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Founded in 1960, the Society for Psychophysiological Research is an international scientific society with worldwide membership. The purpose of the Society is to foster research on the interrelationships between the physiological and psychological aspects of behavior. To promote this purpose, the Society publishes scientific literature, including the journal, *Psychophysiology*, and holds annual meetings for presentation and discussion of original theory and research, instrumentation and methodology, and new directions and standards in the field.

**Program Committee (2015–2016)**
Sarah Laszlo, Binghamton University (Program Chair)
Christine Larson, University of Wisconsin-Milwaukee (2015 Program Committee Chair)
Markus Ullsperger, Donders Institute (2017 Program Committee Chair)
Marta Andreatta, University of Würzburg
Gabriele Gratton, University of Illinois-Urbana Champaign
Michelle Leckey, University of Illinois-Urbana Champaign
Charlene Lee, National Taiwan University
Yousri Marzouki, Aix-Marseille University
Stephanie Massol, University of Nimes
Kyle Mathewson, University of Alberta
Laura Matzen, Sandia National Laboratories
Vladimir Miskovic, Binghamton University
Kara Morgan-Short, University of Illinois-Chicago
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Tamara Swaab, University of California-Davis
Janet Van Hell, Pennsylvania State University
Marta Vergara-Martinez, University of Valencia
Eddie Wlotko, Tufts University
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Curtin University

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University of California, Los Angeles

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Northeastern University

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University of Missouri

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Virginia Commonwealth University

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Bruce Friedman
Johannes Hewig
University of Würzburg (2013–2016)
Christine Larson
Gregory A. Miller
University of California, Los Angeles (2015–2018)
Harald Schupp
Michelle Shiota

§ Sarah Sass
University of Texas at Tyler
(Committee to Promote Student Interests; 2014–2017)

§ Ex-Officio Member
Editor, *Psychophysiology*
Monica Fabiani
University of Illinois at Urbana-Champaign (2015–2019)

**SPR Office**
Susan Rees, Executive Director
Ashley Alba, Volunteer Initiatives Coordinator
Robert Winters, Membership/Registration Manager
Jane Shepard, Meeting Planner

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**Archives Committee**
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Ursula Hess
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**Committee to Promote Student Interests**
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University of Texas at Tyler (2014–2017)

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John Curtin
University of Wisconsin–Madison (2012–2016)
Harald Schupp

**Distinguished Contributions to Psychophysiology Award Committee**
Ottmar Lipp
Curtin University (2015–2016)

**Early Career Award Committee**
Robert Levenson
University of California, Berkeley (2014–2017)

**Education and Training Committee**
Jason Moser

**Ethical Principles Committee**
W. Keith Berg
University of Florida (2014–2017)

**Finance Committee**
Scott R. Vrana
Virginia Commonwealth University (2013–2016)
**Membership Committee**
Nicole Roberts
Arizona State University (2014–2017)

**Nominating Committee**
Terry Blumenthal
Wake Forest University (2015–2016)

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

**Program Committee**
Sarah Laszlo
Binghamton University (2015–2016)

**Public Relations Committee**
Michelle Shiota
Arizona State University (2014–2017)

**Publication Committee**
Gregory A. Miller
University of California, Los Angeles (2015–2018)

**Student Poster Award Committee**
Karen S. Quigley
Northeastern University (2015–2016)

**Women in Science and Education (WISE) Committee**
Erin Hazlett
Mount Sinai School of Medicine (2014–2017)

**Ad Hoc Committees**

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

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

**Liaison to FABBS**
Frances Gabbay
Uniformed Services University of Health Sciences
PAST OFFICERS

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
Terry D. Blumenthal 2013–14
Karen S. Quigley 2014–15

Past Secretary-Treasurers

Albert F. Ax 1960–62
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
Cindy Yee Bradbury 2011–14

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>Name</th>
<th>Years</th>
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<tbody>
<tr>
<td>Albert F. Ax</td>
<td>1964–73</td>
</tr>
<tr>
<td>William F. Prokasy</td>
<td>1974–77</td>
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<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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<tr>
<td>Margaret M. Bradley</td>
<td>2003–05</td>
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<tr>
<td>Robert F. Simons</td>
<td>2006–14</td>
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### AWARDS FOR DISTINGUISHED CONTRIBUTIONS TO PSYCHOPHYSIOLOGY

<table>
<thead>
<tr>
<th>Name</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>
<td>1969</td>
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<td>Marion A. Wenger</td>
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<td>John I. Lacey</td>
<td>1970</td>
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<td>Albert F. Ax</td>
<td>1973</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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<tr>
<td>Frances K. Graham</td>
<td>1981</td>
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<td>Donald B. Lindsley</td>
<td>1984</td>
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<tr>
<td>Paul A. Obrist</td>
<td>1985</td>
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<tr>
<td>Peter H. Venables</td>
<td>1987</td>
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<td>David Shapiro</td>
<td>1988</td>
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<td>E.N. Sokolov</td>
<td>1988</td>
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<tr>
<td>Peter J. Lang</td>
<td>1990</td>
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<td>John Stern</td>
<td>1993</td>
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<td>Emanuel Donchin</td>
<td>1994</td>
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<td>Risto Näätänen</td>
<td>1995</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>
<td>2000</td>
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<td>Arne Öhman</td>
<td>2001</td>
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<td>Michael G.H. Coles</td>
<td>2002</td>
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<td>Robert M. Stern</td>
<td>2004</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>
<td>2008</td>
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<td>Niels Birbaumer</td>
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<td>Judith M. Ford</td>
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<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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<tr>
<td>J. Richard Jennings</td>
<td>2014</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
Matthias Wieser 2015
Sharna Jamadar 2016
Jan R. Wessel 2016
2015–2016 FUND CONTRIBUTORS
(Contributions Received by May 25, 2016)

John Allen  Robert Levenson
Bruce Bartholow  Natalia Levpak
Gary Berntson  Anke Limberg
Kaitlyn Biehler  Katja Lindner
Gordon Binsted  Ottmar Lipp
Margaret Bradley  Regina Machinskaya
Mary Burleson  Frances Martin
Rebecca Compton  Hiroaki Masaki
Seana Coulson  Rocco Mennella
Emily Cunningham  Gregory Miller
Bernhard Dahme  Erik Mueller
Kaci Davis  Ewald Naumann
Emilie Dessy  Brittni Novak
Angelika Dierolf  Elizabeth Page-Gould
Raoul Dieterich  Georgia Panayiotou
Emanuel Donchin  Christian Panitz
Monica Fabiani  Eleonora Poli
Veronica Fallon  Megan Puzia
Diane Filion  Karen Quigley
Judith Ford  Philipp Reicherts
Dan Foti  Anja Riesel
Xiaoxue Fu  Brigitte Rockstroh
David Gilbert  Emma Rodero
Andrés Antonio González-Garrido  Johannes Rodrigues
Klaus Gramann  Hartmut Schaeckinger
Steven Hackley  Brandon Schmeichel
Roy Halliday  Harald Schupp
Alfons Hamm  Christopher Sege
Erin Hazlett  Danesh Shahnazian
Wendy Heller  Stewart Shankman
David Herring  Amitai Shenhav
Ursula Hess  Robert Simons
Johannes Hewig  Stephanie Smith
Michael Inzlicht  Rebecca Todd
Elizabeth Callicott Jagoe  Natalie Ulrich
C. Kit Kaiser  Rob Van der Lubbe
Frini Karayanidis  Francesco Versace
Andreas Keil  Jaime Vila
Johanna Kissler  Ethan Vought
Peter Klaver  Sara Waters
Peter Kotani  Julian Wiemer
Peter Lang  Matthias Wieser
Christine Larson  Mirek Wyczesany
Sarah Laszlo  Xiao Yang
Echo Leaver  Cindy Yee-Bradbury
Registration

Registration will be held in the Atrium at the Marriott City Center Hotel (see map on page 20) during the following hours:

- Wednesday, September 21: 2:30 p.m.–7:30 p.m.
- Thursday, September 22: 7:00 a.m.–5:00 p.m.
- Friday, September 23: 7:30 a.m.–5:00 p.m.
- Saturday, September 24: 8:00 a.m.–12:30 p.m.

Poster Sessions

Poster sessions will be held in Ballroom 3 (Lobby Level) at the Marriott City Center Hotel. All posters must be removed during the designated dismantle time for each session. The schedule for poster presentation assembly and dismantling is as follows:

Wednesday, September 21

Poster Session I

- 5:30 p.m.–6:30 p.m. Posters Assembled
- 6:30 p.m.–8:30 p.m. Authors Present for Discussion and Questions
- 8:30 p.m.–9:30 p.m. Dismantle Posters

Thursday, September 22

Poster Session II

- 7:45 a.m.–9:45 a.m. Posters Assembled
- 9:45 a.m.–6:30 p.m. Posters Available for Viewing
- 6:30 p.m.–8:30 p.m. Authors Present for Discussion and Questions
- 8:30 p.m.–9:30 p.m. Dismantle Posters

Friday, September 23

Poster Session III

- 8:00 a.m.–10:00 a.m. Posters Assembled
- 10:00 a.m.–6:30 p.m. Posters Available for Viewing
- 6:30 p.m.–8:30 p.m. Authors Present for Discussion and Questions
- 8:30 p.m.–9:30 p.m. Dismantle Posters
Saturday, September 24

Poster Session IV

8:00 a.m. – 10:00 a.m. Posters Assembled
10:00 a.m. – 3:30 p.m. Posters Available for Viewing
3:30 p.m. – 5:30 p.m. Authors Present for Discussion and Questions
5:30 p.m. – 6:30 p.m. Dismantle Posters

Announcements

You are invited to use the bulletin board located in the Atrium to post the following information:

- Employment Opportunities
- Announcements of Social Activities
- Special Interest Lunches or Dinners

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

Mobile App

Download the SPR mobile app from the iTunes Store or Google Play–search for SPR 2016. Access the program, abstracts, and more! Plan to download the app before you travel to the meeting site. Please be aware of any additional data charges otherwise.

Publication of Abstracts

Abstracts of papers presented in the symposia and poster sessions are published online in the September 2016 supplement volume of Psychophysiology. Check the SPR website for the link.

COMMITTEE MEETINGS

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

Board of Directors

President: Ottmar Lipp (Ottmar.Lipp@Curtin.edu.au)
Wednesday, September 21, 12:00 noon – 5:00 p.m.
Sunday, September 25, 9:00 a.m. – 12:30 p.m.
St. Croix 1 (6th Floor)
Finance Committee
Chair: Scott Vrana (srvrana@vcu.edu)
Thursday, September 22, 8:00 a.m.—9:00 a.m.
Lake Nokomis (8th Floor)

Chairs of Membership Enhancement Committees
Chair: Bruce D. Bartholow (bartholowb@missouri.edu)
Thursday, September 22, 8:00 a.m.—9:15 a.m. (Breakfast)
Cedar Lake (Lobby Level)

2016 Program Committee
Chair: Sarah Laszlo (slaszlo@binghamton.edu)
Thursday, September 22, 12:00 noon-1:30 p.m. (Lunch)
Meet in the Marriott City Center Hotel lobby at 12:00 noon

Committee on Women in Psychophysiology
Chair: Erin Hazlett (erin.hazlett@mssm.edu)
Saturday, September 22, 12:00 noon-1:30 p.m. (Lunch)
Meet in the Marriott City Center Hotel lobby at 12:00 noon

The Psychophysiology Board of Associate Editors
Chair: Monica Fabiani (mfabiani@illinois.edu)
Thursday, September 22, 5:30 p.m.—6:30 p.m.
Lafayette (8th Floor)

Diversity Committee
Chair: Wendy Heller (heller.w@gmail.com) and Michelle Shiota (lani.shiota@asu.edu)
Thursday, September 22, 6:30 p.m.—7:30 p.m.
Pine Lake (Lobby Level)

Past Presidents’ Dinner
Immediate Past-President: Karen Quigley (k.quigley@neu.edu)
Thursday, September 22, 8:30 p.m. (Dinner)
Meet in the Marriott City Center Hotel lobby at 8:00 p.m.

Education and Training Committee
Chair: Jason Moser (jamomsu@icloud.com)
Friday, September 23, 12:00 noon-1:30 p.m.
Meet in the Marriott City Center Hotel lobby at 12:00 noon
2017 Program Committee
Chair: Markus Ullsperger (markus.ullsperger@ovgu.de)
Friday, September 23, 12:00 noon-1:30 p.m. (Lunch)
Meet in the Marriott City Center Hotel lobby at 12:00 noon

Committee to Promote Student Interests
Chair: Sarah Sass (ssass@uttyler.edu)
Friday, September 23, 8:00 p.m.—10:00 p.m.
Lake Nokomis (8th Floor)

Public Relations Committee
Chair: Michelle Shiota (lani.shiota@asu.edu)
Friday, September 23, 6:30 p.m.—7:30 p.m.
Pine Lake (Lobby Level)
SPECIAL INTEREST BREAKFASTS,
LUNCHEONS, AND DINNERS

As in previous years, small group breakfasts, 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 located next to the SPR Registration Desk.

NEW TO SPR?
If you are a student or a new member and this is your first time at an SPR Annual Meeting, 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, including student opportunities (e.g., student travel awards and the student social). We hope you enjoy the meeting!

EDUCATION AND TRAINING COMMITTEE
ROUNDTABLE DISCUSSIONS
12:00 noon-1:30 p.m.
Thursday, September 22
St. Croix 1 (6th Floor)
RSVP by Monday, August 22

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@sprweb.org. For questions about a particular roundtable, please contact Jason Moser at jamomsu@icloud.com. Attendance is limited to 8 people at each roundtable. Confirm your attendance by Monday, August 22. (Registration for this event is on a first-come, first-served basis.)

- Psychophysiology and the RDoC Framework
  Chris Patrick & Greg Hajcak
- Utility of Psychophysiological Measures as Endophenotypes
  Bill Iacono & Steve Malon
- Teaching Psychophysiology/Psychophysiology at Primarily Undergraduate Institutions
  Becky Compton & Howard Thorsheim
- Inducing Emotion in the Psychophysiology Lab
  Karen Quigley & Jolie Wormwood
- New Directions in CV Reactivity Research
  Annie Ginty & Mustafa al’Absi
- The Error-Related Negativity (ERN): Theory, Measurement and Individual Differences
  Jason Moser & Anna Weinberg

**SPR DIVERSITY CELEBRATION RECEPTION**
5:00 p.m.—6:30 p.m.
Thursday, September 22
St. Croix (6th Floor)
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 reception offers opportunities for networking and community-building, and for SPR members to share their support and encouragement. We hope you can attend!

**EARLY CAREERS CONVERSATION HOUR**
12:00 noon-1:30 p.m.
Thursday, September 22
Gray’s Bay (8th Floor)
RSVP by August 22

Don’t miss this opportunity to discuss early career issues with some of SPR’s leading scientists! The focus of this year’s discussion is: “Surviving and Thriving as a Psychophysiology Graduate Student.” The first hour will be a panel discussion, followed by a breakout into small groups. A light lunch will be included. To register, please check the appropriate box on the SPR registration form. For questions about this event, please contact Philip Gable at pagable@gmail.com. Confirm your attendance by August 22. (Registration for this event is on a first come, first serve basis.)

**WOMEN IN SCIENCE AND EDUCATION (WISE) LUNCHEON**
Speaker and Panel Discussion: Mentorship: The Art of Balancing Self and Others
12:00 noon-1:30 p.m.
Friday, September 23
St. Croix (Sixth Floor)
RSVP by August 22
Please join WISE for a discussion of the art and science of effective mentoring. Panelists include former mentor-mentee pairs who will share their experience and advice for developing successful mentoring relationships. The discussion will include both the perspective of the mentor and the protégé and will touch on points such as how to seek out valuable mentorship, the features of effective mentorship, how to develop effective mentoring skills, and how effective mentoring can reward both the mentor and mentee. The panel consists of three mentor-mentee pairs (Kara Federmeier + Sarah Laszlo, John Allen + Laura Zambrano-Vasquez, Greg Miller + Cindy Yee-Bradbury), eager to share their experience and ideas with the audience. So, join us and take advantage of the opportunity to ask questions and learn!

The luncheon and panel discussion are inclusive and open to all, irrespective of gender or career level. Please direct questions about the event to Natalie Ulrich (natalie.ulrich@psychologie.uni-wuerzburg.de). To register, please check the appropriate box on the SPR registration form or directly contact the SPR Registrar via email at spr@sprweb.org. Confirm your attendance by Monday, August 22. (Registration for this event is on a first come, first-served basis).

**GENERAL BUSINESS MEETING AND LUNCHEON**

1:15 p.m.–3:15 p.m.  
Saturday, September 24  
Ballroom 1 (Lobby Level)

Join the SPR Board of Directors and fellow SPR attendees at the Annual Business Meeting and Luncheon. Preregistration 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@sprweb.org. Students receive complimentary tickets to the Luncheon if registered by August 22. Confirm your attendance by Monday, August 22!

**INTERNET STATION**

An Internet station will be available for all attendees to use at the following times in the Atrium:

- **Wednesday, September 21**: 6:30 p.m.–9:00 p.m.  
- **Thursday, September 22**: 8:00 a.m.–8:00 p.m.  
- **Friday, September 23**: 8:00 a.m.–8:00 p.m.  
- **Saturday, September 24**: 8:00 a.m.–8:00 p.m.

Basic wireless internet will be available in the meeting space, but the strength of the bandwidth cannot be guaranteed.
**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 in the Lake Harriet (8th Floor).

Open hours:

- **Wednesday, September 21**: 5:00 p.m. – 9:00 p.m.
- **Thursday, September 22**: 7:00 a.m. – 6:00 p.m.
- **Friday, September 23**: 7:00 a.m. – 6:00 p.m.
- **Saturday, September 24**: 7:00 a.m. – 11:00 a.m.

**FUTURE ANNUAL MEETINGS**

*57th SPR Annual Meeting*

October 11-15, 2017

The Hofburg

Vienna, Austria

**EXHIBITORS**

Take time while you are at the SPR meeting to visit the exhibit area in Ballroom 3. 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**

- **Wednesday, September 21**: 6:30 p.m. – 8:30 p.m.
- **Thursday, September 22**: 9:30 a.m. – 8:00 p.m.
- **Friday, September 23**: 9:00 a.m. – 8:00 p.m.
PROGRAM
Tuesday, September 20, 2016

10:00 a.m.—6:00 p.m.
(separate registration fee required)
Deer Lake (Lobby Level)

Pre-Conference Workshop #1
ERP MINI-BOOT CAMP
Steven J. Luck

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 21, 2016

8:30 a.m.—4:30 p.m.
Deer Lake (Lobby Level)

Pre-Conference Workshop #1 (continued)
ERP MINI-BOOT CAMP

TIME-FREQUENCY DECOMPOSITION: METHODS AND CHALLENGES
Michael X. Cohen

Have you ever wondered how to make those pretty-colored time-frequency plots, with those captivating red and blue blobs that editors at high-ranking journals seem to get so excited about? Then come to this
workshop and find out! We will start with the basics of time-frequency analyses and work through the math and Matlab-implementation of time-frequency power with baseline normalization. There is no prerequisite knowledge, but some familiarity with EEG/MEG/LFP and basic understanding of Matlab programming will certainly be useful. You will need only a computer with Matlab or Octave – no other toolboxes are necessary – and all the material you’ll need will be provided to you (via web download). The result of the day-long workshop will be your ability to produce time-frequency power and phase plots from any neural time series dataset with a repeated trial structure.

9:00 a.m. – 5:00 p.m.  
(separate registration fee required)  
Minnesota (6th Floor)  

Pre-Conference Workshop #3  
MULTILEVEL MODELING  
Jennifer Krull

Multilevel modeling (MLM) is a statistical analysis used to analyze datasets where cases are not independent (e.g., repeated measures), as is commonly the format in which psychophysiological data is recorded. Moreover, MLM is a flexible analysis that can be learned once and readily adapted to most psychophysiological designs. Especially for researchers who are used to working with within-subjects ANOVA, MLM offers an improved method for harnessing the statistical power of within-subjects designs and can easily incorporate continuous predictors. This workshop will provide a practical introduction to MLM for unordered and ordered repeated measures data, including advanced topics like non-normal outcomes, three-level and cross-classified models, mediation, calculation of effect sizes, and creation subject-specific reactivity measures. Workshop materials will include example data and syntax for SPSS, R, and SAS. The goal is for you to leave the workshop with the conceptual and pragmatic knowledge you need to immediately begin analyzing psychophysiological data with MLM.

12:00 noon–5:00 p.m.  
St. Croix 1 (6th Floor)  

Board of Directors Meeting
2:30 p.m.–7:30 p.m.  
Atrium

**Registration**

5:00 p.m.–9:00 p.m.  
Lake Harriet (8th Floor)

**Speaker Ready Room**

6:30 p.m.–8:30 p.m.  
Ballroom 3 (Lobby Level)

**Opening Reception and Poster Session I**  
**Exhibits Open**

6:30 p.m.–9:00 p.m.  
Atrium

**Internet Station**

Thursday, September 22, 2016

7:00 a.m. — 5:00 p.m.
Atrium

Registration

7:00 a.m. — 6:00 p.m.
Lake Harriet (8th Floor)

Speaker Ready Room

8:00 a.m. — 9:00 a.m.
Lake Nokomis (8th Floor)

Finance Committee Meeting

8:00 a.m. — 9:15 a.m.
Cedar Lake (Lobby Level)

Chairs of Membership Enhancement Committees Meeting

8:00 a.m. — 8:00 p.m.
Atrium

Internet Station
8:30 a.m.–10:00 a.m.
Minnesota (6th Floor)

Symposium 1.1

LABORATORY TO LIFE: LINKING BRAIN RESPONSES TO PROBLEMS OF REAL WORLD FUNCTIONING IN SCHIZOPHRENIA

Chair: Scott R. Sponheim
Minneapolis VA Health Care System; University of Minnesota

CEREBELLAR FUNCTION IN SCHIZOPHRENIA: NEURAL, COGNITIVE, AND CLINICAL CORRELATES

William P. Hetrick1, Jerillyn S. Kent2, Dae-Jin Kim1, Amanda R. Bolbecker1, Sharlene D. Newman1, & Brian F. O’Donnell1
1Indiana University Bloomington, 2Minneapolis VA Health Care System

MISMATCH NEGATIVITY BUT NOT P300 ABNORMALITIES ARE ASSOCIATED WITH ROLE FUNCTIONING IN SCHIZOPHRENIA

Holly K. Hamilton1, Veronica B. Perez2, Judith M. Ford1, Brian J. Roach1, Judith Jaeger3, & Daniel H. Mathalon1
1San Francisco VA Health Care System & University of California, San Francisco, 2California School of Professional Psychology, 3Albert Einstein College of Medicine

EVENT-RELATED POTENTIALS DEMONSTRATE DEFICITS IN ACOUSTIC SEGMENTATION IN SCHIZOPHRENIA

Dean F. Salisbury, Sarah M. Haigh, Timothy K. Murphy, Kayla Ward, & Brian A. Coffman
Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine

NEURAL DEFICITS DURING VIGILANCE IN SCHIZOPHRENIA: DISORDER SPECIFIC AS COMPARED TO GENERAL PREDICTORS OF SYMPTOMS, COGNITION, AND FUNCTIONING

Scott R. Sponheim, Timothy Lano, & Seung Suk Kang
Minneapolis VA Health Care System & University of Minnesota
PSYCHOSOCIAL STRESS IMPAIRS WORKING MEMORY PERFORMANCE IN PATIENTS WITH SCHIZOPHRENIA

Jessica I. Lake¹, Peter E. Clayson¹, Holly K. Hamilton², Alexandra C. Reed¹, Peter Bachman³, Lee J. Jasperse¹, Gregory A. Miller¹, Kenneth L. Subotnik¹, Joseph Ventura¹, Keith H. Nuechterlein¹, & Cindy M. Yee¹
¹University of California, Los Angeles, ²University of California, San Francisco, ³University of Pittsburgh

8:30 a.m.—10:00 a.m.
Deer Lake (Lobby Level)

Symposium 1.2

GETTING PAST THE NEGATIVITY: BUILDING A MECHANISTIC NEURAL MODEL OF COGNITIVE CONTROL
Chair: Jan R. Wessel
University of Iowa

ASSOCIATIONS AND DISSOCIATIONS OF ERROR-RELATED BRAIN POTENTIALS AND POST-ERROR SLOWING
Markus Ullsperger¹, Claudia Danielmeier², Tilmann Klein³, & Adrian G. Fischer¹
¹Otto-von-Guericke University Magdeburg, ²University of Nottingham, ³Max Planck Institute

A NEURAL MECHANISM FOR MOTOR INHIBITION AFTER ERRORS, SURPRISE, AND DURING CONFLICT
Jan R. Wessel
University of Iowa

ERROR DETECTION AND THE ADJUSTMENT OF ATTENTION IN FRONTO-CINGULATE CORTEX OF MACAQUES
Thilo Womelsdorf
York University

THE ROLE OF THE DORSAL CINGULATE IN FEEDBACK-BASED ADAPTIVE BEHAVIOUR
Robert Hester
University of Melbourne
Symposium 1.3

RECENT ADVANCES IN TRANSCUTANEOUS VAGAL NERVE STIMULATION RESEARCH
   Chair: Bart Verkuil
   Leiden University

THE EFFECTS OF TRANSCUTANEOUS VAGUS NERVE STIMULATION ON CONDITIONED FEAR EXTINCTION IN HUMANS
   Andreas Burger¹, Bart Verkuil¹, Ilse van Diest²,
   Willem van der Does¹, Julian Thayer³, & Jos
   Brosschot¹
   ¹Leiden University, ²Katholieke Universiteit Leuven,
   ³The Ohio State University

MIXED EVIDENCE FOR THE POTENTIAL OF TRANSCUTANEOUS VAGAL NERVE STIMULATION TO IMPROVE THE RETENTION OF EXTINCTION
   Ilse van Diest¹, Andreas Burger², Bart Verkuil², Holly
   Fenlon³, Lise Thijs³, Lisse Cools³, Lisse van
   Duppen³, Bram Vervliet⁴, & Holly Miller³
   ¹Katholieke Universiteit Leuven, ²Leiden University,
   ³KU Leuven, ⁴Harvard Medical School

TRANSCUTANEOUS VAGUS NERVE STIMULATION AND EXTINCTION LEARNING AFTER CONTEXTUAL FEAR CONDITIONING IN VIRTUAL REALITY
   Hannah Genheimer, Marta Andreatta, Esther Asan,
   & Paul Pauli
   University of Würzburg

COGNITIVE FLEXIBILITY: THE EFFECTS OF TRANSCUTANEOUS VAGUS NERVE STIMULATION AND STRESS
   Klodiana-Daphne Tona, Hans Revers, Bart Verkuil, & Sander Nieuwenhuis
   Leiden University
9:30 a.m.–8:00 p.m.
Ballroom 3 (Lobby Level)

Exhibits Open

10:00 a.m.–10:30 a.m.
Ballroom 3 (Lobby Level)

Refreshment Break

10:30 a.m.–12:00 noon
Ballroom 1 (Lobby Level)

Symposium 2.1

THE PRESENT AS THE PAST’S FUTURE: EARLY CAREER AWARD WINNERS, WHERE ARE THEY NOW?

Chair: Kara D. Federmeier
University of Illinois, Urbana-Champaign

CONFLICT AND COGNITIVE CONTROL: NEW INSIGHTS AND FUTURE CHALLENGES
Bruce D. Bartholow
University of Missouri

RESPIRATION AND ASSOCIATIVE LEARNING AS MODULATORS OF INTEROCEPTION: AN UPDATE
Ilse Van Diest
KU Leuven

THINKING BACK ON “THINKING AHEAD”: AN AGING PERSPECTIVE ON LANGUAGE COMPREHENSION
Kara D. Federmeier
University of Illinois, Urbana-Champaign

10:30 a.m.–12:00 noon
Deer Lake (Lobby Level)

Symposium 2.2

DOING IT RIGHT: NEURAL CORRELATES OF ACTION PREPARATION, PERFORMANCE MONITORING, AND LEARNING

Chairs: Philip A. Gable\textsuperscript{1} and Matthew W. Miller\textsuperscript{2}
\textsuperscript{1}University of Alabama, \textsuperscript{2}Auburn University
FROM PREPARATION TO PERFORMANCE: APPROACH MOTIVATION IMPACTS THE GAMUT OF GOAL PURSUIT
Hunter Threadgill, & Philip A. Gable
University of Alabama

LEARNING RELATED CHANGES IN THE REWARD POSITIVITY
Olav Krigolson
University of Victoria

THE EFFECTS OF AUTONOMY DURING PRACTICE ON FEEDBACK PROCESSING AND MOTOR LEARNING
Matthew W. Miller and Kirk Grand
Auburn University

REVERSAL LEARNING: PARSING STAGES OF FEEDBACK PROCESSING AND INDIVIDUAL DIFFERENCES
Dan Foti, Belel Oumeziane, & Sebastien Hélie
Purdue University

10:30 a.m. – 12:00 noon
Minnesota (6th Floor)

Symposium 2.3

BIOMARKERS OF ANXIETY RISK FROM INFANCY TO ADULTHOOD
Chair: Antonia Kaczurkin
University of Pennsylvania
Discussant: John J.B. Allen
University of Arizona

INFANT EEG COHERENCE PREDICTS PRESCHOOL ANXIETY
Martha Ann Bell¹, Anjolii Diaz², & Cynthia Smith¹
¹Virginia Tech, ²Ball State University

NEUROBIOLOGICAL BASES AND MARKERS OF EARLY-LIFE ANXIETY
Alexander Shackman
University of Maryland
NEURAL REACTIVITY TO MISTAKES AND TEMPERAMENTAL FEARFULNESS PROSPECTIVELY PREDICT THE IMPACT OF HURRICANE SANDY STRESSORS ON INTERNALIZING SYMPTOMS IN CHILDREN

Alexandria Meyer\textsuperscript{1}, Greg Hajcak\textsuperscript{2}, Carla Danielson\textsuperscript{3}, & Daniel N. Klein\textsuperscript{2}

\textsuperscript{1}Florida State University, \textsuperscript{2}Stony Brook University, \textsuperscript{3}Medical University of South Carolina

SEX DIFFERENCES IN TRAIT ANXIETY DURING ADOLESCENCE IS MEDIATED BY ELEVATED AMYGDALA PERFUSION

Antonia Kaczkurkin\textsuperscript{1}, Tyler Moore\textsuperscript{1}, Kosha Ruparel\textsuperscript{1}, Russell Shinoara\textsuperscript{1}, Monica Calkins\textsuperscript{1}, Mark Elliott\textsuperscript{1}, Ryan Hopson\textsuperscript{1}, David Roalf\textsuperscript{1}, Rastko Ciric\textsuperscript{1}, Simon Vandekar\textsuperscript{1}, Efthathios Gennatas\textsuperscript{1}, Daniel Wolf\textsuperscript{1}, J. Cobb Scott\textsuperscript{1}, Daniel Pine\textsuperscript{2}, Ellen Leibenluft\textsuperscript{2}, John Detre\textsuperscript{1}, Edna Fo\textsuperscript{1}, Raquel Gur\textsuperscript{1}, Ruben Gur\textsuperscript{1}, & Theodore Satterwaite\textsuperscript{1}

\textsuperscript{1}University of Pennsylvania, \textsuperscript{2}National Institute of Mental Health

PSYCHOPHYSIOLOGICAL INVESTIGATION OF MUSCLE TENSION AS A BIOMARKER OF GENERALIZED ANXIETY DISORDER

Danielle Mathersul, Ayelet Ruscio, & Adrian Raine

University of Pennsylvania

12:00 noon–1:30 p.m.

\textit{Lunch Break} (on your own)

12:00 noon–1:30 p.m.

2016 Program Committee Meeting

Meet in the Marriott City Center Hotel lobby at 12:00 noon

12:00 noon–1:30 p.m.

Committee on Women in Psychophysiology Meeting

Meet in the Marriott City Center Hotel lobby at 12:00 noon

12:00 noon–1:30 p.m.

St. Croix 1 (6\textsuperscript{th} Floor)

Education and Training Committee Roundtable Discussions

(pre-registration required)
12:00 noon–1:30 p.m.
Gray’s Bay (8th Floor)

**Early Careers Conversation Hour**
(all students welcome!)

1:30 p.m.—1:45 p.m.
Ballroom 1 (Lobby Level)

**Welcome Remarks**

Ottmar V. Lipp, PhD, FASSA, FAPS
SPR President

1:45 p.m.—2:45 p.m.
Ballroom 1 (Lobby Level)

**Invited Address**

TEMPORAL EXPECTATIONS IN THE HUMAN BRAIN

Kia A. Nobre, FBA, MAE
Director, Oxford Centre for Human Brain Activity (OHBA); Chair, Translational Cognitive Neuroscience, Departments of Psychiatry and Experimental Psychology; Professorial Fellow, St. Catherine’s College, University of Oxford; and Adjunct Professor, Northwestern University, Chicago, IL

Introduction: Markus Ullsperger

2:45 p.m.—3:15 p.m.
Ballroom 3 (Lobby Level)

**Refreshment Break**

3:15 p.m.—4:45 p.m.
Minneapolis (6th Floor)

DIVERSITY SYMPOSIUM: PSYCHOPHYSIOLOGY IN RESEARCH ON STEREOTYPE THREAT AND INTERGROUP DYNAMICS

Michael Inzlicht¹, & Neha John-Henderson²
¹University of Toronto, ²Montana State University

3:15 p.m.—4:45 p.m.
Ballroom 1 (Lobby Level)

**Symposium 3.1**

PSYCHOMETRIC CHALLENGES FOR PSYCHOPHYSIOLOGY IN THE AGE OF RDOC

**Chair:** Jesse T. Kaye

**University of Wisconsin - Madison**

**Discussant:** Uma Vaidyanathan

**National Institute of Mental Health**
PSYCHOMETRIC PROPERTIES AND INTER-TASK/MEASURE RELATIONSHIPS OF STARTLE AND CORRUGATOR RESPONSE IN NPU, AFFECTIVE PICTURE VIEWING, AND RESTING STATE TASKS
Jesse T. Kaye, Daniel E. Bradford, & John J. Curtin
University of Wisconsin - Madison

PSYCHOMETRIC AND TASK PROPERTIES OF STARTLE AND EVENT-RELATED POTENTIAL MEASURES OF SENSITIVITY TO PREDICTABLE AND UNPREDICTABLE THREAT
Brady D. Nelson and Greg Hajcak
Stony Brook University

SIGNAL VERSUS NOISE IN THE NOISE-PROBE P3 SIGNAL
Christopher J. Patrick, Emily R. Perkins, James R. Yancey, Laura Drislane, & Noah C. Venables
Florida State University

USING PSYCHOMETRICS TO OPTIMIZE TASKS FOR INDIVIDUAL DIFFERENCES RESEARCH
Greg Hajcak1, Alexandria Meyer2, & Roman Kotov1
1Stony Brook University, 2Florida State University

3:15 p.m.–4:45 p.m.
Deer Lake (Lobby Level)

Symposium 3.2

PSYCHOPHYSIOLOGICAL EVIDENCE ON THE SIGNIFICANT AND INTERDEPENDENT RELATIONSHIP BETWEEN HEALTH BEHAVIORS AND COGNITIVE FUNCTIONING
Chair: Kaylie Carbine
Brigham Young University

EXAMINING FOOD-RELATED INHIBITORY CONTROL: NEURAL ELECTROPHYSIOLOGICAL RESPONSES TO FOOD STIMULI PREDICT CALORIC INTAKE
Kaylie Carbine, Edward Christensen, James D. LeCheminant, Bruce W. Bailey, Larry A. Tucker, and Michael J. Larson
Brigham Young University
THE NEUROPROTECTIVE EFFECTS OF EXERCISE WITH INCREASED RISK FOR ALZHEIMER’S DISEASE
J. Carson Smith
University of Maryland

COMBINING AEROBIC EXERCISE AND FOCUSED-ATTENTION MEDITATION TO TARGET COGNITIVE CONTROL PROCESSES IN MAJOR DEPRESSIVE DISORDER
Brandon L. Alderman, Ryan L. Olson, Christopher J. Brush, Peter J. Ehmann, & Tracey J. Shors
Rutgers University

FROM CHRONIC TO ACUTE, HOW PHYSICAL ACTIVITY BEHAVIORS INFLUENCE COGNITION IN CHILDREN
Matthew B. Pontifex
Michigan State University

5:00 p.m.—6:30 p.m.
St. Croix (6th Floor)

SPR Diversity Celebration Reception

5:30 p.m.—6:30 p.m.
Lafayette (8th Floor)

The Psychophysiology Board of Associate Editors Meeting

6:30 p.m.—7:30 p.m.
Pine Lake (Lobby Level)

Diversity Committee Meeting

6:30 p.m.—8:30 p.m.
Ballroom 3 (Lobby Level)

Poster Session II
Friday, September 23, 2016

7:00 a.m.—6:00 p.m.  
Lake Harriet (8th Floor)

**Speaker Ready Room**

7:30 a.m.—5:00 p.m.  
Atrium

**Registration**

8:00 a.m.—8:00 p.m.  
Atrium

**Internet Station**

8:00 a.m.—9:00 a.m.  
Ballroom 1 (Lobby Level)

**Flash Talks**

**NEURAL AND PHYSIOLOGICAL CORRELATES OF COGNITIVE AND EMOTIONAL PROCESSING IN ADOLESCENT DEPRESSION**  
Katie L. Burkhouse  
Binghamton University

**NEURAL MEASURES OF FLEXIBLE CONCEPTUAL COMBINATION AND ITS CONSEQUENCES FOR ASSOCIATIVE MEMORY**  
Heather Lucas  
*University of Illinois, Urbana-Champaign*

**ECOLOGICAL PSYCHOPHYSIOLOGY**  
Kyle Mathewson  
*University of Alberta*

**TRANSDIAGNOSTIC NEUROCIRCUIT DISRUPTIONS IN EMOTIONAL AND COGNITIVE PROCESSING**  
Lisa M. McTeague  
*Medical University of South Carolina*

**DANGER AND SAFETY SIGNALS IN THE HUMAN VISUAL CORTEX**  
Vladimir Miskovic  
*Binghamton University*
WHAT IF I DON’T WANT TO EXERCISE TODAY: IMPLICATIONS FOR COGNITION  
Matthew Pontifex  
Michigan State University

ATTENTION TRAINING IN ANXIETY  
Sarah Sass  
University of Texas at Tyler

9:00 a.m. – 8:00 p.m.  
Ballroom 3 (Lobby Level)

Exhibits Open

9:00 a.m. – 10:00 a.m.  
Ballroom 1 (Lobby Level)

Invited Address

RHYTHMS FOR COGNITION: COMMUNICATION THROUGH COHERENCE  
Prof. Dr. Med. Pascal Fries  
Director, Max Planck Institute for Neurobiology, Martinsried and Director, Ernst Strüngmann Institute, Max Planck Society, Frankfurt, Germany  
Introduction: Vladimir Miskovic

10:00 a.m. – 10:30 a.m.  
Ballroom 3 (Lobby Level)

Refreshment Break

10:30 a.m. – 12:00 noon  
Ballroom 1 (Lobby Level)

INVITED SYMPOSIUM I: BRAIN COMPUTER INTERACTION  
Moderator: Maria Ruiz-Blondet  
Binghamton University

10:30 a.m. – 11:00 a.m.

DESIGNING BETTER SENSORS FOR BRAIN-MACHINE INTERFACE: SKIN-LIKE ELECTRONICS  
Todd P. Coleman  
University of California, San Diego

11:00 a.m. – 11:30 a.m.

VEP-BASED BRAIN INTERFACE DESIGN AND APPLICATIONS  
Deniz Erdogmus  
Northeastern University
11:30 a.m.–12:00 noon

**BRAIN COMPUTER INTERFACES FOR COMMUNICATION IN PARALYSIS AND MOVEMENT RESTORATION IN CHRONIC STROKE**

Ujwal Chaudhary, Niels Birbaumer, and Andre Ramos-Murguialday
University of Tuebingen

12:00 noon-1:30 p.m.

**Lunch Break (on your own)**

12:00 noon-1:30 p.m.
St. Croix (6th Floor)

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

**Speaker and Panel Discussion: Mentorship: The Art of Balancing Self and Others**
(pre-registration required)

12:00 noon-1:30 p.m.

**Education and Training Committee Meeting**
Meet in the Marriott City Center Hotel lobby at 12:00 noon

12:00 noon-1:30 p.m.

**2017 Program Committee Meeting**
Meet in the Marriott City Center Hotel lobby at 12:00 noon

1:30 p.m.–3:00 p.m.
Ballroom 1 (Lobby Level)

**Symposium 4.1**

**LEVERAGING SPONTANEOUS AND TASK-RELATED OSCILLATORY CORTICAL ACTIVITY IN THE STUDY OF NORMAL AND ABNORMAL BRAIN FUNCTION ACROSS THE LIFESPAN**

Chairs: Pierre Jolicoeur and Christine Lefebvre
Universite de Montreal

**THE DEVELOPMENT OF INTRINSIC CORTICAL ACTIVITY FROM EARLY TO LATE CHILDHOOD**

Vladimir Miskovic\(^1\), & Brandon E. Gibb\(^2\)
\(^1\)Binghamton University, \(^2\)SUNY Binghamton
RESPONSE-LOCKED PHASE AMPLITUDE COUPLING RELATED TO THE DEPLOYMENT OF VISUAL SPATIAL ATTENTION
Brandi Lee Drisdelle¹, Jean-Marc Lina², & Pierre Jolicœur¹
¹Université de Montréal, ²Ecole de Technologie Superieure

ALPHA MODULATION DEFICITS DURING VISUAL WORKING MEMORY MAINTENANCE IN FIRST-EPISODE SCHIZOPHRENIA-SPECTRUM
Brian A. Coffman, Avniel S. Ghuman, Sarah M. Haigh, Timothy K. Murphy, Kayla L. Ward, Maria Jalbrzikowski, Beatriz Luna, & Dean F. Salisbury
University of Pittsburgh School of Medicine

EEG COHERENCE AND EXECUTIVE FUNCTION IN MILD COGNITIVE IMPAIRMENT AND ALZHEIMER’S DISEASE
Natalie Phillips¹, Erin Johns¹, Howard Chertkow², & Jim Nikelski²
¹Concordia University, ²Lady Davis Institute for Medical Research Jewish General Hospital/McGill University

1:30 p.m. – 3:00 p.m.
Deer Lake (Lobby Level)

Symposium 4.2

EXTERNALIZING PRONENESS AND SUBSTANCE USE: THEORETICAL FRAMEWORK AND EVIDENCE FROM PSYCHOPHYSIOLOGICAL AND NEUROIMAGING STUDIES
Chair: Bruce D. Bartholow
University of Missouri

TOWARD A MULTIPLE ENDOPHENOTYPE MODEL OF ALCOHOLISM RISK: DISINHIBITION, INCENTIVE SALIENCE, AND P300
Bruce D. Bartholow
University of Missouri
ERROR MONITORING BRAIN POTENTIALS AS INDICATORS OF FAMILIAL TRANSMISSION OF EXTERNALIZING LIABILITY
Jason Moser\(^1\), Sharon Lo\(^1\), & Brian Hicks\(^2\)
\(^1\)Michigan State University, \(^2\)University of Michigan

RESTING-STATE FUNCTIONAL CONNECTIVITY OF ANTERIOR CINGULATE CORTEX AND SUBSTANCE USE: A CO-TWIN CONTROL ANALYSIS
Scott Burwell, Stephen Malone, Kathleen Thomas, Ruskin Hunt, & William Iacono
University of Minnesota

BRAIN MECHANISMS OF EXTERNALIZING PRONENESS: RESULTS FROM FUNCTIONAL MRI STUDIES IN ADOLESCENTS AND ADULTS
Jens Foell, Sarah J. Brislin, Isabella Palumbo, Emily R. Perkins, & Christopher J. Patrick
Florida State University

1:30 p.m. – 3:00 p.m.
Minnesota (6\(^{th}\) Floor)

Symposium 4.3

EXPLORING NEUROECONOMICS AND THE NEURAL BASES OF DECISION-MAKING
Chairs: Michael Inzlicht and Cendri Hutcherson
University of Toronto

NEURAL MECHANISMS OF COGNITIVE REGULATION IN SOCIAL AND NON-SOCIAL CHOICE
Cendri Hutcherson\(^1\), Anita Tusche\(^2\), & Antonio Rangel\(^2\)
\(^1\)University of Toronto, \(^2\)California Institute of Technology

THE ROLE OF ATTENTION AND EMOTIONS IN REFERENCE POINT FORMATION: AN EYE-TRACKING EXPERIMENT
Milica Mormann, Luke Nowlan, & Joseph Johnson
University of Miami
THE REPRESENTATION OF VALENCED INFORMATION DURING AMBIGUOUS DECISION-MAKING
Uma Karmarkar1, Shengxuan Ye1, Vaida Rimeikyte2, Erik Kastman1, Alexander Peysakhovich3, & Joshua Buckholtz1
1Harvard University, 2Cornell University, 3Facebook

THE CONFLICT NEGATIVITY: A NEURAL SYSTEM TRACKING PARAMETRIC VARIATION IN SUBJECTIVE CONFLICT DURING VALUE-GUIDED DECISIONS
Michael Inzlicht, Blair Saunders, & Hause Lin
University of Toronto

3:00 p.m.—3:30 p.m.
Ballroom 3 (Lobby Level)

Refreshment Break

3:30 p.m.—5:00 p.m.
Ballroom 1 (Lobby Level)

Methods Q&A: NeuroModulation

BEST PRACTICES FOR TDCS: A Q&A SESSION
Marom Bikson
The City College of New York

5:00 p.m.—6:30 p.m.
Ballroom 1 (Lobby Level)

INVITED SYMPOSIUM II: NEUROMODULATION
Session Chair: Bin He
University of Minnesota

5:00 p.m.—5:30 p.m.

NEUROIMAGING AND NEUROMODULATION
Bin He
University of Minnesota
TRANSCRANIAL ULTRASOUND (TUS) EFFECTS ON MOOD, VIGOR, AND NON-ATTACHMENT
Joseph L. Sanguinetti$^{1,2}$, Ezra Smith$^1$, Michael R. Goldstein$^1$, William J. Tyler$^3$, Stuart Hameroff$^{1,2,4}$, & John J.B. Allen$^1$
$^1$University of Arizona; $^2$Center for Consciousness Studies; $^3$Arizona State University; and $^4$University of Arizona Banner Medical Center

6:00 p.m. – 6:30 p.m.

NEUROIMAGING COMBINED WITH NEUROSTIMULATION FOR COGNITIVE RESEARCH AND CLINICAL TREATMENT
Vince Clark
University of New Mexico

6:30 p.m. – 7:30 p.m.
Pine Lake (Lobby Level)

Public Relations Committee Meeting

6:30 p.m. – 8:30 p.m.
Ballroom 3 (Lobby Level)

Poster Session III

8:00 p.m. – 10:00 p.m.
Cedar Lake (Lobby Level)

Committee to Promote Student Interests
Saturday, September 24, 2016

7:00 a.m.–11:00 a.m.
Lake Harriet (8th Floor)

Speaker Ready Room

8:00 a.m.–8:00 p.m.
Atrium

Internet Station

8:00 a.m.–12:30 p.m.
Atrium

Registration

8:30 a.m.–9:30 a.m.
Ballroom 1 (Lobby Level)

PSYCHOPHYS SPECTACULAR

Session Chair: Sarah Laszlo
Binghamton University

Psychophysiology is the journal of SPR, and publishes high quality psychophysiology studies all year long! Join us at the Psychophys Spectacular to hear from the authors of three hot papers submitted to Psychophysiology this year.

8:30 a.m.–8:50 a.m.

TIME WILL TELL: A LONGITUDINAL, DATA-DRIVEN INVESTIGATION OF BRAIN-BEHAVIOR RELATIONSHIPS DURING READING DEVELOPMENT

Mallory C. Stites
Binghamton University

8:50 a.m.–9:10 a.m.

WHEN FLANKER MEETS THE N-BACK: WHAT EEG AND PUPIL DILATION DATA REVEAL ABOUT THE INTERPLAY BETWEEN THE TWO CENTRAL-EXECUTIVE WORKING MEMORY FUNCTIONS INHIBITION AND UPDATING

Christian Scharinger1, Alexander Soutschek2, Torsten Schubert3, & Peter Gerjets1
1Leibniz-Institut fuer Wissensmedien Tuebingen, 2University of Zurich, and 3Martin-Luther-University of Halle-Wittenberg

8:50 a.m.–9:10 a.m.
9:10 a.m. – 9:30 a.m.

ERROR-RELATED ELECTROMYOGRAPHIC ACTIVITY OVER THE CORRUGATOR SUPERCILIIs ASSOCIATED WITH NEURAL PERFORMANCE MONITORING

Nathaniel Elkins-Brown, Blair Saunders, & Michael Inzlicht
University of Toronto

9:30 a.m. – 10:00 a.m.
Ballroom 3 (Lobby Level)

Refreshment Break

10:00 a.m. – 11:00 a.m.
Ballroom 1 (Lobby Level)

Invited Address

LARGE-SCALE NETWORKS: ORGANIZATION, INTERACTIONS, AND MEASUREMENT IN THE INDIVIDUAL

Randy L. Buckner, PhD
Professor of Psychology and Neuroscience, Harvard University, Director, Psychiatric Neuroimaging Research Division, and Faculty, Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital, Boston, MA

Introduction: Kyle Mathewon

11:00 a.m. – 11:30 a.m.
Ballroom 1 (Lobby Level)

Early Career Award Address

THE STUDY OF EXECUTIVE FUNCTION: PAST, PRESENT AND FUTURE CHALLENGES

Sharna Jamadar, PhD
Olin Neuropsychiatric Research Center
11:30 a.m.—12:00 noon
Ballroom 1 (Lobby Level)

**Early Career Award Address**

**COGNITIVE CONTROL AFTER SURPRISING EVENTS: A UNIVERSAL FRONTO-BASAL GANGLIA MECHANISM**

Jan R. Wessel, PhD

University of Iowa

12:00 noon—1:00 p.m.
Ballroom 1 (Lobby Level)

**Presidential Address**

**HUMAN PAVLOVIAN CONDITIONING: NEW TRICKS FROM AN OLD DOG**

Ottmar V. Lipp, PhD, FASSA, FAPS

Professor of Psychology, School of Psychology and Speech Pathology, Curtin University, Perth, WA, Australia

1:15 p.m.—3:15 p.m.
Ballroom 1 (Lobby Level)

**General Business Meeting and Luncheon**

*(ticketed event)*

3:30 p.m.—5:30 p.m.
Ballroom 3 (Lobby Level)

**Poster Session IV**

5:30 p.m.—9:00 p.m.

**Time to Enjoy Minneapolis!**

9:00 p.m.—12:00 midnight
Ballroom 1 (Lobby Level)

**Saturday Night Social**
Sunday, September 25, 2016

8:00 a.m. – 10:30 a.m.
Minnesota (6th Floor)

Farewell Breakfast

9:00 a.m. – 12:00 noon
St. Croix (6th Floor)

Board of Directors Meeting
**POSTER SESSIONS**

Wednesday, September 21

**Poster Session I**

Ballroom 3 (Lobby Level)

5:30 p.m.—6:30 p.m. Posters Assembled
6:30 p.m.—8:30 p.m. Authors Present for Discussion and Questions
8:30 p.m.—9:30 p.m. Dismantle Posters

**POSTER 1-1**

“THE SOUND AND THE FURY”: AFFECTIVE SOUNDS MODULATE BUT DON’T ELICIT AN LPP

Darin R. Brown, & James F. Cavanagh

*University of New Mexico*

**POSTER 1-2**

A “GOLDILOCKS EFFECT” IN TRIAL TIMING: PERFORMANCE AND NEURAL INDICES OF SELF-MONITORING DEPEND ON THE INTER-TRIAL INTERVAL DURATION

Rebecca Compton, Elizabeth Heaton, & Emily Ozer

*Haverford College*

**POSTER 1-3**

A BAYESIAN APPROACH TO EVALUATING THE PSYCHOMETRIC PROPERTIES OF ERP MEASUREMENTS: THE ERP RELIABILITY ANALYSIS TOOLBOX

Peter E. Clayson

*University of California, Los Angeles*

**POSTER 1-4**

A BIOBEHAVIORAL STUDY OF ATTENTIONAL BIAS MODIFICATION FOR ALCOHOL

Courtney Louis1, Peter Luehring-Jones1, Joshua Schwartz1, Tracy Dennis-Tiwary1,2, & Joel Erblich1,2,3

1*Hunter College, The City University of New York*, 2*The Graduate Center, The City University of New York*, 3*Icahn School of Medicine at Mount Sinai*
A LITTLE GOES A LONG WAY: LOW WORKING MEMORY LOAD IS ASSOCIATED WITH OPTIMAL DISTRACTOR INHIBITION AND INCREASED VAGAL CONTROL UNDER ANXIETY
Derek P. Spangler, Lilian Hummer, Laura Braunstein, Xiao Yang, & Bruce H. Friedman
Virginia Polytechnic Institute & State University

CARDIAC VAGAL ACTIVITY IN COMPLEX PTSD
Alisa Huskey¹, Caleb Lack², & Kyle Haws²
¹Virginia Tech, ²University of Central Oklahoma

ACTIVATION IN THE RIGHT ANTERIOR INSULAR CORTEX IN ANTICIPATION OF REWARD INFORMATION
Yasunori Kotani¹, Yoshimi Ohgami¹, Nobukiyo Yoshida², Shigeru Kiryu², & Yusuke Inoue³
¹Tokyo Institute of Technology, ²The University of Tokyo, ³Kitasato University

ACOUSTIC SEGMENTATION DEFICITS IN FIRST-EPISODE SCHIZOPHRENIA
Brian A. Coffman, Sarah M. Haigh, Timothy K. Murphy, Kayla L. Ward, & Dean F. Salisbury
University of Pittsburgh School of Medicine

ACUTE EFFECTS OF DIFFERENTIAL, CONTEXTUAL INTERFERENCE, AND REPETITIVE BADMINTON SERVE TRAINING ON EEG BRAIN ACTIVITY
Diana Henz, & Wolfgang I. Schöllhorn
University of Mainz

ACUTE EFFECTS OF NEUROBIKE CYCLING ON EEG BRAIN ACTIVITY AND ATTENTIONAL PERFORMANCE
Christian Merz, Diana Henz, & Wolfgang I. Schöllhorn
University of Mainz
POSTER 1-11
AFFECTIVE MODULATION OF THE LATE POSITIVE POTENTIAL FOLLOWING REPEATED EXPOSURE TO CIGARETTE CUES IN SMOKERS AND NEVER-SMOKERS
Menton M. Deweese1, Hannah L. Stewart1, Kimberly N. Claiborne1, Jennifer Ng1, Paul M. Cinciripini1, Maurizio Codispoti2, & Francesco Versace3
1University of Texas MD Anderson Cancer Center, 2University of Bologna, 3Stephenson Cancer Center, University of Oklahoma Health Sciences Center

POSTER 1-12
AFFECTIVE STARTLE DURING UNPLEASANT PICTURES PREDICTS A FUTURE SUICIDE ATTEMPT IN VETERANS
Erin Hazlett, Nicholas Blair, Nicolas Fernandez, Kathryn Mascitelli, David Banthin, & Marianne Goodman
Icahn School of Medicine at Mount Sinai and James J. Peters VA Medical Center

POSTER 1-13
AFTER-EFFECTS SELF CONTROL ON ERPS TO ACOUSTIC STARTLE PROBES DURING EMOTIONAL IMAGES
Anna J. Finley1, Katie E. Garrison1, Adrienne L. Crowell2, & Brandon J. Schmeichel1
1Texas A&M University, 2Hendrix College

POSTER 1-14
AGE AND GENDER DIFFERENCES IN ERPS ELICITED BY COMPLEX SOCIAL SCENES
Jill Grose-Fifer1, Danielle diFilipo1, & Taylor Valentin2
1John Jay College of Criminal Justice and The Graduate Center, CUNY, 2John Jay College of Criminal Justice, CUNY

POSTER 1-15
AGGRESSION, HEALTH, AND HEART RATE FROM TEEN TO ADULT YEARS
J. Richard Jennings1, Dustin Pardini2, Adrian Raine3, & Karen Matthews1
1University of Pittsburgh, 2Arizona State University, 3University of Pennsylvania
POSTER 1-16
ALCOHOL AND PREPOTENT RESPONSE INHIBITION: ERP EVIDENCE OF IMPAIRED COGNITIVE CONTROL
Katherine P. Magruder, & John J. Curtin
University of Wisconsin – Madison

POSTER 1-17
ALPHA AND THETA PHASE-LOCKING AND SPECTRAL POWER DEFICITS IN BIPOLAR DISORDER IN THE AUDITORY ODDBALL PARADIGM
Nancy B. Lundin¹, Giri P. Krishnan², Lisa A. Bartolomeo¹, Patricia D. Krempely¹, William P. Hetrick¹, & Brian F. O’Donnell¹
¹Indiana University Bloomington, ²University of California, Riverside

POSTER 1-18
AMPLIFIED PREFRONTAL NEURAL FUNCTIONING IN COGNITIVE CONTROL IS ASSOCIATED WITH ENHANCED WORKING MEMORY IN CHILDREN
Diana A. Hobbs, Carl A. Armes, Mejdy M. Jabr, Eric Rawls, & Connie Lamm
University of New Orleans

POSTER 1-19
AMYGDALA-PREFRONTAL CORTEX CONNECTIVITY IN PSYCHOTIC DISORDERS: A RESTING-STATE FMRI STUDY
Amri Sabharwal, Eric Petrone, Roman Kotov, & Aprajita Mohanty
Stony Brook University

POSTER 1-20
AN ELECTROPHYSIOLOGICAL INVESTIGATION OF THE EFFECTS OF EXPECTEDNESS, SENTENTIAL CONSTRAINT, AND PLAUSIBILITY ON MEMORY FOR WORDS
Ryan J. Hubbard¹, & Kara D. Federmeier²
¹University of Illinois at Urbana-Champaign, ²University of Illinois
POSTER 1-21
AN EVENT-RELATED POTENTIAL INVESTIGATION OF THE ROLE OF FIXATION AND RACIAL CUES IN PERSON CONSTRUAL
Hannah I. Volpert, & Bruce D. Bartholow
University of Missouri

POSTER 1-22
AN EXPLORATORY ANALYSIS OF THE EFFECTS OF TASK ENGAGEMENT ON FEEDBACK PROCESSING: AN ERP INVESTIGATION
Matthew W. Miller, Marcos Daou, Caroline C. Meadows, Jence A. Rhoads, & Keith R. Lohse
Auburn University

POSTER 1-23
DIMINISHED CORTICAL PLASTICITY IN CHRONIC PHASE SCHIZOPHRENIA: AN ELECTROPHYSIOLOGICAL STUDY
Amanda McCleery¹, Jonathan K. Wynn¹, Nora Polon², Warren Szewczyk², Brian J. Roach³, Daniel H. Mathalon³, & Michael F. Green¹
¹University of California, Los Angeles; VA Greater Los Angeles, ²University of California, Los Angeles, ³University of California, San Francisco & San Francisco VA Health Care System

POSTER 1-24
AN INVESTIGATION OF NICOTINE-WITHDRAWN SMOKERS’ COGNITIVE AND EMOTIONAL PROCESSING OF ANTI-TOBACCO COMMERIALS
Russell Clayton¹, Rachel Tomko², Glenn Leshner³, Timothy Trull⁴, & Thomas Piasecki⁴
¹Florida State University, ²Medical University of South Carolina, ³University of Oklahoma, ⁴University of Missouri

POSTER 1-25
ANALYSIS OF MEG AS RELATED TO SPATIAL TRANSFORMATION AND TOP-DOWN CONTROL OF SACCADE BEHAVIOR
Lindsey R. Tate¹, Nick Woodruff¹, Brett Clementz², & Lauren Ethridge³
¹University of Oklahoma, ²University of Georgia, ³University of Oklahoma Health Sciences Center
POSTER 1-26
AUDITORY NEURAL OSCILLATORY SYNCHRONIZATION ABNORMALITIES ACROSS THE GAMMA FREQUENCY RANGE IN AUTISM SPECTRUM DISORDER
Lisa De Stefano¹, Jun Wang², Stormi P. White³, Matthew W. Mosconi⁴, John Sweeney⁵, & Lauren E. Ethridge⁶,⁷
¹University of Oklahoma, ²Zhejiang University of Technology, ³University of Texas Southwestern Medical Center, ⁴University of Kansas, ⁵University of Cincinnati, ⁶University of Oklahoma Health Sciences Center

POSTER 1-27
ANXIETY IS ASSOCIATED WITH ENHANCED REACTIVITY TO EMOTIONAL CONTRASTS: A TRIAL-TO-TRIAL EXAMINATION OF THE LATE POSITIVE POTENTIAL
Hans S. Schroder, Yanli Lin, & Jason S. Moser
Michigan State University

POSTER 1-28
ANXIETY SENSITIVITY MODERATES THE EXTENT TO WHICH GENERALIZATION OF PAVLOVIAN FEAR LEADS TO MALADAPTIVE INSTRUMENTAL AVOIDANCE
Christopher Hunt, Samuel E. Cooper, Melissa P. Hartnell, John S. Gaffney, & Shmuel Lissek
¹University of Minnesota, Twin Cities Campus

POSTER 1-29
DETECTING THE SIGNAL FROM THE NOISE: PPI AS A MEASURE OF FILTERING EFFICIENCY
Bryan D. Fox, Amanda J. Wilkes, Olivia D. Cross, Adriana M. Capraio, Grace M. Smith, Kong Hoang, Zach B. Wrehe, & Diane L. Filion
University of Missouri - Kansas City

POSTER 1-30
ASSESSMENT OF COGNITIVE CONTROL OF AUTONOMIC REGULATION IN CHILDREN USING THE METHOD OF PACED BREATHING
Vladimir Trubachev¹, Vera Trubacheva¹, Andrei Gorbunov¹, & Evgeny Vaschillo²
¹Mari State University, Russia, ²Rutgers, The State University of New Jersey
**POSTER 1-31**  
**ASSESSING SOLDIER ADAPTABILITY:**  
**DECISION-MAKING TO AUTHENTIC CHALLENGE**  
1The Johns Hopkins University Applied Physics Laboratory, 2UNC-Chapel Hill, 3U.S. Army

**POSTER 1-32**  
**ASSESSMENT OF THE BIOMETRIC PERMANENCE OF THE CEREBRE BIOMETRIC PROTOCOL**  
Maria Ruiz-Blondet, & Sarah Laszlo  
Binghamton University

**POSTER 1-33**  
**BRAIN FINGERPRINTING DETECTS REAL CRIMES DESPITE $100K REWARD FOR BEATING IT: CLASSIFICATION CONCEALED INFORMATION TEST WITH P300 OUTPERFORMS COMPARISON CIT**  
Lawrence A. Farwell  
Brain Fingerprinting Laboratories, Inc.

**POSTER 1-34**  
**ATTENTION PROFILING IN RAJAYOGA MEDITATORS: EEG DYNAMICS AND TASK-BASED FINDINGS**  
Kanishka Sharma, Amritha Abdul. Salam, Richa Trivedi, Ashok Dubey, & Sushil Chandra  
1Institute of Nuclear Medicine & Allied Science, Defence R&D Organization, 2Netaji Subhas Institute of Technology, Dwarka, Delhi

**POSTER 1-35**  
**ATTENTIONAL BIAS AND AUTONOMIC NERVOUS SYSTEM RESPONSE TO EMOTIONALLY LOADED STIMULI IN A DOT-PROBE TASK: EVIDENCE FROM SKIN CONDUCTANCE MEASUREMENTS**  
Toshihiko Sato, Kento Takahashi, Naohiro Yamamoto, & Toshiteru Hatayama  
1Tohoku Bunka Gakuen University, 2Tohoku University, 3Yamagata Prefectural Police, 4Hachinohe Gakuin University
POSTER 1-36
ATTENTIONAL CONTROL IN MEDIA MULTITASKING
Eunsam Shin
Yonsei University

POSTER 1-37
ATTENTIONAL SCOPE DIFFERENTIALLY IMPACTS ANTICIPATORY VERSUS CONSUMMATORY REWARD-RELATED NEURAL ACTIVITY
Ajay Nadig¹, Narun Pornpattananangkul², Nicholas J. Kelley¹, James Glazer¹, & Robin Nusslock¹
¹Northwestern University, ²National University of Singapore

POSTER 1-38
ANODAL TRANSCRANIAL DIRECT CURRENT STIMULATION OF THE RIGHT DLPFC FACILITATES ATTENTION AS INDEXED BY THE LATE POSITIVE POTENTIAL (LPP)
Raoul Dieterich¹, Anna Weinberg², & Norbert Kathmann¹
¹Humboldt-University of Berlin, ²McGill University

POSTER 1-39
AUDITORY PRIMING IMPROVES NEURAL SYNCHRONIZATION IN AUDITORY MOTOR ENTRAINMENT
Patricia L. Davies¹, Jewel Crasta¹, Michael H. Thaut², & William J. Gavin¹
¹Colorado State University, ²University of Toronto

POSTER 1-40
DEVELOPMENTAL TRENDS OF THETA POWER FOLLOWING CORRECT AND INCORRECT RESPONSES DURING A FLANKER TASK
Mei-Heng Lin, Patricia L. Davies, & William J. Gavin
Colorado State University

POSTER 1-41
AUTONOMIC DIFFERENTIATION FOR EMOTIONS? HOW ABOUT AUTONOMIC DIFFERENTIATION FOR EMOTION-ELICITING TASKS?
Talar Simon¹, Kyle Berger¹, Bruce H. Friedman², & Jared J. McGinley¹
¹Towson University, ²Virginia Polytechnic Institute & State University
POSTER 1-42
BASAL EXHALED NITRIC OXIDE AND VASCULAR ENDOTHelial GROWTH FACTOR IN EXHALED BREATH CONDENSATE AND SALIVA PREDICT COLD SYMPTOMS AFTER ACADEMIC STRESS
Thomas Ritz¹, Ana Trueba², Pia Vogel¹, & David Rosenfield¹
¹Southern Methodist University, ²University of San Francisco de Quito

POSTER 1-43
BASELINE FRONTAL ALPHA ASYMMETRY IS RELATED TO SLEEP AND QUALITY OF LIFE
Alexandra Stephenson, Eric Watson, & D. Erik Everhart
East Carolina University

POSTER 1-44
BEHAVIORAL AND ELECTROCORTICAL CORRELATES OF FEAR GENERALIZATION TO FACES - AN SSVEP STUDY
Matthias J. Wieser, Lea Ahrens, & Paul Pauli
University of Würzburg

POSTER 1-45
BINGE DRINKING ENHANCES N1 ASSESSED ALCOHOL CUE REACTIVITY
Nicole C. Mechin, Samantha Thomas, Kary Reynolds, & Philip A. Gable
University of Alabama

POSTER 1-46
BLAST-RELATED MILD TBI SEVERITY AND CURRENT PTSD SYMPTOMATOLOGY ARE DIFFERENTIALLY ASSOCIATED WITH REGIONAL HOMOGENEITY IN PARIETAL CORTEX
Casey Gilmore¹, Jazmin Camchong², Seth Disner¹, Nicholas Davenport², Kelvin Lim², & Scott R. Sponheim²
¹Minneapolis VA Health Care System, ²University of Minnesota

POSTER 1-47
BLOCKING MIMICKRY - OR NOT?
Ursula Hess¹, Christophe Blaison¹, & Gün Semin²
¹Humboldt University of Berlin, ²Instituto Superior de Psicologia Aplicada
POSTER 1-48
BOTH SAFETY AND RELIEF INHIBIT CONDITIONED FEAR
Marta Andreatta, & Paul Pauli
University of Würzburg

POSTER 1-49
BRAIN ACTIVITIES DURING HYPNOSIS-INDUCED RESTRICTION OF VISION: A REPPLICATION
Wolfgang Miltner¹, Barbara Schmidt², & Holger Hecht²
¹University of Trier, ²Friedrich Schiller University of Jena

POSTER 1-50
BRAIN DERIVED NEUROTROPHIC FACTOR GENOTYPE MODULATES RECOGNITION MEMORY RELATED EVENT RELATED POTENTIALS
Nicole S. Mckay, Paul M. Corballis, & Ian J. Kirk
University of Auckland

POSTER 1-51
ATTENTION DEFICIT PROBLEMS OF ADULTS AND TASK ORIENTED BIOFEEDBACK
Anna Vinkova
Moscow State University

POSTER 1-52
BRAIN RESPONSES TO AFFECTIVE FACES IN AN EMOTIONAL STROOP TASK: HERITABILITY AND ASSOCIATIONS WITH CALLOUS-UNEMOTIONALITY
Isabella Palumbo, James R. Yancey, Sarah J. Brislin, Daniel Blonigen, & Christopher J. Patrick
Florida State University

POSTER 1-53
BREW TO YOUR SCHOOL: UNIVERSITY AFFILIATION ENHANCES THE MOTIVATIONAL SIGNIFICANCE OF SPECIFIC BEER BRANDS
Meredith P. Johnson¹, Chris Loersch², Tiffany A. Ito², Elizabeth E. Stillwell¹, Hannah I. Volpert¹, & Bruce D. Bartholow¹
¹University of Missouri, ²University of Colorado
POSTER 1-54
COGNITIVE AND AFFECTIVE STRATEGIES DURING GAZING AT ONE’S OWN FACE IN PATIENTS WITH MAJOR DEPRESSIVE DISORDER: AN EYE TRACKING STUDY
Lyubomir Aftanas, Olga Akhmetova, Ivan Brack, Ekaterina Nikolenko, Konstantin Loktev, Alexey Tumyalis, & Konstantin Danilenko
Federal State Scientific Budgetary Institution “Scientific Research Institute of Physiology & Basic Medicine”

POSTER 1-55
CARDIORESPIRATORY PARAMETERS CORRELATED WITH SELF-FORGIVENESS
Kyle W. Eaton, & Thomas M. Ferrari
Oakland University William Beaumont School of Medicine

POSTER 1-56
CARDIOVASCULAR REACTIVITY DURING SCRIPT DRIVEN IMAGERY AND A SPEECH PERFORMANCE TASK IN POSTTRAUMATIC STRESS DISORDER (PTSD) AND COMORBID DEPRESSION
Paula Castro-Chapman¹, Jessica Yanson¹, Suzanne Pineles²,³, Scott Orr⁴, & Kristen Salomon⁵
¹James A. Haley VA Hospital, ²National Center for PTSD at VA Boston Healthcare System and ³Boston University School of Medicine, ⁴Harvard Medical School at Massachusetts General Hospital, ⁵University of South Florida

POSTER 1-57
CHANGES IN BLOOD OXYGEN LEVEL-DEPENDENT (BOLD) RESPONSE TO AFFECTIVE PICTURE VIEWING AFTER ACUTE EXERCISE
Lauren R. Weiss¹, Alfonso J. Alfini¹, Theresa J. Smith¹, & J. Carson Smith²
¹University of Maryland, College Park, ²University of Maryland
POSTER 1-58
CHANGES IN CARDIOVASCULAR REACTIVITY IN RESPONSE TO EXPOSURE TO MULTIPLE AFFECTIVE STRESSORS: EXAMINING CHANGES IN RIGHT HEMISPHERE ACTIVATION IN HIGH AND LOW TRAIT ANXIOUS MEN
Kate Holland¹, Cristina Blanco¹, Alana Rosa¹, Michael Doster¹, & David Harrison²
¹University of South Carolina Lancaster, ²Virginia Tech

POSTER 1-59
CHILD EMOTION REGULATION AND SOCIAL CONTEXT: A MULTI-MODAL PHYSIOLOGY STUDY
Sarah Babkirk, Jean Quintero, Samantha Birk, Joshua Schwartz, & Tracy Dennis-Tiwary
Hunter College, The City University of New York

POSTER 1-60
CHILDHOOD MALTREATMENT AFFECTS ATTENTION TO THREATENING FACIAL EMOTION IN ADULTHOOD: EVIDENCE FROM THE LATE POSITIVE POTENTIAL
Aislinn Sandre, Paige Ethridge, Insub Kim, & Anna Weinberg
McGill University

POSTER 1-61
CLAUSTRUM FUNCTIONAL CONNECTIVITY DEFICITS ASSOCIATED WITH ABNORMAL VISUAL PERCEPTION IN SCHIZOPHRENIA
Seung Suk Kang, & Scott R. Sponheim
Minneapolis VA Health Care System/University of Minnesota

POSTER 1-62
ABNORMAL SPONTANEOUS NEURAL ACTIVITY IN PTSD: A RESTING-STATE META-ANALYSIS AND FMRI VALIDATION
Seth Disner¹, Craig Marquardt², Bryon Mueller², Philip Burton², & Scott R. Sponheim²
¹Minneapolis VA Health Care System, ²University of Minnesota
POSTER 1-63
AUDITORY PROCESSING ABNORMALITIES IN SCHIZOPHRENIA AND A PRELIMINARY ANALYSIS OF POLYGENETIC RISK
Christopher Hollowell¹, Elle Stahura¹, Seth Disner¹, & Scott R. Sponheim²
¹Minneapolis Veteran Affairs Health System, ²University of Minnesota

POSTER 1-64
COGNITIVE LOAD IN MILD TRAUMATIC BRAIN INJURY: A PUPILLOMETRIC ASSESSMENT OF MULTIPLE ATTENTIONAL PROCESSES
Jamie N. Hershaw, & Mark L. Ettenhofer
Uniformed Services University of the Health Sciences

POSTER 1-65
COGNITIVE REAPPRAISAL INTERACTS WITH MOTIVATION-RELATED NEURAL RESPONSES TO SAD FACES TO PREDICT INDIVIDUAL DIFFERENCES IN ADOLESCENT PROSOCIALITY
Jonas G. Miller, David Weissman, Amanda E. Guyer, & Paul D. Hastings
University of California, Davis

POSTER 1-66
COMPARATIVE ANALYSIS OF THE STOP-SIGNAL AND GO/NOGO TASK PERFORMANCE: A FMRI STUDY
Julia A. Marakshina, Natalia S. Buldakova, Alexander V. Vartanov, Julia A. Isakova, Vladimir V. Popov, Aleksandr A. Baev, Andrey A. Kiselnikov, & Stanislav A. Kozlovskiy
Lomonosov Moscow State University

POSTER 1-67
COMPARING BRAIN ACTIVITY RELATED TO ATTENTION FOR LATERAL VERSUS CENTRAL TARGETS PRESENTED AMONG DISTRACTORS
Mattia Doro¹, Pierre Jolicoeur², & Roberto Dell’Acqua¹
¹University of Padova, ²Université de Montréal

POSTER 1-68
CONCORDANCE OF INDIVIDUALS’ SUBJECTIVE DISTRESS AND HEART RATE DURING 7.5% CO₂ CHALLENGE
Rachel Wallace, Charles Calderwood, Roxann Roberson-Nay, & Scott Vrana
Virginia Commonwealth University
POSTER 1-69
DOES INCENTIVE SALIENCE DIRECT EARLY ATTENTION? AN ERP INVESTIGATION
Constanza de Dios¹, & Geoffrey Potts²
¹Potts Lab, ²University of South Florida

POSTER 1-70
CONSOLIDATION OF AVERSIVE LEARNING IN VISUAL CORTEX
L. Jack Rhodes¹, & Vladimir Miskovic²
¹SUNY Binghamton, ²Binghamton University

POSTER 1-71
CORTICAL DIFFERENTIATION OF WORDS FROM OTHER VISUAL STIMULI PREDICTS READING ABILITY IN INDIVIDUALS ACROSS READING DEVELOPMENT
Elizabeth Sacchi, & Sarah Laszlo
Binghamton University

POSTER 1-72
DOWNSTREAM REPETITION EFFECTS REVEAL IMPOVERISHED REPRESENTATIONS FOR PREDICTABLE WORDS
Joost Rommers, & Kara D. Federmeier
University of Illinois

POSTER 1-73
AS FAR AS THE EYE CAN SEE: EVENT-RELATED BRAIN POTENTIALS REVEAL DYNAMICS OF VISUOSPATIAL ATTENTION ALLOCATION DURING READING
Brennan R. Payne, & Kara D. Federmeier
University of Illinois

POSTER 1-74
COGNITIVE CONFLICT DECREASES RESPONSES TO EMOTIONAL STIMULI: THE EFFECTIVE CONNECTIVITY OF THE PREFRONTAL CORTEX
Tomasz S. Ligeza, & Miroslaw Wyczesany
Jagiellonian University
POSTER 1-75
DIFFERENCES IN LISTENING EFFORT AMONG COCHLEAR IMPLANT USERS COMPARED TO HEARING AID USERS
Joseph S. Baschnagel1, Elizabeth Jackson Machmer2, Katey Sackett1, Keith Ziegler1, & Marc Marschark2
1Rochester Institute of Technology, 2National Technical Institute for the Deaf

POSTER 1-76
DIFFERENTIAL EFFECTS OF A SINGLE BOUT OF PHYSICAL ACTIVITY ON ATTENTIONAL PROCESSES IN HIGH- AND LOW-ANXIOUS INDIVIDUALS
Andrew C. Parks, Anthony G. Delli Paoli, Hans S. Schroder, Jason S. Moser, & Matthew B. Pontifex
Michigan State University

POSTER 1-77
AN INVESTIGATION OF FULLY AUTOMATED APPROACHES FOR THE SELECTION OF EYE BLINK ICA COMPONENTS
Kathryn L. Gwizdala1, Amanda L. McGowan1, Vladimir Miskovic2, Sarah Laszlo2, & Matthew B. Pontifex1
1Michigan State University, 2Binghamton University

POSTER 1-78
PUPIL DILATION AND AFFECTIVE MEANING: EFFECTS OF GOAL RELEVANCE, TYPE, AND CONGRUENCE
Andero Uusberg1, & Martin Kolnes2
1Stanford University and Tartu University, 2Tartu University

POSTER 1-79
DISENTANGLING THE EFFECTS OF STIMULUS NOVELTY AND AFFECTIVE VALENCE IN THE AMYGDALA, HIPPOCAMPUS, AND BED NUCLEUS OF THE STRIA TERMINALIS
Walker Pedersen1, Nicholas Balderston2, Tara A. Miskovich1, Emily L. Belleau1, Fred Helmstetter1, & Christine L. Larson1
1University of Wisconsin - Milwaukee, 2National Institute of Mental Health
POSTER 1-80
DISSOCIATING DISPOSITIONAL TRAITS USING ELECTROCORTICAL INDICATORS: THE HEADS-AND-FACES ODDBALL TASK
Emily R. Perkins, Sarah J. Brislin, James R. Yancey, Colin B. Bowyer, & Christopher J. Patrick
Florida State University

POSTER 1-81
DISTINCT BEHAVIORAL PERFORMANCE CORRELATES OF THE ERN AND PE IN THE FLANKER TASK
Keanan Joyner, Colin Bowyer, James R. Yancey, Greg Hajcak, & Christopher J. Patrick
Florida State University, Stony Brook University

POSTER 1-82
DO THEY LIKE ME OR NOT? DEVELOPMENT OF A LABORATORY SOCIAL REWARD PARADIGM
Belel Ait Oumeziane, Jacqueline Schryer-Praga, & Dan Foti
Purdue University

POSTER 1-83
CONSIDERING BLOCK-WISE FLUCTUATIONS IN ERN AMPLITUDE AND RELATIONSHIPS WITH PERSONALITY: A DYNAMIC APPROACH
Kaylin Hill, Takakuni Suzuki, Douglas Samuel, & Dan Foti
Purdue University

POSTER 1-84
CROSSTALK: MONKEY ELECTROPHYSIOLOGY AND HUMAN IMAGING REVEAL COMMON NEURAL CODING FOR PROACTIVE AND REACTIVE CONTROL
Angus MacDonald, Andrew Poppe, Matthew Chafee, Cameron Carter, Daniel Ragland, Steven Silverstein, & Deanna Barch
University of Minnesota, University of California, Davis, Rutgers, Washington University of St. Louis
Thursday, September 22
Poster Session II
Ballroom 3 (Lobby Level)

7:45 a.m.–9:45 a.m. Posters Assembled
9:45 a.m.–6:30 p.m. Posters Available for Viewing
6:30 p.m.–8:30 p.m. Authors Present for Discussion and Questions
8:30 p.m.–9:30 p.m. Dismantle Posters

POSTER 2-1
DUTY CYCLE DETERMINES THE DIRECTION OF SSVEP AMPLITUDE DIFFERENCES IN RESPONSE TO HEDONIC CONTENT
Vladimir Miskovic¹, & Karl Kuntzelman²
¹Binghamton University, ²SUNY Binghamton

POSTER 2-2
EMOTIONAL MODULATION OF PERCEPTUAL DECISION-MAKING
Karl Kuntzelman¹, Vincent Costa², & Vladimir Miskovic³
¹SUNY Binghamton, ²National Institute of Mental Health, ³Binghamton University

POSTER 2-3
EARLY ERP RESPONSES TO EMOTIONAL FACES: CATEGORY, INTENSITY, AND TRAIN EFFECTS
Sarah J. Brislin, James R. Yancey, Colin B. Bowyer, & Christopher J. Patrick
Florida State University

POSTER 2-4
EEG GAMMA POWER CORRELATES OF DEVELOPMENTAL CHANGE IN AUDIOVISUAL SYNCHRONY DETECTION
Elizabeth Smith¹, Clay Mash¹, Audrey Thurm², & Marc Bornstein¹
¹National Institute of Child Health and Human Development, ²National Institute of Mental Health
POSTER 2-5
EFFECT OF MALTREATMENT DURATION ON THE NEUROBIOLOGY OF VISUAL SELF-RECOGNITION IN DEPRESSED, MALTREATED YOUTH
Mitchell Sauder, Christine Egan, Kiry Koy, Hannah Scott, & Karina Quevedo
University of Minnesota

POSTER 2-6
EFFECT OF PHYSICAL ATTRACTIVENESS OF THE OPPOSITE SEX ON P2 TO IRRELEVANT PROBE STIMULI
Kohei Fuseda, & Jun’ichi Katayama
Kwansei Gakuin University

POSTER 2-7
EFFECTS OF AN 8-WEEK MODERATE-INTENSITY AEROBIC EXERCISE INTERVENTION ON CONFLICT MONITORING PROCESSES IN MAJOR DEPRESSIVE DISORDER
Christopher J. Brush, Ryan L. Olson, Peter J. Ehmann, & Brandon L. Alderman
Rutgers University

POSTER 2-8
EFFECTS OF AUDITORY INTEGRATION TRAINING ON MISMATCH NEGATIVITY AND AUDITORY EVOKED POTENTIALS IN AUTISM
Estate M. Sokhadze¹, Manuel F. Casanova¹, Allan Tasman², & Sally Brockett³
¹University of South Carolina School of Medicine-Greenville, ²University of Louisville, ³IDEA Training Center
POSTER 2-10
EFFECTS OF HEART RATE VARIABILITY BIOFEEDBACK ON COGNITIVE PROCESSING OF NEGATIVE STIMULI IN DEPRESSED INDIVIDUALS
Masahito Sakakibara
Aichi Gakuin University

POSTER 2-11
EFFECTS OF NEUROBIKE CYCLING ON EEG BRAIN ACTIVITY AND MATHEMATICAL PERFORMANCE: AN INTERVENTION STUDY
Alexander John, Diana Henz, & Wolfgang I. Schöllhorn
University of Mainz

POSTER 2-12
ELECTRODERMAL ACTIVITY AND ANXIETY SYMPTOMS AMONG ADOLESCENT FEMALES
Jamie R. Pogue, Renee M. Cloutier, Matt J. Russo, Sydney A. McKinnis, & Heidemarie Blumenthal
University of North Texas

POSTER 2-13
EXPLORING THE RELATIONS AMONG SALIVARY CORTISOL, ALPHA AMYLASE, AND FEMALE ADOLESCENT PSYCHOPATHOLOGY
Renee M. Cloutier, Jamie R. Pogue, Sydney A. McKinnis, Matt J. Russo, & Heidemarie Blumenthal
University of North Texas

POSTER 2-14
ELECTROPHYSIOLOGICAL CORRELATES OF ANXIOUS APPREHENSION
Ema Tanovic, & Jutta Joormann
Yale University

POSTER 2-15
ELECTROPHYSIOLOGICAL CORRELATES OF RESPONSE TIME VARIABILITY IN THE SUSTAINED ATTENTION TO RESPONSE TASK
Keitaro Machida, & Katherine Johnson
University of Melbourne
POSTER 2-16
ELECTROPHYSIOLOGICAL EVIDENCE OF TRIAL-BY-TRIAL ATTENTION SHIFT IN DIFFERENT TRIAL HISTORIES
Eunsam Shin, & Sang Chul Chong
Yonsei University

POSTER 2-17
ELEVATED EMOTION SUPPRESSION PREDICTS GREATER REWARD ANTICIPATION: EVIDENCE FROM THE STIMULUS-PRECEDING NEGATIVITY
Nicholas J. Kelley¹, James Glazer¹, Narun Pornpattananangkul², & Robin Nusslock¹
¹Northwestern University, ²National University of Singapore

POSTER 2-18
FEEDBACK-EVOKED EVENT-RELATED POTENTIAL IS SENSITIVE TO UNCERTAINTY IN RISK/REWARD EXPECTATION
University of Pittsburgh School of Medicine

POSTER 2-19
EMITTED P3A AND P3B IN CHRONIC AND FIRST-EPISTOE SCHIZOPHRENIA
Alexis G. McCathern, Brian A. Coffman, Sarah M. Haigh, Timothy K. Murphy, Kayla L. Ward, & Dean F. Salisbury
University of Pittsburgh School of Medicine

POSTER 2-20
EVENT-RELATED POTENTIALS DEMONSTRATE DEFICITS IN ACOUSTIC SEGMENTATION IN SCHIZOPHRENIA
Dean F. Salisbury, Sarah M. Haigh, Timothy K. Murphy, Kayla L. Ward, & Brian A. Coffman
University of Pittsburgh School of Medicine
POSTER 2-21
EMOTION REGULATION STRATEGIES AND PHYSIOLOGICAL EFFECTS ON THE BODY, AS SEEN IN HAND TEMPERATURE
Gabriella G.N. Robinson, Annabelle Scott, Treva Van Cleave, & Wendy D’Andrea
The New School for Social Research

POSTER 2-22
EMOTION REGULATION TO IDIOGRAPHIC STIMULI: TESTING A NOVEL ERP PARADIGM
Brittany C. Speed¹, James J. Gross², Dimitris N. Kiosses³, & Greg Hajcak¹
¹Stony Brook University, ²Stanford University, ³Weill Cornell Medicine

POSTER 2-23
EMOTIONAL ABUSE AND ATTACHMENT SECURITY AS PREDICTORS OF ABNORMAL PROCESSING OF POSITIVELY-VALENCED STIMULI
Trisha M. Karsten¹, Kelly K. Bost², Glenn I. Roisman³, Wendy Heller², Gregory A. Miller⁴, & Stacie L. Warren¹
¹Palo Alto University, ²University of Illinois at Urbana-Champaign, ³University of Minnesota, ⁴University of Illinois at Urbana-Champaign; University of California, Los Angeles

POSTER 2-24
EMOTIONAL IMAGES REDUCE THE N1 TO AUDITORY DISTRACTORS
Daniel B.K. Gabriel, Lauren A-M. Dahlke, James W. Rogers, Jamonté D. Wilson, & Jeffrey J. Sable
Christian Brothers University

POSTER 2-25
DYSFUNCTION IN ANIMACY INFORMATION PROCESSING IN ADOLESCENTS WITH DISRUPTIVE BEHAVIOR DISORDERS AND CALLOUS-UNEMOTIONAL TRAITS
Laura C. Thornton¹, Elizabeth Penner¹, Zachary Nolan², Christopher Adalio³, Soonjo Hwang⁴, Harma Meffert¹, James Blair⁵, & Stuart White¹
¹Boys Town National Research Hospital, ²Pennsylvania State College of Medicine, ³University of California at Berkeley, ⁴University of Nebraska Medical Center, ⁵National Institute of Mental Health
POSTER 2-26
EMOTIONAL PERCEPTION: SEX DIFFERENCES IN LPP MODULATION?
Timothy Wanger, & Dean Sabatinelli
University of Georgia

POSTER 2-27
EMOTIONAL PROCESSING OF LOVED FAMILIAR FACES AND PROPER NAMES: AN FMRI STUDY
Ignacio Lucas¹, Pedro Guerra¹, Cristina Morato¹, Maria Antonieta Bobes², & Jaime Vila¹
¹University of Granada, ²Cuban Neurosciences Center

POSTER 2-29
EXERCISE-INDUCED MODULATIONS OF ERROR-SURROUNDING BRAIN ACTIVITY IN FEMALES WITH HIGH AND LOW LEVELS OF WORRY
Anthony G. Delli Paoli, Andrew C. Parks, Hans S. Schroder, Jason S. Moser, & Matthew B. Pontifex
Michigan State University

POSTER 2-30
ENHANCED ERROR RELATED NEGATIVITY UNDER THREAT OF SHOCK: EVIDENCE FROM A TASK SWITCHING PARADIGM
Colin B. Bowyer, Isabella Palumbo, James R. Yancey, Sarah Sowards, Jens Foell, & Christopher J. Patrick
Florida State University

POSTER 2-31
ERN AND THETA DYNAMICS: LINKS WITH ANXIETY RISK IN PRESCHOOLERS
Mara J. Canen, & Rebecca J. Brooker
Montana State University Development of Mind and Emotion Lab

POSTER 2-32
ERPS ARE SENSITIVE TO EMOTIONAL-NEUTRAL COMPETITION IN BINOCULAR RIVALRY
Maria Hernández-Lorca, Dominique Kessel, María José García-Rubio, Tamara Giménez-Fernández, Almudena Capilla, José Ángel Martínez-Huertas, & Luis Carretié
Universidad Autónoma de Madrid
POSTER 2-33
ERROR MONITORING ACROSS THE SCHIZOPHRENIA SPECTRUM: THE IMPACT OF DIAGNOSIS AND MOOD SYMPTOMS
Keisha Novak¹, Amanda Bolbecker², Lisa A. Bartolomeo³, Brian F. O’Donnell³, William P. Hetrick³, & Dan Foti¹
¹Purdue University, ²Indiana University, ³Indiana University Bloomington

POSTER 2-34
INDIVIDUAL DIFFERENCES IN LINGUISTIC AND NON-LINGUISTIC SKILLS MODULATE NEURAL PROCESSING OF WORDS IN CONTEXT
Edward Wlotko¹, & Gina Kuperberg²
¹Tufts University, ²Tufts University and Massachusetts General Hospital

POSTER 2-35
ESTRADIOL MODERATES THE RELATIONSHIP BETWEEN ERN AND PERFORMANCE
Chelsea Kneip, & Jason S. Moser
Michigan State University

POSTER 2-36
ETIOLOGICAL OVERLAP BETWEEN SUICIDAL BEHAVIORS AND PSYCHONEUROMETRIC MEASURES OF DISINHIBITION AND THREAT SENSITIVITY
Noah C. Venables¹, James R. Yancey¹, Brian Hicks², Mark Kramer³, Thomas Joiner¹, Robert Krueger⁴, William Iacono⁵, & Christopher J. Patrick¹
¹Florida State University, ²University of Michigan, ³Minneapolis VA Medical Center, ⁴University of Minnesota

POSTER 2-37
EVENT RELATED POTENTIALS OF CHILDREN WITH DYSLEXIA REVEAL VISUAL STATISTICAL LEARNING IMPAIRMENT
Sonia Singh¹, Anne Walk², & Christopher M. Conway¹
¹Georgia State University, ²University of Illinois at Urbana-Champaign
POSTER 2-38
EMOTION PROCESSING FOR MULTIPLE FACES DEMANDS AS MUCH ATTENTION AS SINGLE FACE
Luyan Ji, & Gilles Pourtois
Ghent University

POSTER 2-39
EVENT-RELATED POTENTIALS DURING FACE PROCESSING OF INTERPERSONAL PSYCHOPATHY FACTORS
Mary C. Baggio, & Stephen D. Benning
University of Nevada, Las Vegas

POSTER 2-40
EVENT-RELATED-POTENTIAL CORRELATES OF THE CONGRUENCE-SEQUENCE EFFECT IN A CONFOUND-MINIMIZED TASK
Julia L. Feldman, & Antonio L. Freitas
Stony Brook University

POSTER 2-41
EXAMINING CORRESPONDENCE BETWEEN TRADITIONAL AND NOVEL MEASURES OF ELECTRODERMAL ACTIVITY
Rachel Tomko¹, Russell Clayton², & Timothy Trull³
¹Medical University of South Carolina, ²Florida State University, ³University of Missouri

POSTER 2-42
EXAMINING THE ROLE OF CARDIOVASCULAR FEEDBACK IN EMOTIONAL STARTLE POTENTIATION
Chris M. Fiacconi, & Adrian Owen
University of Western Ontario

POSTER 2-43
EXAMINING VISUAL SPATIAL ATTENTION USING RESPONSE-LOCKED EVENT RELATED POTENTIALS SHOWS DIFFERENCES IN POST-ATTENTIONAL PROCESSING
Brandi Lee Drisdelle, Gregory West, & Pierre Jolicoeur
Université de Montréal
POSTER 2-44
EXAMINING WOMEN'S COGNITIVE AND EMOTIONAL PROCESSING OF THIN, AVERAGE, AND PLUS SIZE FASHION MODELS DEPICTED IN THE MEDIA
Joshua Hendrickse, Rachel Secharan, & Russell Clayton
Florida State University

POSTER 2-45
ENERGY DENSITY DIFFERENTIALLY ALTERS EMOTIONAL RESPONSES TO HEALTH HALO AND NON-HEALTH HALO FOODS
Rachel Bailey, Jiawei Liu, Tianjiao Wang, Adrienne Muldrow, & C. Kit Kaiser
Washington State University

POSTER 2-46
EXPANDING OUR UNDERSTANDING OF SENSORY GATING IN AUTISM SPECTRUM DISORDERS
Jewel E. Crasta, William J. Gavin, & Patricia L. Davies
Colorado State University

POSTER 2-47
EXPLORING RELATIONSHIPS BETWEEN ELECTROENCEPHALOGRAM (EEG) THETA/BETA RATIOS, EMPATHY, REWARD SENSITIVITY AND ANXIETY
Sherona Garrett-Ruffin, & Elizabeth Herring
Bowling Green State University

POSTER 2-48
EXPLORING THE EFFERENCE COPY/COROLLARY DISCHARGE MECHANISM OF PREDICTIVE CODING IN RESPONSE TO CUED ACTION
Jerilynn Kent¹, Abraham Van Voorhis¹, Seung Suk Kang², & Scott R. Sponheim²
¹Minneapolis VA Health Care System, ²Minneapolis VA Health Care System/University of Minnesota

POSTER 2-49
EXPLORING THE ELECTROPHYSIOLOGICAL CORRELATES OF DEVELOPING INTELLIGENCE
George Spanoudis¹, Anna Tourva¹, Norbert Jausovec², & Andreas Demetriou³
¹University of Cyprus, ²University of Maribor, ³University of Nicosia
POSTER 2-50
ELECTROPHYSIOLOGICAL ABNORMALITIES DURING SPATIAL WORKING MEMORY IN PEOPLE WITH SCHIZOPHRENIA AND THEIR RELATIVES
Peter A. Lynn¹, & Scott R. Sponheim²
¹University of Minnesota/Minneapolis VA Health Care System, ²Minneapolis VA Health Care System; University of Minnesota

POSTER 2-51
EXTEROCEPTIVE STIMULUS OVERRIDES INTEROCEPTIVE STATE IN CONTROL OF REACTION SPEED
Xiao Yang¹, J. Richard Jennings², Bruce H. Friedman¹, Laura Braunstein¹, Hanna Vohra³, Olivia Garcia³, & Alisa Huskey³
¹Virginia Polytechnic Institute & State University, ²University of Pittsburgh, ³Virginia Tech

POSTER 2-52
EXTERNALIZING PRONENESS AND BRAIN RESPONSE IN A MONETARY INCENTIVE DELAY TASK: RESULTS FROM A LARGE-SCALE FMRI STUDY
Jens Foell¹, Christopher J. Patrick¹, Angela Heinrich², Isabella Palumbo¹, Emily R. Perkins¹, & Herta Flor²
¹Florida State University, ²Central Institute of Mental Health

POSTER 2-53
EXTERNALIZING PSYCHOPATHOLOGY AND PERFORMANCE MONITORING: DIFFERENCES IN RESPONSE PATTERNS ACROSS DISORDERS
Melanie Bozzay¹, Konrad Bresin², & Edelyn Verona¹
¹University of South Florida, ²University of Illinois at Urbana-Champaign

POSTER 2-54
EMBODY YOUR POWER: THE PHYSIOLOGICAL IMPACT OF PERSONALIZED VS. STANDARDIZED ‘POWER POSES’ IN WOMAN WHO HAVE EXPERIENCED INTERPERSONAL VIOLENCE
Isabelle Bachrach¹, Andrea Fortunato¹, & Wendy D’Andrea²
¹The New School, ²The New School for Social Research
POSTER 2-55
FEELING SOCIAL? CARDIOVASCULAR REACTIVITY AND INTERPERSONAL DISTRESS IN READING THE MIND IN THE EYES
Nicholas Fehertoi¹, Andria Schmid¹, & Wendy D’Andrea²
¹The New School, ²The New School for Social Research

POSTER 2-56
FEELING THE (B)ERN? EXAMINING THE RELATIONSHIP BETWEEN ERROR MONITORING AND EMOTION PROCESSING
Yanli Lin, Ling Peng, Sean Roberts, Courtney Callahan, & Jason S. Moser
Michigan State University

POSTER 2-57
FINDINGS FROM MODELING PEAKS IN ELECTRODERMAL ACTIVITY DURING SLEEP AS A POINT PROCESS
Sara Taylor, Akane Sano, & Rosalind Picard
Massachusetts Institute of Technology

POSTER 2-58
FOSTERING EFFORTFUL CONTROL IN YOUNG CHILDREN WITH A BRIEF GROUP TRAINING: A NEUROBEHAVIORAL APPROACH
Sharon Lo, C. Emily Durbin, & Jason S. Moser
Michigan State University

POSTER 2-59
FUNCTIONAL CONNECTIVITY OF THE VENTRAL STRIATUM IN REMITTED DEPRESSED INDIVIDUALS WITH AND WITHOUT SUBSTANCE ABUSE HISTORY
Sophie DelDonno¹, Lisanne Jenkins¹, Natania Crane¹, Alyssa Barba¹, Catherine Dion¹, Kelly Ryan², & Scott Langenecker¹
¹University of Illinois at Chicago, ²University of Michigan
POSTER 2-60
GREATER SENSORY AROUSAL IMPedes
AFFECT RECOGNITION: Evidence Across
Olfactory and Auditory Domains
Ashley Culoso, Cara Keifer, Anthony Burns, Elliot
Keenan, & Matthew D. Lerner
Stony Brook University

POSTER 2-61
HAND MOTOR TASK: LATERALIZED READINESS
POTENTIALS AND HEMISPHERIC ASYMMETRY
Adithya Chandregowda¹, Yael Arbel², & Emanuel
Donchin¹
¹University of South Florida, ²Massachusetts General
Hospital Institute of Health Professions

POSTER 2-62
HANDGRIP STRENGTH DEGRADATION AS A
PHYSIOLOGICAL CORRELATE OF NARRATIVE
ENGAGEMENT
Brandon H. Nutting¹, Travis Loof², Collin K. Berke²,
& Charlie A. Dalldorf³
¹University of Nebraska-Lincoln, ²Texas Tech
University, ³University of South Dakota

POSTER 2-63
HEART RATE AND SUBJECTIVE DISCOMFORT
AS INDEXES OF CHANGE IN MIRROR
EXPOSURE
Sandra Díaz-Ferrer¹, Blanca Ortega-Roldán¹, M.
Carmen Pastor², Jose Luis Mata-Martín¹, Sonia
Rodríguez-Ruiz¹, M. Carmen Fernández-Santaella¹,
& Jaime Vila¹
¹University of Granada, ²Jaume I University of
Castellón

POSTER 2-64
HEART RATE VARIABILITY DURING BASELINE
AND SOCIAL TASKS DIFFERENTIATES
INDIVIDUALS WITH SOCIAL ANXIETY
DISORDER, SHYNESS, AND HEALTHY
CONTROLS
Christina Sheerin, Shaina Gulin, Roxann Roberson-
Nay, & Scott Vrana
Virginia Commonwealth University
POSTER 2-65
HEART RATE VARIABILITY DURING LIGHT EXPOSURE AND SUBSEQUENT NETWORK CONNECTIVITY PATTERNS
John R. Vanuk, John J.B. Allen, & William D.S. Killgore
University of Arizona

POSTER 2-66
HEART RATE VARIABILITY’S ASSOCIATION WITH BEHAVIORAL MEASURES OF EMOTION REGULATION
Jackson M. Gray, Sarah E. Garcia, & Erin C. Tully
Georgia State University

POSTER 2-68
HIGH AND LOW HEART RATE VARIABILITY ARE ASSOCIATED WITH NEGATIVE ATTRIBUTIONAL STYLE
Sarah E. Vogt, Jackson M. Gray, Meghan R. Donohue, & Erin C. Tully
Georgia State University

POSTER 2-69
HIGH SOCIAL COMPETITIVENESS AND N2 ACTIVATION: AN ARGUMENT FOR REDUCED NEURAL RESOURCE UTILIZATION
Andrea M. Tountas1, Farah Alkhafaf1, Jena Michel1, Shannin Moody2, Yoojin Lee2, Elizabeth Shirtcliff2, & Connie Lamm1
1University of New Orleans, 2Iowa State University

POSTER 2-70
HIGH TRAIT FEAR IS ASSOCIATED WITH OVER-GENERALIZATION AND IMPAIRED INHIBITION OF CLASSICALLY CONDITIONED FEAR
Ashley L.T. Wright, Madeline R. Jefferson, Nikki C. Degeneffe, Melissa P. Hartnell, Samuel E. Cooper, & Shmuel Lissek
University of Minnesota - Twin Cities Campus

POSTER 2-71
HOW HIGHLY ORIGINAL PEOPLE SOLVE NON-CREATIVE TASKS: AN EEG STUDY
Yuri G. Pavlov, Dmitry I. Shiryaev, & Nadezhda V. Tulenina
Ural Federal University
POSTER 2-72
HOW LONG IS LONG ENOUGH? HEART RATE VARIABILITY, HEART RATE, AND BLOOD PRESSURE RESPONSES FOLLOWING A SIX HOUR CAFFEINE ABSTENTION
Shara S. Grant\textsuperscript{1}, Bruce H. Friedman\textsuperscript{1}, Alisa Huskey\textsuperscript{1}, Justin B. White\textsuperscript{2}, & Kye Kim\textsuperscript{3}
\textsuperscript{1}Virginia Polytechnic Institute and State University, \textsuperscript{2}Carilion Clinic, \textsuperscript{3}Virginia Tech Carilion School of Medicine; Carilion Clinic

POSTER 2-73
IF OR WHEN? UNCERTAINTY AND ANXIETY
Ken P. Bennett, Christine L. Larson, & Jacqueline Dickmann
University of Wisconsin-Milwaukee

POSTER 2-74
IMMEDIATE AND LONG-TERM EFFECTS OF EMOTION REGULATION: A BEHAVIORAL AND EYE-TRACKING INVESTIGATION OF FOCUSED ATTENTION
Margaret M. O’Brien\textsuperscript{1}, Alexandru D. Iordan\textsuperscript{1}, Anna Madison\textsuperscript{1}, Yuta Katsumi\textsuperscript{1}, Zachary Bertels\textsuperscript{1}, Christine Richards\textsuperscript{1}, Simona Buetti\textsuperscript{1}, Alejandro Lleras\textsuperscript{1}, Sandra Dolcos\textsuperscript{1}, & Florin Dolcos\textsuperscript{2}
\textsuperscript{1}University of Illinois at Urbana Champaign, \textsuperscript{2}University of Illinois at Urbana-Champaign & Beckman Institute for Advanced Science & Technology

POSTER 2-75
IMPACT OF PANIC ON PSYCHOPHYSIOLOGICAL AND NEURAL REACTIVITY TO UNPREDICTABLE THREAT IN DEPRESSION AND ANXIETY
Lynne Lieberman, Stephanie Gorka, Stewart A. Shankman, & K. Luan Phan
University of Illinois at Chicago

POSTER 2-76
IMPULSIVITY MODERATES THE PROSPECTIVE RELATIONSHIP BETWEEN SYMPATHETIC NERVOUS SYSTEM AROUSAL AND SELF-INJURIOUS THOUGHTS AND BEHAVIORS
Jaclyn Aldrich, Madeline Wielgus, Lauren Hammond, & Amy Mezulis
Seattle Pacific University
POSTER 2-77
INCREASED EEG BETA-2 ACTIVITY IN ATTENTIONAL AND VIGILANCE TASKS DURING DYNAMIC POSTURAL CONTROL
Diana Henz, Johanna Maus, & Wolfgang I. Schöllhorn
University of Mainz

POSTER 2-78
INCREASED RESPIRATORY SINUS ARRHYTHMIA DURING RECOVERY PREDICTS SOCIAL AWARENESS DEFICITS
Emma E. Condy, & Bruce H. Friedman
Virginia Polytechnic Institute and State University

POSTER 2-79
INDIVIDUAL DIFFERENCES IN INTEROCEPTIVE SENSITIVITY AND ERROR MONITORING
Yuya Maruo1, Werner Sommer2, & Hiroaki Masaki3
1Waseda University, Matsuyama University,
2Humboldt-Universitaet at Berlin, 3Waseda University

POSTER 2-80
ERROR-RELATED NEGATIVITY PREDICTS IMPROVEMENT OF A SEQUENCE MOTOR LEARNING
Takuto Matsuhashi1, Sidney Segalowitz2, Yuichiro Nagano3, & Hiroaki Masaki1
1Waseda University, 2Brock University, 3Bunkyo Gakuin University

POSTER 2-81
INDIVIDUAL DIFFERENCES IN THE PROPENSITY TO ATTRIBUTE INCENTIVE SALIENCE TO FOOD-RELATED CUES PREDICT EATING BEHAVIOR IN HUMANS
Francesco Versace1, Menton M. Deweese2, Jeffrey Engelmann2, Kimberly N. Claiborne2, Jennifer Ng2, Hannah L. Stewart2, Danika Dirba2, & Susan Schembre2
1University of Oklahoma Health Sciences Center,
2University of Texas MD Anderson Cancer Center
POSTER 2-82
INFLUENCE OF ACUTE STRESS ON INHIBITORY CONTROL - DOES AGE MATTER? AN ERP STUDY
Angelika M. Dierolf¹, Daniela Schoofs¹, Eve Hessas¹, Marcus Paul¹, Boris Suchan¹, Michael Falkenstein², & Oliver T. Wolf¹
¹Ruhr-University Bochum, ²Institut für Arbeiten Lernen Altern GmbH

POSTER 2-83
INHIBITORY CONTROL ERPS PREDICT FORGIVENESS OF INTERPERSONAL BETRAYAL: EVIDENCE FROM A STOP-SIGNAL REACTION TIME TASK
Erin N. Burdwood, Emilio A. Valadez, & Robert F. Simons
University of Delaware

POSTER 2-84
THE ROLE OF PRIOR BRAND EXPERIENCE IN PROCESSING ADVERTISING
Lucy Simmonds, Steven Bellman, Rachel Kennedy, Svetlana Bogomolova, & Magda Nenycz-Thiel
University of South Australia
Friday, September 23
Poster Session III
Ballroom 3 (Lobby Level)

8:00 a.m. – 10:00 a.m. Posts Assembled
10:00 a.m. – 6:30 p.m. Posters Available for Viewing
6:30 p.m. – 8:30 p.m. Authors Present for Discussion and Questions
8:30 p.m. – 9:30 p.m. Dismantle Posters

POSTER 3-1
INITIAL-LETTER POSITION MODULATES SPATIAL ATTENTION TOWARDS JAPANESE HIRAGANA STRINGS
Yasuko Okumura¹, Tetsuko Kasai², Ryuji Takeya², & Harumitsu Murohashi²
¹National Center of Neurology and Psychiatry, ²Hokkaido University

POSTER 3-2
INTEGRATIVE BODY-MIND TRAINING IMPROVES BRAIN ACTIVITY IN SELF-CONTROL NETWORK AND REDUCES DEPRESSION
Yi-Yuan Tang¹, & Rongxiang Tang²
¹Texas Tech University, ²Washington University at St. Louis

POSTER 3-3
INTEGRATIVE BODY-MIND TRAINING IMPROVES IMMUNOLOGY AND PHYSIOLOGICAL FUNCTIONS IN AGING POPULATION
Rongxiang Tang
Washington University at St. Louis

POSTER 3-4
IRRITABILITY IN YOUNG ADULTS IS ASSOCIATED WITH REDUCED REWARD RESPONSIVITY
Christen Deveney
Wellesley College
POSTER 3-5
IS AUDITORY MISMATCH NEGATIVITY IMPAIRED IN CHILDREN WITH AUTISM SPECTRUM DISORDER? A META-ANALYSIS INVESTIGATION
Wen-Pin Chang
Creighton University

POSTER 3-6
MENTAL TASK FULFILLMENT UNDER MODERATE EXPERIMENTAL HYPOXIA
Natalia V. Shemyakina, Zhanna V. Nagornova, Eduard A. Burykh, & Svyatoslav I. Soroko
Russian Academy of Sciences (IEPhB RAS)

POSTER 3-7
IS CONFLICT AVERSIVE? AN ERP INVESTIGATION INTO THE INTRINSIC COSTS OF COGNITIVE CONTROL
Curtis Von Gunten, & Bruce D. Bartholow
University of Missouri

POSTER 3-8
IS NEGATIVITY BIAS REDUCED BY VIOLENT GAME EXPOSURE? EXAMINING ERP AFFECTIVE MODULATION THROUGH EMOTIONAL PICTURE PROCESSING
Satoko Kurita¹, Shunya Omori², Jun’ichi Katayama², & Annie Lang³
¹Mie University, ²Kwansei Gakuin University, ³Indiana University, Bloomington

POSTER 3-9
IS THERE A COGNITIVE COST TO COGNITIVE REAPPRAISAL?
Andrew D. Wiese, Melody Roberts, Catlin Pearson, Seung-Lark Lim, & Diane L. Filion
University of Missouri - Kansas City

POSTER 3-10
JUST BEAT IT: BINAURAL BEATS IN THE BETA FREQUENCY
Kyle Woisard, Wayne Stafford, Phillip Klineberger, Kelly Harrison, & David Harrison
Virginia Tech
POSTER 3-11
LATE POSITIVE POTENTIAL AND POSTERIOR ALPHA IN LONG-TERM FEAR CONDITIONING - ASSOCIATIONS WITH COMT VAL158MET POLYMORPHISM
Christian Panitz¹, Christiane Hermann², Jürgen Hennig², Tim Klucken², Andreas Keil³, & Erik M. Mueller¹
¹Marburg University, Justus Liebig University Giessen, ²Justus Liebig University Giessen, ³University of Florida

POSTER 3-12
LIE TO ME – OR NOT? AN EXPERIMENTAL INVESTIGATION OF SELF-CHOSEN DECEPTION
Kristina Suchotzki, & Matthias Gamer
University of Würzburg

POSTER 3-13
LINGUISTIC HEMISPHERIC LATERALIZATION IN PATIENTS WITH MAJOR DEPRESSIVE DISORDER: EVIDENCE FROM HIGH-FREQUENCY BETA EEG BAND
Zaira Romeo, Alessandro Angrilli, & Chiara Spironelli
University of Padova

POSTER 3-14
LINKING SOCIAL ANXIETY AND AUTONOMIC RESPONSES TO SOCIAL STRESS IN PREADOLESCENCE
Alexander Kaeppler, & Stephen Erath
Auburn University

POSTER 3-15
LISTENING TO EMOTION ON DIFFERENT CHANNELS: PHYSIOLOGICAL AND BEHAVIOURAL RESPONSES TO CONSISTENT AND INCONSISTENT COMMUNICATION
Hedwig Eisenbarth
University of Southampton
POSTER 3-16
LONGITUDINAL CHANGES IN CEREBROVASCULAR HEALTH ON WHITE MATTER MICROSTRUCTURE AND COGNITIVE PERFORMANCE
Alexander Conley¹, Todd Jolly¹, Jaime Rennie¹, Patrick Cooper¹, Grant Bateman¹, Mark Parsons¹, Chris Levi¹, Natalie Phillips², Patricia Michie¹, & Frini Karayanidis²
¹University of Newcastle, Australia, ²Concordia University

POSTER 3-17
LOW PURSUIT FOR HIGHLY-EXPECTED REWARDS
Kellie Ann Lee¹, Brandon Joachim¹, Vivian Khedari¹, & Wendy D’Andrea²
¹The New School, ²The New School for Social Research

POSTER 3-18
MAJOR DEPRESSION REDUCES ATTENTIONAL ALLOCATION TO WORD STIMULI INVOLVING PEOPLE AS INDICATED BY THE P3B
Erik Benau¹, Aminda O’Hare², Linzi Gibson³, Stephen Ilardi¹, & Ruth Ann Atchley¹
¹University of Kansas, ²University of Massachusetts at Dartmouth, ³Washburn University

POSTER 3-19
MATTERS OF THE HEART: CHILDHOOD TRAUMA EXPOSURE AND SYMPTOMS AFFECT AUTONOMIC AROUSAL AND HEALTH
Vivian Khedari¹, Erin Stafford¹, Steven Freed¹, Jonathan DePierro¹, Ashley Doukas¹, Reese Minshew², Catherine McGreevy³, Greg Siegle⁴, & Wendy D’Andrea⁵
¹The New School, ²Hamilton College, ³Teachers College Columbia University, ⁴University of Pittsburgh, ⁵The New School for Social Research

POSTER 3-20
IS AUDITORY REPETITION SUPPRESSION INTACT IN SCHIZOPHRENIA?
Christian A. Andreaggi, Brian A. Coffman, Sarah M. Haigh, Timothy K. Murphy, & Dean F. Salisbury
University of Pittsburgh School of Medicine
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MISMATCH NEGATIVITY TO PAIRED-TONES IN FIRST-EPISODE SCHIZOPHRENIA
Alexis G. McCathern, Sarah M. Haigh, Brian A. Coffman, Timothy K. Murphy, Kayla L. Ward, & Dean F. Salisbury
University of Pittsburgh School of Medicine

POSTER 3-22
MISMATCH NEGATIVITY TO VIOLATIONS OF CATEGORICAL PERCEPTION OF SYLLABLES IN LONG-TERM AND FIRST-EPISODE SCHIZOPHRENIA
Rebecca M. Laher, Timothy K. Murphy, Sarah M. Haigh, Brian A. Coffman, Kayla L. Ward, & Dean F. Salisbury
University of Pittsburgh School of Medicine

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PILOT STUDY ON THE EFFECTS OF WITHANIA SOMNIFERA ON ELECTROPHYSIOLOGICAL MEASURES OF SENSORY AND COGNITIVE PROCESSING IN SCHIZOPHRENIA
Paulina S. Marell¹, Timothy K. Murphy¹, Jaspreet Brar², Patricia Schlicht², Sarah M. Haigh¹, Brian A. Coffman¹, Kayla L. Ward¹, K.N. Roy Chengappa², & Dean F. Salisbury¹
¹University of Pittsburgh School of Medicine,
²University of Pittsburgh Medical Center

POSTER 3-24
SCHIZOPHRENIA PRODROME DURATION AND MMN AT FIRST EPISODE
Timothy K. Murphy, Sarah M. Haigh, Brian A. Coffman, Kayla L. Ward, & Dean F. Salisbury
University of Pittsburgh School of Medicine

POSTER 3-25
MULTILEVEL MODELS FOR CHARACTERIZING DYADIC PSYCHOPHYSIOLOGICAL REACTIVITY
Hogan Jasara, Alexander Crenshaw, Stacia Bourne, Robert Kent de Grey, Nicholas Perry, Carolynne Baron, Janna Dickenson, Katherine Baucom, & Brian Baucom
University of Utah
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MULTIVARIATE PHASE COVARIANCE ANALYSIS: A NEW APPROACH TO REVEALING FUNCTIONAL CONNECTIVITY IN EEG TIME-SERIES
Kyle J. Curham, & John J.B. Allen
University of Arizona

POSTER 3-27
N1 TO DISTRACTOR TONES IS AFFECTED BY TONE SALIENCE AND PRIMARY TASK DIFFICULTY
Patrick L. Woody, Andrea Perez-Muñoz, James W. Rogers, Jamonté D. Wilson, & Jeffrey J. Sable
Christian Brothers University

POSTER 3-28
N400 TO EXPECTED BUT NOT PRESENTED EMOTIONAL SOUNDS
Boris Kotchoubey¹, & Yuri G. Pavlov²
¹University of Tuebingen, ²Ural Federal University

POSTER 3-29
NEGATIVE AFFECT INTERFERENCE AND EROTIC CONTENT IN SURVIVORS OF SEXUAL TRAUMA
Andria Schmid¹, Wendy D’Andrea², Greg Siegle³, & Jonathan DePierro¹
¹The New School, ²The New School for Social Research, ³University of Pittsburgh

POSTER 3-30
NEGATIVE ATTITUDES ABOUT TOUCH PREDICT VAGAL RESPONSE TO STRESS
C. Jessie Duncan, David Parkhurst, Nicole A. Roberts, & Mary H. Burleson
Arizona State University

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NEURAL CORRELATES OF SELF-PERCEPTION IN INDIVIDUALS WHO VARY IN SOCIAL ENGAGEMENT
Sarah E. McKinzie¹, & Lauren Ethridge²
¹University of Oklahoma, ²University of Oklahoma Health Sciences Center
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NEURAL SYNCHRONIZATION DEFICITS LINKED TO CORTICAL HYPER-EXCITABILITY AND AUDITORY SENSITIVITY IN FRAGILE X SYNDROME
Lauren E. Ethridge¹, Stormi P. White², Matthew W. Mosconi³, Jun Wang⁴, Craig A. Erickson⁵, Matthew J. Byerly⁶, & John A. Sweeney⁵
¹University of Oklahoma, ²University of Texas Southwestern Medical Center, ³University of Kansas, ⁴Zhejiang University of Technology, ⁵University of Cincinnati, ⁶Montana State University

POSTER 3-33
NEURAL MECHANISMS OF ATTENTIONAL PROCESSING UNDERLIE THE LINK BETWEEN ANXIETY AND EMOTIONAL EATING
Eric Rawls, Greg Denke, Mejdy M. Jabr, Carl A. Armes, Diana A. Hobbs, & Connie Lamm
University of New Orleans

POSTER 3-34
NEURAL PROCESSING OF EXECUTIVE FUNCTION: THE PARIETAL P3B IN PRESCHOOL CHILDREN
Amanda Tarullo¹, Ashley St. John¹, Stacey Doan², & Srishti Nayak¹
¹Boston University, ²Claremont McKenna College

POSTER 3-35
NEURAL SEX DIFFERENCES DURING CONTROL OF SOCIAL ATTITUDES
Megan M. Filkowski, Ian W. Anderson, & Brian W. Haas
University of Georgia

POSTER 3-36
SELF-REPORTED ATTENTION TO EMOTIONAL STIMULI IS HEIGHTENED WHEN LISTENING TO OWN BODY SOUNDS
Megan Strowger¹, C. Alix Timko², & Stephen Moelter¹
¹University of the Sciences in Philadelphia, ²University of Pennsylvania, Children’s Hospital of Philadelphia
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NEUROMETRIC VARIATION OF DECISION CONFLICT: NEUROPHYSIOLOGICAL SIGNALS DURING INTERTEMPORAL CHOICE
Hause Lin, Blair Saunders, Cendri Hutcherson, & Michael Inzlicht
University of Toronto

POSTER 3-38
SELF-COMPASSION, HAND-HOLDING, AND ERROR-REACTIVITY: EFFECTS OF INTERPERSONAL TOUCH FROM A ROMANTIC PARTNER ON SUBJECTIVE EXPERIENCE AND NEURAL PERFORMANCE MONITORING
Blair Saunders, & Michael Inzlicht
University of Toronto

POSTER 3-39
OBSERVED DYNAMIC SOCIAL INTERACTIONS FACILITATE COOPERATION IN SUBSEQUENT DECISION-MAKING: AN ERP INVESTIGATION
Matthew Moore1, Yuta Katsumi1, Florin Dolcos1-2, & Sanda Dolcos1
1University of Illinois, Urbana-Champaign, 2Beckman Institute for Advanced Science & Technology

POSTER 3-40
OBSERVING DYNAMIC INTERGROUP SOCIAL INTERACTIONS MODULATES SPATIAL AND TEMPORAL DYNAMICS OF THE SOCIAL COGNITION NETWORK
Yuta Katsumi1, Matthew Moore1, Florin Dolcos1-2, & Sanda Dolcos1
1University of Illinois, Urbana-Champaign, 2Beckman Institute for Advanced Science & Technology

POSTER 3-41
OVERGENERALIZATION OF CONDITIONED FEAR IS A PATHOGENIC MARKER OF PTSD AFTER CONTROLLING FOR EFFECTS OF DYSPHORIA
Adrienne Manbeck1, Samuel E. Cooper2, Brian Van Meurs1, Scott R. Sponheim2, & Shmuel Lissek1
1University of Minnesota – Twin Cities Campus, 2Minneapolis VA Health Care System; University of Minnesota
POSTER 3-42
P300 RESPONSES TO NOVEL POSITIVELY VALENCED STIMULI ARE NEGATIVELY CORRELATED WITH DISENGAGEMENT AS A COPING STRATEGY
Katie Lehockey1, Kelly Bickel2, Alexandra Stephenson3, Eric Watson4, Jonathan Highsmith5, & D. Erik Everhart3
1MedStar National Rehabilitation Hospital, 2Case Western Reserve University, 3East Carolina University, 4Mount Sinai Health System; East Carolina University, 5Southwest Texas Veterans Healthcare System

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P300B AND LPP-INDEXED CUE REACTIVITY IN NON-PATHOLOGICAL GAMBLERS
Derek J. Fisher1, Katelyn Mc Kearney2, Laura Smith2, Emma Carter2, Kathryn McNeil2, Anne Sophie Champod3, & Will Shead2
1Mount Saint Vincent University; Dalhousie University, 2Mount Saint Vincent University, 3Acadia University

POSTER 3-44
PARASYMPATHETIC REACTIVITY TO FEAR AND TODDLER INHIBITION INTERACTIVELY PREDICT PRESCHOOL INHIBITION
Sarah Kahle1, Kenneth Rubin2, Amy E. Root3, & Paul D. Hastings1
1University of California, Davis, 2University of Maryland, 3West Virginia University

POSTER 3-45
PARENTING IS ASSOCIATED WITH DELTA-BETA COUPLING IN PRESCHOOLERS
Reema Najjar, & Rebecca J. Brooker
Montana State University

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PAYING ATTENTION TO SMARTPHONE ADDICTION
Frances H. Martin, & Kylie Campling
University of Newcastle
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PERCEIVED CONTROL INCREASES THE STIMULUS PRECEDING NEGATIVITY AND REWARD POSITIVITY
Douglas J. Angus¹, Christina Steindl², Eva Jonas², Cindy Harmon-Jones¹, & Eddie Harmon-Jones¹
¹University of New South Wales, ²University of Salzburg

POSTER 3-48
PHYSICAL ACTIVITY FOR THE BRAIN, BUT FOR WHOM?
Eric S. Drollette¹, Lauren B. Raine¹, Mark R. Scudder¹, Shih-Chun Kao¹, Daniel R. Westfall¹, Matthew B. Pontifex², Naima A. Khan¹, Neal J. Cohen¹, Arthur F. Kramer³, & Charles H. Hillman³
¹University of Illinois at Urbana-Champaign, ²Michigan State University, ³Northeastern University

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PHYSIOLOGICAL AND SUBJECTIVE EMOTIONAL RESPONSES IN SOCIAL ANXIETY
Georgia Panayiotou, Maria Karekla, Dora Georgiou, & Michaella Siamata
University of Cyprus

POSTER 3-50
PHYSIOLOGICAL REACTIVITY TO FAVORITE FOODS IN HEALTHY WOMEN
Rafael Delgado, Laura Miccoli, Pedro Guerra, Carmen Gervilla, Alicia Sánchez-Adam, Sonia Rodríguez-Ruiz, Jaime Vila, & M. Carmen Fernández-Santaella
University of Granada

POSTER 3-51
MODERATORS OF OPTIMAL FORAGING IN A MODERN CONTEXT: PROCESSING SEX AND FOOD STIMULI IN THE DARK
Rachel Bailey, Jiawei Liu, Tianjiao Wang, & C. Kit Kaiser
Washington State University
POSTER 3-52
POOR SLEEPERS HAVE DECREASED P300 LATENCY FOR POSITIVELY-VALENCE SLEEP IMAGES
Eric Watson¹, Alexandra Stephenson², & D. Erik Everhart²
¹Mount Sinai Health System; East Carolina University,
²East Carolina University

POSTER 3-53
POSTAURICULAR AND STARTLE BLINK REFLEXES CAPTURE ANTICIPATORY AND CONSUMMATORY EMOTIONAL DEFICITS IN PSYCHOPATHY
Stephany M. Molina, Meghan E. Pierce, & Stephen D. Benning
University of Nevada, Las Vegas

POSTER 3-54
POSTTRAUMATIC STRESS DISORDER AND P3 RESPONSES TO AVERSIVE COMBAT PICTURES AMONG MILITARY VETERANS
Julie Flannery¹, Craig Marquardt², Seung Suk Kang³, & Scott R. Sponheim³
¹Minneapolis VA Health Care System, ²University of Minnesota, ³Minneapolis VA Health Care System/University of Minnesota

POSTER 3-55
PRINCIPAL COMPONENTS ANALYSIS OF MOCK GAMBLING TASK ERPS REVEALED NEGATIVITY SPECIFIC TO NONREWARDS
Emilio A. Valadez, Kelly N. Farrell, & Robert F. Simons
University of Delaware

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PROACTIVE MAINTENANCE UNDER THREAT OF SHOCK IN THE AX-CPT
Tara A. Miskovich, Daniel M. Stout, Alexa N. Wild, & Christine L. Larson
University of Wisconsin - Milwaukee

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PROSODY IN SARCASM: DOES SEX MATTER?
Victoria A. Kazmerski, Dawn G. Blasko, Alysha Simmons, & Rachel Mooney
Pennsylvania State University, Erie, The Behrend College
POSTER 3-58
PROSPECTIVE LONGITUDINAL FUNCTIONAL CONNECTIVITY CORRELATES OF MILITARY TRAINING STRESS
Nicholas Davenport1, Erin Begnel2, & Lisa Keacher3
1Minneapolis VA Health Care System; University of Minnesota, 2University of Minnesota, 3Minneapolis VA Health Care System

POSTER 3-59
PROTECTIVE EFFECTS OF POSITIVE EMOTIONS
Jessica Busler, Alejandro Lazarte, & Jennifer Robinson
Auburn University

POSTER 3-60
PSYCHOPATHIC TRAITS RELATE TO LIGHT FLASH ERPS BUT ARE MEDIATED BY REAL-WORLD ATTENTION
Meghan Weissflog, & Sidney Segalowitz
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PSYCHOPHYSIOLOGICAL CORRELATES OF EMOTIONAL REGULATION
M. Carmen Pastor1, Nieves Fuentes1, Irene Jaén1, Raúl López2, Ignacio Lucas3, Eva Cifre3, & Jaime Vila3
1University Jaume I, 2University of Illes Balears, 3University of Granada

POSTER 3-62
PSYCHOPHYSIOLOGICAL MODEL OF COLOR-EMOTION SEMANTIC INTERACTION IS FOUR-DIMENSIONAL AND SPHERICAL
Andrey A. Kiselnikov1, Arkadiy A. Sergeev1, Dmitry A. Vinitsky1, Alexander V. Vartanov1, Stanislav A. Kozlovskiy1, & Julia A. Marakhina2
1Lomonosov Moscow State University, 2Lomonosov Moscow State University, Psychological Institute of Russian Academy of Education
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PUPILLARY INDICES OF ALTERATIONS IN COGNITIVE RESOURCE ALLOCATION IN TBI USING A DUAL TASK PARADIGM
Jessica Kegel¹, Jamie Hershaw², Sardeep Virk², Ashley Safford¹, Evelyn Cordero¹, & Mark L. Ettenhofer²
¹Henry M. Jackson Foundation/Uniformed Services University of the Health Sciences, ²Uniformed Services University of the Health Sciences

POSTER 3-64
QEEG IN TEENAGERS WITH PSYCHOPATHIC TRAIT
Ana Calzada-Reyes
Legal Medicine Institute

POSTER 3-65
REAPPRAISAL WITH A TWIST: EXPERIENTIAL, BEHAVIORAL, AND PHYSIOLOGICAL EFFECTS OF EMOTIONAL COUNTER-REGULATION
Sylvia D. Kreibig, Andrea C. Samson, & James J. Gross
Stanford University

POSTER 3-66
RED LIGHT, GREEN LIGHT: UNDERSTANDING THE PERCEPTUAL QUALITIES OF ALPHA INHIBITION AND THE ROLE OF ATTENTION IN ENTRAINMENT
Jonathan Kuziek, & Kyle E. Mathewson
University of Alberta

POSTER 3-67
REDUCED BETA-BAND AUDITORY STEADY-STATE RESPONSE IN BIPOLAR DISORDER WITH OR WITHOUT PSYCHOSIS: FINDINGS FROM THE BIPOLAR & SCHIZOPHRENIA NETWORK ON INTERMEDIATE PHENOTYPES
David Parker¹, Jennifer McDowell¹, Matcheri Keshavan², Carol Tamminga³, Godfrey Pearlson⁴, & Brett Clementz¹
¹University of Georgia, ²Harvard Medical School, ³University of Texas Southwestern Medical Center, ⁴Yale University School of Medicine & Hartford Hospital
POSTER 3-68
REDUCED FRN IN PROBLEM GAMBLERS BUT NO DIFFERENCES IN NEAR OUTCOME PROCESSING COMPARED TO CONTROLS
Natalie Ulrich¹, & Johannes Hewig²
¹University of Würzburg, ²Julius-Maximilians-University Würzburg

POSTER 3-69
RELATIONAL MEMORY IN INFANTS: 9-MONTH-OLD INFANTS CAN REACTIVATE VISUAL AREAS TO ASSOCIATED SOUNDS FOLLOWING SINGLE PRESENTATION OF SOUND-VIDEO PAIRINGS
John A. Walker, Kathy A. Low, Neal J. Cohen, Monica Fabiani, & Gabriele Gratton
University of Illinois, Urbana-Champaign

POSTER 3-70
RELATIONSHIP BETWEEN RESTING LF/HF HEART RATE VARIABILITY AND IN-VIVO AGGRESSION
Alexander Puhalla¹, Dan Kulper¹, Mitchell Berman², & Michael McCloskey¹
¹Temple University, ²Mississippi State University

POSTER 3-71
RELIABILITY OF FMRI AND EEG MEASURES OF REWARD RESPONSE DURING CHILDHOOD AND EARLY ADOLESCENCE
Katherine R. Luking¹, Brady D. Nelson¹, Zachary P. Infantolino², Colin L. Sauder², & Greg Hajcak¹
¹Stony Brook University, ²University of Delaware, ³University of Texas Health Science Center at San Antonio

POSTER 3-72
SEX DIFFERENCES IN THE ANTICIPATION OF DIFFERENT TYPES OF PREDICTABLE AND UNPREDICTABLE THREAT
Kreshnik Burani, Brady D. Nelson, & Greg Hajcak
Stony Brook University
POSTER 3-73
RESTING CARDIAC AUTONOMIC BALANCE (CAB) PREDICTS CURRENT MAJOR DEPRESSIVE DISORDER
Peter J. Ehmann, Christopher J. Brush, Ryan L. Olson, & Brandon L. Alderman
Rutgers University

POSTER 3-74
RESTING-STATE FUNCTIONAL CONNECTIVITY OF ANTERIOR CINGULATE CORTEX AND SUBSTANCE USE: A CO-TWIN CONTROL ANALYSIS
Scott Burwell, Stephen Malone, Kathleen Thomas, Ruskin Hunt, & William Iacono
University of Minnesota

POSTER 3-75
MONETARY AND SOCIAL REWARD IN EARLY ADOLESCENCE AND EMERGING ADULTHOOD
Paige Ethridge¹, Autumn J. Kujawa², Kodi B. Arfer³, Ellen M. Kessel³, Daniel N. Klein³, & Anna Weinberg¹
¹McGill University, ²University of Illinois at Chicago, ³Stony Brook University

POSTER 3-76
SELECTIVE ATTENTIONAL BIAS TO EXPLICITLY AND IMPLICITLY PREDICTABLE OUTCOMES
Noelia Do Carmo Blanco¹, Jeremie Jozefowiez¹, & John J.B. Allen²
¹University of Lille, ²University of Arizona

POSTER 3-77
OBESE AND HEALTHY WOMEN: ELECTRODERMAL AND FACIAL REACTIONS TO PREFERRED FOODS AND AFFECTIVE CUES
Laura Miccoli, Rafael Delgado, Pedro Guerra, Sonia Rodríguez-Ruiz, Jaime Vila, & M. Carmen Fernández-Santaella
University of Granada

POSTER 3-78
SELF-FACE PROCESSING AND SUICIDE ATTEMPTS AMONG DEPRESSED ADOLESCENTS
Ariel Currie¹, Mitchell Sauder¹, Hannah Scott¹, Garry Smyda², & Karina Quevedo¹
¹University of Minnesota, ²University of Pittsburgh
POSTER 3-79
NEURAL CORRELATES OF SELF-PROCESSING IN DEPRESSED AND MALTREATED ADOLESCENTS
Kiry Koy¹, Christine Egan¹, Mitchell Sauder¹,
Hannah Scott¹, Garry Smyda², Jennifer Pfeifer³, &
Karina Quevedo¹
¹University of Minnesota, ²University of Pittsburgh,
³University of Oregon

POSTER 3-80
SENSITIVE CHARACTERISTICS OF THE HEART RATE VARIABILITY
Evgeny Vaschillo, Bronya Vaschillo, Jennifer Buckman, Gurpreet Singh, & Marsha Bates
Rutgers, The State University of New Jersey

POSTER 3-81
SEX DIFFERENCES IN LATERALITY THROUGH MOTOR FUNCTION AND CONCURRENT CEREBRAL REGULATION OF AUTONOMIC NERVOUS SYSTEM TASKS
Grace Herrick, Benjamin DeVore, Kelly Harrison, & David Harrison
Virginia Tech

POSTER 3-82
RESPIRATORY SINUS ARRHYTHMIA AS AN INDICATOR OF EMOTIONAL AROUSAL DURING COMPREHENSION OF A SEDUCTIVE SCIENTIFIC TEXT
Michael C. Mensink¹, Jacob Achtemeier², & Paige Lysne³
¹University of Wisconsin-Stout, ²University of Minnesota, ³University of Florida

POSTER 3-83
SHAPE OF THINGS TO COME: FACIAL ELECTROMYOGRAPHY VS AUTOMATIC FACIAL CODING VIA FACET
Arvid Kappas, Dennis Kuester, Pasquale Dente, & Christina Basedow
Jacobs University Bremen

POSTER 3-84
SKIN CONDUCTANCE REVEALS AN EFFECT OF MOOD ON REWARD-BASED IMPULSIVITY
Jeanette Taylor
Florida State University
POSTER 3-85
SPATIOTEMPORAL DYNAMICS OF ATTENTION: COMBINED REPRESENTATIONAL SIMILARITY ANALYSIS OF FUNCTIONAL MAGNETIC RESONANCE IMAGING DATA AND EVENT-RELATED BRAIN POTENTIALS
Kimmo Alho¹, Emma Salo¹, Juha Salmi², & Viljami Salmela¹
¹University of Helsinki & Aalto University, ²University of Helsinki, Aalto University & Abo Akademi University

POSTER 3-86
TO FLEE OR NOT TO FLEE: FRONTAL ACTIVATION PATTERNS AND BEHAVIOR IN A VIRTUAL T-MAZE
Johannes Rodrigues¹, Mathias Müller¹, Andreas Mühlinger², & Johannes Hewig³
¹Julius-Maximilians-Universität Würzburg, ²Universität Regensburg, ³Julius-Maximilians-University Würzburg
Saturday, September 24
Poster Session IV
Ballroom 3 (Lobby Level)

8:00 a.m. – 10:00 a.m.  Posters Assembled
10:00 a.m. – 3:30 p.m.  Posters Available for Viewing
3:30 p.m. – 5:30 p.m.  Authors Present for Discussion and Questions
5:30 p.m. – 6:30 p.m.  Dismantle Posters

POSTER 4-1
SMALLER AMYGDALA VOLUME AND INCREASED NEUROTICISM PREDICT ANXIETY SYMPTOMS IN HEALTHY SUBJECTS: A VOLUMETRIC APPROACH USING MANUAL TRACING
Yifan Hu¹, Zachariah Bertels¹, Benjamin Olivari¹, Audra Chaves¹, Matthew Moore¹, Sanda Dolcos¹, & Florin Dolcos²
¹University of Illinois at Urbana-Champaign,
²University of Illinois at Urbana-Champaign & Beckman Institute for Advanced Science & Technology

POSTER 4-2
SMOOTHING SPLINE ANOVA MODELS FOR ANALYZING EVENT-RELATED POTENTIAL DATA
Nathaniel E. Helwig
University of Minnesota

POSTER 4-3
SNAKES AND SPIDERS, BUT NOT POINTED GUNS, RESIST INSTRUCTED EXTINCTION AFTER DIFFERENTIAL FEAR CONDITIONING
Camilla C. Luck, & Ottmar V. Lipp
Curtin University
POSTER 4-5
SPATIO-TEMPORAL DYNAMICS OF THE RESPONSE TO EMOTIONAL DISTRACTION: A MULTIMODAL BRAIN IMAGING INVESTIGATION
Alexandru D. Iordan¹, Matthew Moore¹, Yuta Katsumi¹, Ryan Larsen¹, Edward L. Maclin¹, Andrea Shafer², Anthony Singhal³, Sanda Dolcos¹, Bradley P. Sutton¹, Monica Fabiani¹, Gabriele Gratton¹, & Florin Dolcos⁴
¹University of Illinois at Urbana-Champaign, ²Wayne State University, ³University of Alberta, ⁴University of Illinois at Urbana-Champaign & Beckman Institute for Advanced Science & Technology

POSTER 4-6
STABILITY AND RELIABILITY OF ERROR-RELATED ELECTROMYOGRAPHIC ACTIVITY OVER THE CORRUGATOR SUPERCILII
Nathaniel Elkins-Brown, Blair Saunders, & Michael Inzlicht
University of Toronto

POSTER 4-9
STRESS INTERACTS WITH PRE-EJECTION PERIOD REACTIVITY TO REWARD TO PREDICT ANHEDONIA SYMPTOMS AMONG ADOLESCENTS
Joshua Ahles, Jaclyn Aldrich, Andrew Fox, & Amy Mezulis
Seattle Pacific University

POSTER 4-10
STRESS-RELATED CHANGES IN NEURAL MARKERS OF REGULATION IN PREGNANT WOMEN ARE BUFFERED BY SOCIAL SUPPORT
Lisa J. Schmall¹, Rebecca J. Brooker¹, & Elizabeth J. Kiel²
¹Montana State University Development of Mind and Emotion Lab, ²Miami University Behavior Emotion and Relationships Lab
STRUCTURAL EQUATION MODELING INDICATES VARYING ROLES OF ATTENTION IN CHILDREN PERFORMING A GO-NOGO TASK ACROSS SESSIONS
Brittany K. Taylor, Patricia L. Davies, & William J. Gavin
Colorado State University

TAKING OFF THE TRAINING WHEELS: MEASURING BRAIN ACTIVITY DURING OUTDOOR CYCLING USING AN ACTIVE WET EEG SYSTEM
Joanna Scanlon, Kimberly Townsend, Danielle Cormier, Jonathan Kuziek, & Kyle E. Mathewson
University of Alberta

THE VISION RHYTHM? ENTRAINMENT AT MULTIPLE FREQUENCIES REVEAL DIFFERENTIAL INTERACTIONS BETWEEN NEURAL OSCILLATIONS AND VISUAL PERCEPTION
Sayeed A.D. Kizuk¹, Ankur Banerjee¹, & Kyle E. Mathewson²
¹Neuroscience and Mental Health Institute, ²University of Alberta

TASK SWITCHING PERFORMANCE IN OLDER ADULTS IS LINKED TO GLOBAL AND TRACT-SPECIFIC CHANGES TO WHITE MATTER MICROSTRUCTURE
Frini Karayanidis¹, Todd Jolly¹, Patrick Cooper¹, Jaime Rennie¹, Christopher Levi¹, Rhoshel Lenroot², Patricia Michie¹, & Mark Parsons²
¹University of Newcastle, Australia, ²University of New South Wales, Australia

TECHNOLOGY AS AN ESCAPE MECHANISM: NEURAL CORRELATES ASSOCIATED WITH MULTIMEDIA MULTITASKING DURING FACE-TO-FACE INTERACTIONS
Mejdy M. Jabr¹, Eric Rawls¹, Connie Lamm¹, & Nathan Fox²
¹University of New Orleans, ²University of Maryland
POSTER 4-16
TEMPORAL DYNAMICS IN EEG BRAIN ACTIVITY IN THE DYNAMIC HEALTH QIGONG TECHNIQUES BA DUAN JIN AND YI JIN JING
Diana Henz, & Wolfgang I. Schöllhorn
University of Mainz

POSTER 4-17
TESTING THE EFFECTS OF ADOLESCENT ALCOHOL USE ON ADULT CONFLICT-RELATED THETA DYNAMICS
Jeremy Harper, Stephen Malone, & William Iacono
University of Minnesota

POSTER 4-18
THE SEVERITY OF BURNOUT AND RESPONSE TO THE MUSIC
Sergii Tukaiev, & Igor Zyma
National Taras Shevchenko University of Kyiv

POSTER 4-19
THE CONTROL SYSTEM AND FRONTAL ASYMMETRY: NEURAL CORRELATES OF ANXIOUS AND IMPULSIVE PERSONALITY
Lauren B. Neal, Jonathan P. Sowell, & Philip A. Gable
University of Alabama

POSTER 4-20
THE DYNAMIC INTERACTION OF EDUCATIONAL CONTENT AND PARENT CHILD CO-VIEWING ON CHILDREN’S PHASIC COGNITIVE PROCESSING OF MEDIATED MESSAGES
Collin K. Berke, Travis Loof, Rebecca Densley, Eric Rasmussen, & Justin R. Keene
Texas Tech University

POSTER 4-21
THE EFFECTS OF EMOTIONAL TRAJECTORIES IN ANTI-DRUG MESSAGES ON PSYCHOPHYSIOLOGICAL AROUSAL AND ATTITUDE AMBIVALENCE
Zachary P. Hohman, Justin R. Keene, Breanna N. Harris, & Elizabeth Niedbala
Texas Tech University
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SCHEDULE-AT-A-GLANCE

Tuesday, September 20, 2016
10:00 a.m.—6:00 p.m., Deer Lake (Lobby Level), Pre-Conference Workshop 1: ERP Mini-Boot Camp

Wednesday, September 21, 2016
8:30 a.m.—4:30 p.m., Deer Lake (Lobby Level), Pre-Conference Workshop 1: ERP Mini-Boot Camp (continued)
9:00 a.m.—5:00 p.m., Gray’s Bay (8th Floor), Pre-Conference Workshop 2: Time-Frequency Decomposition: Methods and Challenges
9:00 a.m.—5:00 p.m., Minnesota (6th Floor), Pre-Conference Workshop 3: Multilevel Modeling
12:00 noon-5:00 p.m., St. Croix 1 (6th Floor), Board of Directors Meeting
2:30 p.m.—7:30 p.m., Atrium, Registration
5:00 p.m.—9:00 p.m., Lake Harriet (8th Floor), Speaker Ready Room
6:30 p.m.—8:30 p.m., Ballroom 3 (Lobby Level), Opening Reception, Exhibits Open, and Poster Session I
6:30 p.m.—9:00 p.m., Atrium, Internet Station

Thursday, September 22, 2016
7:00 a.m.—5:00 p.m., Atrium, Registration
7:00 a.m.—6:00 p.m., Lake Harriet (8th Floor), Speaker Ready Room
8:00 a.m.—8:00 p.m., Atrium, Internet Station
8:00 a.m.—9:00 a.m., Lake Nokomis (8th Floor), Finance Committee
8:00 a.m.—9:15 a.m., Cedar Lake (Lobby Level), Chairs of Membership Enhancement Committees
8:30 a.m.—10:00 a.m., Minnesota (6th Floor), Symposium 1.1: LABORATORY TO LIFE: LINKING BRAIN RESPONSES TO PROBLEMS OF REAL WORLD FUNCTIONING IN SCHIZOPHRENIA
8:30 a.m.—10:00 a.m., Deer Lake (Lobby Level), Symposium 1.2: GETTING PAST THE NEGATIVITY: BUILDING A MECHANISTIC NEURAL MODEL OF COGNITIVE CONTROL
8:30 a.m.—10:00 a.m., Ballroom 1 (Lobby Level), Symposium 1.3: RECENT ADVANCES IN TRANSCUTANEOUS VAGAL NERVE STIMULATION RESEARCH
9:30 a.m.—8:00 p.m., Ballroom 3 (Lobby Level), Exhibits Open
10:00 a.m.—10:30 a.m., Ballroom 3 (Lobby Level), Refreshment Break
10:30 a.m.—10:00 noon, Ballroom 1 (Lobby Level), Symposium 2.1: THE PRESENT AS THE PAST’S FUTURE: EARLY CAREER AWARD WINNERS, WHERE ARE THEY NOW?
10:30 a.m.—12:00 noon, Minnesota (6th Floor), Symposium 2.2: DOING IT RIGHT: NEURAL CORRELATES OF ACTION PREPARATION, PERFORMANCE MONITORING, AND LEARNING
10:30 a.m.—12:00 noon, Minnesota (6th Floor), Symposium 2.3: BIOMARKERS OF ANXIETY RISK FROM INFANCY TO ADULTHOOD
12:00 noon-1:30 p.m., St. Croix 1 (6th Floor), Education and Training Committee Roundtable Discussions
12:00 noon-1:30 p.m., Gray’s Bay (8th Floor), Early Careers Conversation Hour
12:00 noon-1:30 p.m., Meet in the Marriott City Center Lobby, 2016 Program Committee
12:00 noon-1:30 p.m., Meet in the Marriott City Center Lobby, Committee on Women in Psychophysiology
1:30 p.m.—1:45 p.m., Ballroom 1 (Lobby Level), Welcome Remarks, Ottmar V. Lipp, PhD, FASSA, FAPS
1:45 p.m.—2:45 p.m., Ballroom 1 (Lobby Level), Invited Address, Temporal Expectations in the Human Brain, Kia A. Nobre, FBA, MAE
2:45 p.m.—3:15 p.m., Ballroom 3 (Lobby Level), Refreshment Break
3:15 p.m.—4:45 p.m., Minnesota (6th Floor), Diversity Symposium: Psychophysiology in Research on Stereotype Threat and Intergroup Dynamics
3:15 p.m.—4:45 p.m., Ballroom 1 (Lobby Level), Symposium 3.1, PSYCHOMETRIC CHALLENGES FOR PSYCHOPHYSIOLOGY IN THE AGE OF RDOC
3:15 p.m.—4:45 p.m., Deer Lake (Lobby Level), Symposium 3.2, PSYCHOPHYSIOLOGICAL EVIDENCE ON THE SIGNIFICANT AND INTERDEPENDENT RELATIONSHIP BETWEEN HEALTH BEHAVIORS AND COGNITIVE FUNCTIONING
5:00 p.m.—6:30 p.m., St. Croix (6th Floor), SPR Diversity Celebration Reception
5:30 p.m.—6:30 p.m., Lafayette (8th Floor), The Psychophysiology Board of Associate Editors Meeting
6:30 p.m.—7:30 p.m., Pine Lake (Lobby Level), Diversity Committee
6:30 p.m.—8:30 p.m., Ballroom 3 (Lobby Level), Poster Session II

**Friday, September 23, 2016**
7:00 a.m.—6:00 p.m., Lake Harriet (8th Floor), Speaker Ready Room
7:30 a.m.—5:00 p.m., Atrium, Registration
8:00 a.m.—8:00 p.m., Atrium, Internet Station
8:00 a.m.—9:00 a.m., Ballroom 1 (Lobby Level), Flash Talks
9:00 a.m.—8:00 p.m., Ballroom 3, Exhibits Open
9:00 a.m.—10:00 a.m., Ballroom 1 (Lobby Level), Invited Address: Rhythms for Cognition: Communication Through Coherence, Prof. Dr. Med. Pascal Fries
10:00 a.m.—10:30 a.m., Ballroom 3 (Lobby Level), Refreshment Break
10:30 a.m.—12:00 noon, Ballroom 1 (Lobby Level), Invited Symposium I: Brain Computer Interaction
12:00 noon-1:30 p.m., St. Croix (6th Floor), Women in Science and Education (WISE) Luncheon
12:00 noon-1:30 p.m., Meet in the Marriott City Center Lobby, Education and Training Committee
12:00 noon-1:30 p.m., Meet in the Marriott City Center Hotel Lobby, 2017 Program Committee
1:30 p.m.—3:00 p.m., Ballroom 1 (Lobby Level), Symposium 4.1: LEVERAGING SPONTANEOUS AND TASK-RELATED OSCILLATORY CORTICAL ACTIVITY IN THE STUDY OF NORMAL AND ABNORMAL BRAIN FUNCTION ACROSS THE LIFESPAN
1:30 p.m.—3:00 p.m., Deer Lake (Lobby Level), Symposium 4.2: EXTERNALIZING PRONENESS AND SUBSTANCE USE: THEORETICAL FRAMEWORK AND EVIDENCE FROM PSYCHOPHYSIOLOGICAL AND NEUROIMAGING STUDIES
1:30 p.m.—3:00 p.m., Minnesota (6th Floor), Symposium 4.3: EXPLORING NEUROECONOMICS AND THE NEURAL BASES OF DECISION-MAKING
3:00 p.m.—3:30 p.m., Ballroom 3 (Lobby Level), Refreshment Break
3:30 p.m.—5:00 p.m., Ballroom 1 (Lobby Level), Methods Q&A: NeuroModulation: Best Practices for tDCS: A Q&A Session
5:00 p.m.—6:30 p.m., Ballroom 1 (Lobby Level), Invited Symposium II: Neuromodulation
6:30 p.m.—8:30 p.m., Ballroom 3 (Lobby Level), Poster Session III
6:30 p.m.—7:30 p.m., Pine Lake (Lobby Level), Public Relations Committee Meeting
8:00 p.m.—10:00 p.m., Cedar Lake (Lobby Level), Committee to Promote Student Interests

**Saturday, September 24, 2016**
7:00 a.m.—11:00 a.m., Lake Harriet (8th Floor), Speaker Ready Room
8:00 a.m.—12:30 p.m., Atrium, Registration
8:00 a.m.—8:00 p.m., Atrium, Internet Area
8:30 a.m.—9:30 a.m., Ballroom 1 (Lobby Level), Psychophys Spectacular
9:30 a.m.—10:00 a.m., Ballroom 3 (Lobby Level), Refreshment Break
10:00 a.m.—11:00 a.m., Ballroom 1 (Lobby Level), Invited Address: Large-Scale Networks: Organization, Interactions, and Measurement in the Individual, Randy L. Buckner, PhD
11:00 a.m. – 11:30 a.m., Ballroom 1 (Lobby Level), Early Career Award Address, The Study of Executive Function: Past, Present and Future Challenges, Sharna Jamadar, PhD
11:30 a.m. – 12:00 p.m., Ballroom 1 (Lobby Level), Early Career Award Address, Cognitive Control After Surprising Events: A Universal Fronto-Basal Ganglia Mechanism, Jan R. Wessel, PhD
12:00 p.m. – 1:00 p.m., Ballroom 1 (Lobby Level), Presidential Address: Human Pavlovian Conditioning: New Tricks from an Old Dog, Ottmar V. Lipp, PhD, FASSA, FAPS
1:15 p.m. – 3:15 p.m., Ballroom 1 (Lobby Level), General Business Meeting and Luncheon (ticketed event)
3:30 p.m. – 5:30 p.m., Ballroom 3 (Lobby Level), Poster Session IV
5:30 p.m. – 9:00 p.m., Free Time to Enjoy Minneapolis!
9:00 p.m. – 12:00 midnight, Ballroom 1 (Lobby Level), Saturday Night Social

Sunday, September 25, 2016
8:00 a.m. – 10:30 a.m., Minnesota (6th Floor), Farewell Breakfast
9:00 a.m. – 12:00 noon, St. Croix 1 (6th Floor), Board of Directors Meeting