session will include discussions with four SPR presidents whose research programs have contributed significantly to the development of RDoC, and represent outstanding exemplars of work consistent with the RDoC framework.

9:00 a.m.–5:00 p.m. (available for an additional fee)

Room A703

Pre-Conference Workshop #3

HEART RATE VARIABILITY: MECHANISMS, METHODS AND INTERPRETATION

Gary G. Berntson, PhD
The Ohio State University
Dave Lozano
Mindware Technologies

This one-day workshop will consider the psychological and physiological foundations and applications of measures of heart rate variability in psychophysiological contexts. This will include a discussion of the underlying mechanisms of heart rate variability and its autonomic origins, as well as basic recording and data analytic approaches for quantifying heart rate variability. The significance and interpretation of heart rate variability as well as interpretive caveats will be discussed. A final practicum session will demonstrate optimal lead placement and configuration, recording and signal processing and data analysis.
12:00 noon–5:00 p.m.
Room A705

**SPR Board of Directors Meeting**

2:30 p.m.–7:30 p.m.
Atrium Ballroom Foyer

**Registration Open**

5:00 p.m.–9:00 p.m.
Atrium Registration Desk 4

**Speaker Ready Room**

5:30 p.m.–7:00 p.m.
Atrium Ballroom A

**Panel Discussion 1**

**UNDERGRADUATE-DRIVEN RESEARCH IN PSYCHOPHYSIOLOGY**

*Chair:* Echo E. Leaver  
*Salisbury University*  
*Discussant:* Jeffrey Sable  
*Christian Brothers University*

**ADVANCING UNDERGRADUATE RESEARCH BY CREATING A RESEARCH CO-OP: THE C-NERVE EXPERIENCE**

Desiree Budd, Johanna Hopp, Sarah Wood, & Michael Donnelly  
*University of Wisconsin-Stout*

**INDIVIDUAL DIFFERENCES IN BEHAVIORAL INHIBITION AND COGNITIVE CONFLICT FOR HIGH- AND LOW-FAT FOOD ITEMS: AN EEG STUDY**

Katherine Hardy, Angela Oaks, Melissa Warlow, Alicia Miller, Michael Donnelly, & Desiree Budd  
*University of Wisconsin-Stout*

**TO PLAY OR NOT TO PLAY: LONG-TERM CONSEQUENCES OF REPETITIVE SPORTS-RELATED HEAD IMPACTS**

Tim Pastika, Nathan Olinger, Michael Donnelly, Johanna Hopp, Desiree Budd, & Daniel Krenzer  
*University of Wisconsin-Stout*
ADVANCING UNDERGRADUATE RESEARCH THROUGH COLLABORATIVE MENTORSHIPS
Victoria A. Kazmerski
Pennsylvania State University Erie

A COMPARISON OF COPING STRATEGIES ON INDUCED STRESS
Christie Leslie, Alicia McAllister, Cassandra Bramlett, & Victoria A. Kazmerski
Pennsylvania State University Erie

7:00 p.m.–9:00 p.m.
Atrium Ballroom B Foyer

Internet Station

7:00 p.m.–9:00 p.m.
Atrium Ballroom B

Opening Reception
Poster Session I
Exhibits Open
Thursday, September 11, 2014

7:15 A.M.–5:00 P.M.
Atrium Ballroom Foyer

Registration

7:00 A.M.–6:00 P.M.
Atrium Foyer Registration Desk 4

Speaker Ready Room

8:00 A.M.–8:00 P.M.
Atrium Ballroom B Foyer

Internet Station

8:00 A.M.–9:15 A.M.
Room A708

Chairs of Membership Enhancement Committees Meeting

8:15 A.M.–9:45 A.M.
Atrium Ballroom A

Symposium 1.1

WHAT, WHEN, AND HOW: CONTEXTUAL INFLUENCES ON EMOTION REGULATION CHOICES AND SUCCESS

Chairs: Philipp C. Opitz¹ & Sarah R. Cavanagh²
¹University of Southern California, ²Assumption College

Discussant: Sarah R. Cavanagh
Assumption College

DEEPER THAN YOU THINK: SOCIAL INFORMATION AND LEARNING INFLUENCE SKIN CONDUCTANCE RESPONSES TO PAIN

Leonie Koban & Tor D. Wager
University of Colorado at Boulder

CUT! THAT’S A WRAP: REGULATING NEGATIVE EMOTION BY ENDING EMOTION-ELICITING SITUATIONS

Lara Vujovic & Heather L. Urry
Tufts University
THE IMPACT OF CONTEXT AND CHOICE ON EMOTION REGULATION SUCCESS
Philipp C. Opitz1,2, Sarah R. Cavanagh3, & Heather L. Urry1
1Tufts University, 2University of Southern California, 3Assumption College

WHY LOOKING ON THE BRIGHT SIDE MAY NOT ALWAYS BE BEST: CONTEXT MODERATES THE EFFECTS OF COGNITIVE REAPPRAISAL ON EMOTIONAL RESPONSES TO DAILY STRESSORS
Allison S. Troy1 & Iris B. Mauss2
1Franklin & Marshall College, 2University of California, Berkeley

8:15 a.m.–9:45 a.m.
Room A706

Symposium 1.2

BIOMARKERS OF RISK IN CHILDREN OF DEPRESSED MOTHERS
Chair: Brandon E. Gibb
Binghamton University, The State University of New York
Discussant: Sherryl H. Goodman
Emory University

EEG PATTERNS IN INFANTS OF DEPRESSED MOTHERS: INDICES OF VULNERABILITY TO THE DEVELOPMENT OF PSYCHOPATHOLOGY
Meaghan E. McCallum1, Cara M. Lusby1, Sherryl H. Goodman1, & Zachary N. Stowe2
1Emory University, 2University of Arkansas

PARENT AND CHILD DEPRESSION IMPACT EEG ALPHA LEVEL AND ALPHA SYNCHRONY DURING PARENT-CHILD INTERACTIONS
Brandon E. Gibb1, Katie L. Burkhouse1, Max Owens1, Paul D. Hastings2, & Greg J. Siegle3
1Binghamton University, The State University of New York, 2University of California Davis, 3University of Pittsburgh School of Medicine
NEURAL MARKERS OF EMOTIONAL REACTIVITY IN CHILDREN OF DEPRESSED MOTHERS
Katie L. Burkhouse, Max Owens, Anastacia Y. Kudinova, & Brandon E. Gibb
Binghamton University, The State University of New York

EYE TRACKING INDICES OF ATTENTIONAL BIAS IN CHILDREN OF DEPRESSED MOTHERS: POLYGENIC INFLUENCES HELP TO CLARIFY PREVIOUS MIXED FINDINGS
Max Owens¹, Ashley L. Johnson², John E. McGeary³,⁴, Valerie S. Knopik⁴,⁵, Rohan H.C. Palmer⁴,⁵, & Brandon E. Gibb¹
¹Binghamton University, The State University of New York, ²University of Georgia, ³Providence Veterans Affairs Medical Center, ⁴Division of Behavioral Genetics, Rhode Island Hospital, ⁵Brown University

9:45 a.m.–10:15 a.m.
Atrium Ballroom B

Refreshment Break
9:45 a.m.–8:00 p.m.
Atrium Ballroom B

Exhibits Open

10:15 a.m.–10:30 a.m.
Atrium Ballroom A

Welcome and Introductory Remarks
Terry D. Blumenthal, PhD
Wake Forest University

10:30 a.m.–11:30 a.m.
Atrium Ballroom A

Invited Address

HOW EMOTIONS ARE MADE
Lisa Feldman Barrett, PhD
University Distinguished Professor, Department of Psychology, Northeastern University, Boston, MA

Chair: Karen S. Quigley
Northeastern University
32 2014 Program Schedule—Thursday

11:30 A.M.—1:00 P.M.

Lunch Break (on your own)

11:30 A.M.—1:00 P.M.
Meet in the SPR Registration Area on the Atrium Level at 11:30 A.M.

2014 Program Committee

11:30 A.M.—1:00 P.M.
Meet in the SPR Registration Area on the Atrium Level at 11:30 A.M.

Committee on Women in Psychophysiology

11:30 A.M.—1:00 P.M.
Meet in the SPR Registration Area on the Atrium Level at 11:30 A.M.

Outreach Committee

11:30 A.M.—1:00 P.M.
Room A704

Education and Training Committee

Roundtable Discussions
(pre-registration required)

Roundtable #1
Introduction to Combined EEG/fMRI Recording and Analysis
Johannes Hewig & John J.B. Allen

Roundtable #2
New Frontiers in Optical Imaging
Gabriele Gratton & Kathy Low

Roundtable #3
Genetically-Informed Psychophysiology
William Iacono

Roundtable #4
Advanced Statistical Modeling in Psychophysiology
Theodore Beauchaine

Roundtable #5
EEG/MEG Synchrony/Connectivity
Andreas Keil & Brett Clementz
Roundtable #6
Issues in Quantification and Analysis of Heart Rate Variability
Julian F. Thayer

1:00 p.m.–2:30 p.m.
Atrium Ballroom A

Symposium 2.1

IMPLICATIONS OF CLOSE RELATIONSHIP PROCESSES AND MECHANISMS FOR EMOTION: A PSYCHOPHYSIOLOGICAL PERSPECTIVE
Chair: Michelle N. Shiota
Arizona State University

FLEXIBILITY IN SELF- VS. SOCIAL AFFECT REGULATION CORRESPONDS WITH GREATER EMOTIONAL WELLBEING
Lane Beckes¹ & James A. Coan²
¹Bradley University, ²University of Virginia

AN INSECURE BASE: ATTACHMENT STYLE AND ORIENTING RESPONSES TO POSITIVE EMOTION STIMULI
Michelle N. Shiota & Claire I. Yee
Arizona State University

CONFLICTING EMOTIONS IN CLOSE RELATIONSHIPS: AMBIVALENCE OR BALANCE?
Emily A. Butler
University of Arizona

EMOTION REGULATION DURING MARITAL CONFLICT AND MENTAL HEALTH: CONCURRENT AND LONGITUDINAL ASSOCIATIONS
Claudia M. Haase¹, Lian Bloch², & Robert W. Levenson³
¹Northwestern University, ²PGSP-Stanford PsyD Consortium, ³University of California, Berkeley
Symposium 2.2

BANISHING THE ‘STOP HOMUNCULUS’ FROM THEORIES OF EXECUTIVE CONTROL
Chair: Frederick Verbruggen
University of Exeter

PROACTIVE AND REACTIVE STOPPING: AN ATTENTIONAL ACCOUNT
Frederick Verbruggen & Heike Elchlepp
University of Exeter

THE ROLE OF THE GLOBAL STOPPING-NETWORK IN BEHAVIORAL ADAPTATIONS TO SURPRISING EVENTS
Jan R. Wessel & Adam R. Aron
University of California, San Diego

NEUROPHYSIOLOGICAL EVIDENCE FOR A CRITICAL ROLE OF RESPONSE INHIBITION IN RESPONSE SELECTION AND ERROR PREVENTION
Boris Burle
Aix-Marseille University, CNRS

CAUSAL CONTROL OF MEDIAL-FRONTAL CORTEX GOVERS ELECTROPHYSIOLOGICAL AND BEHAVIORAL INDICES OF PERFORMANCE MONITORING AND LEARNING
Geoffrey F. Woodman & Robert M.G. Reinhart
Vanderbilt University

2:30 p.m.—3:00 p.m.
Atrium Ballroom B

Refreshment Break
Symposium 3.1

THE ROLE OF CONTEXT ON INTERRELATED TOP-DOWN AND BOTTOM-UP AFFECTIVE PROCESSES

Chairs: Rebecca L. Silton & Laura Stockdale
Loyola University Chicago

WHEN NEUTRAL ISN’T: EFFECTS OF LOCAL AND GLOBAL CONTEXT ON VALENCE PROCESSING

Bruce D. Bartholow, Curtis D. Von Gunten, & Joseph B. Hilgard
University of Missouri

TOP-DOWN MODULATION OF ATTENTION AND PERCEPTION BY EMOTION

Aprajita Mohanty, Tamara J. Sussman, Jingwen Jin, & Akos Szekely
Stony Brook University

DEFAULT MODE AND REGULATORY NETWORKS DURING EXTERNALLY FOCUSED PROCESSING IN DEPRESSION

Emily Belleau, Lauren E. Taubitz, & Christine L. Larson
University of Wisconsin Milwaukee

NEGATIVE VALENCE SYSTEMS DISTINCTLY INFLUENCE BOTTOM-UP AND TOP-DOWN ATTENTIONAL PROCESSES

Laura Stockdale, Robert G. Morrison, Matthew Kmiecik, Robert Palumbo, James Garbarino & Rebecca L. Silton
Loyola University Chicago
3:00 p.m.–4:30 p.m.

Atrium Ballroom A

**Symposium 3.2**

**VULNERABILITY MARKERS FOR DEPRESSION AND ANXIETY ACROSS DEVELOPMENT: NEW INSIGHTS FROM ERPS**

*Chairs:* Autumn J. Kujawa & Greg Hajcak Proudfit  
*Stony Brook University*  
*Discussant:* Holly Garriock  
*The National Institute of Mental Health*

**INDIVIDUAL DIFFERENCES IN SOCIAL ANXIETY DIFFERENTIALLY AFFECT THE SALIENCE OF ERRORS IN SOCIAL CONTEXTS**

Tyson V. Barker, Sonya Troller-Renfree, & Nathan A. Fox  
*University of Maryland*

**INCREASED ERN PREDICTS THE ONSET OF ANXIETY DISORDERS IN CHILDREN**

Alexandria M. Meyer, Greg Hajcak Proudfit, & Daniel N. Klein  
*Stony Brook University*

**THE LATE POSITIVE POTENTIAL AND RISK FOR DISTRESS AND FEAR DISORDERS IN ADOLESCENCE**

Brady D. Nelson, Greg Perlman,  
Greg Hajcak Proudfit, Daniel N. Klein, & Roman Kotov  
*Stony Brook University*

**ASSOCIATIONS BETWEEN PARENTAL DEPRESSION AND ANXIETY, EARLY PARENTING AND NEURAL REACTIVITY TO REWARDS AND LOSSES IN OFFSPRING**

Autumn J. Kujawa¹, Greg Hajcak Proudfit¹,  
Rebecca Laptook², & Daniel N. Klein¹  
¹*Stony Brook University*, ²*Warren Alpert Medical School of Brown University*
3:00 p.m.–4:30 p.m.  
Room A706

Symposium 3.3

2014 DIVERSITY ISSUES SYMPOSIUM: PHYSIOLOGICAL MECHANISMS LINKING MINORITY STATUS, STRESS, AND HEALTH  
Chairs: Julian F. Thayer\textsuperscript{1} & Michelle N. Shiota\textsuperscript{2}  
\textsuperscript{1}The Ohio State University, \textsuperscript{2}Arizona State University

Titles and authors of specific presentations in this symposium will be listed in the Program Addendum.

4:30 p.m.–6:00 p.m.  
Room A704

SPR Diversity Celebration Reception

5:15 p.m.–6:15 p.m.  
Room A705

Editorial Board Meeting

6:00 p.m.–7:00 p.m.  
Room A708

Diversity Committee

6:00 p.m.–8:00 p.m.  
Atrium Ballroom B

Poster Session II

8:00 p.m.–10:00 p.m.  
Room A704

Early Careers Conversation Hour  
(Pre-registration required)
Friday, September 12, 2014

7:00 a.m.–6:00 p.m.
Atrium Foyer Registration Desk 4

Speaker Ready Room

8:00 a.m.–8:00 p.m.
Atrium Ballroom B Foyer

Internet Station

8:00 a.m.–4:30 p.m.
Atrium Ballroom Foyer

Registration

8:30 a.m.–9:45 a.m.
Meet in the SPR Registration Area on the Atrium Level at 8:30 a.m.

Public Relations Committee

8:30 a.m.–10:00 a.m.
Atrium Ballroom A

Symposium 4.1

AFFECT, COGNITION AND ACTION: CONVERGING EVIDENCE FOR THE INTEGRATION OF AFFECT AND PERFORMANCE MONITORING

Chairs: Blair Saunders & Michael Inzlicht
University of Toronto

THIS IS A CATASTROPHE: ERROR MONITORING AND THREAT SENSITIVITY

Anna E.F. Weinberg1, Anja Riesel2, & Greg Hajcak Proudfit1
1Stony Brook University, 2Humbolt University

FEELINGS IN CONTROL: ERP EVIDENCE FOR ERROR PROCESSING AS A MICRO EMOTIONAL EPISODE

Blair Saunders, Nicholas M. Hobson, & Michael Inzlicht
University of Toronto
ERROR-RELATED ALPHA SUPPRESSION: AN AROUSAL RESPONSE TO MISTAKES?
Rebecca J. Compton
Haverford College

FRONTAL THETA AS A MECHANISM FOR AFFECTIVE AND EFFECTIVE CONTROL
James F. Cavanagh
University of New Mexico

8:30 a.m.–10:00 a.m.
Room A706

Symposium 4.2

THE ACTIVE OBSERVER: CONCEPTUAL AND METHODOLOGICAL ISSUES OF EYE MOVEMENTS IN STUDIES OF COGNITION
Chairs: Pierre Jolicoeur¹ & Andreas Keil²
¹University of Montreal, ²University of Zurich

VALUE DRIVEN MODULATION OF SACCADE-BASED PROBABILISTIC DECISION MAKING
Vincent D. Costa & Bruno B. Averbeck
Unit on Learning and Decision Making, Laboratory of Neuropsychology, NIMH/NIH

NEURAL REGULATION DURING SACCADE TASKS AS BIOMARKERS FOR PSYCHOSIS
Brett A. Clementz & Jennifer E. McDowell
University of Georgia

SACCADE-DRIVEN VERSUS FIXATION-DRIVEN OSCILLATORY ACTIVITY DURING TARGET DETECTION UNDER COMPETITION: CONCEPTUAL AND METHODOLOGICAL ASPECTS
Andreas Keil, Mari Feldhaus, Jessica Oschwald, & Klaus Oberauer
University of Zurich
EYE MOVEMENTS IN ATTENTION AND MEMORY EXPERIMENTS INVOLVING N2PC AND SPCN: NOT AS PROBLEMATIC AS ONE MIGHT SUPPOSE?
Brandi Lee Drisdelle, Sebrina Aubin, & Pierre Jolicoeur
University of Montreal

10:00 A.M.–10:30 A.M.
Atrium Ballroom B Foyer

Refreshment Break

10:00 A.M.–8:00 P.M.
Atrium Ballroom B

Exhibits Open

10:30 A.M.–11:30 A.M.
Atrium Ballroom A

Invited Address

STRESS AS AN ADAPTIVE PROCESS
Hartmut Schächinger, MD
Department of Clinical Psychophysiology, Institute of Psychobiology, University of Trier, Trier, Germany
Chair: Terry D. Blumenthal
Wake Forest University

11:30 A.M.–1:00 P.M.

Lunch Break (on your own)

11:30 A.M.–1:00 P.M.
Meet in the SPR Registration Area on the Atrium Level at 11:30 A.M.
11:30 a.m.–1:00 p.m.
Meet in the SPR Registration Area on the Atrium Level at 11:30 a.m.

**Education and Training Committee**

11:30 a.m.–1:00 p.m.
Room A704

**Women in Science and Education (WISE) Luncheon**

*Panel Discussion: Work-Life Balance in the Sciences*
(Pre-registration required)

1:00 p.m.–3:00 p.m.
Atrium Ballroom A

**Symposium 5.1**

**THE PRESENT AS THE PAST’S FUTURE:**
**PAST PRESIDENTS PANEL**

Chair: Emanuel Donchin  
*University of South Florida*

**STOP ME IF I’M REPEATING MYSELF:**
**BEYOND ORIENTING TO REPETITION**
Margaret M. Bradley  
*University of Florida*

**BRAIN REFLECTIONS: A**
**PSYCHOPHYSIOLOGIST’S VIEW OF BRAIN FUNCTION**
Gabriele Gratton  
*University of Illinois at Urbana-Champaign*

**NEURAL SYSTEMS UNDERLYING RISK FOR DEPRESSION: TOWARDS A NEURALLY-INFORMED TREATMENT APPROACH**
John J.B. Allen  
*University of Arizona*

**A FOND FAREWELL TO AN AFFAIR OF THE HEART: FRANCES K. GRAHAM, 1918–2013**
Keith W. Berg  
*University of Florida*

3:00 p.m.–3:30 p.m.
Atrium Ballroom B

*Refreshment Break*
Symposium 6.1

THE AGONY AND THE ECSTASY:
LEVERAGING PHYSIOLOGICAL INDICES OF
REWARD AND THREAT SENSITIVITY TO
IMPROVE MEASUREMENT OF CLINICAL
PHENOMENA

Chairs: Anna E.F. Weinberg\(^1\) & Dan J. Foti\(^2\)
\(^1\)Stony Brook University, \(^2\)Purdue University
Discussant: Christopher J. Patrick
Florida State University

THE SPECIFICITY OF AFFECTIVE AND
REWARD-RELATED NEURAL DEFICITS
IN DEPRESSION

Dan J. Foti\(^1\) & Daniel G. Dillon\(^2\)
\(^1\)Purdue University, \(^2\)McLean Hospital

ATTENTION TO THREAT AND REWARD IN
ANXIETY AND DEPRESSION
Anna E.F. Weinberg & Greg Hajcak Proudfit
Stony Brook University

A PSYCHONEUROMETRIC APPROACH TO
OPERATIONALIZING THREAT SENSITIVITY

James R. Yancey, Noah C. Venables, &
Christopher J. Patrick
Florida State University

AGGRESSION AND VIOLENCE:
TRANSDIAGNOSTIC PROCESSES
INVOLVING NEGATIVE VALENCE AND
COGNITIVE SYSTEMS

Edelyn Verona\(^{1,2}\) & Konrad Bresin\(^1\)
\(^1\)University of Illinois at Urbana-Champaign,
\(^2\)University of South Florida
Symposium 6.2

USING EEG/ERP METHODS TO DISENTANGLE THE IMPACT OF NOVEL EXPERIMENTAL MANIPULATIONS ON ANXIETY-RELATED PROCESSES
Chairs: Laura J. O’Toole & Tracy A. Dennis
Hunter College, The City University of New York
Discussant: Greg J. Siegle
University of Pittsburgh

AYERIVED CONDITIONING TO ANGRY FACIAL CUES AFFECTS NEURAL RESPONSES TO NOVEL FACIAL STIMULI
Brandon E. Gibb, Max Owens, & Katie L. Burkhouse
Binghamton University, The State University of New York

THE BOMB: THETA OSCILLATIONS AND ANXIETY IN MIDDLE CHILDHOOD
Michael J. Crowley, Jia Wu, Linda C. Mayes, & Wendy K. Silverman
Yale Child Study Center

NEUROCOGNITIVE STUDIES OF ATTENTION BIAS MODIFICATION
Laura J. O’Toole & Tracy A. Dennis
Hunter College, The City University of New York

Invited Address

PHYSICAL ACTIVITY EFFECTS ON MIND AND BRAIN
Arthur F. Kramer, PhD
Director of Beckman Institute for Advanced Science and Technology and Swanlund Chair and Professor of Psychology and Neuroscience, University of Illinois at Urbana-Champaign, Urbana, IL

Chair: Gregory A. Miller
University of California, Los Angeles
6:00 p.m.–8:00 p.m.  
Atrium Ballroom B

**Poster Session III**

8:00 p.m.–9:00 p.m.  
Room A708

**Committee to Promote Student Interests**

8:00 p.m.–10:00 p.m.  
Room A703

**Student Poster Award Committee**

10:00 p.m.–12:00 midnight

**Student Social**  
(location to be announced; all students invited)
Saturday, September 13, 2014

7:00 A.M.–2:00 P.M.
Atrium Foyer Registration Desk 4

Speaker Ready Room

8:00 A.M.–9:00 P.M.
Atrium Ballroom B Foyer

Internet Station

8:30 A.M.–12:30 P.M.
Atrium Ballroom Foyer

Registration

8:30 A.M.–10:00 A.M.
Atrium Ballroom A

Symposium 7.1

DISTINGUISHING DIMENSIONS OF ANXIETY AT THE NEURAL LEVEL
Chair: Jason S. Moser
Michigan State University
Discussant: Gregory A. Miller
University of California, Los Angeles

NEURAL MECHANISMS OF ANXIOUS APPREHENSION AND INTERFERENCE DURING EMOTIONAL AND NON-EMOTIONAL STROOP TASKS
Aminda J. O’Hare¹, Laura D. Crocker²,
Stacie L. Warren³,⁴, Jeffrey M. Spielberg⁵,
Gregory A. Miller²,⁶, & Wendy Heller²
¹University of Massachusetts Dartmouth, ²University of Illinois at Urbana-Champaign, ³St. Louis VA Medical Center, ⁴Palo Alto University, ⁵University of California Berkeley, ⁶University of California, Los Angeles

DISTINGUISHING SUBTYPES OF ANXIETY WITH ERROR-RELATED BRAIN ACTIVITY
Hans S. Schroder, Tim P. Moran, & Jason S. Moser
Michigan State University
WORRIED, OBSESSED, OR ANXIOUS ABOUT ERRORS? DIFFERENTIAL SYMPTOM CONTRIBUTION TO THE ERROR-RELATED NEGATIVITY ACROSS TASKS
Laura Zambrano-Vázquez & John J.B. Allen
University of Arizona

DIVERGENT NEURAL CORRELATES OF HYPERAROUSAL AND INTRUSIVE SYMPTOMS IN ACUTE TRAUMA SURVIVORS
Christine L. Larson¹, Terri deRoon-Cassini², Lauren E. Taubitz¹, & Emily Belleau¹
¹University of Wisconsin-Milwaukee, ²Medical College of Wisconsin

8:30 a.m.–10:00 a.m.
Room A706

Symposium 7.2

THE PSYCHOPHYSIOLOGY OF SELF-REGULATION FROM INFANCY TO LATE CHILDHOOD
Chairs: Elizabeth L. Davis¹ & Rebecca J. Brooker²
¹University of California, Riverside, ²Montana State University

CONTEXT-BASED DIFFERENCES IN DELTA BETA COUPLING AND NEUROENDOCRINE REACTIVITY IN INFANTS
Rebecca J. Brooker¹, Richard J. Davidson³, & H.H. Goldsmith²
¹Montana State University, ²University of Wisconsin-Madison

LONGER NOGO N2 ERP LATENCIES PRESENT IN TODDLERS WITH SLEEP DEFICITS
Caroline P. Hoyniak¹, Isaac T. Petersen¹, John E. Bates¹, Dennis L. Molfese², & Angela D. Staples³
¹Indiana University, ²University of Nebraska, ³University of Virginia
THE ROLE OF AUTONOMIC RECOVERY IN PRESCHOOLERS’ EMOTION REGULATION
Sarah Kahle, Monica Lopez, Jonas Miller, & Paul D. Hastings
University of California, Davis

YOU GET WHAT YOU GET AND YOU DON’T THROW A FIT: MATERNAL EMOTION SOCIALIZATION AND CHILD PHYSIOLOGY JOINTLY PREDICT EARLY PROSOCIAL DEVELOPMENT
Meghan B. Scrimgeour¹, Elizabeth L. Davis², & Kristin A. Buss¹
¹The Pennsylvania State University, ²University of California, Riverside

CHILDREN’S RSA REACTIVITY DURING A DISAPPOINTMENT IS LINKED TO EFFECTIVE USE OF DISTRACTION AND REAPPRAISAL
Elizabeth L. Davis, Laura E. Quiñones-Camacho, & Emily W. Shih
University of California, Riverside

10:00 A.M.—10:30 A.M.
Atrium Ballroom B

Refreshment Break

10:30 A.M.—11:00 A.M.
Atrium Ballroom A

Early Career Award Address

FROM SENSORY PROCESSES TO CONSCIOUS PERCEPTION: INSIGHTS FROM MULTIMODAL INVESTIGATIONS OF THE ATTENTIONAL BLINK
Heleen A. Slagter, PhD
Brain and Cognition, Department of Psychology, University of Amsterdam, Amsterdam, The Netherlands

Chair: John J. Curtin
University of Wisconsin-Madison
11:00 A.M.–12:00 noon
Atrium Ballroom A

**Presidential Address**

**INFORMATION PROCESSING AND PREPULSE INHIBITION OF STARTLE: 40 YEARS OF RESEARCH IN THE FIRST 200 MILLISECONDS**

Terry D. Blumenthal, PhD
Professor of Psychology, Wake Forest University, Winston-Salem, NC

Chair: Alfons O. Hamm
University of Greifswald

12:15 P.M.–2:15 P.M.
Marquis Ballroom B

**SPR Business Meeting and Luncheon**
(Pre-registration required, ticketed event)

2:15 P.M.–7:00 P.M.

**Free Afternoon to Enjoy Atlanta**

7:00 P.M.–9:00 P.M.
Atrium Ballroom B

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**Poster Session IV**

8:30 P.M.–9:30 P.M.
Room A708

**Student Poster Award Committee**

9:00 P.M.–12:00 midnight
Atrium Ballroom A

**Saturday Night Social and Announcement of Student Poster Awards**

All attendees are welcome!
Sunday, September 14, 2014

8:00 A.M.–10:30 A.M.
Room A704

Farewell Breakfast
All attendees are welcome!

9:00 A.M.–1:00 P.M.
Room A705

Board of Directors Meeting
POSTER SESSIONS

Poster Session I
Wednesday, September 10, 2014

7:00 P.M.–9:00 P.M.
Atrium Ballroom B

Poster Session Schedule

4:30 P.M.–6:30 P.M.  Poster Assembled
7:00 P.M.–9:00 P.M.  Authors Present for Discussion and Questions
9:00 P.M.–10:00 P.M. Dismantle Posters

POSTER 1-1
THE EFFECTS OF SELECTIVE ATTENTION ON SOURCE MEMORY RETRIEVAL IN THE YOUNG AND OLD
Jonathan Strunk, Taylor James, & Audrey Duarte
Georgia Institute of Technology

POSTER 1-2
EFFECTS OF AN AUDITORY-BASED TRAINING PROGRAM ON ATTENTION AMONG OLDER ADULTS
Jennifer L. O’Brien¹, Jennifer J. Lister², Susanne Sparkman², Kyle Clifton², & Victoria Williams²
¹University of South Florida St. Petersburg, ²University of South Florida Tampa

POSTER 1-3
ACING DEATH: DIFFERENTIAL BRAIN RESPONSES TO REMINDERS OF DEATH ACROSS THE ADULT LIFESPAN
Jennifer M. Poe, John R. Bluntschli, Molly Maxfield, & Michael A. Kisley
University of Colorado
POSTER 1-4
AGE-RELATED PATTERNS OF CHANGE IN THE DETERMINANTS OF BLOOD PRESSURE IN ADULT AFRICAN AMERICANS
LaBarron K. Hill1, John J. Sollers III2, Roland Thorpe3, Christopher L. Edwards1, Julian F. Thayer4, & Keith E. Whitfield5
1Duke University Medical Center, 2The University of Auckland, New Zealand, 3Johns Hopkins University, 4The Ohio State University, 5Duke University

POSTER 1-5
THE ASSOCIATIVE MEMORY DEFICIT IN AGING: AN EYE-TRACKING AND ERP STUDY
Siri-Maria Kamp & Hubert Zimmer
Saarland University

POSTER 1-6
EXPERIENTIAL-PHYSIOLOGICAL COHERENCE DURING SADNESS REACTIVITY AND REGULATION IN YOUNGER AND OLDER ADULTS
Monika Lohani1 & Derek M. Isaacowitz2
1Brandeis University, 2Northeastern University

POSTER 1-7
THE EFFECT OF PERFECTIONISTIC PERSONALITY TRAITS ON EVENT-RELATED POTENTIAL INDICES OF PERFORMANCE MONITORING
Kaylie A. Carbine1, Tanja Endrass2, & Michael J. Larson1
1Brigham Young University, 2University of Magdeburg

POSTER 1-8
POSTAURICULAR AND STARTLE BLINK REFLEXES ASSESS CONSUMMATORY BUT NOT ANTICIPATORY EMOTIONAL PROCESSING
Stephany M. Molina, Belel Ait Oumeziane, & Stephen D. Benning
University of Nevada, Las Vegas

POSTER 1-9
ERPS ASSESS CONSUMMATORY BUT NOT ANTICIPATORY EMOTIONAL VISUAL ATTENTION
Belel Ait Oumeziane, Stephany M. Molina, & Stephen D. Benning
University of Nevada, Las Vegas
POSTER 1-10
EFFECTS OF HARM, PROBABILITY, NUMERACY, AND PSYCHOPATHY ON AROUSAL DURING RISK JUDGMENTS
Stephen D. Benning & Geoff Powell
*University of Nevada, Las Vegas*

POSTER 1-11
EFFECT OF AGING ON VISUOSPATIAL ATTENTION AND VISUAL WORKING MEMORY: AN ERP STUDY
Manon Maheux & Pierre Jolicoeur
*University of Montreal*

POSTER 1-12
THE EFFECT OF SPATIAL DISTANCE AND PHYSICAL SIMILARITY BETWEEN A TARGET AND A SALIENT DISTRACTER ON ATTENTIONAL SELECTION: EVIDENCE FROM THE N2PC
Brandi Lee Drisdelle & Pierre Jolicoeur
*University of Montreal*

POSTER 1-13
INVESTIGATING ELECTROPHYSIOLOGICAL INDICES OF NEURAL COMPETITION IN A DUAL SELECTIVE-ATTENTION AND WORKING-MEMORY TASK
Dion T. Henare & Paul M. Corballis
*The University of Auckland*

POSTER 1-14
THE BEHAVIOURAL EFFECT OF ATTENTIONAL EEG ALPHA MODULATION IS AFFECTED BY SPEED-ACCURACY TRADE-OFF
Katharina Limbach & Paul M. Corballis
*The University of Auckland*

POSTER 1-15
MOTOR RESPONSE PREPARATION DEFICITS IN A CUED SPATIAL ATTENTION TASK IN AUTISM
Estate (Tato) M. Sokhadze¹, Lonnie L. Sears¹, Guela E. Sokhadze¹, Stephen M. Edelson², Allan Tasman¹, & Manuel F. Casanova¹
¹University of Louisville, ²Autism Research Institute
POSTER 1-16
EFFECTS OF 18 SESSION TMS THERAPY ON GAMMA COHERENCE IN AUTISM
Marie K. Hensley, Ayman S. El-Baz, Estate (Tato) M. Sokhadze, Lonnie L. Sears, & Manuel F. Casanova
University of Louisville

POSTER 1-17
ERROR MONITORING IN INDIVIDUALS WITH AUTISTIC SPECTRUM DISORDER: A META-ANALYSIS
Wen-Pin Chang
Creighton University

POSTER 1-18
A TRIAL-BY-TRIAL DISTRIBUTION-BASED, OUTLIER-REJECTION APPROACH TO CREATING AVERAGED ERPS FOR CONTINGENT NEGATIVE VARIATION PARADIGMS
William J. Gavin¹, Brittany K. Taylor¹, Sidney J. Segalowitz², & Patricia L. Davies¹
¹Colorado State University, ²Brock University

POSTER 1-19
PERFORMANCE MONITORING WHILE VARYING WORKING MEMORY LOAD
Benjamin T. Johnson, Brittany K. Taylor, Patricia L. Davies, & William J. Gavin
Colorado State University

POSTER 1-20
BRAIN COMPUTER INTERFACE CLASSIFIER PARAMETERS ARE INFLUENCED BY PRACTICE: RESULTS FROM A P300 SPELLER
Kimberly J. The, Brittany K. Taylor, Jewel Crasta, Mei-Heng Lin, Elliott M. Forney, Charles W. Anderson, Patricia L. Davies, & William J. Gavin
Colorado State University

POSTER 1-21
THE TEST-RETEST RELIABILITY OF THE VISUALLY-EVOKED CONTINGENT NEGATIVE VARIATION IN CHILDREN AND ADULTS
Brittany K. Taylor, Patricia L. Davies, & William J. Gavin
Colorado State University
POSTER 1-22
PROCESSING OF NUMERICAL MAGNITUDES IN CHILDREN WITH DIFFERENT LEVELS OF MATHEMATICS ACHIEVEMENT: AN ERP STUDY
José G Berumen-Salazar, Fabiola R Gómez-Velázquez, & Andrés A González-Garrido
University of Guadalajara

POSTER 1-23
EEG PECULIARITIES IN PRESCHOOL CHILDREN WITH ADHD
Irma Khachidze¹,², Victor Maloletnev¹, & Manana Gugushvili¹
¹Beritashvili Centre of Experimental Biomedicine,
²Georgian University

POSTER 1-24
THE ASSOCIATION OF CHILDHOOD FITNESS WITH PROACTIVE AND REACTIVE COGNITIVE CONTROL
Keita Kamijo & Hiroaki Masaki
Waseda University

POSTER 1-25
TRAJECTORIES OF RSA REACTIVITY: IMPLICATIONS FOR CHILDHOOD ADJUSTMENT
Santiago Morales, Charles Beekman, & Kristin A. Buss
The Pennsylvania State University

POSTER 1-26
THE SEXUAL DIMORPHIC PATTERN OF CENTRAL ADIPOSITY ON ERPS IN 8- TO 10-YEAR-OLD CHILDREN
University of Illinois at Urbana-Champaign
POSTER 1-27
THE FITKIDS RANDOMIZED CONTROLLED TRIAL: EFFECTS OF PHYSICAL ACTIVITY ON COGNITIVE AND BRAIN HEALTH IN CHILDREN
Lauren B. Raine1, Matthew B. Pontifex2, Naiman A. Khan1, Mark R. Scudder1, Eric S. Drollette1, Robert D. Moore1, Wu Chien-Ting3, Keita Kamijo4, Darla M. Castelli5, & Charles H. Hillman1
1University of Illinois at Urbana-Champaign, 2Michigan State University, 3Schreiner College, 4Waseda University, 5University of Texas at Austin

POSTER 1-28
WEAR YOUR HELMET! THE PERSISTENT INFLUENCE OF PEDIATRIC CONCUSSION ON COGNITIVE CONTROL
Robert D. Moore1, Dominika M. Pindus2, Lauren B. Raine1, Eric S. Drollette1, Mark R. Scudder1, & Charles H. Hillman1
1University of Illinois at Urbana-Champaign, 2Loughborough University

POSTER 1-29
APPLYING THE DIATHESIS-STRESS AND BIOLOGICAL SENSITIVITY MODELS IN ENVIRONMENTS OF BOTH RISK AND PROTECTION SHOWS EVIDENCE OF DIFFERENTIAL ASSOCIATIONS OF CHILD BEHAVIOR OUTCOMES WITH LOW COMPARED TO HIGH RSA
Kristine L. Bova, Lisa M. Gatzke-Kopp, Gregory M. Fosco, & Cynthia J. Willner
The Pennsylvania State University

POSTER 1-30
EMOTIONAL FACE PROCESSING BIASES AND CHILDREN’S SOCIAL WITHDRAWAL AND EXTERNALIZING BEHAVIORS IN SCHOOL
Cynthia J. Willner1, Michelle K. Jetha2, Sidney J. Segalowitz3, & Lisa M. Gatzke-Kopp1
1The Pennsylvania State University, 2Cape Breton University, 3Brock University
POSTER 1-31
APPROACHING REWARD: FEEDBACK-RELATED NEGATIVITY AND ANGER
Douglas J. Angus¹, Kevin Kemkes², & Eddie Harmon-Jones³
¹University of Sydney, ²Utrecht University, ³University of New South Wales

POSTER 1-32
THE SELF-REGULATION OF AVOIDANCE MOTIVATION
Nicholas J. Kelley & Brandon J. Schmeichel
Texas A&M University

POSTER 1-33
SELF-AFFIRMATION SOOTHESTHE HEART: INSULT INCREASES AND SELF-AFFIRMATION DECREASES CARDIOVASCULAR ACTIVITY
David Tang & Brandon J. Schmeichel
Texas A&M University

POSTER 1-34
AGREEING WITH THE SITUATION: TRAIT AGREEABLENESS MAGNIFIES THE EMOTION-MODULATED STARTLE PATTERN
Anna J. Finley, Adrienne Crowell, & Brandon J. Schmeichel
Texas A&M University

POSTER 1-35
ERROR-RELATED NEGATIVITY PREDICTS STARTLE EYE-BLINKS TO POSITIVE IMAGES AFTER EXERCISING SELF-CONTROL
Adrienne Crowell¹, Brandon J. Schmeichel¹, & Eddie Harmon-Jones²
¹Texas A&M University, ²University of New South Wales

POSTER 1-36
DOES AWARENESS OF YOUR BODY CHANGE HOW YOU FEEL?: INVESTIGATING THE RELATIONSHIP BETWEEN INTEROCEPTIVE AWARENESS AND AFFECTIVE REACTIVITY
Erika H. Siegel¹, Jolie Wormwood¹, Lauren Sears¹, Justin Kopec³, Karen Quigley¹,², & Lisa Feldman Barrett¹,³
¹Northeastern University, ²VA Medical Center, ³Harvard Medical School
POSTER 1-37
DID I DO THAT: THE ASSOCIATION BETWEEN ACTION VIDEO GAMING EXPERIENCE AND FEEDBACK PROCESSING IN A GAMBLING TASK
Kira Bailey¹ & Robert West²
¹University of Missouri, ²Iowa State University

POSTER 1-38
EFFECT OF EXPRESSIVE WRITING ON THE CORTISOL AWAKENING RESPONSE IN INDIVIDUALS WITH PARKINSON’S DISEASE AND THEIR CAREGIVERS
Margaret Corum, Therese V. Cash, & Sarah K. Lageman
Virginia Commonwealth University

POSTER 1-39
MINDFULNESS PREDICTS STARTLE REACTIVITY TO AFFECTIVE PICTURES
Kelly E. Harrison, Alyssa M. Ames, & Erin C. Tully
Georgia State University

POSTER 1-40
NEGATIVE AND POSITIVE AFFECT PREDICT MODULATION OF STARTLE REACTIVITY TO EMOTIONAL PHOTOS
Alyssa M. Ames, Khadeja Chowdhury, & Erin C. Tully
Georgia State University

POSTER 1-41
STARTLE REFLEX TRUMPS SCR AT INDEXING AROUSAL DURING ACTIVE IMAGERY TASK WITHOUT CUED ACTION UNITS
Wendy Maxian
Xavier University

POSTER 1-42
GREATER AFFECTIVE STARTLE DURING UNPLEASANT PICTURES AND EMOTION DYSREGULATION IN MULTIPLE - COMPARED TO SINGLE-SUICIDE ATTEMPTERS AND IDEATORS
Erin A. Hazlett, Nicholas J. Blair, Nicolas G. Fernandez, Kathryn A. Mascitelli, David Banthin, & Marianne Goodman
Icahn School of Medicine at Mount Sinai
POSTER 1-43
RELATIONSHIPS AMONG EMOTIONAL INFORMATION PROCESSING, RESTING HEART RATE AND RESPIRATORY SINUS ARRHYTHMIA: EVIDENCE FROM A DIVERSE COMMUNITY SAMPLE
Sarah Herzog, Steven Freed, Jonathan M. DePierro, & Wendy D’Andrea
New School for Social Research

POSTER 1-44
TO CONNECT WITH OTHERS, UNDERSTAND YOURSELF: SELF-AWARENESS AND SOCIAL COGNITION IN TRAUMATIZED YOUTH
Erin Stafford, Andrea Fortunato, & Wendy D’Andrea
New School for Social Research

POSTER 1-45
HEART BEAT DETECTION AND BODY PERCEPTION IN CHILDHOOD TRAUMA SURVIVORS
Treva C. Van Cleave, Vivian Khedari, Sophie Parens, & Wendy D’Andrea
New School for Social Research

POSTER 1-46
AUTONOMIC CORRELATES OF TRAIT MINDFULNESS
Ashley Doukas, Sarah Herzog, Erica Gardner-Schuster, & Wendy D’Andrea
New School for Social Research

POSTER 1-47
NEITHER HERE NOR THERE: AUTONOMIC ACTIVITY AND PROSODY IN TRAUMA SURVIVORS
Reese Minshew¹, Wendy D’Andrea¹, & Greg J. Siegle²
¹New School for Social Research, ²University of Pittsburgh

POSTER 1-48
RELATIONSHIP BETWEEN RESTING HEART RATE AND RISK-TAKING: EVIDENCE FROM AN ADOLESCENT POPULATION IN RESIDENTIAL TREATMENT
Stephanie M. Shiffler, Steven Freed, & Wendy D’Andrea
New School for Social Research
POSTER 1-49
AFFECT-MODULATED STARTLE REACTIVITY, SUPPRESSION, AND INTERPERSONAL PROBLEMS
Nicholas Fehertoi, Kellie Lee, Jonathan M. DePierro, Steven Freed, & Wendy D’Andrea
New School for Social Research

POSTER 1-50
INDIVIDUAL DIFFERENCES IN ATTENTIONAL CONTROL INFLUENCE AFFECTIVE STARTLE MODIFICATION
Xiao Yang, Derek P. Spangler, Jared J. McGinley, & Bruce H. Friedman
Virginia Tech

POSTER 1-51
MEASURING TRAIT EMOTION REGULATION WITH HEART RATE VARIABILITY: AN SEM APPROACH
Derek P. Spangler & Bruce H. Friedman
Virginia Tech

POSTER 1-52
RMSSD AND HIGH FREQUENCY POWER ARE HIGHLY CORRELATED BUT ARE THEY MEASURING THE SAME THING?
Jared J. McGinley¹, Erica A. Lee², & Bruce H. Friedman¹
¹Virginia Tech, ²North Carolina State University

POSTER 1-53
BEHAVIORAL AND NEUROPHYSIOLOGICAL CORRELATES OF SEQUENTIAL LEARNING ARE ASSOCIATED WITH LANGUAGE DEVELOPMENT IN CHILDREN
Joanne A. Deocampo, Christopher M. Conway, Leyla Eghbalzad, & Jerome Daltrozzo
Georgia State University

POSTER 1-54
CAN WE IMPROVE STRUCTURED SEQUENTIAL PROCESSING AND LANGUAGE FUNCTIONS?: AN ERP STUDY
Gretchen N.L. Smith & Christopher M. Conway
Georgia State University
POSTER 1-55
EVENT-RELATED POTENTIAL EFFECTS OF VISUAL SEQUENTIAL LEARNING ARE RELATED TO RECEPTIVE VOCABULARY ABILITY
Marjorie Freggens, Jerome Daltrozzo, Joanne A. Deocampo, & Christopher M. Conway
Georgia State University

POSTER 1-56
AN EVENT-RELATED POTENTIAL EFFECT OF AUDITORY SEQUENTIAL LEARNING RELATED TO SYNTACTIC PROCESSING OF NATURAL LANGUAGE
Sonia Singh, Jerome Daltrozzo, Joanne A. Deocampo, & Christopher M. Conway
Georgia State University

POSTER 1-57
PSYCHOPATHIC TRAITS AND SUSCEPTIBILITY TO CONTAGIOUS YAWNING
Brian K. Rundle & Matthew S. Stanford
Baylor University

POSTER 1-58
A PHYSIOLOGICAL MEASUREMENT OF SELF-REGULATION DEPLETION
Jesus Chavarria & Jeanette Taylor
Florida State University

POSTER 1-59
AN ERP PRELIMINARY STUDY: COMPLEX SOUND VIBROTACTILE DISCRIMINATION IN SUBJECTS WITH PROFOUND DEAFNESS
Vanessa D. Ruiz-Stovel¹, Andrés A. González-Garrido¹, Fabiola R. Gómez-Velázquez¹, & Luis R. Campos²
¹University of Guadalajara, ²Universidad de Morón

POSTER 1-60
THE INFLUENCE OF BIS AND BAS ON EMOTIONAL PROCESSING AND EMOTIONAL MEMORY
Patricia L. Johnson, Geoffrey F. Potts, & Cynthia R. Cimino
University of South Florida
POSTER 1-61
IMPULSIVITY AND REWARD SENSITIVITY TO BAD OUTCOMES: AN INVESTIGATION OF A PASSIVE VS. DECISION-MAKING TASK
Heather E. Soder, Troy A. Webber, Kyle J. Curham, Marina A. Bornovalova, & Geoffrey F. Potts
University of South Florida

POSTER 1-62
FAMILIAL EFFECTS ON PEER INFLUENCED RISK-TAKING BEHAVIOR: BEHAVIORAL AND PHYSIOLOGICAL EVIDENCE
Troy A. Webber, Heather E. Soder, Ali Sibiga, Geoffrey F. Potts, & Marina A. Bornovalova
University of South Florida

POSTER 1-63
THE EFFECT OF MOTIVATIONAL ERROR MONITORING SYSTEMS ON SPATIAL ATTENTION
Constanza de Dios & Geoffrey F. Potts
University of South Florida

POSTER 1-64
THE SIGN OF ALTRUISM? AN EXPLORATORY STUDY ABOUT MIDFRONTAL THETA ACTIVITY AND ALTRUISM IN THE DICTATOR GAME
Johannes Rodrigues, Natalie Ulrich, & Johannes Hewig
University of Würzburg

POSTER 1-65
CHANGING THE PROCESSING OF NEAR-MISSES THROUGH AN INFORMATORY INTERVENTION
Natalie Ulrich, Maria Weiss, & Johannes Hewig
University of Würzburg

POSTER 1-66
RELATIONSHIPS BETWEEN LPP MAGNITUDE AND BOLD ACTIVATION DURING EMOTIONAL PROCESSING AND ATTENTIONAL DEPLOYMENT
Jamie Ferri, Anna E.F. Weinberg, Greg Hajcak Proudfit, & Turhan Canli
Stony Brook University
POSTER 1-67
SINGLE-SESSION ATTENTION BIAS MODIFICATION REDUCES THE ERN
Felicia L. Jackson1, Brady D. Nelson1, Nader Amir2, & Greg Hajcak Proudfit1
1Stony Brook University, 2San Diego State University

POSTER 1-68
THE LATE POSITIVE POTENTIAL (LPP) AS A NEURAL MARKER OF COGNITIVE REAPPRAISAL IN ADOLESCENTS
Brittany C. Speed, Emily M. Hale-Rude, & Greg Hajcak Proudfit
Stony Brook University

POSTER 1-69
REWARD-RELATED BRAIN ACTIVITY AND DEPRESSIVE SYMPTOMS IN ADOLESCENCE: RESULTS FROM A TEMPORAL-SPATIAL PCA IN A LARGE COMMUNITY SAMPLE
Jennifer N. Bress & Greg Hajcak Proudfit
Stony Brook University

POSTER 1-70
INCREASED ERROR-RELATED BRAIN ACTIVITY PREDICTS THE SUBSEQUENT ONSET OF ANXIETY DISORDERS IN CHILDREN
Alexandria M. Meyer, Greg Hajcak Proudfit, & Daniel N. Klein
Stony Brook University

POSTER 1-71
NEURAL CORRELATES OF RELATIONSHIP QUALITY FACTORS IN INDIVIDUALS PROCESSING FACES OF THEIR ROMANTIC PARTNERS
Erin N. Burdwood & Robert F. Simons
University of Delaware

POSTER 1-72
FEEDBACK-RELATED NEGATIVITY IN RESPONSE TO EXPLOITATION DURING A REPEATED INVESTMENT GAME
Emilio A. Valadez, Yiming Jing, & Robert F. Simons
University of Delaware
POSTER 1-73
PREVIOUS PERFORMANCE MODULATES NEURAL CORRELATES OF REWARD AND PUNISHMENT ANTICIPATION
Zachary P. Infantolino¹, Laura D. Crocker², Jeffrey M. Spielberg³, Bradley P. Sutton², Marie T. Banich⁴, Gregory A. Miller²,⁵, & Wendy Heller²
¹University of Delaware, ²University of Illinois at Urbana-Champaign, ³Veterans Affairs Boston Healthcare System, ⁴University of Colorado at Boulder, ⁵University of California at Los Angeles

POSTER 1-74
5HTTLPR GENOTYPE AND LIFE EXPERIENCE INTERACT TO INFLUENCE ELECTROCORTICAL INDICES OF AFFECTIVELY BIASED COMPETITION
Kevin H. Roberts¹, Lena J. Fürst², Matthias J. Wieser², Daniel J. Müller³, & Rebecca M. Todd¹
¹University of British Columbia, ²University of Würzburg, ³Centre for Addiction and Mental Health

POSTER 1-75
ATTENTIONAL FACILITATION OF CHANGE DETECTION IS MODULATED BY EXPRESSION OF UNDERLAIDED FACE STIMULI IN ADRA2B DELETION CARRIERS
Lena J. Fürst¹, Matthias J. Wieser¹, Daniel J. Müller², Kevin W. Roberts³, & Rebecca M. Todd³
¹University of Würzburg, ²Centre for Addiction and Mental Health, ³University of British Columbia

POSTER 1-76
PARSING REWARD PROCESSING ACROSS TIME AND FREQUENCY THROUGH EVENT-RELATED OSCILLATIONS AND EVENT-RELATED POTENTIALS
Narun Pornpattananangkul & Robin Nusslock
Northwestern University
POSTER 1-77
THE EFFECT OF HELPLESSNESS INDUCTION ON POSTERIOR VERSUS ANTERIOR THETA ACTIVITY
Samantha J. Reznik¹, Narun Pornpattananangkul¹, Robin Nusslock¹, James A. Coan², Lyn Y. Abramson³, & Eddie Harmon-Jones⁴
¹Northwestern University, ²University of Virginia, ³University of Wisconsin, ⁴University of New South Wales

POSTER 1-78
ALLOCATION OF ATTENTIONAL RESOURCES TO FEMALE FACES IS MODERATED BY PERCEIVER’S MATING MARKET VALUE: EVIDENCE FROM EVENT-RELATED BRAIN POTENTIALS (ERPs)
Laura K. Morgan & Michael A. Kisley
University of Colorado Colorado Springs

POSTER 1-79
ATTENTION ALLOCATION AS A FUNCTION OF ADULT ATTACHMENT STYLE AND RELATIONSHIP STATUS: AN EVENT-RELATED POTENTIAL STUDY
Isabel A. Davis, Laura M. Lathrop, & Michael A. Kisley
University of Colorado Colorado Springs

POSTER 1-80
THE USE OF A TIME-EFFICIENT OPTIMAL PARADIGM FOR THE ELICITATION OF THE P3A
Paniz Tavakoli¹, Alexander Muller-Gass², & Kenneth Campbell¹
¹University of Ottawa, ²Defence Research and Development Canada

POSTER 1-81
CONTENT-SPECIFIC ASSOCIATIONS BETWEEN STARTLE MODULATION AND BOLDNESS
Pablo Ribes, Rosario Poy, Pilar Segarra, Alicia Fonfría, Carlos Ventura, Àngels Esteller, & Javier Moltó
Jaume I University of Castellón

POSTER 1-82
MEANNESS AND REDUCED CORRUGATOR EMG ACTIVITY FOR MUTILATION SCENES
Alicia Fonfría, Pilar Segarra, Rosario Poy, Àngels Esteller, Pablo Ribes, Carlos Ventura, & Javier Moltó
Jaume I University of Castellón
POSTER 1-83
EFFECT OF THREAT-RELATED EXPECTATION ON PERCEPTUAL SENSITIVITY IN ANXIETY
Tamara J. Sussman, Akos Szekely, Greg Hajcak Proudfit, & Aprajita Mohanty
Stony Brook University

POSTER 1-84
EFFECT OF CONTEXT ON NEURAL CORRELATES OF VALENCE
Jingwen Jin1, Aprajita Mohanty1, Christina Zelano2, & Jay Gottfried2
1Stony Brook University, 2Northwestern University, Feinberg School of Medicine

POSTER 1-85
EMOTION REGULATION AND HEART RATE VARIABILITY: EFFECT OF REAPPRAISAL ON CARDIOVASCULAR RESPONSES TO AFFECTIVE PICTURES
Jonathan R. Krygier1, James A.J. Heathers1, James J. Gross2, Maree Abbott1, & Andrew H. Kemp3
1University of Sydney, 2Stanford University, 3University of Sao Paulo

POSTER 1-86
HOW ACCURATELY CAN WE MONITOR HEART RATE BY PULSE? IMPLICATIONS FOR BEHAVIOURAL RESEARCH
James A.J. Heathers
University of Sydney

POSTER 1-87
THE IMMEDIATE EVALUATION OF RISKINESS IN THE BRAIN
Barbara Schmidt1, Patrick Mussel1, Björn Rasch2, & Johannes Hewig1
1University of Würzburg, 2University of Fribourg

POSTER 1-88
INCREASED AUTONOMIC MODULATION IN ANXIOUS AND BEHAVIORALLY INHIBITED INDIVIDUALS DURING DELAY EYEBLINK CONDITIONING
Maciej Sprycha1 & Richard J. Servatius1,2
1Rutgers New Jersey Medical School, New Jersey Institute of Technology, 2VA New Jersey Health Care System
POSTER 1-89
INTERSPECIES FACIAL MIMICRY AND EMPATHY: HUMAN EMPATHY AND THE MIMICRY OF FACIAL EXPRESSIONS OF CHIMPANZEE
Alejandra Torres-Araneda & Carlos Cornejo
Pontifical Catholic University of Chile

POSTER 1-90
ON THE “RIGHT SIDE” OF MISTAKES: EVIDENCE FOR A LATERALIZED RELATIONSHIP BETWEEN ANXIETY AND THE ERROR-RELATED NEGATIVITY
Yanli Lin, Tim P. Moran, Hans S. Schroder, & Jason S. Moser
Michigan State University

POSTER 1-91
ELECTROENCEPHALOGRAPHIC TOPOGRAPHIC AND TOMOGRAPHIC MEASURES OF THE FACIAL AND VISUAL EXPERTISE-REGULATED N170 COMPONENT AS A FUNCTION OF LATERALIZED EMOTIONAL DISTRactors AND NICOTINE REPLACEMENT THERAPY
Ryan P. Coppens, James D. Bender, & David G. Gilbert
Southern Illinois University
Poster Session II
Thursday, September 11, 2014

6:00 p.m.–8:00 p.m.
Atrium Ballroom B

Poster Schedule

7:45 a.m.–9:45 a.m. Posters Assembled
9:45 a.m.–6:00 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

POSTER 2-1
USING EEG TO TEST ALTERNATIVE MODELS OF IMPLICIT CONTRAST EFFECTS
Curtis D. Von Gunten & Bruce D. Bartholow
University of Missouri

POSTER 2-2
DIGIT RATIO MEASURES OF PRENATAL TESTOSTERONE EXPOSURE IN PREDICTING PROVOKED AGGRESSION
Joseph B. Hilgard, Christopher R. Engelhardt, & Bruce D. Bartholow
University of Missouri

POSTER 2-3
TO ERR IS HUMAN; TO REGULATE EMOTION, STILL HUMAN BUT MORE ACCURATE: REGULATING EMOTIONAL RESPONSE TO ERRORS ENHANCES PERFORMANCE
Meredith P. Johnson & Bruce D. Bartholow
University of Missouri

POSTER 2-4
MOTIVATIONAL AND ATTENTIONAL CONSEQUENCES OF USING UNIVERSITY-AFFILIATION TO MARKET ALCOHOL
Hannah I. Volpert, Meredith P. Johnson, & Bruce D. Bartholow
University of Missouri
POSTER 2-5
GRAB SOME BUDS: EFFECTS OF INGROUP AFFILIATION ON THE MOTIVATIONAL SALIENCE OF ALCOHOL CUES
Kimberly A. Fleming, Hannah I. Volpert, Meredith P. Johnson, & Bruce D. Bartholow
University of Missouri

POSTER 2-6
IMPULSIVITY ENHANCES LEFT-FRONTAL ACTIVATION TO ALCOHOL CUES
Nicole C. Mechin1, Hunter Threadgill1, Zach Beasley1, Josh A. Hicks2, & Philip A. Gable1
1 The University of Alabama, 2 Texas A&M University

POSTER 2-7
PRE-GOAL MOTIVATIONS AS PREPARATION FOR ACTION: EVIDENCE FROM BETA SUPPRESSION
David L. Adams, Allison F. Bouslog, Lauren E. Browning, & Philip A. Gable
University of Alabama

POSTER 2-8
FINDING CONFLICT WHERE NONE EXISTS: ALCOHOL WORDS INTERFERE WITH COGNITIVE CONTROL IN LOW SENSITIVITY DRINKERS
Kira Bailey & Bruce D. Bartholow
University of Missouri

POSTER 2-9
AFFECTIVE MODIFICATION OF STARTLE TO ALCOHOL CUES IN UNDERGRADUATES
Joseph S. Baschnagel, Jonathan Schwartz, Brandon Dziedzic, Matt Duell, & Vanessa Aube
Rochester Institute of Technology

POSTER 2-10
ANTICIPATION OF SMOKING ATTENUATES STRESS RESPONSE MEASURED WITH STARTLE POTENTIATION AND SELF-REPORT IN NICOTINE DEPRIVED SMOKERS
Daniel E. Bradford1, Rachel A. Korhumel1, Anton Makhidorada1, Kristen M. Grabinski1, Gregory J. Raupp1, John J. Curtin1, & Megan E. Piper2
1 University of Wisconsin-Madison, 2 Center for Tobacco Research and Intervention, University of Wisconsin-Madison
POSTER 2-11
INDIVIDUAL DIFFERENCES IN BRAIN RESPONSES TO CIGARETTE-RELATED CUES AND PLEASANT STIMULI IN YOUNG SMOKERS
Jeffrey M. Engelmann¹, Francesco Versace¹, Jonathan C. Gewirtz², Bruce N. Cuthbert³, & Paul M. Cinciripini¹
¹The University of Texas MD Anderson Cancer Center, ²University of Minnesota, ³The National Institute of Mental Health

POSTER 2-12
SMOKING URGES AFTER A STRESSOR TASK ARE MEDIATED BY NEGATIVE EMOTION
Georgia Panayiotou¹, Maria Karekla¹, Spyros Christos Champi¹, & Bradley N. Collins²
¹University of Cyprus, ²Temple University

POSTER 2-13
EFFECTS OF NICOTINE REPLACEMENT THERAPY AND EMOTIONAL DISTRACTORS ON P3B AMPLITUDES
Ryan P. Coppens, James D. Bender, & David G. Gilbert
Southern Illinois University

POSTER 2-14
WHERE IN THE BODY ARE DISCRETE EMOTIONS
Erika H. Siegel¹, Molly Cannon¹, Paul Condon¹, Karen Quigley¹, & Lisa Feldman Barrett¹,²
¹Northeastern University, ²Harvard Medical School

POSTER 2-15
IT’S ALL IN THE FACE: SUBJECTIVE AND PHYSIOLOGICAL REACTIVITY TO AFFECTIVE FACES FOLLOWING ATTENTION TRAINING
Elizabeth R. Duval, James L. Abelson, & Israel Liberzon
University of Michigan Health System

POSTER 2-16
TRAIT FEAR AND AMYGDALA VOLUME: BIGGER IS NOT NECESSARILY BETTER
Isabella M. Palumbo¹, Craig R. Wilson¹, Jens Foell¹, Nathalie Vizueta², & Christopher J. Patrick¹
¹Florida State University, ²University of California Los Angeles
POSTER 2-17
DISINHIBITION PREDICTS ENHANCED AMYGDALA ACTIVATION DURING VIEWING OF EMOTIONAL PICTURES
Jens Foell¹, Casey M. Strickland¹, Sarah J. Brislin¹, Dongju Seo², & Christopher J. Patrick¹
¹Florida State University, ²Yale University School of Medicine

POSTER 2-18
FEAR PSYCHOPATHOLOGY, DISPOSITIONAL THREAT SENSITIVITY, AND ENHANCED CORRUGATOR REACTIVITY TO AVERSIVE PICTURES
James R. Yancey, Whitney L. Catoe, Craig R. Wilson, & Christopher J. Patrick
Florida State University

POSTER 2-19
PSYCHONEUROMETRIC COMPOSITE INDICES OF TRAIT FEAR AND DISINHIBITION AS PREDICTORS OF SUICIDE RISK
Noah C. Venables¹, James R. Yancey¹, Robert F. Krueger², William G. Iacono², Matt McGue², Thomas E. Joiner¹, & Christopher J. Patrick¹
¹Florida State University, ²University of Minnesota

POSTER 2-20
P3 AMPLITUDE SHOWS DIFFERENTIAL RELATIONS WITH TRIARCHIC PSYCHOPATHY FACETS
Sarah J. Brislin, James R. Yancey, Laura D. Drislane, Colin B. Bowyer, Nina Roche, & Christopher J. Patrick
Florida State University

POSTER 2-21
DISPOSITIONAL THREAT SENSITIVITY AND AVERSIVE STARTLE POTENTIATION: MODERATING IMPACT OF GENERAL DISTRESS
Colin B. Bowyer, Rachel L. Katz, Eleonora Poli, James R. Yancey, & Christopher J. Patrick
Florida State University
POSTER 2-22
ELECTROPHYSIOLOGICAL EVIDENCE OF ALTERED VISUAL PROCESSING IN ADULTS WITH BLOCKED PATTERN VISION DURING INFANCY
Avital Sternin\textsuperscript{1}, Sidney J. Segalowitz\textsuperscript{1}, Terri L. Lewis\textsuperscript{2}, Jane Dywan\textsuperscript{1}, & Daphne Maurer\textsuperscript{2}
\textsuperscript{1}Brock University, \textsuperscript{2}McMaster University

POSTER 2-23
COMPOUNDING MATTERS: THE P1 AS AN INDEX OF SEMANTIC ACCESS TO COMPOUND WORDS
Charles P. Davis, Gary Libben, & Sidney J. Segalowitz
Brock University

POSTER 2-24
PROBLEM GAMBLING AND THE FRN
Angela Dzyundzyak\textsuperscript{1}, Diane L. Santesso\textsuperscript{3}, & Sidney J. Segalowitz\textsuperscript{1}
\textsuperscript{1}Brock University, \textsuperscript{2}University of Winnipeg

POSTER 2-25
CARDIAC AUTONOMIC REGULATION AND COGNITIVE CONTROL IN OLDER AND YOUNGER ADULTS
Lesley J. Capuana, Jane Dywan, Raechelle M. Gibson, & Sidney J. Segalowitz
Brock University

POSTER 2-26
THE EFFECT OF SHORT-TERM SLEEP DEPRIVATION ON THE FACE-SENSITIVE N170: CAN 20 HOURS WAKEFULNESS INTERFERE WITH PERCEPTUAL BINDING?
Allan S. Campopiano & Timothy I. Murphy
Brock University

POSTER 2-27
MINDFULNESS TREATMENT FOR BOYS WITH ADHD IMPROVES ERP INDICES OF ATTENTION
Karen Milligan\textsuperscript{1}, Leanne Wilkins\textsuperscript{1}, Anabel Sibalis\textsuperscript{2}, Flavia Spiroiu\textsuperscript{1}, Paul Badali\textsuperscript{3}, Louis A. Schmidt\textsuperscript{4}, & Sidney J. Segalowitz\textsuperscript{5}
\textsuperscript{1}Ryerson University, \textsuperscript{2}University of Toronto, \textsuperscript{3}Integra, \textsuperscript{4}McMaster University, \textsuperscript{5}Brock University
POSTER 2-28
MINDFULNESS MARTIAL ARTS TRAINING MAINTAINS INTERTRIAL COHERENCE INDICES OF SELECTIVE ATTENTION IN ADOLESCENTS WITH ADHD AND/OR LEARNING DISABILITIES OVER REPEATED TASK ADMINISTRATION
Christine L. Lackner1, Karen Milligan2, Leanne Wilkins2, Flavia Spiroiu2, Paul Badali3, Louis A. Schmidt4, & Sidney J. Segalowitz1
1Brock University, 2Ryerson University, 3Integra, 4McMaster University

POSTER 2-29
DO MINDFULNESS AND/OR THOUGHT SUPPRESSION MEDIATE PSYCHOPHYSIOLOGICAL TREATMENT EFFECTS IN SUBSTANCE ABUSERS TREATED WITH MINDFULNESS BASED RELAPSE PREVENTION, RELAPSE PREVENTION OR TREATMENT AS USUAL?
Haley A. Carroll, Mary E. Larimer, & M. Kathleen B. Lustyk
University of Washington

POSTER 2-30
MODULATION OF ANGER BY THE MEDITATIVE STATE
Alex Fennell, Ruth Ann Atchley, Tori Young, & Erik M. Benau
University of Kansas

POSTER 2-31
ATTENTIONAL EFFECTS OF PRACTISING QIGONG WITH AND WITHOUT MUSIC: AN EEG STUDY
Diana Henz, Pascal Tänny, & Wolfgang I. Schöllhorn
University of Mainz

POSTER 2-32
DOES SELF-COMPASSION MEDITATION ENHANCE POSITIVE SELF-REFERENTIAL PROCESSING?
Hans Kirschner, Willem Kuyken, & Anke Karl
University of Exeter
Poster 2-33
Psychophysiological reactions involved in two different body exposures in women with high body dissatisfaction
Sandra Díaz-Ferrer, Blanca Ortega-Roldán, José Luis Mata-Martín, Sonia Rodríguez-Ruiz, & M. Carmen Fernández-Santaella
University of Granada

Poster 2-34
Autonomic mechanisms underlying the cardiac defense response: new evidence
Javier Rodríguez-Árbol¹, Isis González-Usera¹, José Luis Mata¹, Eliane Volchan², M. Carmen Fernández¹, & Jaime Vila¹
¹University of Granada, ²Federal University of Rio de Janeiro

Poster 2-35
Posturographic response of women with high and low body dissatisfaction exposed to full-length mirror image
Blanca Ortega-Roldán, Sandra Díaz-Ferrer, Pandelis Perakakis, Sonia Rodríguez-Ruiz, & Jaime Vila
University of Granada

Poster 2-36
Asparagine level in hippocampus and working memory test performance
Stanislav Kozlovskiy, Maria Pyasik, & Alexander Vartanov
Lomonosov Moscow State University

Poster 2-37
Visual representations across memory systems
Sarah Reaves, Jonathan Strunk, Paul Verhaeghen, & Audrey Duarte
Georgia Institute of Technology

Poster 2-38
The effect of memory suppression on ERP-based concealed memory detection
Xiaoqing Hu & J. Peter Rosenfeld
Northwestern University
POSTER 2-39
INFLUENCE OF PROACTIVE CONTROL ON SUBSEQUENT MEMORY PERFORMANCE
Jonathan Strunk & Audrey Duarte
Georgia Institute of Technology

POSTER 2-40
PHYSIOLOGICAL MEASURES OF TRUE AND FALSE MEMORIES WITH POSITIVE AND NEGATIVE AFFECT
Echo E. Leaver¹ & Zane Faulkner²
¹Salisbury University, ²Aurora Pavilion Behavioral Health Services

POSTER 2-41
MIDLINE FRONTAL THETA IN REST STATE PREDICTS WORKING MEMORY PERFORMANCE
Yuri G. Pavlov
Ural Federal University

POSTER 2-42
WORKING MEMORY ENCODING IN THE ATTENTIONAL BLINK AND ITS ROLE IN EARLY ATTENTIONAL PROCESSING: EVIDENCE FROM HUMAN ELECTROPHYSIOLOGY
Talia Losier¹, Christine Lefebvre¹, Mattia Doro², Roberto Dell’Acqua², & Pierre Jolicoeur¹
¹University of Montreal, ²Università Degli studi di Padova

POSTER 2-43
USING PUPIL DATA AND ERPS TO DISCLOSE COGNITIVE PROCESSES INVOLVED IN SOLVING WORKING MEMORY TASKS
Michael A. Kursawe & Hubert D. Zimmer
Saarland University

POSTER 2-44
NEURAL RESPONSE TO VISUAL DISTRACTERS DURING MEMORY MAINTENANCE
Colleen A. Brenner, Gabriel Brooks, & Samuel Rumak
University of British Columbia
POSTER 2-45
EFFECTS OF EMOTION ON RELATIONAL LONG-TERM MEMORY: RECOGNITION POTENTIALS
Mathias Weymar¹, Carlos Ventura-Bort²,
Andreas Löw¹, Javier Moltó², & Alfons O. Hamm¹
¹University of Greifswald, ²Jaume I University of Castellón

POSTER 2-46
THE EFFECT OF EMOTIONAL STIMULI ON WORKING MEMORY USING A CHANGE DETECTION TASK
Jessica Sanches B. Figueira¹, Letícia de Oliveira¹,
Isabela V.P. Lobo¹, Mirtes G. Pereira¹,
Erick F.Q. Conde², & Isabel P.A. David¹
¹Federal Fluminense University, ²Federal University of Pernambuco

POSTER 2-47
NEURAL PROCESSING OF TRAUMA MEMORY
Geraldine Gvozdanovic¹, Erich Seifritz¹,
Philipp Staempfli¹, & Björn Rasch²
¹University of Zuerich, ²University of Fribourg

POSTER 2-48
ELECTROPHYSIOLOGICAL INDICES OF PLASTICITY FOLLOWING INTERMITTENT THETA BURST STIMULATION TO MOTOR CORTEX
Matthew A. Gannon & Nathan A. Parks
University of Arkansas

POSTER 2-49
EXAMINING MECHANISMS OF SHORT-TERM VISUAL PLASTICITY THROUGH THE CORTICAL REPRESENTATION OF THE RETINAL BLIND SPOT
Dorothy J. Currey, Matthew A. Gannon, & Nathan A. Parks
University of Arkansas

POSTER 2-50
PERFORMANCE MONITORING AND SEROTONIN TRANSPORTER GENE POLYMORPHISMS (5-HTTLPR) IN OLDER ADULTS
Kyle R. Hill, Isaac Hunt, Cynthia E. Perry,
Dawson W. Hedges, Brent L. Nielsen,
Julianne Holt-Lunstad, Vaughn R.A. Call, &
Michael J. Larson
Brigham Young University
POSTER 2-51
THE INTERACTION BETWEEN DOPAMINE D2 RECEPTOR GENE, TELOMERE LENGTH, AND ERP INDICES OF PERFORMANCE MONITORING IN COMMUNITY-DWELLING OLDER ADULTS
Michael J. Larson, Cynthia E. Perry, Dawson W. Hedges, Brent L. Nielsen, Julianne Holt-Lunstad, & Vaughn R.A. Call
Brigham Young University

POSTER 2-52
HOW DEPENDABLE ARE ELECTROPHYSIOLOGICAL INDICES OF PERFORMANCE MONITORING (ERN, PE) IN A CLINICAL SAMPLE? A GENERALIZABILITY AND DECISION THEORY ANALYSIS
Michael J. Larson¹, Peter E. Clayson², & Scott A. Baldwin¹
¹Brigham Young University, ²University of California, Los Angeles

POSTER 2-53
COGNITIVE CONTROL ACROSS THE LIFESPAN: AN INVESTIGATION OF THE ERN, N2, AND PE
Ann Clawson¹, Peter E. Clayson², & Michael J. Larson¹
¹Brigham Young University, ²University of California, Los Angeles

POSTER 2-54
THE INFLUENCE OF LOCUS OF CONTROL ON PERFORMANCE MONITORING EVENT-RELATED POTENTIALS
Kaylie A. Carbine¹, Tanja Endrass², & Michael J. Larson¹
¹Brigham Young University, ²University of Magdeburg

POSTER 2-55
THE ASSOCIATION BETWEEN ERROR-RELATED PERFORMANCE MONITORING, DEMOGRAPHICS, NEGATIVE AFFECT, AND BEHAVIOR: AN SEM ANALYSIS IN 792 INDIVIDUALS
Peter E. Clayson¹ & Michael J. Larson²
¹University of California, Los Angeles, ²Brigham Young University
**POSTER 2-56**
NEURAL CORRELATES OF ERRORLESS AND ERRORFUL LEARNING IN MODERATE-TO-SEVERE TBI: ERN AND PE AMPLITUDES
Daniel K. Bjornt1, Joseph E. Fair1, Spencer W. Liebel2, Kyle R. Hill1, & Michael J. Larson1
1Brigham Young University, 2University of Georgia

**POSTER 2-57**
SINGLE-TRIAL P3 PREDICTS MAGNITUDE OF CARDIAC FEAR RESPONSE
Christian Panitz, Christiane Hermann, & Erik M. Mueller
Justus-Liebig University Gießen

**POSTER 2-58**
EXECUTIVE CONTROL OF ACTIONS EXAMINED WITH BRAIN POTENTIALS
Heike Elchlepp1, Christopher D. Chambers2, Aureliu Lavric1, & Frederick Verbruggen1
1University of Exeter, 2Cardiff University

**POSTER 2-59**
THE FUNCTIONAL NEURO-ANATOMY OF TASK-SET SWITCHING AND PREPARATION: AN FMRI META-ANALYSIS
Tobias Stevens, Stephen Monsell, & Aureliu Lavric
University of Exeter

**POSTER 2-60**
TODDLER SHYNESS AND CORTISOL REACTIVITY PREDICT MATERNAL EMOTION SOCIALIZATION AT 5 YEARS
Lauren E. Philbrook & Kristin A. Buss
The Pennsylvania State University

**POSTER 2-61**
LONGITUDINAL RELATIONS BETWEEN EXUBERANT TEMPERAMENT AND ACADEMIC FUNCTIONING: THE ROLE OF RSA REACTIVITY
Santiago Morales, Lauren E. Philbrook, Lindsey B. Younkins, & Kristin A. Buss
The Pennsylvania State University
POSTER 2-62
DYSREGULATED FEAR PREDICTS DIFFERENTIAL RELATIONS BETWEEN CORTISOL ACTIVATION AND INTERNALIZING SYMPTOMS
Xiaoxue Fu & Kristin A. Buss
The Pennsylvania State University

POSTER 2-63
CONVERGENT VALIDITY OF THE ERN ACROSS GO/NOGO AND FLANKER TASKS: METHODOLOGICAL ISSUES
Pablo Ribes, Roser Poy, Pilar Segarra, Alicia Fonfría, Àngels Esteller, Carlos Ventura, & Javier Moltó
Jaume I University of Castellón

POSTER 2-64
FACIAL RESPONSES TO CULTURAL NORM VIOLATIONS: A VIGNETTE APPROACH TO PROBE FOR CHANGES IN ETHNOCULTURAL EMPATHY
Arvid Kappas¹, Eva Krumhuber², & Elena Tsankova¹
¹Jacobs University Bremen, ²University College London

POSTER 2-65
I FEEL WHEN IT FEELS: PHYSIOLOGICAL RESPONSES ELICITED BY HUMAN AND ARTIFICIAL ENTITY STIMULI
Christina A. Basedow & Arvid Kappas
Jacobs University Bremen

POSTER 2-66
VAGAL CONTROL, LIFE STRESS, AND NEGATIVE AFFECT: MEN AMPLIFY AND RESTING CARDIAC VAGAL CONTROL WITH LIFE STRESS
John R. Vanuk, Dave A. Sbarra, & John J.B. Allen
University of Arizona

POSTER 2-67
ERRING BEFORE AND AFTER WORRYING: THE EFFECTS OF WORRY INDUCTION ON ERN AMPLITUDE
Laura Zambrano-Vazquez, Jeremiah K. Morrow, & John J.B. Allen
University of Arizona
**POSTER 2-68**

EFFECT OF A UNILATERAL MASSAGE ON FRONTAL EEG AND POSITIVE / NEGATIVE AFFECT–A PILOT STUDY

Clemens H.W. Janssen¹, Kay-Uwe Hanusch², & John J.B. Allen¹

¹University of Arizona, ²University of Applied Sciences, Hochschule Fresenius

**POSTER 2-69**

TRANSCRANIAL ULTRASOUND (TUS) BRAIN STIMULATION AFFECTS MOOD IN HEALTHY HUMAN VOLUNTEERS WITH A PROTOTYPE ULTRASOUND DEVICE

J.L. Sanguinetti¹, Ezra E. Smith¹, William J. Tyler², Stuart Hameroff³, & John J.B. Allen¹

¹University of Arizona, ²Thync, Inc.

**POSTER 2-70**

IMPLICIT PREJUDICES: BRAIN ELECTRICAL ACTIVITY RESPONDS TO STEREOTYPE INCONGRUENCE

Michael R. Medrano, Ezra E. Smith, Marc Casillas, & John J.B. Allen

University of Arizona

**POSTER 2-71**

SINGLE-TRIAL AVERSIVE LEARNING WITH NEUTRAL FACES OR OBJECTS

Maria Carmen Pastor¹, Margaret M. Bradley², Maimu A. Rehbein³, Markus Junghöfer³, Nasryn El-Hinnawi², & Peter J. Lang²

¹Jaume I University of Castellón, ²University of Florida, ³University of Münster

**POSTER 2-72**

THE ROLE OF THE COMT VAL158MET POLYMORPHISM IN MEDIATING AVERSIVE LEARNING IN VISUAL CORTEX AND CONCURRENT HEART RATE RESPONDING

L. Forest Gruss & Andreas Keil

University of Florida
POSTER 2-73
CHARACTERIZING THE IN-VIVO NEUROPHYSIOLOGY OF VISUAL AVERSIVE CONDITIONING USING CONCURRENT EEG-FMRI RECORDINGS
Nathan M. Petro, L. Forest Gruss, Siyang Yin, Haiqing Huang, Mingzhou Ding, & Andreas Keil
University of Florida

POSTER 2-74
BRAIN REGIONS INVOLVED IN EMOTIONAL ANTICIPATION AND IMAGERY
Christopher T. Sege, Margaret M. Bradley, & Peter J. Lang
Center for the Study of Emotion & Attention, University of Florida

POSTER 2-75
ELECTRODERMAL NON-RESPONDERS SHOW NORMAL EMOTIONAL MODULATION OF THE PUPIL DURING PICTURE VIEWING
Robert R. Henderson, Margaret M. Bradley, & Peter J. Lang
University of Florida

POSTER 2-76
ATTENTIONAL MODULATION OF THE CONTRAST-RESPONSE FUNCTION IN HUMAN VISUAL CORTEX UNDER COMPETITION
Inkyung Song, Kana Maeji, & Andreas Keil
University of Florida

POSTER 2-77
COGNITIVE PROCESSES ASSOCIATED WITH NOVICES’ BEST MOTOR PERFORMANCES: AN ELECTROENCEPHALOGRAPHIC INVESTIGATION
Ford Dyke1, Maurice M. Godwin1, Paras Goel1, Jared Rehm1, Jeremy C. Rietschel2, Carly A. Hunt3, & Matthew W. Miller1
1Auburn University, 2Veterans’ Health Administration, 3University of Maryland

POSTER 2-78
NEGATIVE AROUSAL DECREASES THREAT SENSITIVITY
Jolie B. Wormwood1, Anna Neumann1, Spencer Lynn1, Lisa Feldman Barrett12, & Karen Quigley1
1Northeastern University, 2Harvard Medical School
**POSTER 2-79**  
**AFFEKTIVE REACTIVITY AS A STABLE INDIVIDUAL DIFFERENCE: A MULTI-METHOD APPROACH**  
Jolie B. Wormwood¹, Erika H. Siegel¹, Justin Kopec¹, Lauren Sears¹, Karen Quigley¹,², & Lisa Feldman Barrett¹,³  
¹Northeastern University, ²Edith Nourse Rogers Memorial (Bedford) VA Hospital, ³Harvard Medical School

**POSTER 2-80**  
**TIME-FREQUENCY ANALYSIS OF HEART RATE VARIABILITY AND THE “SHORT CIRCUITING” OF APPRAISALS**  
Douglas J. Angus, James A.J. Heathers, & Marc de Rosnay  
University of Sydney

**POSTER 2-81**  
**ALLOCATION OF ATTENTION RESOURCES INCREASES MAGNITUDE OF THE ATTENTIONAL BLINK**  
Laura Saad¹, Erik M. Benau², Laura C. DeLoretta¹, & Stephen T. Moelter¹  
¹University of the Sciences, ²University of Kansas

**POSTER 2-82**  
**RIGHT HEMISPHERE ACTIVITY ASSOCIATED WITH TIME PERCEPTION REVEALED BY CONTINGENT NEGATIVE VARIATION**  
Laura C. DeLoretta¹, Erik M. Benau², Laura Saad¹, & Stephen T. Moelter¹  
¹University of the Sciences, ²University of Kansas

**POSTER 2-83**  
**EXPOSURE TO SCENES OF CONSPECIFIC THREAT ACTIVATES DEFENSIVE RESPONSES IN HUMANS**  
Aline F. Bastos, André V. Santos, José M. Oliveira, Fátima S. Erthal, & Eliane Volchan  
Federal University of Rio de Janeiro
POSTER 2-84
REPORTS OF TONIC IMMOBILITY PREDICT HEART RATE ACCELERATION TO ACOUSTIC STIMULUS IN PTSD PATIENTS
Carlos Norte¹, Eliane Volchan¹, Jaime Vila², Ivan Figueira¹, & Gabriela Souza³
¹Federal University of Rio de Janeiro, ²University of Granada, ³Federal University of Ouro Preto

POSTER 2-85
ESTIMATING TOTAL PERIPHERAL RESISTANCE IN AFRICAN AMERICANS
LaBarron K. Hill¹, John J. Sollers III², Christopher L. Edwards¹, Julian F. Thayer³, & Keith E. Whitfield⁴
¹Duke University Medical Center, ²The University of Auckland, ³The Ohio State University, ⁴Duke University

POSTER 2-86
EMOTIONAL AND PHYSIOLOGICAL EFFECTS OF MUSIC ON RESPONSES TO IMAGES
Cassandra L. Baldwin, Kendra L. Miller, & Aurora Torres
The University of Alabama in Huntsville

POSTER 2-87
DIRECTNESS OF FOOD CUES ALTER TRAJECTORIES OF BIOLOGICAL IMPERATIVE RESPONSES
Rachel L. Bailey¹ & Annie Lang²
¹Washington State University, ²Indiana University

POSTER 2-88
PHYSIOLOGICAL AND PSYCHOLOGICAL REACTIVITY TO A PLACEBO VERSION OF THE TRIER SOCIAL STRESS TEST IN VIRTUAL REALITY
Qing Liu, Renlai Zhou, & Weigang Chen
Beijing Normal University

POSTER 2-89
INFLUENCES OF PERSONALITY AND STEREOTYPE THREAT/BOOST ON STRESS APPRAISAL, PHYSIOLOGICAL STRESS, AND PERFORMANCE ON A VERBAL REASONING TASK
Kelly L. Arnold, Mary A. Ford, Ursula Goldstein, & Aurora Torres
The University of Alabama in Huntsville
POSTER 2-90
EARLY MODULATION OF EVENT-RELATED POTENTIALS IN ASSOCIATIVELY-MEDIATED RESPONSE INHIBITION
Maisy Best, Heike Elchlepp, & Frederick Verbruggen
University of Exeter

POSTER 2-91
NEURAL RESPONSE TO REWARD ANTICIPATION IN THOSE WITH DEPRESSION WITH AND WITHOUT PANIC DISORDER
Stephanie M. Gorka, Ashley A. Huggins, Daniel A. Fitzgerald, Brady D. Nelson, K. Luan Phan, & Stewart A. Shankman
University of Illinois at Chicago
Poster Session III
Friday, September 12, 2014

6:00 p.m.–8:00 p.m.
Atrium Ballroom B

Poster Schedule

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8:00 p.m.–9:00 p.m. Dismantle Posters

POSTER 3-1
LOCATING FEAR POTENTIATED STARTLE WITHIN THE HIERARCHICAL INTERNALIZING SPECTRUM
Greg Perlman¹, Catherine R. Glenn², Roman Kotov¹, & Greg Hajcak Proudfit¹
¹Stony Brook University, ²Harvard University

POSTER 3-2
INTERACTIONS BETWEEN FLANKER TASK STIMULI AND STARTLE STIMULI
Elizabeth T. Comitz & Terry D. Blumenthal
Wake Forest University

POSTER 3-3
INTERACTIONS BETWEEN STARTLE STIMULI AND GO/NOGO STIMULI ON REACTION TIME, STARTLE REACTIVITY, AND COVERT ERROR RATE
Jessica R. Washington, Lisa M. Manderino, Monica S. Hegde, & Terry D. Blumenthal
Wake Forest University

POSTER 3-4
EFFECTS OF EMOTION REGULATION STRATEGY ON ATTENTIONAL DEPLOYMENT AND EMOTIONAL RESPONSE TO HIGH AND LOW INTENSITY EMOTIONAL PICTURES
Stacia Gessner, William Murphy, Morgan Erickson, Danielle Conforti, Ellen Gregory, Mark Poirier, & Joan McDowd
University of Missouri-Kansas City
POSTER 3-5
THE USE OF STARTLE EYEBLINK REFLEX LATENCY TO EXAMINE THE RELATIONSHIP BETWEEN COGNITIVE PROCESSING SPEED AND FATIGUE
Bryan D. Fox1, Jared M. Bruce1, Christopher T. Lovelace2, & Diane L. Filion1
1University of Missouri-Kansas City, 2Shepherd University

POSTER 3-6
CROSS-MODAL SUPPRESSION OF THE POSTAURICULAR REFLEX: PREPULSE INHIBITION OR ORIENTING?
Amy L. Underwood1, Fernando Valle-Inclan2, & Steven A. Hackley1
1University of Missouri, 2University of La Coruna

POSTER 3-7
IS ANY RESPONSE COMPLETELY AUTOMATIC?
Xi Ren1, Fernando Valle-Inclan2, & Steven A. Hackley1
1University of Missouri, 2University of La Coruna

POSTER 3-8
MEASURING EVOKED POTENTIALS TO PREPULSES IN A STARTLE MODIFICATION PARADIGM
Olga Rapoport1, Terry D. Blumenthal2, Hartmut Schächinger1, Angelika M. Dierolf3, & Ewald Naumann1
1University of Trier, 2Wake Forest University

POSTER 3-9
INCREASED COUPLING OF FREQUENCY BANDS DURING HYPNOSIS
Mareike J. Hülsemann, Wolfgang H.R. Miltner2, & Ewald Naumann1
1University of Trier, 2University of Jena

POSTER 3-10
STARTLE EYE-BLINK MODULATION BY FACIAL SELF-RESEMBLANCE AND CURRENT MOOD
Johannes B. Finke, Mauro F. Larra, Thomas M. Schilling, & Hartmut Schächinger
University of Trier
POSTER 3-11
BARO-AFFERENT FEEDBACK MODULATES MULTISENSORY INTEGRATION OF TACTILE AND AUDITORY STIMULI IN A CHALLENGING STARTLE AND REACTION TIME PARADIGM
Thomas M. Schilling, Daniel Best, Mauro F. Larra, & Hartmut Schächinger
University of Trier

POSTER 3-12
DISPARATE REACTIVITY PROFILES OF COGNITIVE AND PHYSIOLOGICAL STRESS TESTS
Daniel Best, Mauro F. Larra, Thomas M. Schilling, & Hartmut Schächinger
University of Trier

POSTER 3-13
ENHANCED NEUROENDOCRINE STRESS REACTIVITY BY A BILATERAL FEET COLD PRESSOR TEST
Mauro F. Larra, Thomas M. Schilling, & Hartmut Schächinger
University of Trier

POSTER 3-14
APPROACH MOTIVATION CAUSES “VIRTUAL” ALCOHOL MYOPIA: TRAIT APPROACH AND GREATER LEFT-FRONTAL ACTIVATION PREDICT ATTENTIONAL NARROWING
Nicole C. Mechin¹, Maggie Holland¹, Josh A. Hicks², & Philip A. Gable¹
¹The University of Alabama, ²Texas A&M University

POSTER 3-15
DEFICIENT LONG-RANGE COMMUNICATION DURING STROOP INTERFERENCE IN SCHIZOPHRENIA: MECHANISMS OF INTERFERENCE CONTROL AND THEIR DYSFUNCTION
Brigitte S. Rockstroh¹, Tzvetan G. Popov¹, Christian Wienbruch¹, Sarah Meissner¹, & Gregory A. Miller²
¹University of Konstanz, ²University of California, Los Angeles
POSTER 3-16
EEG FINDINGS OF REDUCED NEURAL SYNCHRONIZATION DURING VISUAL INTEGRATION IN SCHIZOPHRENIA
Jonathan K. Wynn¹,², Brian J. Roach³, Junghee Lee², William P. Horan¹,², Judith M. Ford³,⁴, Amy M. Jimenez¹, Katherine Weiner², Livon Ghermezi², & Michael F. Green¹,²
¹VA Greater Los Angeles Healthcare System, ²University of California, Los Angeles, ³Veterans Affairs San Francisco Medical Center, ⁴University of California, San Francisco

POSTER 3-17
THE NEUROPHYSIOLOGY OF BIOLOGICAL MOTION PERCEPTION IN SCHIZOPHRENIA
Carol Jahshan, Jonathan K. Wynn, Kristopher I. Mathis, & Michael F. Green
VA Greater Los Angeles Healthcare System and University of California, Los Angeles

POSTER 3-18
ALPHA BAND DYNAMICS IN SCHIZOPHRENIA DURING AN OCULAR MOTOR INHIBITION TASK
David A. Parker¹, Matthew E. Hudgens-Haney¹, William T. Oliver¹, Lauren K. Hayrynen¹, Justin B. Knight¹, Anastasia M. Bobilev¹, Sophie C. Arkin¹, Peter F. Buckley², Jennifer E. McDowell¹, & Brett A. Clementz¹
¹University of Georgia, ²Georgia Health Sciences University

POSTER 3-19
ENDOPHENOTYPES DISCRIMINATE PSYCHOSIS GROUPS BETTER THAN CLINICAL DIAGNOSES
Matthew E. Hudgens-Haney¹, Lauren E. Ethridge², Jennifer E. McDowell¹, John A. Sweeney², & Brett A. Clementz¹
¹University of Georgia, ²University of Texas Southwestern

POSTER 3-20
DIFFUSION TENSOR IMAGING REVEALS DIFFERENCES BETWEEN PEOPLE WITH SCHIZOPHRENIA AND HEALTHY INDIVIDUALS WITH LOW LEVELS OF COGNITIVE CONTROL
David J. Schaeffer, Amanda L. Rodrigue, Jordan E. Pierce, Brett A. Clementz, & Jennifer E. McDowell
University of Georgia
POSTER 3-21
ABERRANT LONG-RANGE NEURAL SYNCHRONIZATION IN SCHIZOPHRENIA
Lauren K. Hayrynen¹, Jordan P. Hamm²,
Lauren E. Ethridge³, Carol A. Tamminga³,
John A. Sweeney³, Godfrey D. Pearlson¹,
Matcheri S. Keshavan⁵, & Brett A. Clementz¹
¹University of Georgia, ²Columbia University, ³University of Texas Southwestern, ⁴Yale University, ⁵Wayne State University

POSTER 3-22
CORRELATIONS BETWEEN N1, P3, MMN, AND INTELLECT IN FIRST HOSPITALIZED SCHIZOPHRENIA
Justine M. Koehler, Timothy K. Murphy, Christiana D. Butera, & Dean F. Salisbury
Western Psychiatric Institute and Clinic

POSTER 3-23
N400, AMBIGUITY, AND STIMULUS ONSET ASYNCHRONY IN CHRONIC SCHIZOPHRENIA
Conor S. McCandless, Christiana D. Butera, Timothy K. Murphy, & Dean F. Salisbury
Western Psychiatric Institute and Clinic

POSTER 3-24
IMPAIRED USE OF STRONG DISAMBIGUATING CONTEXT IN SCHIZOPHRENIA
Samantha J. Lipko, Timothy K. Murphy, Christiana D. Butera, & Dean F. Salisbury
Western Psychiatric Institute and Clinic

POSTER 3-25
STIMULUS-SPECIFIC ADAPTATION IS NOT NECESSARY TO ELICIT MISMATCH NEGATIVITY: MMN TO A SINGLE REPETITIVE TONE
Dean F. Salisbury, Christiana D. Butera, & Timothy K. Murphy
Western Psychiatric Institute and Clinic

POSTER 3-26
IS PATTERN MMN IMPAIRED IN CHRONIC SCHIZOPHRENIA?
Timothy K. Murphy, Christiana D. Butera, & Dean F. Salisbury
Western Psychiatric Institute and Clinic
POSTER 3-27
THE IMPACT OF PSYCHOSOCIAL STRESS ON P50 AND N100 IN PATIENTS WITH SCHIZOPHRENIA AND HEALTHY CONTROLS
Emily M. Owens, Holly K. Hamilton,
Peter E. Clayson, Gretchen L. Sholty,
Kenneth L. Subotnik, Joseph Ventura,
Gregory A. Miller, Keith H. Nuechterlein, &
Cindy M. Yee
University of California, Los Angeles

POSTER 3-28
LATERALIZED MODULATION OF ALPHA OSCILLATIONS MAY INDICATE DYSFUNCTIONAL ATTENTION ALLOCATION/INFORMATION SAMPLING IN SCHIZOPHRENIA PATIENTS
Thomas Kustermann¹, Tzvetan G. Popov¹,
Johanna Kienle¹, Gregory A. Miller², &
Brigitte S. Rockstroh¹
¹University of Konstanz, ²University of California, Los Angeles

POSTER 3-29
WORKING MEMORY PERFORMANCE DURING THE N-BACK TASK IN SCHIZOPHRENIA: A VALIDATION STUDY OF THE N200 AS AN INDEX OF WORKING MEMORY
Lee J. Jasperse, Peter E. Clayson, Holly K. Hamilton,
Emily M. Owens, Peter Bachman,
Kenneth L. Subotnik, Joseph Ventura,
Keith H. Nuechterlein, & Cindy M. Yee
University of California, Los Angeles

POSTER 3-30
ARE EMOTION PROCESSING DEFICITS SPECIFIC TO SCHIZOPHRENIA? AN FMRI STUDY
Amri Sabharwal, Prerona Mukherjee, Akos Szekely,
Roman Kotov, & Aprajita Mohanty
Stony Brook University
POSTER 3-31
THE EFFICACY OF AUDITORY PROBES IN INDEXING COGNITIVE WORKLOAD IS DEPENDENT ON STIMULUS COMPLEXITY AND MAGNITUDE OF ATTENTIONAL ORIENTING
Ford Dyke¹, Amber Leiker¹, Kirk Grand¹, Maurice M. Godwin¹, Andrew G. Thompson¹, Jeremy C. Rietschel², Craig G. McDonald³, & Matthew W. Miller¹
¹Auburn University, ²Veteran’s Health Administration, ³George Mason University

POSTER 3-32
THE MEDIATING EFFECTS OF ANATOMY AND WHITE MATTER HYPERINTENSITIES ON COGNITION: A HEALTHY AGING STUDY
Mark A. Fletcher, Agnieszka Z. Burzynska, Kathy A. Low, Rachel Boyd, Benjamin Zimmerman, Chin Hong Tan, Nils Schneider-Garces, Andrew Freeman, Gabriele Gratton, & Monica Fabiani
University of Illinois at Urbana-Champaign

POSTER 3-33
MEASURING VASCULAR TONE IN THE BRAIN USING OPTICAL IMAGING DURING VOLUNTARY BREATH HOLDING
Chin Hong Tan, Kathy A. Low, Benjamin Zimmerman, Nils Schneider-Garces, Mark A. Fletcher, Edward L. Maclin, Gabriele Gratton, & Monica Fabiani
University of Illinois at Urbana-Champaign

POSTER 3-34
MEASURING VASCULAR TONE IN THE BRAIN USING OPTICAL IMAGING DURING A STERNBERG MEMORY TASK
Chin Hong Tan, Kathy A. Low, Nils Schneider-Garces, Mark A. Fletcher, Benjamin Zimmerman, Edward L. Maclin, Gabriele Gratton, & Monica Fabiani
University of Illinois at Urbana-Champaign

POSTER 3-35
PHONEME PROCESSING PATHWAYS IN INFANTS REVEALED BY FAST OPTICAL IMAGING
Kathy A. Low, Monica Fabiani, Daniel C. Hyde, Renee Baillargeon, Cynthia Fisher, & Gabriele Gratton
University of Illinois at Urbana-Champaign
POSTER 3-36
HOW DO SOCIALLY-RELEVANT STIMULI MODULATE EARLY AND LATE ERP COMPONENTS IN ADOLESCENTS?
Danielle diFilipo1,2, Alison Higgins2, Kevin Constante2, Elvira Kirilko2, Amy Medina1,2, & Jill Grose-Fifer1,2
1 Graduate Center, The City University of New York,
2 John Jay College, The City University of New York

POSTER 3-37
ANTICIPATION OF REWARDS IN ADOLESCENTS: AN ERP STUDY
Kevin Constante1, Tina M. Zottoli2, & Jill Grose-Fifer1
1 John Jay College, The City University of New York,
2 St. Joseph’s College, NY

POSTER 3-38
RESTING RSA PREDICTS STRESS-REACTIVE RUMINATION FOLLOWING INDUCED STRESS AMONG YOUNG ADOLESCENTS
Amy Mezulis, Sarah Crystal, & Josh Ahles
Seattle Pacific University

POSTER 3-39
HYPervigilance-AVOIDANCE IN CHILDREN WITH ANXIETY DISORDERS: NEURAL SOURCES IN THE RIGHT DLPFC AND LEFT OCC INTERACT DURING ABNORMAL THREAT-PROCESSING
Ida Wessing1, Georg Romer1, & Markus Junghöfer2
1 University Hospital Münster, 2 Institute for Biomagnetism and Biosignalanalysis

POSTER 3-40
CHILDHOOD TEMPERAMENT REFLECTED IN PARASYMPATHETIC ACTIVITY DURING STARTLE HABITUATION
Kuan-Hua Chen, Mark W. Chapleau, Nazan Aksan, Grazyna Kochanska, & Steven W. Anderson
University of Iowa

POSTER 3-41
ATTACHMENT STATUS AND PARASYMPATHETIC RESPONSES TO THE STRANGE SITUATION IN MOTHER-PRESCHOOLER DYADS
Caron A.C. Clark1, Elizabeth A. Skowron2, J.D. Smith3, & Susan S. Woodhouse4
1 University of Arizona, 2 University of Oregon, 3 Baylor University, 4 Lehigh University
POSTER 3-42
DELTA-BETA COUPLING IS ASSOCIATED WITH CONTEXTUAL THREAT LEVELS IN CHILDREN
Randi A. Phelps¹, Rebecca J. Brooker¹, & Kristin A. Buss²
¹Montana State University, ²The Pennsylvania State University

POSTER 3-43
AGE-RELATED CHANGES IN SPATIAL EEG SYNCHRONIZATION AND INTERREGIONAL RELATIONSHIPS OF CORTICAL POTENTIALS IN NORTHERN CHILDREN OF SCHOOL AGE (LONGITUDINAL STUDY)
Vladimir P. Rozhkov, Zhanna V. Nagornova, Natalia V. Shemyakina, & Svyatoslav I. Soroko
I.M. Sechenov Institute of Evolutionary Physiology and Biochemistry of Russian Academy of Sciences

POSTER 3-44
LONGITUDINAL EFFECTS OF PURPLE INTERVENTION ON PATERNAL NEURAL RESPONSES TO INFANT CRIES
Marilyn Horta, Erin Trifilio, Jennifer Mascaro, & James K. Rilling
Emory University

POSTER 3-45
LONGITUDINAL ASSOCIATIONS BETWEEN LABORATORY OBSERVATIONS OF TEMPERAMENT AND THE LATE POSITIVE POTENTIAL IN MIDDLE-LATE CHILDHOOD
Ellen M. Kessel, Autumn J. Kujawa, Greg Hajcak Proudfit, & Daniel N. Klein
Stony Brook University

POSTER 3-46
CHILDHOOD TRAUMA IS ASSOCIATED WITH EXAGGERATED NEURAL REACTIVITY TO CRITICISM
Thomas E. Kraynak¹, Amanda Collier¹, Wendy D’Andrea², Jill M. Hooley³, & Greg J. Siegle¹
¹University of Pittsburgh, School of Medicine, ²New School for Social Research, ³Harvard University
POSTER 3-47
BASELINE PEP, BASELINE RSA, AND RSA REACTIVITY TO INCENTIVES PROSPECTIVELY PREDICT LONGITUDINAL CHANGES IN INTERNALIZING AND EXTERNALIZING SYMPTOMS AMONG CHILDREN WITH CONDUCT DISORDER AND/OR DEPRESSION
Tiffany M. McNulty¹, Aimee R. Zisner¹, Alexis Howard¹, Lisa M. Gatzke-Kopp², & Theodore P. Beauchaine¹
¹The Ohio State University, ²The Pennsylvania State University

POSTER 3-48
MAINTENANCE OF SCHOLASTIC PERFORMANCE AND BRAIN FUNCTION DURING AND FOLLOWING AN ACUTE BOUT OF CYCLING IN 9- TO 10-YEAR-OLD CHILDREN
Eric S. Drollette, Christopher E. Komisarz, Mark R. Scudder, Lauren B. Raine, & Charles H. Hillman
University of Illinois at Urbana-Champaign

POSTER 3-49
RESPIRATORY SINUS ARRYTHMIA PREDICTS MENTAL HEALTH OUTCOMES IN AN EXPRESSIVE WRITING TASK
Therese V. Cash¹, Andrea Konig¹, Alison M. Eonta², & Scott R. Vrana¹
¹Virginia Commonwealth University, ²VA Pittsburgh Healthcare System

POSTER 3-50
ON THE INTERPLAY BETWEEN LEARNED AFFECTIVE IDENTITY AND EMOTIONAL EXPRESSION IN FACE PERCEPTION: ELECTROPHYSIOLOGICAL EVIDENCE FOR CONGRUENCY EFFECTS
Maimu A. Rehbein¹, Maria Carmen Pastor², Markus Junghöfer¹, Roser Poy², Raul L. Penadés², & Javier Moltó²
¹University of Münster, ²Jaume I University of Castellón

POSTER 3-51
AFFECTIONAL PERCEPTION UNDER SUSTAINED AND PHASIC FEAR
Isabelle Klinkenberg, Christian Steinberg, Maimu A. Rehbein, & Markus Junghöfer
Institute for Biomagnetism and Biosignalaralysis
POSTER 3-52
FEATURES OF ATTENTION DURING PERCEPTION OF A NECKER CUBE IN SUBJECTS WITH DIFFERENT ALPHA-RHYTHM TYPES
Nataliia V. Ievpak, Illya P. Kuznetsov, Al’ona P. Sokol, & Oksana S. Nesterova
Lesya Ukrainka Eastern European National University

POSTER 3-53
SKIN CONDUCTANCE RESPONSES DURING FEAR CONDITIONING IN CURRENT VS. PAST POSTTRAUMATIC STRESS DISORDER PATIENTS
Antonia N. Kaczkurkin¹, Philip C. Burton¹, Shai M. Chazin¹, Scott Sponheim², & Shmuel M. Lissek¹
¹University of Minnesota, ²Minneapolis VA

POSTER 3-54
UNCERTAINTY AS AN ANXIETY-RELATED STATE: NEGATIVITY BIAS AND INCREASED MOTIVATED ATTENTION AS INDICATED BY THE LATE POSITIVE POTENTIAL
Raoul Dieterich¹, Tanja Endrass², & Norbert Kathmann¹
¹Humboldt University, Berlin, ²University of Magdeburg

POSTER 3-55
EMOTION REGULATION ABNORMALITIES IN OBSESSIVE-COMPULSIVE DISORDER
Sandra Paul¹, Daniela Simon¹, Tanja Endrass¹,², & Norbert Kathmann¹
¹Humboldt University, Berlin, ²University of Magdeburg

POSTER 3-56
ENHANCED EMOTIONAL REGULATION AFTER PROVOCATION THROUGH STRESS-THE INFLUENCE OF ACUTE STRESS AND PROVOCATION ON AFFECTIVE PICTURE PROCESSING: AN EVENT-RELATED POTENTIAL STUDY
Angelika M. Dierolf¹, Julia Fechtner², Olga Rapoport¹, Mareike J. Hülsemann¹, & Ewald Naumann¹
¹University of Trier, ²Medical Center Möhnesee
POSTER 3-57
RESTING HEART RATE VARIABILITY PREDICTS DISCRIMINATION BETWEEN TRUE AND FALSE MEMORIES
DeWayne P. Williams, Lassiter F. Speller, Brandon Gillie, Nicole Feeling, Alexander J. Everhart, Julian Koenig, & Julian F. Thayer
The Ohio State University

POSTER 3-58
THE RELATIONSHIP BETWEEN HEART RATE VARIABILITY AND PERCEPTIONS OF EMOTIONAL CONTROL
Cameron Rankin, Anthony D. Bernardi, Brandon Upchurch, Claudia Cash, Julian Koenig, DeWayne P. Williams, & Julian F. Thayer
The Ohio State University

POSTER 3-59
EVENT-RELATED RESPONSE IN SKIN CONDUCTANCE TO SIX MUSICAL EMOTIONS – A REPLICATION STUDY
Ravi R. Bhatt¹, Julian Koenig¹, Friedrich-Wilhelm Wilker², Thomas K. Hillecke², & Julian F. Thayer¹
¹The Ohio State University, ²SRH University Heidelberg

POSTER 3-60
IT’S NOT THAT AROUSING: HIGHER PRESSURE AND LOWER AFFECT PERCEPTION IN WOMEN
Alicia F. Heim & J. Richard Jennings
University of Pittsburgh

POSTER 3-61
INTRODUCING A SOFTWARE-BASED METHOD TO ASSESS AND MANIPULATE VISUAL ATTENTION: FEASIBILITY AND INITIAL VALIDATION
Lelia Samson¹ & Erick Janssen²
¹Nanyang Technological University, ²Indiana University

POSTER 3-62
VAGAL WITHDRAWAL MODERATES THE CHILDHOOD ADVERSITY BMI LINK
David S. Curtis & Thomas Fuller-Rowell
Auburn University
POSTER 3-63
THE EFFECT OF MUSICAL INTENSITY AND COMPLEXITY ON LISTENER ATTENTION AND AROUSAL
Edgar Jamison-Koenig & Robert F. Potter
Indiana University

POSTER 3-64
EVALUATION OF EMOTIONAL RESPONSES TO SOUND BY A COMBINATION OF AAE AND COMFORT VECTOR MODELS
Xi Chen, Isao Takahashi, Yoshimitsu Okita, Hisashi Hirata, & Toshifumi Sugiura
Shizuoka University

POSTER 3-65
UNPLEASANT GUSTATORY STIMULI SPEED UP SOUND PROCESSING IN THE BRAIN
Toshifumi Sugiura, Naotaka Hasebe, Chen Xi, Isao Takahashi, Yoko Mizutani, & Hisashi Hirata
Shizuoka University

POSTER 3-66
A NEUROCOGNITIVE STUDY OF LAUGHTER USING A CROSS-MODAL EMOTION PRIMING PARADIGM
Richard T. Amoss¹ & Gwen A. Frishkoff²
¹Emory University, ²Georgia State University

POSTER 3-67
FAMILIARITY AND EMBODIED MODALITY INFLUENCE ERP MEASURES OF METAPHOR PROCESSING
Victoria A. Kazmerski, Dawn G. Blasko, Robert Fogle, Erica Edwards, Christie Leslie, & Alicia McAllister
Pennsylvania State University Erie, The Behrend College

POSTER 3-68
N170 WORD EFFECT RELATED TO INDIVIDUAL DIFFERENCES IN READING SKILL
Ben B. Rickles, Lindsay H. Harris, & Charles A. Perfetti
University of Pittsburgh
POSTER 3-69
ERP ANALYSES OF TASK EFFECTS ON SEMANTIC PROCESSING FROM WORDS AND SENTENCES IN SUBJECTS WITH AND WITHOUT AUDITORY PROCESSING DISORDERS
Carla Matos Silva¹, Isabel Barahona Fonseca², & Maria Armanda Costa²
¹Instituto Politécnico de Coimbra, ESTeSC – Coimbra Health School, ²FPUL/CLUL

POSTER 3-70
PEOPLE MATTER: PERCEIVED SENDER IDENTITY AMPLIFIES VISUAL PROCESSING OF SOCIO-EMOTIONAL LANGUAGE FEEDBACK
Sebastian Schindler & Johanna Kissler
Center of Excellence Cognitive Interaction Technology (CITEC), University of Bielefeld

POSTER 3-71
EFFECTS OF SOCIAL DISTANCE AND EMPATHY ON FRN AND FP300 DURING VICARIOUS NON-CONTINGENT FEEDBACK PROCESSING
Erwin R. Villuendas-González¹, Fabiola R. Gómez-Velázquez², & Andrés A. González-Garrido²
¹Universidad Michoacana de San Nicolas de Hidalgo, ²University of Guadalajara

POSTER 3-72
EARLY LIFE STRESS, PRO-INFLAMMATORY CYTOKINES, AND DEPRESSION: PRELIMINARY EVIDENCE FOR A GENE X ENVIRONMENT MODEL OF RISK
Anastacia Y. Kudinova¹, Cara Hueston¹, Terrence Deak¹, John E. McGeary², Valerie S. Knopik³, Rohan H.C. Palmer³, & Brandon E. Gibb¹
¹Binghamton University, The State University of New York, ²Providence Veterans Affairs Medical Center, Brown University, ³Rhode Island Hospital and Department of Psychiatry and Human Behavior, Brown University
POSTER 3-73
FEAR AND VIOLENCE UNIQUELY INFLUENCE TOP-DOWN AND BOTTOM-UP COMPONENTS OF FACIAL PROCESSING
Laura Stockdale, Robert G. Morrison, Robert Palumbo, Matthew Kmiecik, James Garbarino, & Rebecca L. Silton
Loyola University Chicago

POSTER 3-74
WHAT’S IN A NUMBER: THE EFFECTS OF MAGNITUDE AND RISK WHEN MAKING A DECISION
Anna Slavina & Robert West
Iowa State University

POSTER 3-75
ORIENTATION-DEPENDENT FIGURE-GROUND SEGREGATION IN HUMAN PRIMARY VISUAL CORTEX: AN EVENT-RELATED POTENTIAL STUDY
Jian Chen & Shimin Fu
Tsinghua University

POSTER 3-76
RELATIONSHIPS AMONG EDUCATION, COPING AND BLOOD PRESSURE IN ADULT AFRICAN AMERICANS
LaBarron K. Hill1, Deleon L. Gray2, Adrienne T. Aiken-Morgan3, Christopher L. Edwards1, & Keith E. Whitfield3
1Duke University Medical Center, 2North Carolina State University, 3Duke University

POSTER 3-77
ERP TO SIMULTANEOUSLY REPRESENTED COGNITIVE AND EMOTIONAL STIMULI
Elena P. Krutenkova, Elena A. Esipenko, & Marina Yu Khodanovich
Tomsk State University
POSTER 3-78
AUDIOVISUAL FACILITATION IS MAINTAINED UNDER DEGRADED VISUAL STIMULATION DURING THE PERCEPTION OF DYNAMIC EMOTION EXPRESSIONS
Jenny Kokinous¹, Alessandro Tavano¹, Sonja A. Kotz²,³, & Erich Schröger¹
¹University of Leipzig, ²Max Planck Institute for Human Cognitive and Brain Sciences, ³University of Manchester

POSTER 3-79
INHIBITION-INDUCED PLASTICITY AND ITS MODULATION IN TINNITUS PATIENTS
Alwina Stein, Alva Engell, Robert Wunderlich, Pia Lau, Andreas Wollbrink, Markus Junghöfer, & Christo Pantev
Institute for Biomagnetism and Biosignalanalysis

POSTER 3-80
BLUNTED CARDIOVASCULAR AND ELECTRODERMAL REACTIVITY TO EMOTIONALLY EVOCATIVE STIMULI IN MAJOR DEPRESSIVE DISORDER
Alvin B. Jin¹, Lindsey H. Steding¹, & Andrea K. Webb²
¹University of South Florida, ²Draper Laboratory

POSTER 3-81
CREATIVITY AND SENSORY GATING INDEXED BY THE P50: SELECTIVE VERSUS LEAKY ATTENTION IN DIVERGENT THINKERS AND CREATIVE ACHIEVERS
Darya Zabelina, Daniel O’Leary, Narun Pornpattananangkul, Robin Nusslock, & Mark Beeman
Northwestern University

POSTER 3-82
INDIVIDUAL DIFFERENCES IN REWARD SENSITIVITY INFLUENCE THE RECRUITMENT OF COGNITIVE MECHANISMS
Allan J. Heritage, Geoffrey F. Woodman, & David H. Zald
Vanderbilt University
POSTER 3-83
WHEN NEUTRAL TURNS SIGNIFICANT:
ELECTROPHYSIOLOGICAL PROCESSING OF
NEUTRAL OBJECTS PREVIOUSLY PAIRED WITH
EMOTIONAL CONTEXTS
Carlos Ventura-Bort¹, Andreas Löw², Rosario Poy¹,
Javier Moltó¹, Alfons O. Hamm², &
Mathias Weymar²
¹Jaume I University of Castellón, ²University of
Greifswald

POSTER 3-84
ERROR DETECTION AND RESPONSE
CORRECTION: NEURAL CORRELATES OF
CORRECTIVE ACTION WITHIN A CURSOR-
TRACKING PARADIGM
Emily C. Cunningham, Jamie C. Klein, &
Paul D. Kieffaber
College of William and Mary

POSTER 3-85
EVALUATION OF SKIN CONDUCTANCE AT
RECOMMENDED AND ALTERNATE ANATOMICAL
RECORDING SITES
Andrew F.H. Payne¹, Michael E. Dawson¹, &
Anne M. Schell²
¹University of Southern California, ²Occidental College

POSTER 3-86
CORRELATION OF EARLY AND LATE EMOTION-
MODULATED EVENT RELATED POTENTIALS
Timothy J. Wanger, David W. Frank, &
Dean Sabatinelli
University of Georgia

POSTER 3-87
ATTENTION TO FACES VS. SPIDERS IN AN
EYE-TRACKING STUDY
Elisa Berdica, Andrew J. White, Florian Bublatzky,
Antje B.M. Gerdes, & Georg W. Alpers
University of Mannheim
POSTER 3-88
SOCIAL-EMOTIONAL LEARNING WITH THE EEG SLOW CORTICAL POTENTIAL: DIFFERENTIAL EFFECTS OF RACIAL GROUP MEMBERSHIP AND EMOTIONAL VALENCE ON FRONTAL ASYMMETRIES
Luke R. Enge¹, David R. Herring², Amber K. Lupo¹, Michael A. Zarate¹, Hugo Sandoval³, Andrew Sands¹, & Stephen F. Sands¹
¹University of Texas – El Paso, ²University of Florida, ³Texas Tech

POSTER 3-89
MOTIVATIONAL ORIENTATION: MANIPULATION THROUGH FILMS OF AFFECTIVE EXPRESSION
Brett J. Grant, Alexa M. Tullett, & Philip A. Gable
University of Alabama

POSTER 3-90
RESPONSE MONITORING AND COGNITIVE CONTROL IN OBESITY
Ryan L. Olson, Kathryn del Prado, Lisa Qian, & Brandon L. Alderman
Rutgers University

POSTER 3-91
TEMPERAMENTAL BEHAVIORAL INHIBITION MODULATES N1 AND N2 TO EMOTION FACES
Thai Nhi & Perez-Edgar Koraly
The Pennsylvania State University
Poster Session IV
Saturday, September 13, 2014

7:00 p.m.–9:00 p.m.
Atrium Ballroom B

Poster 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

POSTER 4-1
VIRTUAL PENALTY KICKING AND EMOTIONAL REACTIONS
Ramona Baur1, Paul Pauli1, Markus Nehfischer1, Michael Stefan Jost1, Maximilian Schorb1, Nadja Becker1, Marcel Romanos1, Klaus-Peter Lesch1, Andreas Mühlberger2, & Annette Conzelmann1
1University of Würzburg, 2University of Regensburg

POSTER 4-2
SPATIAL ATTENTION TO THREAT IN SOCIAL ANXIETY—EVIDENCE FROM THE N2PC DURING VISUAL SEARCH
Matthias J. Wieser1, Anna-Christine Hambach1, & Mathias Weymar2
1University of Würzburg, 2University of Greifswald

POSTER 4-3
A SCENT OF ANXIETY: PROCESSING OF FACES IN A CONDITIONED Olfactory CONTEXT
Elena L.R. Flohr, Anna K. Kastner, Sarah Rimkus, Paul Pauli, & Matthias J. Wieser
University of Würzburg

POSTER 4-4
MODELING ANXIETY USING Olfactory CONTEXT CONDITIONING
Anna K. Kastner, Elena L.R. Flohr, Sarah Rimkus, Paul Pauli, & Matthias J. Wieser
University of Würzburg
POSTER 4-5
AVERSIVE VS. APPETITIVE CONDITIONING IN HUMANS
Marta Andreattta & Paul Pauli
University of Würzburg

POSTER 4-6
IMPAIRED VISUOCORTICAL DISCRIMINATION LEARNING OF SOCIALLY CONDITIONED STIMULI IN SOCIAL ANXIETY
Lea M. Ahrens¹, Andreas Mühlberger², Paul Pauli¹, & Matthias J. Wieser¹
¹University of Würzburg, ²University of Regensburg

POSTER 4-7
NEURAL AND PSYCHOPHYSIOLOGICAL SUBSTRATES OF FEAR LEARNING
Annmarie MacNamara¹, Daniel A. Fitzgerald¹,², Stewart A. Shankman¹, Mohammed R. Milad³, & K. Luan Phan¹,²
¹University of Illinois at Chicago, ²Mental Health Service Line, Jesse Brown Veterans Administration Medical Center, ³Harvard University and Massachusetts General Hospital

POSTER 4-8
PAVLOVIAN CONDITIONING AND THE KONIOCELLULAR PATHWAY USING STEADY-STATE VISUAL EVOKED POTENTIALS
Nathan M. Petro & Andreas Keil
University of Florida

POSTER 4-9
PERSISTENT FEAR CONDITIONED TO MALE (BUT NOT FEMALE) OTHER-AGE SOCIAL OUT-GROUP FACES
Ottmar V. Lipp¹, Hayley M. Thomason², Camilla C. Luck¹, & Kimberley M. Mallan³
¹Curtin University, ²University of Queensland, ³Queensland University of Technology

POSTER 4-10
INSTRUCTED EXTINCTION AFFECTS PHYSIOLOGICAL BUT NOT VERBAL INDICES OF HUMAN FEAR LEARNING
Camilla C. Luck, & Ottmar V. Lipp
Curtin University
POSTER 4-11
COMPONENTS OF STIMULUS-PRECEDING NEGATIVITY PRIOR TO FACIAL, VERBAL, AND SYMBOLIC STIMULI
Yoshimi Ohgami¹, Yasunori Kotani¹, Jun-ichiro Arai², Shigeru Kiryu³, & Yusuke Inoue⁴
¹Tokyo Institute of Technology, ²Daikin Industries, ³The University of Tokyo, ⁴Kitasato University

POSTER 4-12
fMRI CONSTRAINED SOURCE ANALYSIS ON STIMULUS-PRECEDING NEGATIVITY
Yasunori Kotani¹, Yoshimi Ohgami¹, Jun-ichiro Arai², Shigeru Kiryu³, & Yusuke Inoue⁴
¹Tokyo Institute of Technology, ²Daikin Industries, ³The University of Tokyo, ⁴Kitasato University

POSTER 4-13
MATERNAL ANXIETY AND NEURAL RESPONSES TO INFANT FACES
Helena J.V. Rutherford, Sabrina M. Malak, Michael J. Crowley, & Linda C. Mayes
Yale University

POSTER 4-14
INVESTIGATING THE IMPACT OF DEMOGRAPHIC FACTORS ON THE MATERNAL NEURAL RESPONSE TO INFANT CUES
Angela N. Maupin¹, Helena J.V. Rutherford¹, Nicole Landi², Marc N. Potenza¹, & Linda C. Mayes¹
¹Yale University, ²University of Connecticut and Haskins Laboratories

POSTER 4-15
INDIVIDUAL DIFFERENCES IN THE BEHAVIORAL INHIBITION SYSTEM AND RESTING ALPHA ASYMMETRY PREDICT BEHAVIORAL INTENTIONS TO ADHERE AFTER VIEWING A DISADVANTAGE-FRAMED HEALTH MESSAGE
Katie A. Lehockey, Kelly D. Bickel, Eric M. Watson, Alexandra J. Stephenson, Jonathan M. Highsmith, & Daniel E. Everhart
East Carolina University
POSTER 4-16
BEHAVIORAL INHIBITION AND FRONTAL ALPHA ACTIVITY ARE ASSOCIATED WITH ADHERENCE TO CONTINUOUS POSITIVE AIRWAY PRESSURE IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA
Daniel E. Everhart¹, Eric M. Watson¹, James P. Loveless¹, Lisa Hardin², Sharon Johnson-Cowan², Kelly D. Bickel¹, Alexandra J. Stephenson¹, Katie A. Lehockey¹, & Jonathan M. Highsmith¹
¹East Carolina University, ²Vidant Medical Center

POSTER 4-17
CONCEPTUALIZATION OF ANGER, HOSTILITY, AND AGGRESSION WITHIN THE REINFORCEMENT SENSITIVITY THEORY FRAMEWORK
Eric M. Watson, Kelly D. Bickel, Daniel E. Everhart, Katie A. Lehockey, & Jonathan M. Highsmith
East Carolina University

POSTER 4-18
BRAINPRINT: ASSESSING BIOMETRIC UNIQUENESS OF EEG WITH MACHINE LEARNING
Maria V. Ruiz-Blondet, Negin Khalifian, Corey Greenwald, Kenneth Kurtz, & Zhanpeng Jin
Binghamton University, The State University of New York

POSTER 4-19
PREDICTING INDIVIDUAL SCHOLASTIC READING PERFORMANCE WITH EVENT-RELATED POTENTIALS: RESULTS OF YEAR TWO OF THE BINGHAMTON READING BRAIN PROJECT
Negin Khalifian, & Sarah Laszlo
Binghamton University, The State University of New York

POSTER 4-20
CORTICAL RESOURCE ALLOCATION IN GOOD VS. POOR READERS: AN EVENT-RELATED POTENTIAL STUDY
Elizabeth Sacchi & Sarah Laszlo
Binghamton University, The State University of New York
POSTER 4-21
WHAT'S UPS: AN EVENT-RELATED POTENTIAL STUDY OF PHONOLOGICAL AMBIGUITY RESOLUTION
Stephanie M. Bhamdeo & Sarah Laszlo
Binghamton University, The State University of New York

POSTER 4-22
AN EVENT-RELATED POTENTIALS STUDY OF VERB CONSTRUCTION MISMATCHES IN ENGLISH AND SPANISH
G. Taylor Brooks & Gwen A. Frishkoff
Georgia State University

POSTER 4-23
TEMPORAL DYNAMICS OF SENTENCE-LEVEL SEMANTIC INTEGRATION IN RIGHT INSULA, LEFT MIDDLE TEMPORAL GYRUS, AND LEFT ANGULAR GYRUS
Jennifer Ciarochi1, Gwen A. Frishkoff2, Jessica Turner1, & Katherine Revill2
1Georgia State University, 2Emory University

POSTER 4-24
EVENT-RELATED POTENTIAL (ERP) INDICES OF PARTIAL WORD KNOWLEDGE IN LATE CHILDHOOD
Leslie Hodges1, Gwen A. Frishkoff1, Tiffany Lester1, Charles A. Perfetti2, & Chris Westbury3
1Georgia State University, 2University of Pittsburgh, 3University of Alberta

POSTER 4-25
META-ANALYSIS OF EVENT-RELATED POTENTIALS IN EPISODIC AND SEMANTIC MEMORY: A CROSS-LAB STUDY
Gwen A. Frishkoff1, Benjamin Rickles1, Robert M. Frank2, Christopher Bird3, Tim Curran1, Richard Mah4, John Connolly4, Stephanie Connell5, Kerry Kilborn5, & Charles A. Perfetti6
1Georgia State University, 2University of Oregon, 3University of Colorado, 4McMaster University, 5Glasgow University, 6University of Pittsburgh
POSTER 4-26
NEURAL MARKERS OF AFFECTIVE AND SEMANTIC PRIMING UNDER DIFFERENT TASK DEMANDS: AN EVENT-RELATED POTENTIALS (ERP) STUDY
Richard T. Amoss¹, James P. Duffy², & Gwen A. Frishkoff²
¹Emory University, ²Georgia State University

POSTER 4-27
ATTENTIONAL DEFICITS IN FIBROMYALGIA EVALUATED BY REACTION TIME, CEREBRAL BLOOD FLOW AND HEART RATE RESPONSES
Casandra Montoro-Aguilar¹, Cristina Muñoz Ladrón de Guevara¹, Maríα J. Fernández-Serrano¹, Stefan Duschek², & Gustavo A. Reyes del Paso¹
¹University of Jaén, Spain, ²UMIT, Hall, Austria

POSTER 4-28
HEART RATE AND SKIN CONDUCTANCE RESPONSES IN LOW VS. HIGH BODY-DISSATISFIED WOMEN EXPOSED TO THEIR OWN BODY IN A MIRROR
Fátima Servian-Franco, Silvia Moreno- Domínguez, & Gustavo A. Reyes del Paso
University of Jaén, Spain

POSTER 4-29
BENEFITS OF PHOTOGRAMMETRY ON SOURCE LOCALIZED EEG
Matthew A. Picchietti & David G. Gilbert
Southern Illinois University

POSTER 4-30
DEFICIENT EMOTIONAL PROCESSING IN COLLEGE MALES WITH HIGH LEVELS OF PSYCHOPATHIC TRAITS: AN EVENT-RELATED POTENTIAL STUDY
Amy Medina¹,², Kevin Constante³, Danielle diFilippo¹,², Elvira Kirilko², & Jill Grose-Fifer¹,²
¹The Graduate Center, The City University of New York, ²John Jay College, The City University of New York
POSTER 4-31
DEVELOPMENTAL P300S: RANK-STABILITY AND MATURATIONAL CHANGES OF INDEPENDENT BRAIN SOURCES
Scott J. Burwell, Stephen M. Malone, & William G. Iacono
University of Minnesota

POSTER 4-32
PSYCHOPATHY AND ERP RESPONSES IN THE CONTEXT OF EMOTIONAL PROCESSING AND VISUAL COMPLEXITY
Aisha Howard¹, Edelyn Verona¹, & Naomi Sadeh²
¹University of Illinois at Urbana-Champaign, ²VA Boston Healthcare System

POSTER 4-33
THE EFFECTS OF CAFFEINE INGESTION ON RIGHT HEMISPHERE ACTIVATION: EXAMINING CHANGES IN CARDIOVASCULAR REACTIVITY USING A DUAL CONCURRENT TASK PARADIGM
Sara E. Newton¹, Angela Steele¹, Jessica Bunting¹, Justin Wills¹, Brie Coleman¹, Alissa K. Holland¹, & David W. Harrison²
¹University of South Carolina Lancaster, ²Virginia Tech

POSTER 4-34
ADDITIONAL EVIDENCE FOR A DISTINCT PHYSIOLOGICAL RESPONSE OF MIXED EMOTIONAL STATES
Sylvia D. Kreibig, Andrea C. Samson, & James J. Gross
Stanford University

POSTER 4-35
PSYCHOPHYSIOLOGICAL QUANTIFICATION OF EMOTION REGULATION FLEXIBILITY: EXPERIENTIAL, EXPRESSIVE, AND PHYSIOLOGICAL EFFECTS OF REGULATING PURE AND MIXED EMOTIONS
Sylvia D. Kreibig, Andrea C. Samson, & James J. Gross
Stanford University
POSTER 4-36
SELF- AND SITUATION-FOCUSED REAPPRAISAL DIFFERENTIALLY MODULATE ELECTROCORTICAL RESPONSE TO NEGATIVE PICTURES
Emily C. Willroth & Matthew R. Hilimire
College of William and Mary

POSTER 4-37
RESPIRATORY SINUS ARRHYTHMIA AND DEPRESSION/ANXIETY: DIFFERING RELATIONSHIPS ACROSS EMOTIONAL STATES
Anita S. Hibbert & E. David Klonsky
University of British Columbia

POSTER 4-38
AUDITORY BUT NOT VISUAL ERP DISTINGUISH BILINGUALS FROM MONOLINGUALS ON A NON-LINGUISTIC GO/NOGO TASK
Juliana Acosta, Kevin Douglass, Nikita Doshi, Jaime Tartar, & Mercedes Fernandez
Nova Southeastern University

POSTER 4-39
BRAIN RESPONSES TO OTHER’S PAIN IN FIBROMYALGIA
Abraham Goldstein¹, Maor Zeev-Wolf², & Jacob N. Ablin²
¹Bar-Ilan University, ²Tel Aviv Sourasky Medical Center

POSTER 4-40
A FUNCTIONAL CEREBRAL SYSTEMS APPROACH TO EXAMINING TRAIT ANXIETY: THE INFLUENCE OF CAFFEINE INGESTION AND RIGHT-LATERALIZED COGNITIVE STRESS ON REGULATION OF PARASYMPATHETIC TONE
Alissa K. Holland¹, Angela Steele¹, Jessica Bunting¹, Sara E. Newton¹, Justin Wills¹, Brie Coleman¹, Michael Doster¹, & David W. Harrison²
¹University of South Carolina Lancaster, ²Virginia Tech

POSTER 4-41
EEG ABNORMALITIES IN PSYCHOPATH VIOLENT OFFENDERS
Ana Calzada-Reyes¹, Alfredo Alvarez², Mitchell Valdés², & Lidice Galán²
¹Institute of Legal Medicine, Cuba, ²Cuban Center of Neuroscience
POSTER 4-42
EFFECTS OF DEPRESSION, ANXIETY, COMORBIDITY AND ANTIDEPRESSANTS ON RESTING-STATE VAGALLY MEDIATED, CARDIAC FUNCTION: FINDINGS FROM THE ELSA-BRASIL COHORT
Andrew H. Kemp¹, Andre R. Brunoni¹, Itamar Santos¹, Maria A. Nunes², Eduardo Dantas³, Jose G. Mill⁴, Alexandre C. Pereira¹, Julian F. Thayer⁵, Isabela M. Bensenor¹, & Paulo A. Lotufo¹
¹University of Sao Paulo, ²Federal University of Rio Grande do Sul, ³Federal University of Vale do São Francisco, ⁴Federal University of Espírito Santo, ⁵The Ohio State University

POSTER 4-43
EMOTIONAL PROCESSING AND AGING: EVALUATING SOCIOEMOTIONAL SELECTIVITY THEORY USING THE LATE POSITIVE POTENTIAL
Jennifer M. DeCicco¹, Laura J. O'Toole², & Tracy A. Dennis²
¹Lafayette College, ²Hunter College, The City University of New York

POSTER 4-44
INDIVIDUAL DIFFERENCES IN RSA REACTIVITY RELATE TO EMOTION REGULATION STRATEGY USE IN CHILDHOOD
Laura E. Quiñones-Camacho, Emily W. Shih, Gina Valiente, & Elizabeth L. Davis
University of California, Riverside

POSTER 4-45
CHILDREN’S PHYSIOLOGICAL REACTIONS TO DISAPPOINTMENT: SOCIAL CONTEXT AND PARENTS’ EMOTION REGULATION RELATE TO RSA REACTIVITY
Emily W. Shih, Laura E. Quiñones-Camacho, Gina Valiente, & Elizabeth L. Davis
University of California, Riverside
POSTER 4-46
MENTAL HEALTH ON THE GO: AN ERP STUDY OF A GAMIFIED ATTENTION BIAS MODIFICATION MOBILE APPLICATION
Laura J. O’Toole¹, Samantha Berthod², Sarah Babkirk², Akeesha Simmons¹, Victor Ríos¹, Jean Quintero¹, & Tracy A. Dennis¹
¹Hunter College, The City University of New York, ²The Graduate Center, The City University of New York

POSTER 4-47
AN EVENT-RELATED POTENTIAL STUDY OF SOCIAL MEDIA USE AND EMOTIONAL PROCESSING
Sarah Babkirk¹, Amanda Rincon², Olga Gulyayeva², Patricia Pehme², Peter Luehring-Jones³, & Tracy A. Dennis¹,²
¹The Graduate Center, The City University of New York, ²Hunter College, The City University of New York, ³City College, The City University of New York

POSTER 4-48
FROM BRAIN TO BEHAVIOUR – INDUCING FRONTAL ASYMMETRY WITH VIRTUAL REALITY, PRELIMINARY RESULTS
Johannes Rodrigues & Johannes Hewig
University of Würzburg

POSTER 4-49
THE ROLE OF STRESS IN RISK FOR VASCULAR DYSFUNCTION
LaBarron K. Hill¹, Brenda Jamerson²,³, Adrienne T. Aiken-Morgan², Christopher L. Edwards¹, & Keith E. Whitfield²
¹Duke University Medical Center, ²Duke University, ³Durham VA Medical Center

POSTER 4-50
VISUAL ANALOG OF MMN ELICITED BY DURATION DEVIATIONS
Marina Yu Khodanovich, Elena P. Krutenkova, & Elena A. Esipenko
Tomsk State University
POSTER 4-51
EEG BRAIN ACTIVITY IN ALGEBRAIC, GEOMETRIC, AND NUMERICAL REASONING TASKS UNDER STATIC AND DYNAMIC POSTURAL CONTROL
Diana Henz¹, Wolfgang I. Schöllhorn¹, & Reinhard Oldenburg²
¹University of Mainz, ²University of Frankfurt

POSTER 4-52
OCULAR-MOTOR METHODS FOR DETECTING DECEPTION: DIRECT VERSUS INDIRECT INTERROGATION
Pooja Patnaik, John C. Kircher, Anne E. Cook, Doug J. Hacker, & Dan J. Woltz
University of Utah

POSTER 4-53
CARDIAC VAGAL TONE PREDICTS RESPONSIVITY TO SELF-REGULATORY THOUGHT INDUCTIONS
Katherine R. Thorson¹, Gabriele Oettingen¹², & Peter M. Gollwitzer¹³
¹New York University, ²University of Hamburg, ³University of Konstanz

POSTER 4-54
NEURAL BASIS OF PERSONALITY DESTRUCTIVENESS
Yuri G. Pavlov¹ & Kirill V. Zlokazov²
¹Ural Federal University, ²Ural Law Institute Ministry of Internal Affairs

POSTER 4-55
CONFLICT ACTS AS A COST IN IMPLICIT REINFORCEMENT LEARNING
James F. Cavanagh¹, Sean E. Masters², Kevin Bath², & Michael J. Frank²
¹University of New Mexico, ²Brown University

POSTER 4-56
PREDICTING REACTION-TIME FROM LATERIZED READINESS POTENTIALS (LRP’S), AND ACCURACY THROUGH P2 AMPLITUDE
Karen Carvajalino, Ejike R. Uzoije, & Tim Martin
Kennesaw State University
POSTER 4-57
OBJECTIVE ASSESSMENT OF COGNITIVE WORKLOAD AND ATTENTIONAL RESERVE IN PILOTS DURING VARYING DEGREES OF TASK DIFFICULTY AND MENTAL STRESS
Bradley D. Hatfield¹, Rodolphe J. Gentili¹, Kyle J. Jaquess¹, Li-Chuan Lo¹, Hyuk Oh¹, Jeremy C. Rietschel¹², & Ying Ying Tan¹
¹University of Maryland, College Park, ²Veteran’s Health Administration, Baltimore

POSTER 4-58
FREQUENCY CHANGES DURING CREATIVE VERBAL FLEXIBILITY TRAINING TASK
Natalia V. Shemyakina & Zhanna V. Nagornova
I.M. Sechenov Institute of Evolutionary Physiology and Biochemistry of the Russian Academy of Sciences

POSTER 4-59
IT’S NOT ALL ABOUT ME: THE EFFECTS OF AGENCY AND EXPECTANCY ON FEEDBACK PROCESSING
Robert West¹, Stephen Anderson¹, Anna Slavina¹, & Paul D. Kieffaber²
¹Iowa State University, ²College of William and Mary

POSTER 4-60
SHOULD I STAY OR SHOULD I GO? FRN AND P300 DIFFERENTIALLY REFLECT THE INTEGRATION OF ACTIVITY VERSUS PASSIVITY IN THE EVALUATION OF DECISION OUTCOMES
Roman Osinsky, Patrick Mussel, Julian Schwan, Natalie Silex, & Johannes Hewig
University of Würzburg

POSTER 4-61
GENDER DIFFERENCES ON INHIBITORY CONTROL DURING A REACTION TIME TASK: A EEG BRAIN MAPPING STUDY
Soraya L. Sá, Ana Garcia, Maria Clotilde H. Tavares, & Carlos Tomaz
University of Brasilia
POSTER 4-62
THE RELATIONSHIP BETWEEN STIMULUS-LOCKED LATERALIZED READINESS POTENTIAL FREQUENCY COMPONENTS AND THE USE OF WAVELETS
Tim Martin, Johanna Leskinen, & Shaun Wong
Kennesaw State University

POSTER 4-63
EEG FREQUENCY CHANGES DURING VERBAL AND VISUAL THINKING
Zhanna V. Nagornova & Natalia V. Shemyakina
I.M. Sechenov Institute of Evolutionary Physiology and Biochemistry of the Russian Academy of Sciences

POSTER 4-64
HARSH PARENTING AND BEHAVIORAL AND PEER MALADJUSTMENT: THE MODERATING ROLE OF PEP REACTIVITY
Kelly M. Tu¹, Stephen A. Erath¹, Ben Hinnant², & Mona El-Sheikh¹
¹Auburn University, ²Catholic University

POSTER 4-65
HIGHER-ORDER THALAMIC MODULATION IN HUMAN EMOTIONAL SCENE PERCEPTION
David W. Frank & Dean Sabatinelli
University of Georgia

POSTER 4-66
STARTLE POTENTIATION IN ANXIETY PATIENTS: DOES DISTRESS LOWER OUR DEFENSES?
David R. Herring, Margaret M. Bradley, Christopher T. Sege, Robert R. Henderson, Kristina Andrian, Marie-Claude Laplante, Cyd C. Strauss, Evelyn R. Sullivan, & Peter J. Lang
University of Florida

POSTER 4-67
RESPIRATORY SINUS ARRHYTHMIA PREDICTS EMOTIONAL EXPERIENCE WHILE RELIVING ANGER, HAPPINESS, AND SHAME
David K. Parkhurst, Cayla J. Duncan, Kaylee Rosenbusch, Dhanna Torres, Lori Hermosillo, Mallory Barker, Mary H. Burleson, & Nicole A. Roberts
Arizona State University
POSTER 4-68
NEURAL RESPONSES TO ERRORS IS INFLUENCED BY UNPREDICTABLE CONTEXTS
Emily M. Hale-Rude, Brittany C. Speed, Felicia L. Jackson, Brady D. Nelson, & Greg Hajcak Proudfit
Stony Brook University

POSTER 4-69
PREDICTING AUTONOMIC REACTIONS FROM BRAIN ACTIVITY DURING A STRESS INDUCTION
Hedwig Eisenbarth, Luke J. Chang, & Tor D. Wager
University of Colorado at Boulder

POSTER 4-70
HIGHER, FASTER, WORSE? ENHANCED EVENT-RELATED POTENTIALS DURING AFFECTIVE PICTURE PROCESSING IN MIGRAINE PATIENTS
Inga Steppacher, Diana Schlösser, & Johanna Kissler
University of Bielefeld

POSTER 4-71
NON-CONSCIOUS EMOTION INFLUENCES ON VISUAL STIMULI PREFERENCES: AN ERP AND BEHAVIOURAL STUDY
Isabel Fonseca, Margarida Cipriano, Ana Marques, Miguel Rodrigues, Nathalie Acurcio, & Daniela Marques
Faculty of Psychology, University of Lisbon

POSTER 4-72
UNRAVELLING THE CONSUMER BRAIN: THE ROLE OF EMOTION IN PURCHASE BEHAVIOR
Enrique Bello & Matthew R. Hilimire
College of William and Mary

POSTER 4-73
AMBULATORY EDA: COMPARISONS OF BILATERAL FOREARM AND CALF LOCATIONS
Szymon Fedor & Rosalind Picard
MIT Media Lab
POSTER 4-74
INTIMATE PARTNER VIOLENCE AND EMOTIONAL FACE RECOGNITION
Sara Invitto¹, Arianna Mignozzi¹, Marzia Quarta¹, Silvia Sammarco², Giuseppe Nicolardi¹, & Marina De Tommaso³
¹University of Salento, ²Istituto Santa Chiara, ³University of Bari

POSTER 4-75
ERP RESPONSE TO EMOTIONAL IMAGES FROM TV NEWS PROGRAMS DEPENDING ON EMOTIONAL BURNOUT
Sergii Tukaiev, Igor Zyma, Youri Havrylets, Sergii Sobishchanskyi, Mukola Makarchuk, & Rizun Rizun
National Taras Shevchenko University of Kyiv

POSTER 4-76
THE IMPACT OF REWARDS ON EMOTIONAL MIMICRY AND EMPATHIC ACCURACY
Ursula Hess & Christophe Blaison
Humboldt-University, Berlin

POSTER 4-77
BRAIN RESPONSES TO FOOD AND OTHER PLEASANT STIMULI IN OVERWEIGHT AND LEAN INDIVIDUALS
Francesco Versace, Danika D. Dirba, Troy R. Gilchrist, Kristin M. Cortese, Jennifer Ng, Aurelija Slapin, Kimberly N. Claiborne, Karen Basen-Engquist, & Susan M. Schembre
The University of Texas MD Anderson Cancer Center

POSTER 4-78
UNCERTAINTY IN PARTIAL REINFORCEMENT AND SPACED TRAINING FACILITATES EYEBLINK CONDITIONING IN ANXIETY VULNERABLE INDIVIDUALS
M. Todd Allen¹, Jacqueline L. Holloway², Catherine E. Myers², & Richard J. Servatius²
¹University of Northern Colorado, ²Rutgers University
POSTER 4-79
CARDIOVASCULAR RESPONSES TO STRESS REFLECT MOTIVATIONAL STATE IN ADULTS BORN AT EXTREMELY LOW BIRTH WEIGHT (ELBW)
Karen J. Mathewson1, Riikka Pyhälä2, Petteri Hovi3, Katri Räikkönen2, Louis A. Schmidt1, Ryan J. Van Lieshout1, Michael H. Boyle1, Saroj Saigal1, & Eero Kajantie3
1McMaster University, 2University of Finland, 3Helsinki University Central Hospital

POSTER 4-80
CONTROLLING NON-RELEVANT RESPONSE ACTIVATION: EMG AND TMS STUDIES
Laure Spieser, Laurence Casini, Thierry Hasbroucq, & Boris Burle
Aix-Marseille University CNRS

POSTER 4-81
TAKING THE PULSE OF PROLONGED EXPOSURE THERAPY: CHANGES IN TRAUMA-RELATED PHYSIOLOGICAL AROUSAL ACROSS THE COURSE OF PTSD TREATMENT
Bethany C. Wangelin & Peter W. Tuerc
Ralph H. Johnson VAMC

POSTER 4-82
RUMINATION IN MAJOR DEPRESSIVE DISORDER IS ASSOCIATED WITH IMPAIRMENTS IN ERP CORRELATES OF INHIBITORY COGNITIVE CONTROL
Brandon L. Alderman, Ryan L. Olson, Edward A. Selby, Marsha E. Bates, Jennifer F. Buckman, & Tracey J. Shors
Rutgers University

POSTER 4-83
THE EFFECT OF EXPOSURE THERAPY ON THE DEFENSIVE REACTIVITY OF PANIC DISORDERED PATIENTS
Jan Richter & Alfons O. Hamm
University of Greifswald
POSTER 4-84
CORTISOL AS A BIOMARKER FOR PSYCHOLOGICAL VULNERABILITY IN WOMEN WITH THE FMRI PREMUTATION
Jessica Klusek & Jane E Roberts
University of South Carolina

POSTER 4-85
RUMINATION PREDICTS DEPRESSED ADOLESCENTS’ PUPILLARY RESPONSE TO PEER ACCEPTANCE AND REJECTION
Lindsey B. Stone, Neil P. Jones, Jennifer S. Silk, & Greg J. Siegle
University of Pittsburgh School of Medicine

POSTER 4-86
NEUROPSYCHOPHYSIOLOGICAL MAPPING: CONCOMITANT PSYCHOPHYSIOLOGICAL RECORDING AND SUBMILLIMETER FUNCTIONAL MAGNETIC RESONANCE IMAGING (FMRI) AT 7T
Jennifer L. Robinson¹, Matthew W. Miller¹, Ron Beyers¹, Kirk Grand¹, Lauren A.J. Kirby¹, Alan Macy², & Ken Graap²
¹Auburn University, ²BIOPAC Systems, Inc.

POSTER 4-87
COMPARISON OF MOTION AND LUMINANCE ONSET AND OFFSET
Ivana Starcevic¹, Tim Martin¹, & Voyko Kavcic²
¹Kennesaw State University, ²Wayne State University

POSTER 4-88
COMPASSION (OR THE LACK OF IT) WHEN IT COMES TO WEIGHT: A FACIAL EMG STUDY
Eric J. Vanman¹, Kyah Johnstone¹, & Lenny R. Vartanian²
¹University of Queensland, ²University of New South Wales

POSTER 4-89
EVIDENCE FOR ENHANCED ATTENTIONAL ALLOCATION TOWARD SOCIAL INFORMATION FOLLOWING WITNESSED SOCIAL EXCLUSION: AN ERP STUDY
Jason R. Themanson, Kaitlin R. Dunn, & Roberto J. Romay
Illinois Wesleyan University
POSTER 4-90
HERE WE GO AGAIN: BULLYING HISTORY AND CARDIOVASCULAR RESPONSES TO SOCIAL EXCLUSION
   Matt Newman
   Arizona State University

POSTER 4-91
DUAL PROBE COMPLEX TRIAL PROTOCOL II: REVERSED PART ORDER FROM 2013
   Elena Labkovsky & J. Peter Rosenfeld
   Northwestern University
INDEX

A
Abbott, Maree.................. 65
Abelson, James L............ 69
Ablin, Jacob N............. 109
Abramson, Lyn Y........... 64
Acosta, Juliana............. 109
Acurcio, Nathalie........... 115
Adams, David L............ 68
Ahles, Josh.................. 91
Ahrens, Lea M.............. 103
Aiken-Morgan, Adrienne T. ...
........................................ 98, 111
Aksan, Nazan................ 91
Alderman, Brandon L........
........................................ 101, 117
Allen, John J.B............ 32, 41,
........................................ 46, 78, 79
Allen, M. Todd............. 116
Alpers, Georg W........... 100
Alvarez, Alfredo........... 109
Ames, Alyssa M............. 57
Amir, Nader................ 62
Amoss, Richard T........... 96, 107
Anderson, Charles W....... 53
Anderson, Stephen.......... 113
Anderson, Steven W........ 91
Andreatta, Marta........... 103
Andrion, Kristina........... 114
Angus, Douglas J........... 56, 81
Arai, Jun-ichiro........... 104
Arkin, Sophie C............ 87
Arnold, Kelly L............ 82
Aron, Adam R................ 34
Atchley, Ruth Ann......... 72
Aube, Vanessa.............. 68
Aubin, Sebrina............. 40
Averbeck, Bruno B......... 39
Baldwin, Scott A........... 76
Banich, Marie T........... 63
Banthin, David............ 57
Barker, Mallory............ 114
Barker, Tyson V............ 36
Barrett, Lisa Feldman..... 31,
........................................ 56, 69, 80, 81
Bartholow, Bruce D........ 35,
........................................ 67, 68
Baschnagel, Joseph S....... 68
Basedow, Christina A....... 78
Basen-Engquist, Karen.... 116
Bastos, Aline F........... 81
Bates, John E.............. 46
Bates, Marsha E........... 117
Bath, Kevin................. 112
Baur, Ramona.............. 102
Beasley, Zach.............. 68
Beauchaine, Theodore..... 32
Beauchaine, Theodore P....
........................................ 93
Becker, Nadja.............. 102
Beckes, Lane............... 33
Beekman, Charles........... 54
Beeman, Mark.............. 99
Belleau, Emily............. 35,
........................................ 46
Bello, Enrique............. 115
Benau, Erik M.............. 72,
........................................ 81
Bender, James D........... 66,
........................................ 69
Benning, Stephen D....... 51,
........................................ 52
Benson, Isabela M......... 110
Berdica, Elisa............. 100
Berg, Keith W.............. 41
Bernardi, Anthony D....... 95
Berntson, Gary G......... 26
Berthod, Samantha........ 111
Berumen-Salazar, José G....
........................................ 54
Best, Daniel.............. 86
Best, Maisy................. 83
Beyers, Ron................ 118
Bhamdeo, Stephanie M.....
........................................ 106
Bhatt, Ravi R.............. 95

B
Babkirk, Sarah............. 111
Bachman, Peter............. 89
Badali, Paul............... 71, 72
Bailey, Kira............... 57, 68
Bailey, Rachel L......... 82
Baillargeon, Renee........ 90
Baldwin, Cassandra L..... 82

INDEX
<table>
<thead>
<tr>
<th>Name</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bickel, Kelly D.</td>
<td>104, 105</td>
</tr>
<tr>
<td>Bird, Christopher</td>
<td>106</td>
</tr>
<tr>
<td>Bjornn, Daniel K.</td>
<td>77</td>
</tr>
<tr>
<td>Blair, Nicholas J.</td>
<td>57</td>
</tr>
<tr>
<td>Blaison, Christophe</td>
<td>116</td>
</tr>
<tr>
<td>Blasko, Dawn G.</td>
<td>96</td>
</tr>
<tr>
<td>Bloch, Lian</td>
<td>33</td>
</tr>
<tr>
<td>Blumenthal, Terry D.</td>
<td>40, 48, 84, 85</td>
</tr>
<tr>
<td>Bluntschli, John R.</td>
<td>50</td>
</tr>
<tr>
<td>Bobilev, Anastasia M.</td>
<td>87</td>
</tr>
<tr>
<td>Bornovalova, Marina A.</td>
<td>61</td>
</tr>
<tr>
<td>Bouslog, Allison F.</td>
<td>68</td>
</tr>
<tr>
<td>Bova, Kristine L.</td>
<td>55</td>
</tr>
<tr>
<td>Bowyer, Colin B.</td>
<td>70</td>
</tr>
<tr>
<td>Boyd, Rachel</td>
<td>90</td>
</tr>
<tr>
<td>Boyle, Michael H.</td>
<td>117</td>
</tr>
<tr>
<td>Bradford, Daniel E.</td>
<td>68</td>
</tr>
<tr>
<td>Bradley, Margaret M.</td>
<td>41, 79, 80, 114</td>
</tr>
<tr>
<td>Bramblett, Cassandra</td>
<td>28</td>
</tr>
<tr>
<td>Brenner, Colleen A.</td>
<td>74</td>
</tr>
<tr>
<td>Bresin, Konrad</td>
<td>42</td>
</tr>
<tr>
<td>Bress, Jennifer N.</td>
<td>62</td>
</tr>
<tr>
<td>Brislin, Sarah J.</td>
<td>70</td>
</tr>
<tr>
<td>Brooker, Rebecca J.</td>
<td>46, 92</td>
</tr>
<tr>
<td>Brooks, G. Taylor</td>
<td>106</td>
</tr>
<tr>
<td>Brooks, Gabriel</td>
<td>74</td>
</tr>
<tr>
<td>Browning, Lauren E.</td>
<td>68</td>
</tr>
<tr>
<td>Bruce, Jared M.</td>
<td>85</td>
</tr>
<tr>
<td>Brunoni, Andre R.</td>
<td>110</td>
</tr>
<tr>
<td>Bublatzky, Florian</td>
<td>100</td>
</tr>
<tr>
<td>Buckley, Peter F.</td>
<td>87</td>
</tr>
<tr>
<td>Buckman, Jennifer F.</td>
<td>117</td>
</tr>
<tr>
<td>Budd, Desiree</td>
<td>27</td>
</tr>
<tr>
<td>Bunting, Jessica</td>
<td>108, 109</td>
</tr>
<tr>
<td>Burdwood, Erin N.</td>
<td>62</td>
</tr>
<tr>
<td>Burkhouse, Katie L.</td>
<td>30, 31, 43</td>
</tr>
<tr>
<td>Burle, Boris</td>
<td>34, 117</td>
</tr>
<tr>
<td>Burleson, Mary H.</td>
<td>114</td>
</tr>
<tr>
<td>Burton, Philip C.</td>
<td>94</td>
</tr>
<tr>
<td>Burwell, Scott J.</td>
<td>108</td>
</tr>
<tr>
<td>Burzynska, Agnieszka Z.</td>
<td>90</td>
</tr>
<tr>
<td>Buss, Kristin A.</td>
<td>47, 54, 77, 78, 92</td>
</tr>
<tr>
<td>Butera, Christiana D.</td>
<td>88</td>
</tr>
<tr>
<td>Butler, Emily A.</td>
<td>33</td>
</tr>
<tr>
<td>Call, Vaughn R.A.</td>
<td>75, 76</td>
</tr>
<tr>
<td>Calzada-Reyes, Ana</td>
<td>109</td>
</tr>
<tr>
<td>Campbell, Kenneth</td>
<td>64</td>
</tr>
<tr>
<td>Campopiano, Allan S.</td>
<td>71</td>
</tr>
<tr>
<td>Campos, Luis R.</td>
<td>60</td>
</tr>
<tr>
<td>Canli, Turhan</td>
<td>61</td>
</tr>
<tr>
<td>Cannon, Molly</td>
<td>69</td>
</tr>
<tr>
<td>Capuana, Lesley J.</td>
<td>71</td>
</tr>
<tr>
<td>Carbone, Kaylie A.</td>
<td>51, 76</td>
</tr>
<tr>
<td>Carroll, Haley A.</td>
<td>72</td>
</tr>
<tr>
<td>Carvajalino, Karen</td>
<td>112</td>
</tr>
<tr>
<td>Casanova, Manuel F.</td>
<td>52, 53</td>
</tr>
<tr>
<td>Cash, Claudia</td>
<td>95</td>
</tr>
<tr>
<td>Cash, Therese V.</td>
<td>57, 93</td>
</tr>
<tr>
<td>Casillas, Marc</td>
<td>79</td>
</tr>
<tr>
<td>Casini, Laurence</td>
<td>117</td>
</tr>
<tr>
<td>Castelli, Darla M.</td>
<td>55</td>
</tr>
<tr>
<td>Cateo, Whitney L.</td>
<td>70</td>
</tr>
<tr>
<td>Cavanagh, James F.</td>
<td>39, 112</td>
</tr>
<tr>
<td>Cavanagh, Sarah R.</td>
<td>29, 30</td>
</tr>
<tr>
<td>Chambers, Christopher D.</td>
<td>77</td>
</tr>
<tr>
<td>Champi, Spyros Christos</td>
<td>69</td>
</tr>
<tr>
<td>Chang, Luke J.</td>
<td>115</td>
</tr>
<tr>
<td>Chang, Wen-Pin</td>
<td>53</td>
</tr>
<tr>
<td>Chapleau, Mark W.</td>
<td>91</td>
</tr>
<tr>
<td>Chavarria, Jesus</td>
<td>60</td>
</tr>
<tr>
<td>Chazin, Shai M.</td>
<td>94</td>
</tr>
<tr>
<td>Chen, Jian</td>
<td>98</td>
</tr>
<tr>
<td>Chen, Kuan-Hua</td>
<td>91</td>
</tr>
<tr>
<td>Chen, Weigang</td>
<td>82</td>
</tr>
<tr>
<td>Chen, Xi</td>
<td>96</td>
</tr>
<tr>
<td>Chien-Ting, Wu</td>
<td>55</td>
</tr>
<tr>
<td>Chowdhury, Khadeja</td>
<td>57</td>
</tr>
<tr>
<td>Ciarochi, Jennifer</td>
<td>106</td>
</tr>
<tr>
<td>Cimino, Cynthia R.</td>
<td>60</td>
</tr>
<tr>
<td>Cinciripini, Paul M.</td>
<td>69</td>
</tr>
<tr>
<td>Cipriano, Margarida</td>
<td>115</td>
</tr>
<tr>
<td>Claiborne, Kimberly N.</td>
<td>116</td>
</tr>
<tr>
<td>Clark, Caron A.C.</td>
<td>91</td>
</tr>
<tr>
<td>Name</td>
<td>Page Numbers</td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Clawson, Ann</td>
<td>76</td>
</tr>
<tr>
<td>Clayson, Peter E.</td>
<td>76, 89</td>
</tr>
<tr>
<td>Clementz, Brett</td>
<td>32</td>
</tr>
<tr>
<td>Clementz, Brett A.</td>
<td>39, 87, 88</td>
</tr>
<tr>
<td>Clifton, Kyle</td>
<td>50</td>
</tr>
<tr>
<td>Coan, James A.</td>
<td>33, 64</td>
</tr>
<tr>
<td>Coleman, Brie</td>
<td>108, 109</td>
</tr>
<tr>
<td>Collier, Amanda</td>
<td>92</td>
</tr>
<tr>
<td>Collins, Bradley N.</td>
<td>69</td>
</tr>
<tr>
<td>Comitz, Elizabeth T.</td>
<td>84</td>
</tr>
<tr>
<td>Compton, Rebecca J.</td>
<td>39</td>
</tr>
<tr>
<td>Conde, Erick F.Q.</td>
<td>75</td>
</tr>
<tr>
<td>Condon, Paul</td>
<td>69</td>
</tr>
<tr>
<td>Conforti, Danielle</td>
<td>84</td>
</tr>
<tr>
<td>Connell, Stephanie</td>
<td>106</td>
</tr>
<tr>
<td>Connolly, John</td>
<td>106</td>
</tr>
<tr>
<td>Constanze, Kevin</td>
<td>91, 107</td>
</tr>
<tr>
<td>Conway, Christopher M.</td>
<td>59, 60</td>
</tr>
<tr>
<td>Cook, Anne E.</td>
<td>112</td>
</tr>
<tr>
<td>Coppens, Ryan P.</td>
<td>66, 69</td>
</tr>
<tr>
<td>Corballis, Paul M.</td>
<td>52</td>
</tr>
<tr>
<td>Cornejo, Carlos</td>
<td>66</td>
</tr>
<tr>
<td>Cortese, Kristin M.</td>
<td>116</td>
</tr>
<tr>
<td>Corum, Margaret</td>
<td>57</td>
</tr>
<tr>
<td>Costa, Maria Armanda</td>
<td>97</td>
</tr>
<tr>
<td>Costa, Vincent D.</td>
<td>39</td>
</tr>
<tr>
<td>Crasta, Jewel</td>
<td>53</td>
</tr>
<tr>
<td>Crocker, Laura D.</td>
<td>45, 63</td>
</tr>
<tr>
<td>Crowell, Adrienne</td>
<td>56</td>
</tr>
<tr>
<td>Crowley, Michael J.</td>
<td>43, 104</td>
</tr>
<tr>
<td>Crystal, Sarah</td>
<td>91</td>
</tr>
<tr>
<td>Cunningham, Emily C.</td>
<td>100</td>
</tr>
<tr>
<td>Curham, Kyle J.</td>
<td>61</td>
</tr>
<tr>
<td>Curran, Tim...</td>
<td>106</td>
</tr>
<tr>
<td>Currey, Dorothy J.</td>
<td>75</td>
</tr>
<tr>
<td>Curtin, John J.</td>
<td>47, 68</td>
</tr>
<tr>
<td>Curtis, David S.</td>
<td>95</td>
</tr>
<tr>
<td>Cuthbert, Bruce N.</td>
<td>25, 69</td>
</tr>
</tbody>
</table>

**D**

<table>
<thead>
<tr>
<th>Name</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>D’Andrea, Wendy</td>
<td>58, 92</td>
</tr>
<tr>
<td>Daltrozzo, Jerome</td>
<td>59, 60</td>
</tr>
<tr>
<td>Dantas, Eduardo</td>
<td>110</td>
</tr>
<tr>
<td>David, Isabel P.A.</td>
<td>75</td>
</tr>
<tr>
<td>Davidson, Richard J.</td>
<td>46</td>
</tr>
<tr>
<td>Davies, Patricia L.</td>
<td>53</td>
</tr>
<tr>
<td>Davis, Charles P.</td>
<td>71</td>
</tr>
<tr>
<td>Davis, Elizabeth L.</td>
<td>46, 47, 110</td>
</tr>
<tr>
<td>Davis, Isabel A.</td>
<td>64</td>
</tr>
<tr>
<td>Dawson, Michael E.</td>
<td>100</td>
</tr>
<tr>
<td>de Dios, Constanza</td>
<td>61</td>
</tr>
<tr>
<td>de Guevara, Cristina Muñoz Ladrón</td>
<td>107</td>
</tr>
<tr>
<td>de Oliveira, Leticia</td>
<td>75</td>
</tr>
<tr>
<td>de Rosnay, Marc</td>
<td>81</td>
</tr>
<tr>
<td>De Tommaso, Marina</td>
<td>116</td>
</tr>
<tr>
<td>Deak, Terrence</td>
<td>97</td>
</tr>
<tr>
<td>del Paso, Gustavo A.</td>
<td>107</td>
</tr>
<tr>
<td>del Prado, Kathryn</td>
<td>101</td>
</tr>
<tr>
<td>Dell’Acqua, Roberto</td>
<td>74</td>
</tr>
<tr>
<td>DeLoreta, Laura C.</td>
<td>81</td>
</tr>
<tr>
<td>Dennis, Tracy A.</td>
<td>43, 110, 111</td>
</tr>
<tr>
<td>Deocampo, Joanne A.</td>
<td>59, 60</td>
</tr>
<tr>
<td>DePierro, Jonathan M.</td>
<td>58, 59</td>
</tr>
<tr>
<td>deRoon-Cassini, Terri</td>
<td>46</td>
</tr>
<tr>
<td>Diaz-Ferrando, Sandra</td>
<td>73</td>
</tr>
<tr>
<td>Dierolf, Angelika M.</td>
<td>85, 94</td>
</tr>
<tr>
<td>Dieterich, Raoul</td>
<td>94</td>
</tr>
<tr>
<td>diFilipo, Danielle</td>
<td>91, 107</td>
</tr>
<tr>
<td>Dillon, Daniel G.</td>
<td>42</td>
</tr>
<tr>
<td>Ding, Mingzhou</td>
<td>80</td>
</tr>
<tr>
<td>Dirba, Danika D.</td>
<td>116</td>
</tr>
<tr>
<td>Donchin, Emanuel</td>
<td>41</td>
</tr>
<tr>
<td>Donnelly, Michael</td>
<td>27</td>
</tr>
<tr>
<td>Doro, Mattia</td>
<td>74</td>
</tr>
<tr>
<td>Doshi, Nikita</td>
<td>109</td>
</tr>
<tr>
<td>Doster, Michael</td>
<td>109</td>
</tr>
<tr>
<td>Douglass, Kevin</td>
<td>109</td>
</tr>
<tr>
<td>Doukas, Ashley</td>
<td>58</td>
</tr>
<tr>
<td>Drisdelle, Brandi Lee</td>
<td>40, 52</td>
</tr>
<tr>
<td>Drislane, Laura D.</td>
<td>70</td>
</tr>
<tr>
<td>Drollette, Eric S.</td>
<td>54, 55, 93</td>
</tr>
<tr>
<td>Duarte, Audrey</td>
<td>50, 73, 74</td>
</tr>
<tr>
<td>Duell, Matt</td>
<td>68</td>
</tr>
<tr>
<td>Name</td>
<td>Page(s)</td>
</tr>
<tr>
<td>--------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Duffy, James P.</td>
<td>107</td>
</tr>
<tr>
<td>Duncan, Cayla J.</td>
<td>114</td>
</tr>
<tr>
<td>Dunn, Kaitlin R.</td>
<td>118</td>
</tr>
<tr>
<td>Duschek, Stefan</td>
<td>107</td>
</tr>
<tr>
<td>Duval, Elizabeth R.</td>
<td>69</td>
</tr>
<tr>
<td>Dyke, Ford</td>
<td>80, 90</td>
</tr>
<tr>
<td>Dywan, Jane</td>
<td>71</td>
</tr>
<tr>
<td>Dziedzic, Brandon</td>
<td>68</td>
</tr>
<tr>
<td>Dzyundzyak, Angela</td>
<td>71</td>
</tr>
<tr>
<td>Edelson, Stephen M.</td>
<td>52</td>
</tr>
<tr>
<td>Edwards, Christopher L.</td>
<td>51, 82, 98, 111</td>
</tr>
<tr>
<td>Edwards, Erica</td>
<td>96</td>
</tr>
<tr>
<td>Eghbalzad, Leyla</td>
<td>59</td>
</tr>
<tr>
<td>Eisenbarth, Hedwig</td>
<td>115</td>
</tr>
<tr>
<td>El-Baz, Ayman S.</td>
<td>53</td>
</tr>
<tr>
<td>Elchlepp, Heike</td>
<td>34, 77, 83</td>
</tr>
<tr>
<td>El-Hinnawi, Nasryn</td>
<td>79</td>
</tr>
<tr>
<td>El-Sheikh, Mona</td>
<td>114</td>
</tr>
<tr>
<td>Endrass, Tanja</td>
<td>51, 76, 94</td>
</tr>
<tr>
<td>Enge, Luke R.</td>
<td>101</td>
</tr>
<tr>
<td>Engelhardt, Christopher R.</td>
<td>67</td>
</tr>
<tr>
<td>Engell, Alva</td>
<td>99</td>
</tr>
<tr>
<td>Engelmann, Jeffrey M.</td>
<td>69</td>
</tr>
<tr>
<td>Eonta, Alison M.</td>
<td>93</td>
</tr>
<tr>
<td>Erath, Stephen A.</td>
<td>114</td>
</tr>
<tr>
<td>Erickson, Morgan</td>
<td>84</td>
</tr>
<tr>
<td>Erthal, Fátima S.</td>
<td>81</td>
</tr>
<tr>
<td>Esipenko, Elena A.</td>
<td>98, 111</td>
</tr>
<tr>
<td>Esteller, Àngels</td>
<td>64, 78</td>
</tr>
<tr>
<td>Ethridge, Lauren E.</td>
<td>87, 88</td>
</tr>
<tr>
<td>Everhart, Alexander J.</td>
<td>95</td>
</tr>
<tr>
<td>Everhart, Daniel E.</td>
<td>104, 105</td>
</tr>
<tr>
<td>Fabiani, Monica</td>
<td>90</td>
</tr>
<tr>
<td>Fair, Joseph E.</td>
<td>77</td>
</tr>
<tr>
<td>Faulkner, Zane</td>
<td>74</td>
</tr>
<tr>
<td>Fechtnner, Julia</td>
<td>94</td>
</tr>
<tr>
<td>Fedor, Szymon</td>
<td>115</td>
</tr>
<tr>
<td>Feeling, Nicole</td>
<td>95</td>
</tr>
<tr>
<td>Fehertoi, Nicholas</td>
<td>59</td>
</tr>
<tr>
<td>Feldhaus, Mari</td>
<td>39</td>
</tr>
<tr>
<td>Fennell, Alex</td>
<td>72</td>
</tr>
<tr>
<td>Fernández, M. Carmen</td>
<td>73</td>
</tr>
<tr>
<td>Fernandez, Mercedes</td>
<td>109</td>
</tr>
<tr>
<td>Fernandez, Nicolas G.</td>
<td>57</td>
</tr>
<tr>
<td>Fernández-Santaealla, M. Carmen</td>
<td>73</td>
</tr>
<tr>
<td>Fernández-Serrano, María J.</td>
<td>107</td>
</tr>
<tr>
<td>Ferri, Jamie</td>
<td>61</td>
</tr>
<tr>
<td>Figueira, Ivan</td>
<td>82</td>
</tr>
<tr>
<td>Figueira, Jessica Sanches B.</td>
<td>75</td>
</tr>
<tr>
<td>Filion, Diane L.</td>
<td>85</td>
</tr>
<tr>
<td>Finke, Johannes B.</td>
<td>85</td>
</tr>
<tr>
<td>Finley, Anna J.</td>
<td>56</td>
</tr>
<tr>
<td>Fisher, Cynthia</td>
<td>90</td>
</tr>
<tr>
<td>Fitzgerald, Daniel A.</td>
<td>83, 103</td>
</tr>
<tr>
<td>Fleming, Kimberly A.</td>
<td>68</td>
</tr>
<tr>
<td>Fletcher, Mark A.</td>
<td>90</td>
</tr>
<tr>
<td>Flohr, Elena L.R.</td>
<td>102</td>
</tr>
<tr>
<td>Foell, Jens</td>
<td>69, 70</td>
</tr>
<tr>
<td>Fogle, Robert</td>
<td>96</td>
</tr>
<tr>
<td>Fonfría, Alicia</td>
<td>64, 78</td>
</tr>
<tr>
<td>Fonseca, Isabel</td>
<td>115</td>
</tr>
<tr>
<td>Fonseca, Isabel Barahona</td>
<td>97</td>
</tr>
<tr>
<td>Ford, Judith M.</td>
<td>25, 87</td>
</tr>
<tr>
<td>Ford, Mary A.</td>
<td>82</td>
</tr>
<tr>
<td>Forney, Elliott M.</td>
<td>53</td>
</tr>
<tr>
<td>Fortunato, Andrea</td>
<td>58</td>
</tr>
<tr>
<td>Fosco, Gregory M.</td>
<td>55</td>
</tr>
<tr>
<td>Foti, Dan J.</td>
<td>42</td>
</tr>
<tr>
<td>Fox, Bryan D.</td>
<td>85</td>
</tr>
<tr>
<td>Fox, Nathan A.</td>
<td>36</td>
</tr>
<tr>
<td>Frank, David W.</td>
<td>100, 114</td>
</tr>
<tr>
<td>Frank, Michael J.</td>
<td>112</td>
</tr>
<tr>
<td>Frank, Robert M.</td>
<td>106</td>
</tr>
<tr>
<td>Freed, Steven</td>
<td>58, 59</td>
</tr>
<tr>
<td>Freeman, Andrew</td>
<td>90</td>
</tr>
<tr>
<td>Freggens, Marjorie</td>
<td>60</td>
</tr>
<tr>
<td>Friedman, Bruce H.</td>
<td>59</td>
</tr>
<tr>
<td>Frishkoff, Gwen A.</td>
<td>96, 106, 107</td>
</tr>
<tr>
<td>Fu, Shimin</td>
<td>98</td>
</tr>
<tr>
<td>Fu, Xiaoxue</td>
<td>78</td>
</tr>
<tr>
<td>Fuller-Rowell, Thomas</td>
<td>95</td>
</tr>
<tr>
<td>Fürst, Lena J.</td>
<td>63</td>
</tr>
<tr>
<td>Name</td>
<td>Page Numbers</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>Gable, Philip A.</td>
<td>68, 101</td>
</tr>
<tr>
<td>Galán, Lidice</td>
<td>109</td>
</tr>
<tr>
<td>Gannon, Matthew A.</td>
<td>75</td>
</tr>
<tr>
<td>Garbarino, James</td>
<td>35, 98</td>
</tr>
<tr>
<td>Garcia, Ana</td>
<td>113</td>
</tr>
<tr>
<td>Gardner-Schuster, Erica</td>
<td>58</td>
</tr>
<tr>
<td>Garriock, Holly</td>
<td>36</td>
</tr>
<tr>
<td>Gatzke-Kopp, Lisa M.</td>
<td>55, 93</td>
</tr>
<tr>
<td>Gavin, William J.</td>
<td>53</td>
</tr>
<tr>
<td>Gentili, Rodolphe J.</td>
<td>113</td>
</tr>
<tr>
<td>Gerdes, Antje B.M.</td>
<td>100</td>
</tr>
<tr>
<td>Gessner, Stacia</td>
<td>84</td>
</tr>
<tr>
<td>Gewirtz, Jonathan C.</td>
<td>69</td>
</tr>
<tr>
<td>Ghermezi, Livon</td>
<td>87</td>
</tr>
<tr>
<td>Gibb, Brandon E.</td>
<td>30, 31, 43, 97</td>
</tr>
<tr>
<td>Gibson, Raechelle M.</td>
<td>71</td>
</tr>
<tr>
<td>Gilbert, David G.</td>
<td>66, 69, 107</td>
</tr>
<tr>
<td>Gilchrist, Troy R.</td>
<td>116</td>
</tr>
<tr>
<td>Gillie, Brandon</td>
<td>95</td>
</tr>
<tr>
<td>Glenn, Catherine R.</td>
<td>84</td>
</tr>
<tr>
<td>Godwin, Maurice M.</td>
<td>80, 90</td>
</tr>
<tr>
<td>Goel, Paras</td>
<td>80</td>
</tr>
<tr>
<td>Goldsmith, H.H.</td>
<td>46</td>
</tr>
<tr>
<td>Goldstein, Abraham</td>
<td>109</td>
</tr>
<tr>
<td>Goldstein, Ursula</td>
<td>82</td>
</tr>
<tr>
<td>Gollwitzer, Peter M.</td>
<td>112</td>
</tr>
<tr>
<td>Gómez-Velázquez, Fabiola R.</td>
<td>54, 60, 97</td>
</tr>
<tr>
<td>González-Garrido, André A.</td>
<td>54, 60, 97</td>
</tr>
<tr>
<td>González-Usera, Isis</td>
<td>73</td>
</tr>
<tr>
<td>Goodman, Marianne</td>
<td>57</td>
</tr>
<tr>
<td>Goodman, Sherryl H.</td>
<td>30</td>
</tr>
<tr>
<td>Gorka, Stephanie M.</td>
<td>83</td>
</tr>
<tr>
<td>Gottfried, Jay</td>
<td>65</td>
</tr>
<tr>
<td>Graap, Ken</td>
<td>118</td>
</tr>
<tr>
<td>Grabinski, Kristen M.</td>
<td>68</td>
</tr>
<tr>
<td>Grand, Kirk</td>
<td>90, 118</td>
</tr>
<tr>
<td>Grant, Brett J.</td>
<td>101</td>
</tr>
<tr>
<td>Gratton, Gabrielle</td>
<td>32, 41, 90</td>
</tr>
<tr>
<td>Gray, Deleon L.</td>
<td>98</td>
</tr>
<tr>
<td>Green, Michael F.</td>
<td>87</td>
</tr>
<tr>
<td>Greenwald, Corey</td>
<td>105</td>
</tr>
<tr>
<td>Gregory, Ellen</td>
<td>84</td>
</tr>
<tr>
<td>Grote-Fifer, Jill</td>
<td>91, 107</td>
</tr>
<tr>
<td>Gross, James J.</td>
<td>65, 108</td>
</tr>
<tr>
<td>Gruss, L. Forest</td>
<td>79, 80</td>
</tr>
<tr>
<td>Gugushvili, Manana</td>
<td>54</td>
</tr>
<tr>
<td>Gulyayeva, Olga</td>
<td>111</td>
</tr>
<tr>
<td>Gvozdanovic, Geraldine</td>
<td>75</td>
</tr>
<tr>
<td>Haase, Claudia M.</td>
<td>33</td>
</tr>
<tr>
<td>Hacker, Doug J.</td>
<td>112</td>
</tr>
<tr>
<td>Hackley, Steven A.</td>
<td>85</td>
</tr>
<tr>
<td>Hale-Rude, Emily M.</td>
<td>62, 115</td>
</tr>
<tr>
<td>Hambach, Anna-Christine</td>
<td>102</td>
</tr>
<tr>
<td>Hameroff, Stuart</td>
<td>79</td>
</tr>
<tr>
<td>Hamilton, Holly K.</td>
<td>89</td>
</tr>
<tr>
<td>Hamm, Alfonso O.</td>
<td>25, 48, 75, 100, 117</td>
</tr>
<tr>
<td>Hamm, Jordan P.</td>
<td>88</td>
</tr>
<tr>
<td>Hanusch, Kay-Uwe</td>
<td>79</td>
</tr>
<tr>
<td>Hardin, Lisa</td>
<td>105</td>
</tr>
<tr>
<td>Hardy, Katherine</td>
<td>27</td>
</tr>
<tr>
<td>Harmon-Jones, Eddie</td>
<td>56, 64</td>
</tr>
<tr>
<td>Harris, Lindsay H.</td>
<td>96</td>
</tr>
<tr>
<td>Harrison, David W.</td>
<td>108, 109</td>
</tr>
<tr>
<td>Harrison, Kelly E.</td>
<td>57</td>
</tr>
<tr>
<td>Hasbroucq, Thierry</td>
<td>117</td>
</tr>
<tr>
<td>Hasebe, Naotaka</td>
<td>96</td>
</tr>
<tr>
<td>Hastings, Paul D.</td>
<td>30, 47</td>
</tr>
<tr>
<td>Hatfield, Bradley D.</td>
<td>113</td>
</tr>
<tr>
<td>Havrylets, Youri</td>
<td>116</td>
</tr>
<tr>
<td>Hayrynen, Lauren K.</td>
<td>87, 88</td>
</tr>
<tr>
<td>Hazlett, Erin A.</td>
<td>57</td>
</tr>
<tr>
<td>Heathers, James A.J.</td>
<td>65, 81</td>
</tr>
<tr>
<td>Hedges, Dawson W.</td>
<td>75, 76</td>
</tr>
<tr>
<td>Hegde, Monica S.</td>
<td>84</td>
</tr>
<tr>
<td>Heim, Alicia F.</td>
<td>95</td>
</tr>
<tr>
<td>Heller, Wendy</td>
<td>45, 63</td>
</tr>
<tr>
<td>Henare, Dion T.</td>
<td>52</td>
</tr>
</tbody>
</table>
Index

Henderson, Robert R. ..... 80, 114
Hensley, Marie K. ..... 53
Henz, Diana ..... 72, 112
Heritage, Allan J. ..... 99
Hermann, Christiane ..... 77
Hermosillo, Lori ..... 114
Herring, David R. ..... 101, 114
Herzog, Sarah ..... 58
Hess, Ursula ..... 116
Hewig, Johannes ..... 32, 61, 65, 111, 113
Hibbert, Anita S. ..... 109
Hicks, Josh A. ..... 68, 86
Higgins, Alison ..... 91
Highsmith, Jonathan M. ..... 104, 105
Hilgard, Joseph B. ..... 35, 67
Hill, Kyle R. ..... 75, 77
Hill, LaBaron K. ..... 51, 82, 98, 111
Hillecke, Thomas K. ..... 95
Hillman, Charles H. ..... 54, 55, 93
Hinnant, Ben ..... 114
Hirata, Hisashi ..... 96
Hobson, Nicholas M. ..... 38
Hodges, Leslie ..... 106
Holland, Alissa K. ..... 108, 109
Holland, Maggie ..... 86
Holloway, Jacqueline L. ..... 116
Holt-Lunstad, Julianne ..... 75, 76
Hooley, Jill M. ..... 92
Hopp, Johanna ..... 27
Horan, William P. ..... 87
Horta, Marilyn ..... 92
Hovi, Petteri ..... 117
Howard, Aisha ..... 108
Howard, Alexis ..... 93
Hoyniak, Caroline P. ..... 46
Hu, Xiaqing ..... 73
Huang, Haiqing ..... 80
Hudgens-Haney, Matthew E. ..... 87
Hueston, Cara ..... 97
Huggins, Ashley A. ..... 83
Hülsemann, Mareike J. ..... 85, 94
Hunt, Carly A. ..... 80
Hunt, Isaac ..... 75
Hyde, Daniel C. ..... 90
Iacono, William ..... 32
Iacono, William G. ..... 70, 108
Ievpak, Natalia V. ..... 94
Infantolino, Zachary P. ..... 63
Inoue, Yusuke ..... 104
Invitto, Sara ..... 116
Inzlicht, Michael ..... 38
Isaacowitz, Derek M. ..... 51
Jackson, Felicia L. ..... 62, 115
Jahshan, Carol ..... 87
Jamerson, Brenda ..... 111
James, Taylor ..... 50
Jamison-Koenig, Edgar ..... 96
Janssen, Clemens H.W. ..... 79
Janssen, Erick ..... 95
Jaquess, Kyle J. ..... 113
Jasperse, Lee J. ..... 89
Jennings, J. Richard ..... 95
Jetha, Michelle K. ..... 55
Jimenez, Amy M. ..... 87
Jin, Alvin B. ..... 99
Jin, Jingwen ..... 35, 65
Jin, Zhanpeng ..... 105
Jing, Yiming ..... 62
Johnson, Ashley L. ..... 31
Johnson, Benjamin T. ..... 53
Johnson, Meredith P. ..... 67, 68
Johnson, Patricia L. ..... 60
Johnson-Cowan, Sharon ..... 105
Johnstone, Kyah ..... 118
Joiner, Thomas E. ..... 70
Jolicoeur, Pierre ..... 39, 40, 52, 74
Jones, Neil P. ..... 118
Jost, Michael Stefan ..... 102
<table>
<thead>
<tr>
<th>Name</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junghöfer, Markus</td>
<td>79, 91,</td>
</tr>
<tr>
<td></td>
<td>93, 99</td>
</tr>
<tr>
<td>K</td>
<td></td>
</tr>
<tr>
<td>Kaczkurkin, Antonia N.</td>
<td>94</td>
</tr>
<tr>
<td>Kahle, Sarah</td>
<td>47</td>
</tr>
<tr>
<td>Kajantie, Eero</td>
<td>117</td>
</tr>
<tr>
<td>Kamijo, Keita</td>
<td>54, 55</td>
</tr>
<tr>
<td>Kamp, Sdi-Maria</td>
<td>51</td>
</tr>
<tr>
<td>Kappas, Arvid</td>
<td>78</td>
</tr>
<tr>
<td>Karekla, Maria</td>
<td>69</td>
</tr>
<tr>
<td>Karl, Anke</td>
<td>72</td>
</tr>
<tr>
<td>Kastner, Anna K.</td>
<td>102</td>
</tr>
<tr>
<td>Kathmann, Norbert</td>
<td>94</td>
</tr>
<tr>
<td>Katz, Rachel L.</td>
<td>70</td>
</tr>
<tr>
<td>Kavcic, Voyko</td>
<td>118</td>
</tr>
<tr>
<td>Kazmerski, Victoria A.</td>
<td>28, 96</td>
</tr>
<tr>
<td>Keil, Andreas</td>
<td>32, 39,</td>
</tr>
<tr>
<td></td>
<td>79, 80,</td>
</tr>
<tr>
<td></td>
<td>103</td>
</tr>
<tr>
<td>Kelley, Nicholas J.</td>
<td>56</td>
</tr>
<tr>
<td>Kemkes, Kevin</td>
<td>56</td>
</tr>
<tr>
<td>Kemp, Andrew H.</td>
<td>65, 110</td>
</tr>
<tr>
<td>Keshavan, Matcheri S.</td>
<td>88</td>
</tr>
<tr>
<td>Kessel, Ellen M.</td>
<td>92</td>
</tr>
<tr>
<td>Khachidze, Irma</td>
<td>54</td>
</tr>
<tr>
<td>Khalifian, Negin</td>
<td>105</td>
</tr>
<tr>
<td>Khan, Naim A.</td>
<td>54, 55</td>
</tr>
<tr>
<td>Khedari, Vivian</td>
<td>58</td>
</tr>
<tr>
<td>Khodanovich, Marina Yu.</td>
<td>98, 111</td>
</tr>
<tr>
<td>Keiffaber, Paul D.</td>
<td>100, 113</td>
</tr>
<tr>
<td>Kienle, Johanna</td>
<td>89</td>
</tr>
<tr>
<td>Kilborn, Kerry</td>
<td>106</td>
</tr>
<tr>
<td>Kircher, John C.</td>
<td>112</td>
</tr>
<tr>
<td>Kirillo, Elvira</td>
<td>91, 107</td>
</tr>
<tr>
<td>Kirschner, Hans</td>
<td>72</td>
</tr>
<tr>
<td>Kiryu, Shigeru</td>
<td>104</td>
</tr>
<tr>
<td>Kisley, Michael A.</td>
<td>50, 64</td>
</tr>
<tr>
<td>Kissler, Johanna</td>
<td>97, 115</td>
</tr>
<tr>
<td>Klein, Daniel N.</td>
<td>36, 62,</td>
</tr>
<tr>
<td></td>
<td>92</td>
</tr>
<tr>
<td>Klein, Jamie C.</td>
<td>100</td>
</tr>
<tr>
<td>Klinkenberg, Isabelle</td>
<td>93</td>
</tr>
<tr>
<td>Klonsky, E. David</td>
<td>109</td>
</tr>
<tr>
<td>Kluszek, Jessica</td>
<td>118</td>
</tr>
<tr>
<td>Kmiecik, Matthew</td>
<td>35, 98</td>
</tr>
<tr>
<td>Knight, Justin B.</td>
<td>87</td>
</tr>
<tr>
<td>Knopik, Valerie S.</td>
<td>31, 97</td>
</tr>
<tr>
<td>Koban, Leonie</td>
<td>29</td>
</tr>
<tr>
<td>Kochanska, Grazyna</td>
<td>91</td>
</tr>
<tr>
<td>Koehler, Justine M.</td>
<td>88</td>
</tr>
<tr>
<td>Koenig, Julian</td>
<td>95</td>
</tr>
<tr>
<td>Kokinous, Jenny</td>
<td>99</td>
</tr>
<tr>
<td>Komisarz, Christopher E.</td>
<td>94, 93</td>
</tr>
<tr>
<td>Konig, Andrea</td>
<td>93</td>
</tr>
<tr>
<td>Kopec, Justin</td>
<td>56, 81</td>
</tr>
<tr>
<td>Koraly, Perez-Edgar</td>
<td>101</td>
</tr>
<tr>
<td>Korhumel, Rachel A.</td>
<td>68</td>
</tr>
<tr>
<td>Kotani, Yasunori</td>
<td>104</td>
</tr>
<tr>
<td>Kotov, Roman</td>
<td>36, 84, 89</td>
</tr>
<tr>
<td>Koz, Sonja A.</td>
<td>99</td>
</tr>
<tr>
<td>Kozlovslyuk, Stanislav</td>
<td>73</td>
</tr>
<tr>
<td>Kramer, Arthur F.</td>
<td>43, 54</td>
</tr>
<tr>
<td>Kraynak, Thomas E.</td>
<td>92</td>
</tr>
<tr>
<td>Kreibig, Sylvia D.</td>
<td>108</td>
</tr>
<tr>
<td>Krenzer, Daniel</td>
<td>27</td>
</tr>
<tr>
<td>Krueger, Robert F.</td>
<td>70</td>
</tr>
<tr>
<td>Krumhuber, Eva</td>
<td>78</td>
</tr>
<tr>
<td>Krutenkova, Elena P.</td>
<td>98, 111</td>
</tr>
<tr>
<td>Krygier, Jonathan R.</td>
<td>65</td>
</tr>
<tr>
<td>Kudinova, Anastasia Y.</td>
<td>31, 97</td>
</tr>
<tr>
<td>Kujawa, Autumn J.</td>
<td>36, 92</td>
</tr>
<tr>
<td>Kursawe, Michael A.</td>
<td>74</td>
</tr>
<tr>
<td>Kurtz, Kenneth</td>
<td>105</td>
</tr>
<tr>
<td>Kustermann, Thomas</td>
<td>89</td>
</tr>
<tr>
<td>Kuyken, Willem</td>
<td>72</td>
</tr>
<tr>
<td>Kuznetsov, Illya P.</td>
<td>94</td>
</tr>
<tr>
<td>Labkovsky, Elena</td>
<td>119</td>
</tr>
<tr>
<td>Lackner, Christine L.</td>
<td>72</td>
</tr>
<tr>
<td>Lageman, Sarah K.</td>
<td>57</td>
</tr>
<tr>
<td>Landi, Nicole</td>
<td>104</td>
</tr>
<tr>
<td>Lang, Annie</td>
<td>82</td>
</tr>
<tr>
<td>Lang, Peter J.</td>
<td>25, 79, 80, 114</td>
</tr>
<tr>
<td>Laplante, Marie-Claude</td>
<td>114</td>
</tr>
<tr>
<td>Laptook, Rebecca</td>
<td>36</td>
</tr>
<tr>
<td>Larimer, Mary E.</td>
<td>72</td>
</tr>
<tr>
<td>Larra, Mauro F.</td>
<td>85, 86</td>
</tr>
</tbody>
</table>
Index

Meissner, Sarah ............. 86
Meyer, Alexandria M. .... 36, ................. 62
Mezulis, Amy ............... 91
Mignozzi, Arianna .......... 116
Milad, Mohammed R ....... 103
Mill, Jose G ................. 110
Miller, Alicia ............... 27
Miller, Gregory A ......... 43, 45, .. ....... 63, 86, 89
Miller, Jonas ............... 47
Miller, Kendra L .......... 82
Miller, Matthew W ....... 80, 90, ................. 118
Milligan, Karen .......... 71, 72
Miltner, Wolfgang H.R ... 85
Minshew, Reese .......... 58
Mizutani, Yoko .......... 96
Moelter, Stephen T ....... 81
Mohanty, Aprajita ....... 35, ................. 65, 89
Molfese, Dennis L ....... 46
Molina, Stephany M ...... 51
Moltó, Javier ............... 64, 75, 78, ................. 93, 100
Monsell, Stephen .......... 77
Montoro-Aguilar, Casandra .... 107
Moore, Robert D ......... 54, 55
Morales, Santiago ....... 54, 77
Moran, Tim P ............. 45, 66
Moreno-Dominguez, Silvia .... 107
Morgan, Laura K ....... 64
Morrison, Robert G ....... 35, ................. 98
Morrow, Jeremiah K ....... 78
Moser, Jason S .......... 45, 66
Mueller, Erik M .......... 77
Mühlberger, Andreas ....... 102, ................. 103
Mukherjee, Prerona ........ 89
Müller, Daniel J ........... 63
Muller-Gass, Alexander .... 64
Murphy, Timothy I ........ 71
Murphy, Timothy K ....... 88
Murphy, William ....... 84
Mussel, Patrick ........... 65, 113
Myers, Catherine E ....... 116

N
Nagornova, Zhanna V ....... 92, ................. 113, 114
Naumann, Ewald ........ 85, 94
Nehfischer, Markus ...... 102
Nelson, Brady D ........ 36, 62, ................. 83, 115
Nesterova, Oksana S ....... 94
Neumann, Anna ........... 80
Newman, Matt............. 119
Newton, Sara E .......... 108, 109
Ng, Jennifer ............ 116
Nhi, Thai ................. 101
Nicolardi, Giuseppe ....... 116
Nielsen, Brent L ........ 75, 76
Norte, Carlos ........... 82
Nuechterlein, Keith H ....... 89
Nunes, Maria A ........... 110
Nusslock, Robin ....... 63, 64, ................. 99

O
O’Brien, Jennifer L ....... 50
O’Hare, Amanda J ....... 45
O’Leary, Daniel ........... 99
O’Toole, Laura J ........... 43, ................. 110, 111
Oaks, Angela ........... 27
Oberauer, Klaus ........... 39
Oettingen, Gabriele ....... 112
Oh, Hyuk ........... 113
Ohgami, Yoshimi ........ 104
Okita, Yoshimitsu ....... 96
Oldenburg, Reinhard ....... 112
Olinger, Nathan ........... 27
Olivera, José M ........... 81
Oliver, William T ........ 87
Olson, Ryan L ........... 101, ................. 117
Opitz, Philipp C ........... 29,

Ortega-Roldán, Blanca ....... 73
Oschwald, Jessica ........ 39
Osinsky, Roman ........... 113
Oumeziane, Belal Ait ....... 51
Owens, Emily M ........... 89
Owens, Max ........... 30, 31, 43
<table>
<thead>
<tr>
<th>Name</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palmer, Rohan H.C.</td>
<td>31, 97</td>
</tr>
<tr>
<td>Palumbo, Isabella M.</td>
<td>69</td>
</tr>
<tr>
<td>Palumbo, Robert</td>
<td>35, 98</td>
</tr>
<tr>
<td>Panayiotou, Georgia</td>
<td>69</td>
</tr>
<tr>
<td>Panitz, Christian</td>
<td>77</td>
</tr>
<tr>
<td>Pantev, Christo</td>
<td>99</td>
</tr>
<tr>
<td>Paren, Sophie</td>
<td>58</td>
</tr>
<tr>
<td>Parker, David A.</td>
<td>87</td>
</tr>
<tr>
<td>Parkhurst, David K.</td>
<td>114</td>
</tr>
<tr>
<td>Parks, Nathan A.</td>
<td>75</td>
</tr>
<tr>
<td>Pastika, Tim</td>
<td>27</td>
</tr>
<tr>
<td>Pastor, Maria Carmen</td>
<td>79</td>
</tr>
<tr>
<td>Patnaik, Pooja</td>
<td>112</td>
</tr>
<tr>
<td>Patrick, Christopher J.</td>
<td>25, 42, 69, 70</td>
</tr>
<tr>
<td>Paul, Sandra</td>
<td>94</td>
</tr>
<tr>
<td>Pauli, Paul</td>
<td>102, 103</td>
</tr>
<tr>
<td>Pavlov, Yuri G.</td>
<td>74, 112</td>
</tr>
<tr>
<td>Payne, Andrew F.H.</td>
<td>100</td>
</tr>
<tr>
<td>Pearson, Godfrey D.</td>
<td>88</td>
</tr>
<tr>
<td>Pehme, Patricia</td>
<td>111</td>
</tr>
<tr>
<td>Penadés, Raul L.</td>
<td>93</td>
</tr>
<tr>
<td>Perakakis, Pandelis</td>
<td>73</td>
</tr>
<tr>
<td>Pereira, Alexandre C.</td>
<td>110</td>
</tr>
<tr>
<td>Pereira, Mirtes G.</td>
<td>75</td>
</tr>
<tr>
<td>Perfetti, Charles A</td>
<td>96, 106</td>
</tr>
<tr>
<td>Perlman, Greg</td>
<td>36, 84</td>
</tr>
<tr>
<td>Perry, Cynthia E.</td>
<td>75, 76</td>
</tr>
<tr>
<td>Petersen, Isaac T.</td>
<td>46</td>
</tr>
<tr>
<td>Petro, Nathan M.</td>
<td>80, 103</td>
</tr>
<tr>
<td>Phan, K. Luan</td>
<td>83, 103</td>
</tr>
<tr>
<td>Phelps, Randi A.</td>
<td>92</td>
</tr>
<tr>
<td>Philbrook, Lauren E.</td>
<td>77</td>
</tr>
<tr>
<td>Picard, Rosalind</td>
<td>115</td>
</tr>
<tr>
<td>Picchietti, Matthew A.</td>
<td>107</td>
</tr>
<tr>
<td>Pierce, Jordan E.</td>
<td>87</td>
</tr>
<tr>
<td>Pindus, Dominika M.</td>
<td>55</td>
</tr>
<tr>
<td>Piper, Megan E.</td>
<td>68</td>
</tr>
<tr>
<td>Poe, Jennifer M.</td>
<td>50</td>
</tr>
<tr>
<td>Poirer, Mark</td>
<td>84</td>
</tr>
<tr>
<td>Poli, Eleonora</td>
<td>70</td>
</tr>
<tr>
<td>Pontifex, Matthew B.</td>
<td>55</td>
</tr>
<tr>
<td>Popov, Tzvetan G.</td>
<td>86, 89</td>
</tr>
<tr>
<td>Pornpattananangkul, Narun</td>
<td>63, 64, 99</td>
</tr>
<tr>
<td>Potenza, Marc N.</td>
<td>104</td>
</tr>
<tr>
<td>Potter, Robert F.</td>
<td>96</td>
</tr>
<tr>
<td>Potts, Geoffrey F.</td>
<td>60, 61</td>
</tr>
<tr>
<td>Powell, Geoff</td>
<td>52</td>
</tr>
<tr>
<td>Poy, Rosario</td>
<td>64, 100</td>
</tr>
<tr>
<td>Poy, Roser</td>
<td>78, 93</td>
</tr>
<tr>
<td>Proudfit, Greg Hjäck</td>
<td>36, 38, 42, 61, 62, 65, 84, 92, 115</td>
</tr>
<tr>
<td>Pyasik, Maria</td>
<td>73</td>
</tr>
<tr>
<td>Pyhälä, Riikka</td>
<td>117</td>
</tr>
<tr>
<td>Q</td>
<td></td>
</tr>
<tr>
<td>Qian, Lisa</td>
<td>101</td>
</tr>
<tr>
<td>Quarta, Marzja</td>
<td>116</td>
</tr>
<tr>
<td>Quigley, Karen</td>
<td>56, 69, 80, 81</td>
</tr>
<tr>
<td>Quigley, Karen S.</td>
<td>31</td>
</tr>
<tr>
<td>Quiñones-Camacho, Laura E.</td>
<td>47, 110</td>
</tr>
<tr>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Räikkönen, Katri</td>
<td>117</td>
</tr>
<tr>
<td>Raine, Lauren B.</td>
<td>54, 55, 93</td>
</tr>
<tr>
<td>Rankin, Cameron</td>
<td>95</td>
</tr>
<tr>
<td>Rapoport, Olga</td>
<td>85, 94</td>
</tr>
<tr>
<td>Rasch, Björn</td>
<td>65, 75</td>
</tr>
<tr>
<td>Raupp, Gregory J.</td>
<td>68</td>
</tr>
<tr>
<td>Reaves, Sarah</td>
<td>73</td>
</tr>
<tr>
<td>Rehbein, Maimu A.</td>
<td>79, 93</td>
</tr>
<tr>
<td>Rehm, Jared</td>
<td>80</td>
</tr>
<tr>
<td>Reinhart, Robert M.G.</td>
<td>34</td>
</tr>
<tr>
<td>Ren, Xi</td>
<td>85</td>
</tr>
<tr>
<td>Revill, Katherine</td>
<td>106</td>
</tr>
<tr>
<td>Reznik, Samantha J.</td>
<td>64</td>
</tr>
<tr>
<td>Ribes, Katherine</td>
<td>106</td>
</tr>
<tr>
<td>Richter, Jan</td>
<td>25, 117</td>
</tr>
<tr>
<td>Rickles, Ben B.</td>
<td>96</td>
</tr>
<tr>
<td>Rickles, Benjamin</td>
<td>106</td>
</tr>
<tr>
<td>Riesel, Anja</td>
<td>38</td>
</tr>
<tr>
<td>Rietschel, Jeremy C.</td>
<td>80, 90, 113</td>
</tr>
<tr>
<td>Rilling, James K.</td>
<td>92</td>
</tr>
<tr>
<td>Rimkus, Sarah</td>
<td>102</td>
</tr>
</tbody>
</table>
Index

Rincon, Amanda ............. 111
Rios, Victor .................. 111
Rizun, Rizun ................. 116
Roach, Brian J............... 87
Roberts, Jane E .............. 118
Roberts, Kevin H............ 63
Roberts, Kevin W............ 63
Roberts, Nicole A........... 114
Robinson, Jennifer L........ 118
Roche, Nina.................. 70
Rockstroh, Brigitte S....... 86,
............................................... 89
Rodrigue, Amanda L......... 87
Rodrigues, Johannes ....... 61,
............................................... 111
Rodrigues, Miguel .......... 115
Rodríguez-Árbol, Javier ... 73
Rodríguez-Ruiz, Sonia ...... 73
Romanos, Marcel ........... 102
Romay, Roberto J............ 118
Romer, Georg ................. 91
Rosenbusch, Kaylee ......... 114
Rosenfeld, J. Peter ........ 73, 119
Rozhkov, Vladimir P....... 92
Ruiz-Blondet, Maria V .... 105
Ruiz-Stovel, Vanessa D.... 60
Rumak, Samuel .......... .... 74
Rundle, Brian K............. 60
Rutherford, Helena J.V.... 104

S

Sá, Soraya L .................. 113
Saad, Laura ................... 81
Sabatinelli, Dean ............ 100, 114
Sabharwal, Amri .......... .... 89
Sable, Jeffrey ................. 27
Sacchi, Elizabeth .......... .... 105
Sadeh, Naomi ................. 108
Saigal, Saroj ................ 117
Salisbury, Dean F............ 88
Sammarco, Silvia .......... .... 116
Samson, Andrea C ........... 108
Samson, Lelia ................. 95
Sandoval, Hugo ............... 101
Sands, Andrew ............... 101
Sands, Stephen F ............. 101
Sanguinetti, J.L .............. 79
Sanislow, Charles .......... .... 25
Santesso, Diane L .......... .... 71
Santos, André V .............. 81
Santos, Itamar ............... 110
Saunders, Blair .............. 38
Sbarra, Dave A ............... 78
Schächinger, Hartmut ....... 40,
............................................... 85, 86
Schoeller, David J ......... 87
Schell, Anne M ............... 100
Schembre, Susan M .......... 116
Schilling, Thomas M ........ 85,
............................................... 86
Schindler, Sebastian ....... 97
Schlösser, Diana ............. 115
Schmeichel, Brandon J ...... 56
Schmidt, Barbara ........... 65
Schmidt, Louis A ............ 71, 72,
............................................... 117
Schneider-Garces, Nils ....... 90
Schöllhorn, Wolfgang I .... 72,
............................................... 112
Scudder, Mark R .......... .... 54,
............................................... 55, 93
Sears, Lauren ................. 56, 81
Sears, Lonnie L .............. 52, 53
Segalowitz, Sidney J ...... .... 53,
............................................... 55, 71, 72
Segarra, Pilar ............... 64, 78
Sege, Pilar ..................... 64,
............................................... 114
Seifritz, Erich ............... 75
Selby, Edward A ............. 117
Seo, Dongju ................. 70
Servatius, Richard J ....... 65,
............................................... 116
Servian-Franco, Fátima .... 107
Shahkman, Stewart A ...... .... 83,
............................................... 103
Shemyakina, Natalia V .... 92,
............................................... 113, 114
Shiffler, Stephanie M ....... 58
Shih, Emily W ................. 47, 110
<table>
<thead>
<tr>
<th>Name</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shiota, Michelle N.</td>
<td>33, 37</td>
</tr>
<tr>
<td>Sholty, Gretchen L.</td>
<td>89</td>
</tr>
<tr>
<td>Shors, Tracey J.</td>
<td>117</td>
</tr>
<tr>
<td>Sibalis, Anabel</td>
<td>71</td>
</tr>
<tr>
<td>Sibiga, Ali</td>
<td>61</td>
</tr>
<tr>
<td>Siegel, Erika H.</td>
<td>56, 69, 81</td>
</tr>
<tr>
<td>Siegle, Greg J.</td>
<td>30, 43, 58, 92, 118</td>
</tr>
<tr>
<td>Silex, Natalie</td>
<td>113</td>
</tr>
<tr>
<td>Silk, Jennifer S.</td>
<td>118</td>
</tr>
<tr>
<td>Silton, Rebecca L.</td>
<td>35, 98</td>
</tr>
<tr>
<td>Silva, Carla Matos</td>
<td>97</td>
</tr>
<tr>
<td>Silverman, Wendy K.</td>
<td>43</td>
</tr>
<tr>
<td>Simmons, Akeesha</td>
<td>111</td>
</tr>
<tr>
<td>Simon, Daniela</td>
<td>94</td>
</tr>
<tr>
<td>Simons, Robert F.</td>
<td>62</td>
</tr>
<tr>
<td>Singh, Sonia</td>
<td>60</td>
</tr>
<tr>
<td>Skowron, Elizabeth A.</td>
<td>91</td>
</tr>
<tr>
<td>Slagter, Heleen A.</td>
<td>47</td>
</tr>
<tr>
<td>Slapin, Aurelija</td>
<td>116</td>
</tr>
<tr>
<td>Slavina, Anna</td>
<td>98, 113</td>
</tr>
<tr>
<td>Smith, Ezra E.</td>
<td>79</td>
</tr>
<tr>
<td>Smith, Gretchen N.L.</td>
<td>59</td>
</tr>
<tr>
<td>Smith, J.D.</td>
<td>91</td>
</tr>
<tr>
<td>Sobishchanskyi, Sergii</td>
<td>116</td>
</tr>
<tr>
<td>Soder, Heather E.</td>
<td>61</td>
</tr>
<tr>
<td>Sokhadze, Estate (Tato) M.</td>
<td>52, 53</td>
</tr>
<tr>
<td>Sokhadze, Guela E.</td>
<td>52</td>
</tr>
<tr>
<td>Sokol, Al’ona P.</td>
<td>94</td>
</tr>
<tr>
<td>Sollers III, John J.</td>
<td>51, 82</td>
</tr>
<tr>
<td>Song, Inkyung</td>
<td>80</td>
</tr>
<tr>
<td>Soroko, Svyatoslav I.</td>
<td>92</td>
</tr>
<tr>
<td>Souza, Gabriela</td>
<td>82</td>
</tr>
<tr>
<td>Spangler, Derek P.</td>
<td>59</td>
</tr>
<tr>
<td>Sparkman, Susanne</td>
<td>50</td>
</tr>
<tr>
<td>Speed, Brittany C.</td>
<td>62, 115</td>
</tr>
<tr>
<td>Speller, Lassiter F.</td>
<td>95</td>
</tr>
<tr>
<td>Spielberg, Jeffrey M.</td>
<td>45, 63</td>
</tr>
<tr>
<td>Spieser, Laure</td>
<td>117</td>
</tr>
<tr>
<td>Spiriou, Flavia</td>
<td>71, 72</td>
</tr>
<tr>
<td>Sponheim, Scott</td>
<td>94</td>
</tr>
<tr>
<td>Sprycha, Maciej</td>
<td>65</td>
</tr>
<tr>
<td>Staempfli, Philipp</td>
<td>75</td>
</tr>
<tr>
<td>Stafford, Erin</td>
<td>58</td>
</tr>
<tr>
<td>Stanford, Matthew S.</td>
<td>60</td>
</tr>
<tr>
<td>Staples, Angela D.</td>
<td>46</td>
</tr>
<tr>
<td>Starcevic, Ivana</td>
<td>118</td>
</tr>
<tr>
<td>Steding, Lindsey H.</td>
<td>99</td>
</tr>
<tr>
<td>Steele, Angela</td>
<td>108, 109</td>
</tr>
<tr>
<td>Stein, Alwina</td>
<td>99</td>
</tr>
<tr>
<td>Steinberg, Christian</td>
<td>93</td>
</tr>
<tr>
<td>Stephenson, Alexandra J.</td>
<td></td>
</tr>
<tr>
<td>Steppacher, Inga</td>
<td>115</td>
</tr>
<tr>
<td>Sternin, Avital</td>
<td>71</td>
</tr>
<tr>
<td>Stevens, Tobias</td>
<td>77</td>
</tr>
<tr>
<td>Stockdale, Laura</td>
<td>35, 98</td>
</tr>
<tr>
<td>Stone, Lindsey B.</td>
<td>118</td>
</tr>
<tr>
<td>Stowe, Zachary N.</td>
<td>30</td>
</tr>
<tr>
<td>Strauss, Cyd C.</td>
<td>114</td>
</tr>
<tr>
<td>Strickland, Casey M.</td>
<td>70</td>
</tr>
<tr>
<td>Strunk, Jonathan</td>
<td>50, 73, 74</td>
</tr>
<tr>
<td>Subotnik, Kenneth L.</td>
<td>89</td>
</tr>
<tr>
<td>Sugiura, Toshifumi</td>
<td>96</td>
</tr>
<tr>
<td>Sullivan, Evelyn R.</td>
<td>114</td>
</tr>
<tr>
<td>Sussman, Tamara J.</td>
<td>35, 65</td>
</tr>
<tr>
<td>Sutton, Bradley P.</td>
<td>63</td>
</tr>
<tr>
<td>Sweeney, John A.</td>
<td>87, 88</td>
</tr>
<tr>
<td>Szekely, Akos</td>
<td>35, 65, 89</td>
</tr>
<tr>
<td>T</td>
<td></td>
</tr>
<tr>
<td>Takahashi, Isao</td>
<td>96</td>
</tr>
<tr>
<td>Tamminga, Carol A.</td>
<td>88</td>
</tr>
<tr>
<td>Tan, Chin Hong</td>
<td>90</td>
</tr>
<tr>
<td>Tan, Ying Ying</td>
<td>113</td>
</tr>
<tr>
<td>Tang, David</td>
<td>56</td>
</tr>
<tr>
<td>Tännzy, Pascal</td>
<td>72</td>
</tr>
<tr>
<td>Tartar, Jaime</td>
<td>109</td>
</tr>
<tr>
<td>Tasman, Allan</td>
<td>52</td>
</tr>
<tr>
<td>Taubitz, Lauren E.</td>
<td>35, 46</td>
</tr>
<tr>
<td>Tavakoli, Paniz</td>
<td>64</td>
</tr>
<tr>
<td>Tavano, Alessandro</td>
<td>99</td>
</tr>
<tr>
<td>Tavares, Maria Clotilde H.</td>
<td>113</td>
</tr>
<tr>
<td>Taylor, Brittany K.</td>
<td>53</td>
</tr>
<tr>
<td>Taylor, Jeanette</td>
<td>60</td>
</tr>
<tr>
<td>Thayer, Julian F.</td>
<td>33, 37, 51, 82, 95, 110</td>
</tr>
<tr>
<td>The, Kimberly J.</td>
<td>53</td>
</tr>
<tr>
<td>Themanson, Jason R.</td>
<td>118</td>
</tr>
<tr>
<td>Thomason, Hayley M.</td>
<td>103</td>
</tr>
<tr>
<td>Thompson, Andrew G.</td>
<td>90</td>
</tr>
<tr>
<td>Thorpe, Roland</td>
<td>51</td>
</tr>
<tr>
<td>Thorson, Katherine R.</td>
<td>112</td>
</tr>
<tr>
<td>Threadgill, Hunter</td>
<td>68</td>
</tr>
<tr>
<td>Todd, Rebecca M.</td>
<td>63</td>
</tr>
<tr>
<td>Name</td>
<td>Page(s)</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Tomaz, Carlos</td>
<td>113</td>
</tr>
<tr>
<td>Torres, Aurora</td>
<td>82</td>
</tr>
<tr>
<td>Torres, Dhannia</td>
<td>114</td>
</tr>
<tr>
<td>Torres-Araneda, Alejandra</td>
<td>66</td>
</tr>
<tr>
<td>Trifilio, Erin</td>
<td>92</td>
</tr>
<tr>
<td>Troller-Renfree, Sonya</td>
<td>36</td>
</tr>
<tr>
<td>Troy, Allison</td>
<td>30</td>
</tr>
<tr>
<td>Tsankova, Elena</td>
<td>78</td>
</tr>
<tr>
<td>Tu, Kelly M.</td>
<td>114</td>
</tr>
<tr>
<td>Tuerk, Peter W.</td>
<td>117</td>
</tr>
<tr>
<td>Tukaiev, Sergii</td>
<td>116</td>
</tr>
<tr>
<td>Tullett, Alexa M.</td>
<td>101</td>
</tr>
<tr>
<td>Tully, Erin C.</td>
<td>57</td>
</tr>
<tr>
<td>Turner, Jessica</td>
<td>106</td>
</tr>
<tr>
<td>Tyler, William J.</td>
<td>79</td>
</tr>
<tr>
<td>Ulrich, Natalie</td>
<td>61</td>
</tr>
<tr>
<td>Underwood, Amy L.</td>
<td>85</td>
</tr>
<tr>
<td>Upchurch, Brandon</td>
<td>95</td>
</tr>
<tr>
<td>Urry, Heather L.</td>
<td>29, 30</td>
</tr>
<tr>
<td>Uzoije, Ejike R.</td>
<td>112</td>
</tr>
<tr>
<td>Valadez, Emilio A.</td>
<td>62</td>
</tr>
<tr>
<td>Valdés, Mitchell</td>
<td>109</td>
</tr>
<tr>
<td>Valiente, Gina</td>
<td>110</td>
</tr>
<tr>
<td>Valle-Inclan, Fernando</td>
<td>85</td>
</tr>
<tr>
<td>Van Cleave, Treva C.</td>
<td>58</td>
</tr>
<tr>
<td>Van Lieshout, Ryan J.</td>
<td>117</td>
</tr>
<tr>
<td>Vanman, Eric J.</td>
<td>118</td>
</tr>
<tr>
<td>Vanuk, John R.</td>
<td>78</td>
</tr>
<tr>
<td>Vartanian, Lenny R.</td>
<td>118</td>
</tr>
<tr>
<td>Vartanov, Alexander</td>
<td>73</td>
</tr>
<tr>
<td>Venables, Noah C.</td>
<td>42, 70</td>
</tr>
<tr>
<td>Ventura, Carlos</td>
<td>64, 78</td>
</tr>
<tr>
<td>Ventura, Joseph</td>
<td>89</td>
</tr>
<tr>
<td>Ventura-Bort, Carlos</td>
<td>75, 100</td>
</tr>
<tr>
<td>Verbruggen, Frederick</td>
<td>34, 77, 83</td>
</tr>
<tr>
<td>Verhaeghen, Paul</td>
<td>73</td>
</tr>
<tr>
<td>Verona, Edelyn</td>
<td>42, 108</td>
</tr>
<tr>
<td>Versace, Francesco</td>
<td>69, 116</td>
</tr>
<tr>
<td>Vila, Jaime</td>
<td>73, 82</td>
</tr>
<tr>
<td>Villhuendas-González, Erwin R</td>
<td>97</td>
</tr>
<tr>
<td>Vizueta, Nathalie</td>
<td>69</td>
</tr>
<tr>
<td>Volchan, Eliane</td>
<td>73, 81, 82</td>
</tr>
<tr>
<td>Volpert, Hannah I.</td>
<td>67, 68</td>
</tr>
<tr>
<td>Von Gunten, Curtis D.</td>
<td>35, 67</td>
</tr>
<tr>
<td>Vrana, Scott R.</td>
<td>93</td>
</tr>
<tr>
<td>Vujovic, Lara</td>
<td>29</td>
</tr>
<tr>
<td>Wager, Tor D.</td>
<td>29, 115</td>
</tr>
<tr>
<td>Wangelin, Bethany C.</td>
<td>117</td>
</tr>
<tr>
<td>Wanger, Timothy J.</td>
<td>100</td>
</tr>
<tr>
<td>Warlow, Melissa</td>
<td>27</td>
</tr>
<tr>
<td>Warren, Stacie L.</td>
<td>45</td>
</tr>
<tr>
<td>Washington, Jessica R.</td>
<td>84</td>
</tr>
<tr>
<td>Watson, Eric M.</td>
<td>104, 105</td>
</tr>
<tr>
<td>Webb, Andrea K.</td>
<td>99</td>
</tr>
<tr>
<td>Webber, Troy A.</td>
<td>61</td>
</tr>
<tr>
<td>Weinberg, Anna E.F.</td>
<td>38, 42, 61</td>
</tr>
<tr>
<td>Weiner, Katherine</td>
<td>87</td>
</tr>
<tr>
<td>Weiss, Maria</td>
<td>61</td>
</tr>
<tr>
<td>Wessel, Jan R.</td>
<td>34</td>
</tr>
<tr>
<td>Wessing, Ida</td>
<td>91</td>
</tr>
<tr>
<td>West, Robert</td>
<td>57, 98, 113</td>
</tr>
<tr>
<td>Westbury, Chris</td>
<td>106</td>
</tr>
<tr>
<td>Weymar, Mathias</td>
<td>75, 100, 102</td>
</tr>
<tr>
<td>White, Andrew J.</td>
<td>100</td>
</tr>
<tr>
<td>Whitfield, Keith E.</td>
<td>51, 82, 98, 111</td>
</tr>
<tr>
<td>Wienbruch, Christian</td>
<td>86</td>
</tr>
<tr>
<td>Wieser, Matthias J.</td>
<td>63, 102, 103</td>
</tr>
<tr>
<td>Wilker, Friedrich-Wilhelm</td>
<td>95</td>
</tr>
<tr>
<td>Wilkins, Leanne</td>
<td>71, 72</td>
</tr>
<tr>
<td>Williams, DeWayne P.</td>
<td>95</td>
</tr>
<tr>
<td>Williams, Victoria</td>
<td>50</td>
</tr>
<tr>
<td>Willner, Cynthia J.</td>
<td>55</td>
</tr>
<tr>
<td>Willroth, Emily C.</td>
<td>109</td>
</tr>
<tr>
<td>Wills, Justin</td>
<td>108, 109</td>
</tr>
<tr>
<td>Wilson, Craig R.</td>
<td>69, 70</td>
</tr>
<tr>
<td>Wollbrink, Andreas</td>
<td>99</td>
</tr>
<tr>
<td>Woltz, Dan J.</td>
<td>112</td>
</tr>
</tbody>
</table>
Index

Wong, Shaun .............. 114
Wood, Sarah ................ 27
Woodhouse, Susan S....... 91
Woodman, Geoffrey F .... 34,
 ......................................... 99
Wormwood, Jolie ........ 56
Wormwood, Jolie B ...... 80,
 ......................................... 81
Wu, Jia ......................... 43
Wunderlich, Robert .... 99
Wynn, Jonathan K........ 87

Y

Yancey, James R .......... 42,
 ......................................... 70
Yang, Xiao ................... 59
Yee, Cindy M ............. 89
Yee, Claire I ................ 33
Yin, Siyang .................. 80
Young, Tori ................. 72
Younkins, Lindsey B ...... 77

Z

Zabelina, Darya ............ 99
Zald, David H ............... 99
Zambrano-Vazquez, Laura
 ......................................... 46, 78
Zarate, Michael A ......... 101
Zeev-Wolf, Maor .......... 109
Zelano, Christina ......... 65
Zhou, Renlai ................. 82
Zimmer, Hubert .......... 51
Zimmer, Hubert D ......... 74
Zimmerman, Benjamin ... 90
Zisner, Aimee R .......... 93
Zlokazov, Kirill V ....... 112
Zottoli, Tina M .......... 91
Zyma, Igor ................. 116
SCHEDULE-AT-A-GLANCE

Tuesday, September 9, 2014
10:00 a.m.–6:00 p.m., A706, Pre-Conference Workshop #1, THE MINI ERP BOOT CAMP (two-day workshop)

Wednesday, September 10, 2014
8:30 a.m.–4:30 p.m., A706, Pre-Conference Workshop #1, THE MINI ERP BOOT CAMP (continued)
8:30 a.m.–4:30 p.m., A707, Pre-Conference Workshop #2, NIH RESEARCH DOMAIN CRITERIA (RDoC)
9:00 a.m.–5:00 p.m., A703, Pre-Conference Workshop #3, HEART RATE VARIABILITY: MECHANISMS, METHODS AND INTERPRETATION
12:00 noon–5:00 p.m., A705, SPR Board of Directors Meeting
2:30 p.m.–7:30 p.m., Atrium Ballroom Foyer, Registration
5:30 p.m.–7:00 p.m., Atrium Ballroom A, Panel Discussion 1, UNDERGRADUATE-DRIVEN RESEARCH IN PSYCHOPHYSIOLOGY
7:00 p.m.–9:00 p.m., Atrium Ballroom B, Opening Reception, Poster Session I, Exhibits Open
7:00 p.m.–9:00 p.m., Atrium Ballroom B Foyer, Internet Station

Thursday, September 11, 2014
7:15 a.m.–5:00 p.m., Atrium Ballroom Foyer, Registration
8:00 a.m.–8:00 p.m., Atrium Ballroom B Foyer, Internet Station
8:15 a.m.–9:45 a.m., Atrium Ballroom A, Symposium 1.1, WHAT, WHEN, AND HOW: CONTEXTUAL INFLUENCES ON EMOTION REGULATION CHOICES AND SUCCESS
9:45 a.m.–10:15 a.m., Atrium Ballroom B, Refreshment Break
9:45 a.m.–8:00 p.m., Atrium Ballroom B, Exhibits Open
10:15 a.m.–10:30 a.m., Atrium Ballroom A, Welcome and Introductory Remarks, Terry D. Blumenthal, PhD
10:30 a.m.–11:30 a.m., A704, Education and Training Committee Roundtable Discussions (pre-registration required)
1:00 p.m.–2:30 p.m., Atrium Ballroom A, Symposium 2.1, IMPLICATIONS OF A CLOSE RELATIONSHIP PROCESSES AND MECHANISMS FOR EMOTION: A PSYCHOPHYSIOLOGICAL PERSPECTIVE
1:00 p.m.–2:30 p.m., A706, Symposium 2.2, BANISHING THE ‘STOP HOMUNCULUS’ FROM THEORIES OF EXECUTIVE CONTROL
2:30 p.m.–3:00 p.m., Atrium Ballroom B, Refreshment Break
3:00 p.m.–4:30 p.m., A703, Symposium 3.1, THE ROLE OF CONTEXT ON INTERRELATED TOP-DOWN AND BOTTOM-UP AFFECTIVE PROCESSES
3:00 p.m.–4:30 p.m., Atrium Ballroom A, Symposium 3.2, VULNERABILITY MARKERS FOR DEPRESSION AND ANXIETY ACROSS DEVELOPMENT: NEW INSIGHTS FROM ERPS
3:00 p.m.–4:30 p.m., A706, Symposium 3.3, 2014 DIVERSITY ISSUES SYMPOSIUM: PHYSIOLOGICAL MECHANISMS LINKING MINORITY STATUS, STRESS, AND HEALTH
4:30 p.m.–6:00 p.m., A704, SPR Diversity Celebration Reception
5:15 p.m.–6:15 p.m., A705, Editorial Board Meeting
6:00 p.m.–8:00 p.m., Atrium Ballroom B, Poster Session II
8:00 p.m.–10:00 p.m., A704, Early Careers Conversation Hour (pre-registration required)
Friday, September 12, 2014
8:00 A.M.–4:30 P.M., Atrium Ballroom Boyer, Registration
8:00 A.M.–8:00 P.M., Atrium Ballroom Boyer, Internet Station
8:30 A.M.–10:00 A.M., Atrium Ballroom A, Symposium 4.1, AFFECT, COGNITION AND ACTION: CONVERGING EVIDENCE FOR THE INTEGRATION OF AFFECT AND PERFORMANCE MONITORING
8:30 A.M.–10:00 A.M., A706, Symposium 4.2, THE ACTIVE OBSERVER: CONCEPTUAL AND METHODOLOGICAL ISSUES OF EYE MOVEMENTS IN STUDIES OF COGNITION
10:00 A.M.–10:30 A.M., Atrium Ballroom B, Refreshment Break
10:00 A.M.–8:00 P.M., Exhibits Open
10:30 A.M.–11:30 A.M., Atrium Ballroom A, Invited Address, STRESS AS AN ADAPTIVE PROCESS, Hartmut Schächinger, MD
11:30 A.M.–1:00 P.M., Lunch (on your own)
11:30 A.M.–1:00 P.M., A704, Women in Science and Education (WISE) Luncheon (pre-registration required)
1:00 P.M.–3:00 P.M., Atrium Ballroom A, Symposium 5.1, THE PRESENT AS THE PAST’S FUTURE: PAST PRESIDENTS PANEL
3:00 P.M.–3:30 P.M., Atrium Ballroom B, Refreshment Break
3:30 P.M.–5:00 P.M., A706, Symposium 6.2, USING EEG/ERP METHODS TO DISENTANGLE THE IMPACT OF NOVEL EXPERIMENTAL MANIPULATIONS ON ANXIETY-RELATED PROCESSES
5:00 P.M.–6:00 P.M., Atrium Ballroom A, Invited Address, PHYSICAL ACTIVITY EFFECTS ON MIND AND BRAIN, Arthur F. Kramer, PhD
6:00 P.M.–8:00 P.M., Atrium Ballroom B, Poster Session III
10:00 P.M.–12:00 midnight, Student Social (location to be announced)

Saturday, September 13, 2014
8:00 A.M.–8:00 P.M., Atrium Ballroom Boyer, Internet Station
8:30 A.M.–12:30 P.M., Atrium Ballroom Boyer, Registration
8:30 A.M.–10:00 A.M., Atrium Ballroom A, Symposium 7.1, DISTINGUISHING DIMENSIONS OF ANXIETY AT THE NEURAL LEVEL
8:30 A.M.–10:00 A.M., A706, Symposium 7.2, THE PSYCHOPHYSIOLOGY OF SELF-REGULATION FROM INFANCY TO LATE CHILDHOOD
10:00 A.M.–10:30 A.M., Atrium Ballroom B, Refreshment Break
10:30 A.M.–11:30 A.M., Atrium Ballroom A, Early Career Award Address, FROM SENSORY PROCESSES TO CONSCIOUS PERCEPTION: INSIGHTS FROM MULTIMODAL INVESTIGATIONS OF THE ATTENTIONAL BLINK, Heleen A. Slagter, PhD
11:00 A.M.–12:00 noon, Atrium Ballroom A, Presidential Address, INFORMATION PROCESSING AND PREPULSE INHIBITION OF STARTLE: 40 YEARS OF RESEARCH IN THE FIRST 200 MILLISECONDS, Terry D. Blumenfeld, PhD
12:15 P.M.–2:15 P.M., Marquis Ballroom B, SPR Business Meeting and Luncheon (pre-registration required)
2:15 P.M.–7:00 P.M., Free Afternoon to Enjoy Atlanta
7:00 P.M.–9:00 P.M., Atrium Ballroom B, Poster Session IV
9:00 P.M.–12:00 midnight, Atrium Ballroom A, Satturday Night Social and Announcement of Student Poster Awards – All attendees are welcome!

Sunday, September 14, 2014
8:00 A.M.–10:30 A.M., A704, Farewell Breakfast – All attendees are welcome!
9:00 A.M.–1:00 P.M., Room A705, Board of Directors Meeting