

**SOCIETY FOR PSYCHOPHYSIOLOGICAL
RESEARCH
56th Annual Meeting**

Marriott City Center Hotel,
Minneapolis, MN
September 21–25, 2016

Contents

Announcements	13
Author Index	110
Board of Directors	4
Committees	5
Diversity Celebration Reception	17
Early Careers Conversation Hour	17
Education and Training Committee Roundtable Discussions	16
Exhibitors	19
Future Annual Meetings.....	19
Historical Roster	7
Internet Station	18
Meeting Rooms.....	19
Mobile App	13
Poster Sessions	46
Pre-Conference Workshops	22
Program.....	22
Program Committee	3
Publication of Abstracts	13
Registration.....	12
Speaker Ready Room.....	19
Special Interest Breakfasts, Luncheons, and Dinners.....	16
SPR Fund Contributors	11
Women in Science and Education Luncheon	17



SOCIETY FOR PSYCHOPHYSIOLOGICAL RESEARCH

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

Nathan Parks, University of Arkansas

Matt Pontifex, Michigan State University

Zhenghan Qi, Massachusetts Institute of Technology

Sarah Sass, University of Texas at Tyler

Scott Sponheim, University of Minnesota

Tamara Swaab, University of California-Davis

Janet Van Hell, Pennsylvania State University

Marta Vergara-Martinez, University of Valencia

Eddie Wlotko, Tufts University

OFFICERS***President, 2015–2016*****Ottmar Lipp**

Curtin University

President-Elect, 2015–2016**Cindy Yee-Bradbury**

University of California, Los Angeles

Past President, 2015–2016**Karen S. Quigley**

Northeastern University

Secretary, 2014–2017**Bruce D. Bartholow**

University of Missouri

Treasurer, 2013–2016**Scott R. Vrana**

Virginia Commonwealth University

Treasurer-Elect 2015–2016**Greg Hajcak**

Stony Brook University

Board of Directors

Mustafa al'Absi

University of Minnesota (2013–2016)

Bruce Friedman

Virginia Tech (2015–2018)

Johannes Hewig

University of Würzburg (2013–2016)

Christine Larson

University of Wisconsin-Milwaukee (2014–2017)

Gregory A. Miller

University of California, Los Angeles (2015–2018)

Harald Schupp

Universität Konstanz (2014–2017)

Michelle Shiota

Arizona State University (2015–2018)

§ 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

Committee Chairs**Archives Committee**

Judy Ford

University of California, San Francisco (2014–2017)

Bylaws Committee

Ursula Hess

Humboldt University (2014–2017)

Committee to Promote Student Interests

Sarah Sass

University of Texas at Tyler (2014–2017)

Convention Sites Committee

John Curtin

University of Wisconsin–Madison (2012–2016)

Harald Schupp

Universität Konstanz (2013–2017)

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

Michigan State University (2015–2018)

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

Albert F. Ax	1964–73
William F. Prokasy	1974–77
David Shapiro	1978–86
Michael G.H. Coles	1987–93
John T. Cacioppo	1994–97
Gregory A. Miller	1998–02
Margaret M. Bradley	2003–05
Robert F. Simons	2006–14

**AWARDS FOR DISTINGUISHED
CONTRIBUTIONS TO
PSYCHOPHYSIOLOGY**

Chester W. Darrow	1969
R.C. Davis	1969
Marion A. Wenger	1970
John I. Lacey	1970
Albert F. Ax	1973
Robert Edelberg	1974
William W. Grings	1978
Frances K. Graham	1981
Donald B. Lindsley	1984
Paul A. Obrist	1985
Peter H. Venables	1987
David Shapiro	1988
E.N. Sokolov	1988
Peter J. Lang	1990
John Stern	1993
Emanuel Donchin	1994
Risto Näätänen	1995
David T. Lykken	1998
Steven A. Hillyard	1999
John T. Cacioppo	2000
Arne Öhman	2001
Michael G.H. Coles	2002
Robert M. Stern	2004
Cornelius H.M. Brunia	2005
Marta Kutas	2007
William G. Iacono	2008
Niels Birbaumer	2009
Judith M. Ford	2010
Margaret M. Bradley	2011
Don C. Fowles	2012
Gregory A. Miller	2013
J. Richard Jennings	2014

**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	Brittini Novak
Angelika Dierolf	Elizabeth Page-Gould
Raoul Dieterich	Georgia Panayiotou
Emanuel Donchin	Christian Panitz
Monica Fabiani	Eleonora Poli
Veronica Fallon	Megan Puzia
Diane Fillion	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 Schaechinger
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
Yasunori 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)Thursday, 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

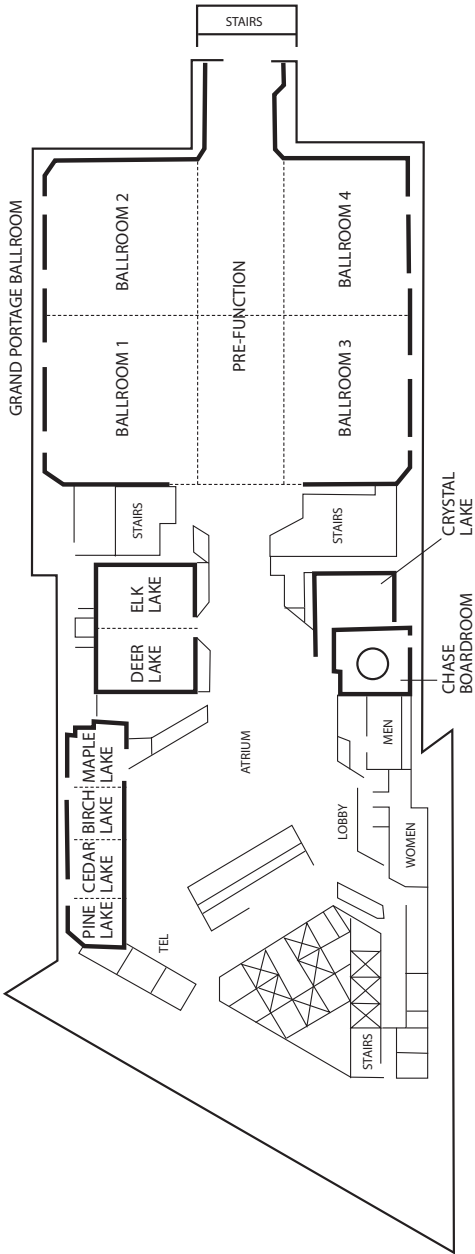
EXHIBITORS

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

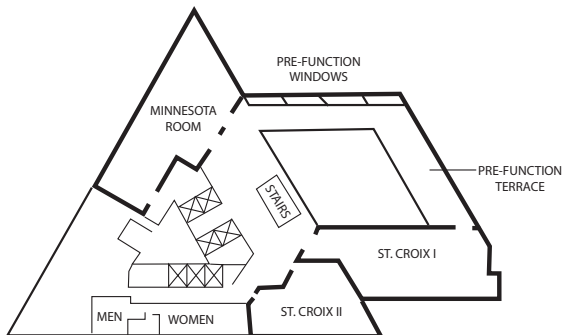
Wednesday, September 21	6:30 p.m.—8:30 p.m.
Thursday, September 22	9:30 a.m.—8:00 p.m.
Friday, September 23	9:00 a.m.—8:00 p.m.

Fourth Floor (Lobby Level) - Marriott City Center

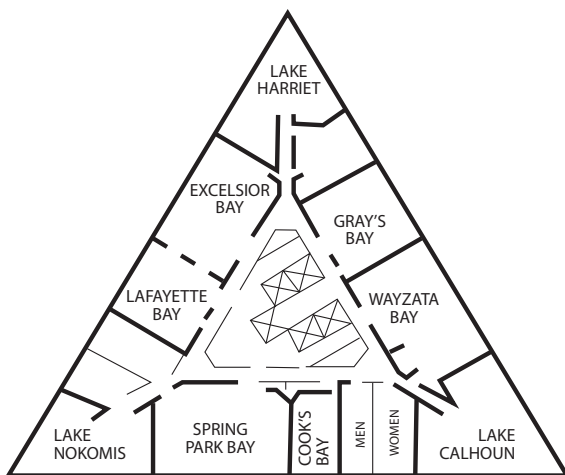


Marriott City Center

Sixth Floor



Eighth Floor



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 MNI-BOOT CAMP

9:00 a.m.—5:00 p.m.

(separate registration fee required)

*Gray's Bay (8th Floor)***Pre-Conference Workshop #2**

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

8:30 a.m. – 10:00 a.m.

Ballroom 1 (Lobby Level)

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

¹*Leiden University*, ²*Katholieke Universiteit Leuven*,
³*The 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

¹*Katholieke Universiteit Leuven*, ²*Leiden University*,
³*KU Leuven*, ⁴*Harvard 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. Gable¹ and Matthew W. Miller²
¹*University of Alabama*, 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, Beleb 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, Anjolie Diaz², & Cynthia Smith¹
¹*Virginia Tech*, ²*Ball 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 Meyer¹, Greg Hajcak², Carla Danielson³,
& Daniel N. Klein²

¹Florida State University, ²Stony Brook University,

³Medical University of South Carolina

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

Antonia Kaczurkin¹, Tyler Moore¹, Kosha Ruparel¹,
Russell Shinohara¹, Monica Calkins¹, Mark Elliott¹,
Ryan Hopson¹, David Roalf¹, Rastko Ciric¹, Simon
Vandekar¹, Efstathios Gennatas¹, Daniel Wolf¹, J.
Cobb Scott¹, Daniel Pine², Ellen Leibenluft², John
Detre¹, Edna Foa¹, Raquel Gur¹, Ruben Gur¹, &
Theodore Satterwaite¹

¹University of Pennsylvania, ²National 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.

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 (6th 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
¹*Stony Brook University*, ²*Florida 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 Miskovic¹, & Brandon E. Gibb²

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
Jolicoeur¹

¹Université de Montréal, ²Ecole de Technologie
Supérieure

**ALPHA MODULATION DEFICITS DURING
VISUAL WORKING MEMORY MAINTENANCE
IN FIRST-EPIISODE 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 Moser¹, Sharon Lo¹, & Brian Hicks²

¹Michigan State University, ²University 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 (6th 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 Hutcherson¹, Anita Tusche², & Antonio Rangel²

¹University of Toronto, ²California 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

5:30 p.m.—6:00 p.m.

TRANSCRANIAL ULTRASOUND (TUS) EFFECTS ON MOOD, VIGOR, AND NON-ATTACHMENT

Joseph L. Sanguinetti^{1,2}, Ezra Smith¹, Michael R. Goldstein¹, William J. Tyler³, Stuart Hameroff^{1,2,4}, & John J.B. Allen¹

¹University of Arizona; ²Center for Consciousness Studies; ³Arizona State University; and ⁴University 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

¹*Leibniz-Institut fuer Wissensmedien Tuebingen,*

²*University of Zurich, and* ³*Martin-Luther-University of Halle-Wittenberg*

9:10 a.m.—9:30 a.m.

**ERROR-RELATED ELECTROMYOGRAPHIC
ACTIVITY OVER THE CORRUGATOR SUPERCILII
IS 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-Tiway^{1,2}, & Joel Erbllich^{1,2,3}
¹Hunter College, The City University of New York, ²The
Graduate Center, The City University of New York,
³Icahn School of Medicine at Mount Sinai

POSTER 1-5

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

POSTER 1-6

CARDIAC VAGAL ACTIVITY IN COMPLEX PTSD

Alisa Huskey¹, Caleb Lack², & Kyle Haws²
¹*Virginia Tech*, ²*University of Central Oklahoma*

POSTER 1-7

ACTIVATION IN THE RIGHT ANTERIOR INSULAR CORTEX IN ANTICIPATION OF REWARD INFORMATION

Yasunori Kotani¹, Yoshimi Ohgami¹, Nobukiyo Yoshida², Shigeru Kiryu², & Yusuke Inoue³
¹*Tokyo Institute of Technology*, ²*The University of Tokyo*, ³*Kitasato University*

POSTER 1-8

ACOUSTIC SEGMENTATION DEFICITS IN FIRST-EPIISODE SCHIZOPHRENIA

Brian A. Coffman, Sarah M. Haigh, Timothy K. Murphy, Kayla L. Ward, & Dean F. Salisbury
University of Pittsburgh School of Medicine

POSTER 1-9

ACUTE EFFECTS OF DIFFERENTIAL, CONTEXTUAL INTERFERENCE, AND REPETITIVE BADMINTON SERVE TRAINING ON EEG BRAIN ACTIVITY

Diana Henz, & Wolfgang I. Schöllhorn
University of Mainz

POSTER 1-10

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
¹*Indiana University Bloomington*, ²*University 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
¹*University of Illinois at Urbana-Champaign*,
²*University of Illinois*

POSTER 1-21**AN EVENT-RELATED POTENTIAL INVESTIGATION OF THE ROLE OF FIXATION AND RACIAL CUES IN PERSON CONSTRUCTION**

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
¹*University of California, Los Angeles; VA Greater Los Angeles,* ²*University of California, Los Angeles,* ³*University 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 COMMERCIALS**

Russell Clayton¹, Rachel Tomko², Glenn Leshner³, Timothy Trull⁴, & Thomas Piasecki⁴
¹*Florida State University,* ²*Medical University of South Carolina,* ³*University of Oklahoma,* ⁴*University of Missouri*

POSTER 1-25**ANALYSIS OF MEG AS RELATED TO SPATIAL TRANSFORMATION AND TOP-DOWN CONTROL OF SACCADIC BEHAVIOR**

Lindsey R. Tate¹, Nick Woodruff¹, Brett Clementz², & Lauren Ethridge³
¹*University of Oklahoma,* ²*University of Georgia,* ³*University 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. Ethridge^{1,6}

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**

Amy J. Haufler¹, Jaime Arribas Starkey-El¹, Maria Davila², Paul Fernan¹, James Gavrilis¹, Joseph Kelleher¹, Bradford Lapsansky¹, Gregory Lewis², William McDaniel¹, Kelly O'Brien¹, Morgan Southern³, & Felipe Westhelle¹

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 Sharma¹, Amritha Abdul. Salam¹, Richa Trivedi¹, Ashok Dubey², & Sushil Chandra¹

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 Sato¹, Kento Takahashi², Naohiro Yamamoto³, & Toshiteru Hatayama⁴

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
¹*Northwestern University*, ²*National 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
¹*Humboldt-University of Berlin*, ²*McGill University*

POSTER 1-39

**AUDITORY PRIMING IMPROVES NEURAL
SYNCHRONIZATION IN AUDITORY MOTOR
ENTRAINMENT**

Patricia L. Davies¹, Jewel Crasta¹, Michael H. Thaut²,
& William J. Gavin¹
¹*Colorado State University*, ²*University 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
¹*Towson University*, ²*Virginia 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

¹*Southern Methodist University*, ²*University 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

¹*Minneapolis VA Health Care System*, ²*University of Minnesota*

POSTER 1-47**BLOCKING MIMICKRY - OR NOT?**

Ursula Hess¹, Christophe Blaison¹, & Gün Semin²

¹*Humboldt University of Berlin*, ²*Instituto 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
REPLICATION**

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-Chapman^{1,5}, Jessica Yanson^{1,5}, Suzanne Pineles^{2,3}, 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-Tiway

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 Joyner¹, Colin Bowyer¹, James R. Yancey¹, Greg Hajcak², & Christopher J. Patrick¹
¹*Florida State University*, ²*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 MacDonald¹, Andrew Poppe¹, Matthew Chafee¹, Cameron Carter², Daniel Ragland², Steven Silverstein³, & Deanna Barch⁴
¹*University of Minnesota*, ²*University of California, Davis*, ³*Rutgers*, ⁴*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
¹*Binghamton University*, ²*SUNY Binghamton*

POSTER 2-2

**EMOTIONAL MODULATION OF PERCEPTUAL
DECISION-MAKING**

Karl Kuntzelman¹, Vincent Costa², & Vladimir
Miskovic³
¹*SUNY Binghamton*, ²*National Institute of Mental
Health*, ³*Binghamton 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
¹*National Institute of Child Health and Human
Development*, ²*National 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
¹*University of South Carolina School of Medicine-Greenville*, ²*University of Louisville*, ³*IDEA 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**

Emma 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
¹*Northwestern University*, ²*National University of Singapore*

POSTER 2-18

FEEDBACK-EVOKED EVENT-RELATED POTENTIAL IS SENSITIVE TO UNCERTAINTY IN RISK/REWARD EXPECTATION

Joseph A. Rosansky, Brian A. Coffman, Sarah M. Haigh, Timothy K. Murphy, Kayla L. Ward, Simona Graur, Henry Chase, Erika E. Forbes, Mary L. Phillips, & Dean F. Salisbury
University of Pittsburgh School of Medicine

POSTER 2-19

EMITTED P3A AND P3B IN CHRONIC AND FIRST-EPISODE 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
¹*Stony Brook University*, ²*Stanford University*, ³*Weill 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
¹*Palo Alto University*, ²*University of Illinois at Urbana-Champaign*, ³*University of Minnesota*, ⁴*University 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
¹*Boys Town National Research Hospital*, ²*Pennsylvania State College of Medicine*, ³*University of California at Berkeley*, ⁴*University of Nebraska Medical Center*, ⁵*National 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
¹*University of Granada*, ²*Cuban 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 Iacono⁴, & 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 WOMENS' COGNITIVE AND EMOTIONAL PROCESSING OF THIN, AVERAGE, AND PLUS SIZE FASHION MODELS DEPCITED 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**

Jerillyn 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

EXTEREOCEPTIVE 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

¹*University of South Florida*, ²*Massachusetts 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

¹*University of Nebraska-Lincoln*, ²*Texas Tech University*, ³*University 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

¹*University of Granada*, ²*Jaume 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
¹*University of New Orleans*, ²*Iowa 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. Shiryayev, & 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. Grant¹, Bruce H. Friedman¹, Alisa Huskey¹, Justin B. White², & Kye Kim³

¹Virginia Polytechnic Institute and State University,

²Carilion Clinic, ³Virginia 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'Brien¹, Alexandru D. Jordan¹, Anna Madison¹, Yuta Katsumi¹, Zachary Bertels¹, Christine Richards¹, Simona Buetti¹, Alejandro Lleras¹, Sanda Dolcos¹, & Florin Dolcos²

¹University of Illinois at Urbana Champaign, ²University 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
¹*Waseda University, Matsuyama University,*
²*Humboldt-Universität at Berlin,* ³*Waseda University*

POSTER 2-80**ERROR-RELATED NEGATIVITY PREDICTS IMPROVEMENT OF A SEQUENCE MOTOR LEARNING**

Takuto Matsuhashi¹, Sidney Segalowitz², Yuichiro Nagano³, & Hiroaki Masaki¹
¹*Waseda University,* ²*Brock University,* ³*Bunkyo 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
¹*University of Oklahoma Health Sciences Center,*
²*University 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 Hesses¹,
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.	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

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. Fillion
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

POSTER 3-21**MISMATCH NEGATIVITY TO PAIRED-TONES IN FIRST-EPIISODE 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-EPIISODE 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

POSTER 3-23**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

¹*University of Pittsburgh School of Medicine,*

²*University 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

POSTER 3-26

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
¹*University of Tuebingen*, ²*Ural 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
¹*The New School*, ²*The New School for Social Research*, ³*University of Pittsburgh*

POSTER 3-30

NEGATIVE ATTITUDES ABOUT TOUCH PREDICT VAGAL RESPONSE TO STRESS

C. Jessie Duncan, David Parkhurst, Nicole A. Roberts, & Mary H. Burseson
Arizona State University

POSTER 3-31

NEURAL CORRELATES OF SELF-PERCEPTION IN INDIVIDUALS WHO VARY IN SOCIAL ENGAGEMENT

Sarah E. McKinzie¹, & Lauren Ethridge²
¹*University of Oklahoma*, ²*University of Oklahoma Health Sciences Center*

POSTER 3-32**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

POSTER 3-37

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 Dolcos^{1,2}, & Sanda Dolcos¹

¹*University of Illinois, Urbana-Champaign*, ²*Beckman 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 Dolcos^{1,2}, & Sanda Dolcos¹

¹*University of Illinois, Urbana-Champaign*, ²*Beckman 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

¹*University of Minnesota – Twin Cities Campus*,

²*Minneapolis VA Health Care System; University of Minnesota*

POSTER 3-42**P300 RESPONSES TO NOVEL POSITIVELY VALENCE 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

POSTER 3-43**P300B AND LPP-INDEXED CUE REACTIVITY IN NON-PATHOLOGICAL GAMBLERS**

Derek J. Fisher¹, Katelyn McKearney², 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

POSTER 3-46**PAYING ATTENTION TO SMARTPHONE ADDICTION**

Frances H. Martin, & Kylie Campling
University of Newcastle

POSTER 3-47

**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, Naiman A. Khan¹, Neal J.
Cohen¹, Arthur F. Kramer³, & Charles H. Hillman³

¹University of Illinois at Urbana-Champaign,

²Michigan State University, ³Northeastern University

POSTER 3-49

**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

POSTER 3-56**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

POSTER 3-57**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

Brock University

POSTER 3-61

PSYCHOPHYSIOLOGICAL CORRELATES OF EMOTIONAL REGULATION

M. Carmen Pastor¹, Nieves Fuentes¹, Irene Jaén¹, Raúl López², Ignacio Lucas³, Eva Cifre¹, & 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. Vinitisky¹, Alexander V. Vartanov¹, Stanislav A. Kozlovskiy¹, & Julia A. Marakshina²

¹Lomonosov Moscow State University, ²Lomonosov Moscow State University, Psychological Institute of Russian Academy of Education

POSTER 3-63**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. Sauder³, & 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 Jozefowicz¹, & 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 Mühlberger², & 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

POSTER 4-11

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

POSTER 4-12

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

POSTER 4-13

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
¹*Neuroscience and Mental Health Institute,*
²*University of Alberta*

POSTER 4-14

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
¹*University of Newcastle, Australia,* ²*University of New South Wales, Australia*

POSTER 4-15

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
¹*University of New Orleans,* ²*University 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

POSTER 4-22

**THE DYNAMICS OF MALADAPTIVE
RESPIRATORY RESPONSES TO INCREASING
FEELINGS OF DYSPNEA**

Christiane Pane-Farre, & Christoph Benke
University of Greifswald

POSTER 4-23

**THE EFFECT OF THE TASK TYPE FOR THE
DISTRACTION EFFECT**

Sanae Naka, & Jun'ichi Katayama
Kwansei Gakuin University

POSTER 4-24

**THE SPATIAL EXPECTATION FOR SUBSEQUENT
SOMATOSENSORY STIMULI IS MODULATED BY
REGULARITY OF APPROACHING VISUAL
STIMULI**

Tsukasa Kimura, & Jun'ichi Katayama
Kwansei Gakuin University

POSTER 4-25

**THE EFFECTS OF AGE AND FITNESS ON THE
TIMING OF CEREBROVASCULAR REACTIVITY:
CONCURRENT RECORDING OF ARTERIAL SPIN
LABELING AND NEAR INFRARED
SPECTROSCOPY**

Benjamin Zimmerman, Kathy A. Low, Chin Hong
Tan, Mark A. Fletcher, Nils Schneider-Garces,
Edward L. Maclin, Bradley P. Sutton, Gabriele
Gratton, & Monica Fabiani
University of Illinois at Urbana-Champaign

POSTER 4-26

**THE EFFECTS OF ANTICIPATORY STRESS ON
REGULATION OF SYMPATHETIC TONE IN HIGH
AND LOW TRAIT ANXIOUS INDIVIDUALS:
CHANGES IN SYSTOLIC BLOOD PRESSURE
UPON EXPOSURE TO AFFECTIVE STRESS**

Kate Holland¹, Alana Rosa¹, Cristina Blanco¹,
Michael Doster¹, & David Harrison²
¹*University of South Carolina Lancaster*, ²*Virginia
Tech*

POSTER 4-27**THE DYNAMIC INTERACTION OF EMOTIONAL CONTENT AND MODALITY ON COACTIVATION IN THE MOTIVATIONAL SYSTEMS AND PSYCHOPHYSIOLOGICAL RESPONSES**

Travis Loof, Collin K. Berke, Austin Davidson, Jacob Fisher, & Justin R. Keene
Texas Tech University

POSTER 4-28**THE MODERATING EFFECT OF SENSATION SEEKING ON THE COGNITIVE PROCESSING OF AND EMOTIONAL RESPONSES TO DYNAMIC EMOTIONAL TRAJECTORIES IN ANTI-DRUG PSAS**

Justin R. Keene¹, Collin K. Berke¹, Brittany E. Blanchard¹, & Annie Lang²
¹*Texas Tech University*, ²*Indiana University, Bloomington*

POSTER 4-29**THE ELECTROPHYSIOLOGICAL CORRELATES OF EMOTIONAL FACIAL EXPRESSION PROCESSING ALONG AN EMOTION TRAJECTORY**

Sreekari Voleti, & Paul M. Corballis
University of Auckland

POSTER 4-30**THE EMOTIONAL EFFECTS OF REALITY TELEVISION CONTENT: MEDIA IMPACT ON AFFECT LATERALITY AND PSYCHOPHYSIOLOGICAL ACTIVITY**

Benjamin DeVore¹, David Harrison¹, & Dale Alden²
¹*Virginia Tech*, ²*Lipscomb University*

POSTER 4-31**THE EMPATHIC VALUE OF EMOTIONAL PROSODY: DOES THE WAY YOU EXPRESS FEELINGS SHAPE BOTH NEURAL EMPATHIC REACTIONS TRIGGERED BY CONCOMITANT FACIAL EXPRESSIONS AND LANGUAGE CONTENT? AN ERP STUDY**

Arianna Schiano Lomoriello, Federica Meconi, & Paola Sessa
University of Padua

POSTER 4-32

**THE GAP-STARTLE PARADIGM TO ASSESS
AUDITORY TEMPORAL PROCESSING:
MONAURAL VS. BINAURAL PRESENTATION**

Philippe Fournier¹, & Sylvie Hébert²

¹Université d'Aix-Marseille, Centre national de la
recherche scientifique (CNRS), ²École d'orthophonie et
d'audiologie, Faculty of medicine, Université de
Montréal

POSTER 4-33

**THE EFFECTS OF REWARD MAGNITUDE ON
REWARD PROCESSING: AN AVERAGED AND
SINGLE-TRIAL EVENT-RELATED POTENTIAL
STUDY**

Caroline C. Meadows¹, Philip A. Gable², Keith R.
Lohse¹, & Matthew W. Miller¹

¹Auburn University, ²University of Alabama

POSTER 4-34

**THE N2PC COMPONENT RELIABLY CAPTURES
ATTENTIONAL BIAS IN SOCIAL ANXIETY**

Mario Reutter¹, Johannes Hewig¹, Matthias J.
Wieser¹, & Roman Osinsky²

¹Julius-Maximilians-University Würzburg, ²University
of Osnabrück

POSTER 4-36

**THE LATE POSITIVE POTENTIAL TO CUES THAT
SIGNAL UNPREDICTABLE SOCIAL FEEDBACK IS
ASSOCIATED WITH SOCIAL ANXIETY
SYMPTOMS**

Felicia Jackson, Brady D. Nelson, & Greg Hajcak
Stony Brook University

POSTER 4-37

**THE IMPACT OF PREDICTABILITY ON
PSYCHOPHYSIOLOGICAL INDICATORS OF
MOTIVATION AND ATTENTION IN
ANTICIPATION OF EMOTIONAL PICTURES**

Elizabeth A. Parisi, Brady D. Nelson, & Greg Hajcak
Stony Brook University

POSTER 4-38**THE INTERACTION BETWEEN AMYGDALA ACTIVATION AND HORMONES PREDICTS SOCIAL ANXIETY SYMPTOMS IN ADOLESCENTS**Zachary P. Infantolino¹, Jamie Ferri², & Greg Hajcak³¹University of Delaware, ²University of California, San Francisco, ³Stony Brook University**POSTER 4-39****THE NEURAL CORRELATES OF MENTAL IMAGERY AND WORKING MEMORY IN PSYCHOPATHOLOGY**

Jerry Chen, Nicholas Madian, Whitney N. Geller, & Stacie L. Warren

*Palo Alto University***POSTER 4-40****DO WAVELETS PROVIDE AN ADVANTAGE OVER TIME DOMAIN CLASSIFICATION FOR ERP BIOMETRICS?**

Maria Ruiz-Blondet, Elizabeth Anderson, & Sarah Laszlo

*Binghamton University***POSTER 4-41****THE P3B COMPONENT OF THE EVENT-RELATED POTENTIAL REFLECTS THE SUBITIZING/COUNTING DISTINCTION IN NUMEROSITY PERCEPTION**

Mark S. Schmidt

*Columbus State University***POSTER 4-42****THE PREDICTIVE VALUE OF PUPILLARY MEASURES OF COGNITIVE LOAD FOR POST-CONCUSSIVE SYMPTOMS IN MILD TRAUMATIC BRAIN INJURY**Evelyn Cordero^{1,2}, Jamie Hershaw², Jessica Kegel^{1,2}, Ashley Safford^{1,2}, & Mark L. Ettenhofer²¹Henry M. Jackson Foundation, ²Uniformed Services University of the Health Sciences

POSTER 4-43

THE RELATIONSHIP BETWEEN HEART-RATE VARIABILITY, SLEEP, RESILIENCE, AND BEHAVIORAL HEALTH SYMPTOMS IN A SAMPLE OF INTERNATIONAL CROSS-CULTURAL AID WORKERS

Page Hayley, Mackenzie Labus, Amy Early, & Nathaniel J. Thom
Wheaton College

POSTER 4-44

THE RELATIONSHIP BETWEEN MINDFULNESS AND ATTENTION TO NEGATIVE EVENTS: AN ELECTROPHYSIOLOGICAL INVESTIGATION

Megan Fisher, Yanli Lin, & Jason S. Moser
Michigan State University

POSTER 4-45

THE RELATIONSHIP BETWEEN SLEEP AND ATTENTIONAL FILTERING UNDER HIGH AND LOW TASK DIFFICULTY

William G. Murphy, Amy Anderson, Ellen Saylor, Jacob Gurera, Catlin Pearson, & Diane L. Filion
University of Missouri - Kansas City

POSTER 4-46

THE RELATIONSHIPS AMONG MULTIPLE PSYCHOPHYSIOLOGICAL AND SELF-REPORT MEASURES OF NEGATIVE AFFECT INDEXED ACROSS MULTIPLE TASKS WITHIN THE SAME SAMPLE

Daniel E. Bradford, Jesse T. Kaye, & John J. Curtin
University of Wisconsin – Madison

POSTER 4-47

THE REWARD POSITIVITY IS RELATED TO BIASED CLASSIFICATION OF EMOTIONAL FACES

Amanda Levinson¹, Brandon E. Gibb², & Greg Hajcak¹
¹*Stony Brook University*, ²*SUNY Binghamton*

POSTER 4-48**THE ROLE OF MACULAR PIGMENT OPTICAL DENSITY IN CHILDREN'S ATTENTIONAL CONTROL AND ACADEMIC ACHIEVEMENT**

Anne Walk¹, Naiman A. Khan¹, Sasha McCorkle¹,
Eric S. Drollette¹, Lauren B. Raine¹, Arthur F.
Kramer², Neal J. Cohen¹, Lisa Renzi³, Billy
Hammond³, & Charles Hillman²

¹University of Illinois at Urbana-Champaign,

²Northeastern University, ³University of Georgia

POSTER 4-49**THE SELECTIVELY NEGATIVE INFLUENCE OF CENTRAL ADIPOSITY ON NEUROELECTRIC INDICES IN PREADOLESCENT CHILDREN**

Lauren Raine¹, Neal J. Cohen¹, Arthur F. Kramer²,
Naiman A. Khan¹, & Charles H. Hillman²

¹University of Illinois at Urbana-Champaign,

²Northeastern University

POSTER 4-50**THE ROLE OF STRIATAL DOPAMINE IN ATTENTIONAL FLEXIBILITY**

Rebecca Calcott, & Elliot Berkman

University of Oregon

POSTER 4-51**THE ROLE OF THE LEFT DORSOLATERAL PREFRONTAL CORTEX IN PROSPECTIVE MEMORY: A DIRECT CURRENT STIMULATION STUDY**

Ashley Scolaro¹, & Kira Bailey²

¹Central College, ²Ohio Wesleyan University

POSTER 4-52**THE ROLE OF THE RIGHT HEMISPHERE IN THE PROCESSING OF LEXICALLY MARKED SYNTACTIC VIOLATIONS**

Michelle Leckey, & Kara D. Federmeier

University of Illinois at Urbana-Champaign

POSTER 4-54

THE SOCIAL MIND: HOW ASCRIBED SENDER EXPERTISE AMPLIFIES CORTICAL PROCESSING OF EMOTIONAL LANGUAGE FEEDBACK

Sebastian Schindler, & Johanna Kissler
Bielefeld University

POSTER 4-55

THE EFFECTS OF ACETAMINOPHEN ON THE LATE POSITIVE POTENTIAL DURING PASSIVE IMAGE VIEWING

Katie E. Garrison¹, Julia B. McDonald², Adrienne L. Crowell³, Nicholas J. Kelley⁴, & Brandon J. Schmeichel¹
¹Texas A&M University, ²University of South Florida, ³Hendrix College, ⁴Northwestern University

POSTER 4-56

THE STARTLE PROBE P3 DURING EMOTIONAL IMAGERY

Rachel Zimmerman, Zachary Clark, Karly Bender, Destiny Davis, Carlie Bright, Tiffany Barker, Melanie Hetzel-Riggin, Victoria A. Kazmerski, & David R. Herring
Pennsylvania State University, Erie, The Behrend College

POSTER 4-57

THE STUDY OF OPTO-KINETIC NYSTAGMUS CHARACTERISTICS DURING VECTION ILLUSION PERCEPTION

Artem Kovalev, & Galina Menshikova
Lomonosov Moscow State University

POSTER 4-58

THE TIME-COURSE OF OUTCOME EVALUATION IN AN OBSERVATIONAL LEARNING TASK

Rebecca Burnside, Adrian G. Fischer, & Markus Ullsperger
Otto-von-Guericke University Magdeburg

POSTER 4-59

TASK INSTRUCTIONS MODULATE REWARD POSITIVITY AMPLITUDE ELICITED BY FEEDBACK INDICATING MONETARY REWARDS AND PHYSICAL PAIN

Sepideh Heydari, & Clay B. Holroyd
University of Victoria

POSTER 4-60**THE INTERRELATION BETWEEN TIME-FREQUENCY HEART RATE VARIABILITY AND PULSE TRANSIT TIME DURING PSYCHOPHYSIOLOGICAL STRESS.**

Miguel Sánchez Hechavarría¹, Ramón Carrazana-Escalona¹, & Beatriz Ricardo-Ferro²

¹Medical Science University of Santiago de Cuba,

²Medical Biophysics Center

POSTER 4-61**TO PLAY OR NOT TO PLAY: LONG-TERM NEUROLOGICAL CHANGES ASSOCIATED WITH SPORTS-RELATED CONCUSSIVE & NON-CONCUSSIVE HEAD IMPACTS RECEIVED DURING ADOLESCENCE**

Desiree Budd¹, Michael P.W. Donnelly², Amanda LaBode¹, Jessika Tollefson¹, Kevin DuVall¹, Paige Mullen¹, Rebecca Olson¹, Christina Scinto¹, & J. Johanna Hopp¹

¹University of Wisconsin - Stout, ²Sulcus Scientific Consulting, LLC

POSTER 4-62**TRAIT-INFLUENCES ON NEURAL CORRELATES OF PERFORMANCE MONITORING IN A DIMENSIONAL SAMPLE OF HEALTHY INDIVIDUALS AND PATIENTS WITH OCD**

Julia Klawohn, Anja Riesel, & Norbert Kathmann
Humboldt-University Berlin

POSTER 4-63**TRAJECTORIES OF PRE-EJECTION PERIOD ACROSS ADOLESCENCE: THE ROLE OF INTERPERSONAL RELATIONSHIPS AND INDIVIDUAL DIFFERENCES**

Ekjyot Saini, Lauren Philbrook, Margaret Keiley, Stephen Erath, & Mona El-Sheikh
Auburn University

POSTER 4-64**TRAJECTORIES OF SLEEP AND CARDIAC-SYMPATHETIC ACTIVITY IN CHILDHOOD: AN EXAMINATION OF RECIPROCAL RELATIONS**

Lauren Philbrook, Ekjyot Saini, Benjamin Hinnant, & Mona El-Sheikh
Auburn University

POSTER 4-65

**TRAUMA AND THE RUBBER HAND ILLUSION:
BODY, SELF, AND SHAME**

Wesley E. Gregory¹, Nicholas Fehertoi¹, Treva Van
Cleave², & Wendy D'Andrea²

¹*The New School*, ²*The New School for Social
Research*

POSTER 4-66

**TURNING UP THE HEAT ON COLD COGNITION:
TASK SWITCHING UNDER THREAT**

James R. Yancey, Colin B. Bowyer, Jens Foell, Kara
Hulstrand, & Christopher J. Patrick

Florida State University

POSTER 4-67

**TWO SYSTEMS OF RECOGNITION MEMORY IN
HUMAN BRAIN**

Stanislav A. Kozlovskiy¹, Anastasia K. Neklyudova¹,
Alexander V. Vartanov¹, Andrey A. Kiselnikov¹, &
Julia A. Marakshina^{1,2}

¹*Lomonosov Moscow State University*, ²*Psychological
Institute of Russian Academy of Education*

POSTER 4-68

**UNEXPECTED ABSENCE OF REWARDS OR
PUNISHMENTS AND THE FEEDBACK-RELATED
NEGATIVITY**

Heather Soder, Andrew Vieira, & Geoffrey Potts
University of South Florida

POSTER 4-69

**USING MEMORY-GUIDED SACCADES TO
UNDERSTAND THE EFFECTS OF SPORT-
RELATED REPETITIVE HEAD IMPACTS
RECEIVED DURING ADOLESCENCE**

Paige Mullen¹, Kaitlyn Rowley², Jimmy Vance²,
Desiree Budd¹, & J. Johanna Hopp¹

¹*University of Wisconsin - Stout*, ²*University of
Wisconsin, Stout*

POSTER 4-70

**USING RETRIEVAL PRACTICE TO PROTECT
MEMORY AGAINST STRESS**

Amy M. Smith, & Ayanna K. Thomas
Tufts University

POSTER 4-71**VALIDATION OF AN EXPERIMENTAL PARADIGM FOR SIMULTANEOUS FMRI-EEG: MODULATION OF THETA OSCILLATIONS BY FEAR CONDITIONING AND EXTINCTION**

Matthias F.J. Sperl^{1,2,3}, Christian Panitz^{1,2}, Isabelle M. Rosso³, Daniel G. Dillon³, Alexis E. Whitton³, Poornima Kumar³, Andrea Hermann², Christiane Hermann², Diego A. Pizzagalli³, & Erik M. Mueller^{1,2}
¹Marburg University, ²Justus Liebig University Giessen, ³McLean Hospital/Harvard Medical School

POSTER 4-72**VISUAL PERCEPTION AND NEURAL SYNCHRONY DIFFERENCES BETWEEN CHRONIC CANNABIS USERS AND NON-USERS**

Brandi Emerick¹, Ashley M. Schnakenberg¹, Brian F. O'Donnell², Tom Busey¹, & Sharlene Newman¹
¹Indiana University, ²Indiana University Bloomington

POSTER 4-73**WHEN SLOWING DOWN DOES NOT IMPROVE PERFORMANCE: POST-ERROR SLOWING AND IMPAIRED FEEDBACK ANTICIPATION**

Xi Ren¹, Fernando Valle-Incan², & Steven A. Hackley¹
¹University of Missouri - Columbia, ²University of La Coruna

POSTER 4-74**WILLINGNESS FOR A PHYSICAL ACTIVITY INCREASE THE BACK PAIN THRESHOLD VALUES IN HEALTHY WOMEN**

Petr Kondrashkin, Daria Shibkova, Pavel Bayguzhin, & Evgenia Tolstykh
Chelyabinsk State Pedagogical University

POSTER 4-75**WORKING MEMORY AND ATTENTION FOR AFFECTIVE FACES IN PSYCHOPATHY**

Allan Heritage, Laura McClenahan, Geoffrey Woodman, & David Zald
Vanderbilt University

POSTER 4-76

THE ROLE OF FILTERING-OUT MECHANISM IN THE RELATIONSHIP BETWEEN FACEBOOK USAGE AND MALADAPTIVE BEHAVIOR

Nurit Sternberg, Roy Luria, & Gal Sheppes
Tel Aviv University

POSTER 4-77

INDIVIDUAL HEARTBEATS SHAPE FEELINGS OF FAMILIARITY

Chris M. Fiacconi¹, Erika L. Peter², Sawayra Owais¹,
& Stefan Köhler¹
¹*University of Western Ontario*, ²*Queen's University*

POSTER 4-78

NEUROPHYSIOLOGICAL CORRELATES OF ANXIETY

Kyle Woisard, Wayne Stafford, Alex Eddy, Rachel Trizna, K'Ehleyr Thai, Steven Nguyen, Grace Herrick, Benjamin DeVore, Ransom Campbell, Kelly Harrison, & David Harrison
Virginia Tech

POSTER 4-79

EXTRACTING THE MEAN EMOTION FROM MULTIPLE FACES REQUIRES ATTENTION: EVIDENCE FROM VISUAL ERP

Luyan Ji, & Gilles Pourtois
Ghent University

POSTER 4-80

THE NEUROBIOLOGY OF SELF-PROCESSING IN DEPRESSED ADOLESCENTS WITH SELF-INJURIOUS BEHAVIOR

Hannah Scott¹, Jodi Martin², Garry Smyda³, Jennifer Pfeifer⁴, & Karina Quevedo¹
¹*University of Minnesota*, ²*University of Minnesota*, *Institute of Child Development*, ³*University of Pittsburgh*, ⁴*University of Oregon*

INDEX**A**

- Achtemeier, Jacob 93
 Adalio, Christopher 66
 Aftanas, Lyubomir 56
 Ahles, Joshua 96
 Ahrens, Lea 54
 Akhmetova, Olga 56
 Alden, Dale 100
 Alderman, Brandon L.
 34, 63, 92
 Aldrich, Jaclyn 75, 96
 Alfini, Alfonso J. 56
 Alho, Kimmo 94
 Alkhafaf, Farah 74
 Allen, John J.B.
 41, 74, 83, 92
 Anderson, Amy 103
 Anderson, Elizabeth 102
 Andreaggi, Christian A.
 81
 Andreatta, Marta 28, 55
 Angrilli, Alessandro 80
 Angus, Douglas J. 87
 Arbel, Yael 73
 Arfer, Kodi B. 92
 Armes, Carl A. 49, 84
 Asan, Esther 28
 Atchley, Ruth Ann 81
- B**
- Babkirk, Sarah 57
 Bachman, Peter 27
 Bachrach, Isabelle 71
 Baev, Aleksandr A. 58
 Baggio, Mary C. 69
 Bailey, Bruce W. 33
 Bailey, Kira 104
 Bailey, Rachel 70, 87
 Balderston, Nicholas 60
 Banerjee, Ankur 97
 Banthin, David 48
 Barba, Alyssa 72
 Barch, Deanna 61
 Barker, Tiffany 105
 Baron, Carolynne 82
 Bartholow, Bruce D.
 29, 38, 50, 55, 79
 Bartolomeo, Lisa A.
 49, 68
 Baschnagel, Joseph S. 60
 Basedow, Christina 93
 Bateman, Grant 81
 Bates, Marsha 93
 Baucom, Brian 82
 Baucom, Katherine 82
 Bayguzhin, Pavel 108
 Begnel, Erin 89
 Belleau, Emily L. 60
 Bell, Martha Ann 30
 Bellman, Steven 77
 Benau, Erik 81
 Bender, Karly 105
 Benke, Christoph 99
 Bennett, Ken P. 75
 Benning, Stephen D.
 69, 88
 Berger, Kyle 53
 Berke, Collin K.
 73, 98, 100
 Berkman, Elliot 104
 Berman, Mitchell 91
 Bertels, Zachary 75, 95
 Bickel, Kelly 86
 Bikson, Marom 40
 Birbaumer, Niels 37
 Birk, Samantha 57
 Blair, James 66
 Blair, Nicholas 48
 Blaison, Christophe 54
 Blanchard, Brittany E.
 100
 Blanco, Cristina 57, 99
 Blanco, Noelia Do Carmo
 92
 Blasko, Dawn G. 88
 Blonigen, Daniel 55
 Blumenthal, Heidemarie
 64
 Bobes, Maria Antonieta
 67
 Bogomolova, Svetlana
 77

- Bolbecker, Amanda R. 26, 68
 Bornstein, Marc 62
 Bost, Kelly K. 66
 Bourne, Stacia 82
 Bowyer, Colin B. 61, 62, 67, 107
 Bozzay, Melanie 71
 Brack, Ivan 56
 Bradford, Daniel E. 33, 103
 Brar, Jaspreet 82
 Braunstein, Laura 47, 71
 Bresin, Konrad 71
 Bright, Carlie 105
 Brislin, Sarah J. 39, 55, 61, 62
 Brockett, Sally 63
 Brooker, Rebecca J. 67, 86, 96
 Brosschot, Jos 28
 Brown, Darin R. 46
 Brush, Christopher J. 34, 63, 92
 Buckholtz, Joshua 40
 Buckman, Jennifer 93
 Buckner, Randy L. 43
 Budd, Desiree 106, 107
 Buetti, Simona 75
 Buldakova, Natalia S. 58
 Burani, Kreshnik 91
 Burger, Andreas 28
 Burkhouse, Katie L. 35
 Burleson, Mary H. 83
 Burns, Anthony 73
 Burnside, Rebecca 105
 Burton, Philip 57
 Burwell, Scott 39, 92
 Burykh, Eduard A. 79
 Busey, Tom 108
 Busler, Jessica 89
 Byerly, Matthew J. 84
- C**
- Calcott, Rebecca 104
 Calderwood, Charles 58
 Calkins, Monica 31
 Callahan, Courtney 72
 Calzada-Reyes, Ana 90
 Camchong, Jazmin 54
 Campbell, Ransom 109
 Campling, Kylie 86
 Canen, Mara J. 67
 Capilla, Almudena 67
 Capraio, Adriana M. 51
 Carbine, Kaylie 33
 Carrazana-Escalona, Ramón 106
 Carretié, Luis 67
 Carter, Cameron 61
 Carter, Emma 86
 Casanova, Manuel F. 63
 Castro-Chapman, Paula 56
 Cavanagh, James F. 46
 Chafee, Matthew 61
 Champod, Anne Sophie 86
 Chandra, Sushil 52
 Chandregowda, Adithya 73
 Chang, Wen-Pin 79
 Chase, Henry 65
 Chaudhary, Ujwal 37
 Chaves, Audra 95
 Chengappa, K.N. Roy 82
 Chen, Jerry 102
 Chertkow, Howard 38
 Chong, Sang Chul 65
 Christensen, Edward 33
 Cifre, Eva 89
 Cinciripini, Paul M. 48
 Ciric, Rastko 31
 Claiborne, Kimberly N. 48, 76
 Clark, Vince 41
 Clark, Zachary 105
 Clayson, Peter E. 27, 46
 Clayton, Russell 50, 69, 70
 Cleave, Treva Van 66, 107
 Clementz, Brett 50, 90
 Cloutier, Renee M. 64
 Codispoti, Maurizio 48
 Coffman, Brian A. 26, 38, 47, 65, 81, 82
 Cohen, Michael X. 22
 Cohen, Neal J. 87, 91, 104
 Coleman, Todd P. 36

- Compton, Rebecca 46
 Condy, Emma E. 76
 Conley, Alexander 81
 Conway, Christopher M.
 68
 Cools, Lisse 28
 Cooper, Patrick 81, 97
 Cooper, Samuel E.
 51, 74, 85
 Corballis, Paul M. 55, 100
 Cordero, Evelyn 90, 102
 Cormier, Danielle 97
 Costa, Vincent 62
 Crane, Natania 72
 Crasta, Jewel E. 53, 70
 Crenshaw, Alexander 82
 Cross, Olivia D. 51
 Crowell, Adrienne L.
 48, 105
 Culoso, Ashley 73
 Curham, Kyle J. 83
 Currie, Ariel 92
 Curtin, John J. 33, 49, 103

D

- Dahlke, Lauren A-M. 66
 Dalldorf, Charlie A. 73
 D'Andrea, Wendy
 66, 71, 72, 81, 83, 107
 Danielmeier, Claudia 27
 Danielson, Carla 31
 Danilenko, Konstantin 56
 Daou, Marcos 50
 Davenport, Nicholas
 54, 89
 Davidson, Austin 100
 Davies, Patricia L.
 53, 70, 97
 Davila, Maria 52
 Davis, Destiny 105
 Díaz-Ferrer, Sandra 73
 Degeneffe, Nikki C. 74
 DelDonno, Sophie 72
 Delgado, Rafael 87, 92
 Dell'Acqua, Roberto 58
 Demetriou, Andreas 70
 Denke, Greg 84
 Dennis-Tiway, Tracy
 46, 57
 Densley, Rebecca 98
 Dente, Pasquale 93
 DePierro, Jonathan
 81, 83
 Detre, John 31
 Deveney, Christen 78
 DeVore, Benjamin
 93, 100, 109
 Deweese, Menton M.
 48, 76
 Diaz, Anjolie 30
 Dickenson, Janna 82
 Dickmann, Jacqueline 75
 Dierolf, Angelika M. 77
 Dieterich, Raoul 53
 diFilipo, Danielle 48
 Dillon, Daniel G. 108
 Dion, Catherine 72
 Dios, Constanza de 59
 Dirba, Danika 76
 Disner, Seth 54, 57, 58
 Dolcos, Florin
 75, 85, 95, 96
 Dolcos, Sanda
 75, 85, 95, 96
 Donchin, Emanuel 73
 Donnelly, Michael P.W.
 106
 Donohue, Meghan R. 74
 Doro, Mattia 58
 Doster, Michael 57, 99
 Doukas, Ashley 81
 Drisdelle, Brandi Lee
 38, 69
 Drislane, Laura 33
 Drollette, Eric S. 87, 104
 Dubey, Ashok 52
 Duncan, C. Jessie 83
 Duppen, Lisse van 28
 Durbin, C. Emily 72
 DuVall, Kevin 106

E

- Early, Amy 103
 Eaton, Kyle W. 56
 Eddy, Alex 109
 Egan, Christine 63, 93
 Ehmman, Peter J.
 34, 63, 92

- Eisenbarth, Hedwig 80
 Elkins-Brown, Nathaniel
43, 96
 Elliott, Mark31
 El-Sheikh, Mona106
 Emerick, Brandi108
 Engelmann, Jeffrey 76
 Erath, Stephen 80, 106
 Erblich, Joel46
 Erdogmus, Deniz36
 Erickson, Craig A.84
 Ethridge, Lauren E.
50, 51, 83, 84
 Ethridge, Paige57, 92
 Ettenhofer, Mark L.
58, 90, 102
 Everhart, D. Erik
 54, 86, 88

F

- Fabiani, Monica
91, 96, 99
 Falkenstein, Michael 77
 Farrell, Kelly N.88
 Farwell, Lawrence A.52
 Federmeier, Kara D.
 29, 49, 59, 104
 Fehertoi, Nicholas
72, 107
 Feldman, Julia L.69
 Fenlon, Holly 28
 Fernandez, Nicolas48
 Fernan, Paul52
 Fernández-Santaella, M.
 Carmen 73, 87, 92
 Ferrari, Thomas M. 56
 Ferri, Jamie 102
 Fiacconi, Chris M.69, 109
 Filion, Diane L.
51, 79, 103
 Finley, Anna J. 48
 Fischer, Adrian G. 27, 105
 Fisher, Derek J.86
 Fisher, Jacob 100
 Fisher, Megan 103
 Flannery, Julie 88
 Fletcher, Mark A.99
 Flor, Herta 71
 Foa, Edna31
 Foell, Jens.....
 39, 67, 71, 107
 Forbes, Erika E.65
 Ford, Judith 26
 Fortunato, Andrea71
 Foti, Dan30, 61, 68
 Fournier, Philippe 101
 Fox, Andrew 96
 Fox, Bryan D. 51
 Fox, Nathan 97
 Freed, Steven 81
 Freitas, Antonio L. 69
 Friedman, Bruce H.
 47, 53, 71, 75, 76
 Fries, Pascal36
 Fuentes, Nieves89
 Fuseda, Kohei63

G

- Gable, Philip A.
 29, 30, 54, 98, 101
 Gabriel, Daniel B.K.66
 Gaffney, John S. 51
 Gamer, Matthias 80
 García-Rubio, María José
 67
 Garcia, Olivia71
 Garcia, Sarah E. 74
 Garrett-Ruffin, Sherona ... 70
 Garrison, Katie E.48, 105
 Gavin, William J.
 53, 70, 97
 Gavrilis, James52
 Geller, Whitney N. 102
 Genheimer, Hannah 28
 Gennatas, Efstathios 31
 Georgiou, Dora 87
 Gerjets, Peter42
 Gervilla, Carmen 87
 Ghuman, Avniel S.38
 Gibb, Brandon E.37, 103
 Gibson, Linzi81
 Gilmore, Casey 54
 Giménez-Fernández,
 Tamara 67
 Glazer, James 53, 65
 Goldstein, Michael R.41
 Goodman, Marianne 48
 Gorbunov, Andrei 51

- Gorka, Stephanie75
 Grand, Kirk 30
 Grant, Shara S.75
 Gratton, Gabriele
 91, 96, 99
 Graur, Simona 65
 Gray, Jackson M.74
 Green, Michael F.50
 Gregory, Wesley E. 107
 Grey, Robert Kent de82
 Grose-Fifer, Jill48
 Gross, James J.66, 90
 Guerra, Pedro67, 87, 92
 Gulin, Shaina 73
 Gunten, Curtis Von 79
 Gurera, Jacob 103
 Gur, Raquel 31
 Gur, Ruben31
 Guyer, Amanda E.58
 Gwizdala, Kathryn L. 60
- H**
- Hackley, Steven A. 108
 Haigh, Sarah M.
 26, 38, 47, 65, 81, 82
 Hajcak, Greg.....
 31, 33, 61, 66, 91, 101, 102,
 103
 Hameroff, Stuart 41
 Hamilton, Holly K.
26, 27
 Hammond, Billy 104
 Hammond, Lauren75
 Harmon-Jones, Cindy87
 Harmon-Jones, Eddie87
 Harper, Jeremy98
 Harris, Breanna N.98
 Harrison, David
57, 79, 93, 99, 100, 109
 Harrison, Kelly
79, 93, 109
 Hartnell, Melissa P.
51, 74
 Hastings, Paul D. 58, 86
 Hatayama, Toshiteru 52
 Haufler, Amy J.52
 Haws, Kyle47
 Hayley, Page 103
 Hazlett, Erin 48
- Hébert, Sylvie 101
 Heaton, Elizabeth46
 Hechavarría, Miguel
 Sánchez 106
 Hecht, Holger55
 He, Bin40
 Heinrich, Angela71
 Heller, Wendy66
 Helmstetter, Fred 60
 Helwig, Nathaniel E. 95
 Hendrickse, Joshua 70
 Hennig, Jürgen 80
 Henz, Diana47, 64, 76, 98
 Heritage, Allan 108
 Hermann, Andrea 108
 Hermann, Christiane
80, 108
 Hernández-Lorca, Maria
 67
 Herrick, Grace 93, 109
 Herring, David R. 105
 Herring, Elizabeth70
 Hershaw, Jamie N.
58, 90, 102
 Hesas, Eve77
 Hess, Ursula 54
 Hester, Robert 27
 Hetrick, William P.
 26, 49, 68
 Hetzel-Riggin, Melanie
 105
 Hewig, Johannes
 91, 94, 101
 Heydari, Sepideh 105
 Hicks, Brian39, 68
 Highsmith, Jonathan 86
 Hill, Kaylin 61
 Hillman, Charles H.
87, 104
 Hinnant, Benjamin 106
 Hélie, Sebastien 30
 Hoang, Kong 51
 Hobbs, Diana A. 49, 84
 Hohman, Zachary P. 98
 Holland, Kate 57, 99
 Hollowell, Christopher 58
 Holroyd, Clay B. 105
 Hopp, J. Johanna .. 106, 107
 Hopson, Ryan 31
 Hubbard, Ryan J. 49

- Hu, Yifan 95
 Hulstrand, Kara 107
 Hummer, Lilian 47
 Hunt, Christopher 51
 Hunt, Ruskin 39, 92
 Huskey, Alisa 47, 71, 75
 Hutcherson, Cendri
 39, 85
 Hwang, Soonjo 66

I

- Iacono, William
 39, 68, 92, 98
 Ilardi, Stephen 81
 Infantolino, Zachary P.
 91, 102
 Inoue, Yusuke 47
 Inzlicht, Michael
 32, 39, 40, 43, 85, 96
 Iordan, Alexandru D.
 75, 96
 Isakova, Julia A. 58
 Ito, Tiffany A. 55

J

- Jabr, Mejdy M.
 49, 84, 97
 Jackson, Felicia 101
 Jaeger, Judith 26
 Jalbrzikowski, Maria 38
 Jaén, Irene 89
 Jamadar, Sharna 43
 Jasara, Hogan 82
 Jasperse, Lee J. 27
 Jausovec, Norbert 70
 Jefferson, Madeline R. 74
 Jenkins, Lianne 72
 Jennings, J. Richard
 48, 71
 Ji, Luyan 69, 109
 Joachim, Brandon 81
 John, Alexander 64
 John-Henderson, Neha
 32
 Johns, Erin 38
 Johnson, Joseph 40
 Johnson, Katherine 64
 Johnson, Meredith P. 55

- Joiner, Thomas 68
 Jolicoeur, Pierre
 37, 38, 58, 69
 Jolly, Todd 81, 97
 Jonas, Eva 87
 Joormann, Jutta 64
 Joyner, Keanan 61
 Jozefowicz, Jeremie 92

K

- Kaczurkin, Antonia
 30, 31
 Kaeppler, Alexander 80
 Kahle, Sarah 86
 Kaiser, C. Kit 70, 87
 Kang, Seung Suk
 26, 57, 70, 88
 Kao, Shih-Chun 87
 Kappas, Arvid 93
 Karayanidis, Frini 81, 97
 Karekla, Maria 87
 Karmarkar, Uma 40
 Karsten, Trisha M. 66
 Kasai, Tetsuko 78
 Kastman, Erik 40
 Katayama, Jun'ichi
 63, 79, 99
 Kathmann, Norbert
 53, 106
 Katsumi, Yuta 75, 85, 96
 Kaye, Jesse T. 32, 33, 103
 Kazmerski, Victoria A.
 88, 105
 Keacher, Lisa 89
 Keenan, Elliot 73
 Keene, Justin R. 98, 100
 Kegel, Jessica 90, 102
 Keifer, Cara 73
 Keiley, Margaret 106
 Keil, Andreas 80
 Kelleher, Joseph 52
 Kelley, Nicholas J.
 53, 65, 105
 Kennedy, Rachel 77
 Kent, Jerilyn 26, 70
 Keshavan, Matcheri 90
 Kessel, Dominique 67
 Kessel, Ellen M. 92
 Khan, Naiman A. 87, 104

- Khedari, Vivian 81
 Köhler, Stefan 109
 Kiel, Elizabeth J. 96
 Killgore, William D.S.74
 Kim, Dae-Jin26
 Kim, Insub 57
 Kim, Kye75
 Kimura, Tsukasa99
 Kiosses, Dimitris N.66
 Kirk, Ian J. 55
 Kiryu, Shigeru 47
 Kiselnikov, Andrey A.
 58, 89, 107
 Kissler, Johanna 105
 Kizuk, Sayeed A.D.97
 Klawohn, Julia 106
 Klein, Daniel N. 31, 92
 Klein, Tilmann 27
 Klineberger, Phillip79
 Klucken, Tim 80
 Kneip, Chelsea 68
 Kolnes, Martin 60
 Kondrashkin, Petr 108
 Kotani, Yasunori47
 Kotchoubey, Boris83
 Kotov, Roman 33, 49
 Kovalev, Artem 105
 Koy, Kiry 63, 93
 Kozlovskiy, Stanislav A.
 58, 89, 107
 Kramer, Arthur F. 87, 104
 Kramer, Mark 68
 Kreibig, Sylvia D.90
 Krempey, Patricia D. 49
 Krigolson, Olav30
 Krishnan, Giri P.49
 Krueger, Robert 68
 Krull, Jennifer 23
 Kuester, Dennis93
 Kujawa, Autumn J. 92
 Kulper, Dan 91
 Kumar, Poornima 108
 Kuntzelman, Karl 62
 Kuperberg, Gina 68
 Kurita, Satoko 79
 Kuziek, Jonathan90, 97
- L**
- LaBode, Amanda 106
 Labus, Mackenzie 103
 Lack, Caleb47
 Laher, Rebecca M. 82
 Lake, Jessica I. 27
 Lamm, Connie
49, 74, 84, 97
 Langenecker, Scott 72
 Lang, Annie79, 100
 Lano, Timothy 26
 Lapsansky, Bradford 52
 Larsen, Ryan 96
 Larson, Christine L.
 60, 75, 88
 Larson, Michael J. 33
 Laszlo, Sarah.....
42, 52, 59, 60, 102
 Lazarte, Alejandro 89
 LeCheminant, James D.
 33
 Leckey, Michelle 104
 Lee, Yoojin 74
 Lefebvre, Christine 37
 Lehockey, Katie86
 Leibenluft, Ellen 31
 Lenroot, Rhoshel 97
 Lerner, Matthew D. 73
 Leshner, Glenn 50
 Levi, Christopher81, 97
 Levinson, Amanda 103
 Lewis, Gregory 52
 Lieberman, Lynne 75
 Ligeza, Tomasz S. 59
 Lim, Kelvin54
 Lim, Seung-Lark 79
 Lina, Jean-Marc 38
 Lin, Hause 40, 85
 Lin, Mei-Heng53
 Lin, Yanli51, 72, 103
 Lipp, Ottmar V. 44, 95
 Lissek, Shmuel
 51, 74, 85
 Liu, Jiawei 70, 87
 Lleras, Alejandro 75
 Loersch, Chris 55
 Lo, Sharon 39, 72
 Lohse, Keith R. 50, 101
 Loktev, Konstantin 56
 Lomoriello, Arianna
 Schiano 100
 Loof, Travis 73, 98, 100
 Louis, Courtney46
 Low, Kathy A. 91, 99

- López, Raúl 89
 Lucas, Heather 35
 Lucas, Ignacio 67, 89
 Luck, Camilla C. 95
 Luck, Steven J. 22
 Luehring-Jones, Peter 46
 Luking, Katherine R. 91
 Luna, Beatriz 38
 Lundin, Nancy B. 49
 Luria, Roy 109
 Lynn, Peter A. 71
 Lysne, Paige 93
- M**
- MacDonald, Angus 61
 Machida, Keitaro 64
 Machmer, Elizabeth
 Jackson 60
 Maclin, Edward L. 96, 99
 Madian, Nicholas 102
 Madison, Anna 75
 Magruder, Katherine P. ... 49
 Malone, Stephen
 39, 92, 98
 Manbeck, Adrienne 85
 Marakshina, Julia A.
 58, 89, 107
 Marell, Paulina S. 82
 Marquardt, Craig 57, 88
 Marschark, Marc 60
 Martin, Frances H. 86
 Martin, Jodi 109
 Martínez-Huertas, José
 Ángel 67
 Maruo, Yuya 76
 Masaki, Hiroaki 76
 Mascitelli, Kathryn 48
 Mash, Clay 62
 Mata-Martín, Jose Luis ... 73
 Mathalon, Daniel H.
 26, 50
 Mathersul, Danielle 31
 Mathewson, Kyle E.
 35, 43, 90, 97
 Matsushashi, Takuto 76
 Matthews, Karen 48
 Maus, Johanna 76
 McCathern, Alexis G.
 65, 82
 McCleery, Amanda 50
 McClenahan, Laura 108
 McCloskey, Michael 91
 McCorkle, Sasha 104
 McDaniel, William 52
 McDonald, Julia B. 105
 McDowell, Jennifer 90
 McGinley, Jared J. 53
 McGowan, Amanda L. 60
 McGreevy, Catherine 81
 Mckay, Nicole S. 55
 McKearney, Katelyn 86
 McKinnis, Sydney A. 64
 McKinzie, Sarah E. 83
 McNeil, Kathryn 86
 McTeague, Lisa M. 35
 Meadows, Caroline C.
 50, 101
 Mechin, Nicole C. 54
 Meconi, Federica 100
 Meffert, Harma 66
 Menshikova, Galina 105
 Mensink, Michael C. 93
 Merz, Christian 47
 Meurs, Brian Van 85
 Meyer, Alexandria
 31, 33
 Mezulis, Amy 75, 96
 Miccoli, Laura 87, 92
 Michel, Jena 74
 Michie, Patricia 81, 97
 Miller, Gregory A. 27, 66
 Miller, Holly 28
 Miller, Jonas G. 58
 Miller, Matthew W.
 29, 30, 50, 101
 Miltner, Wolfgang 55
 Minshe, Reese 81
 Miskovic, Vladimir
 35, 37, 59, 60, 62
 Miskovich, Tara A.
 60, 88
 Moelter, Stephen 84
 Mohanty, Aprajita 49
 Molina, Stephany M. 88
 Moody, Shannin 74
 Mooney, Rachel 88
 Moore, Matthew
 85, 95, 96
 Moore, Tyler 31
 Morato, Cristina 67

Mormann, Milica39
 Mosconi, Matthew W.
51, 84
 Moser, Jason S.
39, 51, 60, 67, 68, 72, 103
 Mueller, Bryon57
 Mueller, Erik M. 80, 108
 Mühlberger, Andreas 94
 Muldrow, Adrienne70
 Müller, Mathias 94
 Mullen, Paige 106, 107
 Murohashi, Harumitsu
 78
 Murphy, Timothy K.
 26, 38, 47, 65, 81, 82
 Murphy, William G. 103

N

Nadig, Ajay 53
 Nagano, Yuichiro76
 Nagornova, Zhanna V. 79
 Najjar, Reema 86
 Naka, Sanae 99
 Neal, Lauren B.98
 Neklyudova, Anastasia K.
 107
 Nelson, Brady D.
 33, 91, 101
 Nencycz-Thiel, Magda.....
 77
 Newman, Sharlene D.
26, 108
 Ng, Jennifer 48, 76
 Nguyen, Steven 109
 Niedbala, Elizabeth 98
 Nieuwenhuis, Sander 28
 Nikelski, Jim 38
 Nikolenko, Ekaterina56
 Nobre, Kia A.32
 Nolan, Zachary66
 Novak, Keisha68
 Nowlan, Luke 39
 Nuechterlein, Keith 27
 Nusslock, Robin53, 65
 Nutting, Brandon H. 73

O

O'Brien, Kelly52
 O'Brien, Margaret M.75

O'Donnell, Brian F.
 26, 49, 68, 108
 O'Hare, Aminda 81
 Ohgami, Yoshimi47
 Okumura, Yasuko78
 Olivari, Benjamin 95
 Olson, Rebecca 106
 Olson, Ryan L. 34, 63, 92
 Omori, Shunya 79
 Orr, Scott 56
 Ortega-Roldán, Blanca 73
 Osinsky, Roman 101
 Oumeziane, Bebel Ait
30, 61
 Owais, Sawayra109
 Owen, Adrian 69
 Ozer, Emily 46

P

Palumbo, Isabella
 39, 55, 67, 71
 Panayiotou, Georgia87
 Pane-Farre, Christiane 99
 Panitz, Christian 80, 108
 Paoli, Anthony G. Delli
60, 67
 Pardini, Dustin48
 Parisi, Elizabeth A. 101
 Parker, David 90
 Parkhurst, David 83
 Parks, Andrew C.60, 67
 Parsons, Mark 81, 97
 Pastor, M. Carmen
73, 89
 Patrick, Christopher J.
 33, 39, 55, 61, 62, 67, 68, 71,
 107
 Paul, Marcus 77
 Pauli, Paul 28, 54, 55
 Pavlov, Yuri G.74, 83
 Payne, Brennan R. 59
 Pearlson, Godfrey 90
 Pearson, Catlin 79, 103
 Pedersen, Walker60
 Peng, Ling 72
 Penner, Elizabeth 66
 Perez, Veronica B.26
 Perez-Muñoz, Andrea83
 Perkins, Emily R.
33, 39, 61, 71

- Perry, Nicholas 82
 Peter, Erika L. 109
 Petrone, Eric 49
 Peysakhovich, Alexander
 40
 Pfeifer, Jennifer 93, 109
 Phan, K. Luan 75
 Philbrook, Lauren 106
 Phillips, Mary L. 65
 Phillips, Natalie 38, 81
 Piasecki, Thomas 50
 Picard, Rosalind 72
 Pierce, Meghan E. 88
 Pine, Daniel 31
 Pineles, Suzanne 56
 Pizzagalli, Diego A. 108
 Pogue, Jamie R. 64
 Polon, Nora 50
 Pontifex, Matthew B.
 34, 36, 60, 67, 87
 Popov, Vladimir V. 58
 Poppe, Andrew 61
 Pornpattananangkul,
 Narun 53, 65
 Potts, Geoffrey 59, 107
 Pourtois, Gilles 69, 109
 Puhalla, Alexander 91
- Q**
- Quevedo, Karina
 63, 92, 93, 109
 Quintero, Jean 57
- R**
- Ragland, Daniel 61
 Raine, Adrian 31, 48
 Raine, Lauren B. 87, 104
 Ramos-Murguialday,
 Andre 37
 Rangel, Antonio 39
 Rasmussen, Eric 98
 Rawls, Eric 49, 84, 97
 Reed, Alexander C. 27
 Ren, Xi 108
 Rennie, Jaime 81, 97
 Renzi, Lisa 104
 Reutter, Mario 101
 Revers, Hans 28
- Reynolds, Kary 54
 Rhoads, Jence A. 50
 Rhodes, L. Jack 59
 Ricardo-Ferro, Beatriz
 106
 Richards, Christine 75
 Riesel, Anja 106
 Rimeikyte, Vaida 40
 Ritz, Thomas 54
 Roach, Brian J. 26, 50
 Roalf, David 31
 Roberson-Nay, Roxann
 58, 73
 Roberts, Melody 79
 Roberts, Nicole A. 83
 Roberts, Sean 72
 Robinson, Gabriella G.N.
 66
 Robinson, Jennifer 89
 Rodríguez-Ruiz, Sonia
 73, 87, 92
 Rodrigues, Johannes 94
 Rogers, James W. 66, 83
 Roisman, Glenn I. 66
 Romeo, Zaira 80
 Rommers, Joost 59
 Root, Amy E. 86
 Rosa, Alana 57, 99
 Rosansky, Joseph A. 65
 Rosenfield, David 54
 Rosso, Isabelle M. 108
 Rowley, Kaitlyn 107
 Rubin, Kenneth 86
 Ruiz-Blondet, Maria
 36, 52, 102
 Ruparel, Kosha 31
 Ruscio, Ayelet 31
 Russo, Matt J. 64
 Ryan, Kelly 72
- S**
- Sabatinelli, Dean 67
 Sabharwal, Amri 49
 Sable, Jeffrey J. 66, 83
 Sacchi, Elizabeth 59
 Sackett, Katey 60
 Safford, Ashley 90, 102
 Saini, Ekjyot 106

- Sakakibara, Masahito64
- Salam, Amritha Abdul. 52
- Salisbury, Dean F.
- 26, 38, 47, 65, 81, 82
- Salmela, Viljami94
- Salmi, Juha94
- Salo, Emma94
- Salomon, Kristen 56
- Samson, Andrea C.90
- Samuel, Douglas 61
- Sandre, Aislinn 57
- Sanguinetti, Joseph L.41
- Sano, Akane72
- Sass, Sarah 36
- Sato, Toshihiko 52
- Satterwaite, Theodore31
- Sauder, Colin L.91
- Sauder, Mitchell
- 63, 92, 93
- Saunders, Blair
-40, 43, 85, 96
- Saylor, Ellen 103
- Scanlon, Joanna97
- Scharinger, Christian 42
- Schembre, Susan76
- Schindler, Sebastian
- 105
- Schlicht, Patricia 82
- Schöllhorn, Wolfgang I.
-47, 64, 76, 98
- Schmall, Lisa J.96
- Schmeichel, Brandon J.
-48, 105
- Schmid, Andria 72, 83
- Schmidt, Barbara 55
- Schmidt, Mark S.102
- Schnakenberg, Ashley M. ...
- 108
- Schneider-Garces, Nils99
- Schoofs, Daniela 77
- Schroder, Hans S.
- 51, 60, 67
- Schryer-Praga, Jacqueline ...
- 61
- Schubert, Torsten42
- Schwartz, Joshua 46, 57
- Scinto, Christina 106
- Scolaro, Ashley 104
- Scott, Annabelle 66
- Scott, Hannah.....
- 63, 92, 93, 109
- Scott, J. Cobb 31
- Scudder, Mark R.87
- Secharan, Rachel 70
- Segalowitz, Sidney
-76, 89
- Semin, Gün 54
- Sergeev, Arkadiy A.89
- Sessa, Paola 100
- Shackman, Alexander30
- Shafer, Andrea 96
- Shankman, Stewart A. 75
- Sharma, Kanishka 52
- Shed, Will 86
- Sheerin, Christina 73
- Shemyakina, Natalia V.79
- Sheppes, Gal 109
- Shibkova, Daria108
- Shin, Eunsam 53, 65
- Shinohara, Russell 31
- Shirtcliff, Elizabeth74
- Shiryayev, Dmitry I. 74
- Shors, Tracey J.34
- Siamata, Michaela 87
- Siegle, Greg81, 83
- Silverstein, Steven 61
- Simmonds, Lucy 77
- Simmons, Alysha 88
- Simon, Talar53
- Simons, Robert F.77, 88
- Singhal, Anthony96
- Singh, Gurpreet 93
- Singh, Sonia68
- Smith, Amy M. 107
- Smith, Cynthia30
- Smith, Elizabeth62
- Smith, Ezra 41
- Smith, Grace M. 51
- Smith, J. Carson34, 56
- Smith, Laura86
- Smith, Theresa J.56
- Smyda, Garry92, 93, 109
- Sánchez-Adam, Alicia87
- Soder, Heather107
- Sokhadze, Estate M.63
- Sommer, Werner 76
- Soroko, Svyatoslav I.79
- Southern, Morgan52

- Soutschek, Alexander42
 Sowards, Sarah 67
 Sowell, Jonathan P.98
 Spangler, Derek P.47
 Spanoudis, George 70
 Speed, Brittany C.66
 Sperl, Matthias F.J. 108
 Spironelli, Chiara 80
 Sponheim, Scott R.
 26, 54, 57, 58, 70, 71, 85, 88
 Stafford, Erin81
 Stafford, Wayne79, 109
 Stahura, Elle58
 Starkey-El, Jaime Arribas
 52
 Stefano, Lisa De 51
 Steindl, Christina 87
 Stephenson, Alexandra
 54, 86, 88
 Sternberg, Nurit109
 Stewart, Hannah L.
48, 76
 Stillwell, Elizabeth E. 55
 Stites, Mallory C.42
 Stout, Daniel M.88
 Strowger, Megan84
 Subotnik, Kenneth L. 27
 Suchan, Boris77
 Suchotzki, Kristina80
 Sutton, Bradley P. 96, 99
 Suzuki, Takakuni61
 Sweeney, John A. 51, 84
 Szewczyk, Warren 50

T

- Takahashi, Kento52
 Takeya, Ryuji78
 Tamminga, Carol90
 Tang, Rongxiang 78
 Tang, Yi-Yuan 78
 Tan, Chin Hong99
 Tanovic, Ema 64
 Tasman, Allan63
 Tate, Lindsey R.50
 Taylor, Brittany K. 97
 Taylor, Jeanette 93
 Taylor, Sara 72
 Thai, K'Ehleyr109
 Thaut, Michael H. 53

- Thayer, Julian 28
 Thijs, Lise28
 Thomas, Ayanna K. 107
 Thomas, Kathleen
39, 92
 Thomas, Samantha 54
 Thom, Nathaniel J. 103
 Thornton, Laura C. 66
 Threadgill, Hunter 30
 Thurm, Audrey62
 Timko, C. Alix84
 Tollefson, Jessika106
 Tolstykh, Evgenia 108
 Tomko, Rachel50, 69
 Tona, Klodiana-Daphne
 28
 Tountas, Andrea M. 74
 Tourva, Anna70
 Townsend, Kimberly97
 Trivedi, Richa 52
 Trizna, Rachel 109
 Trubacheva, Vera51
 Trubachev, Vladimir51
 Trueba, Ana 54
 Trull, Timothy 50, 69
 Tucker, Larry A. 33
 Tukaiev, Sergii 98
 Tulenina, Nadezhda V. 74
 Tully, Erin C.74
 Tummyalis, Alexey56
 Tusche, Anita39
 Tyler, William J. 41

U

- Ullsperger, Markus
 27, 105
 Ulrich, Natalie91
 Uusberg, Andero60

V

- Valadez, Emilio A.
 77, 88
 Valentin, Taylor48
 Valle-Incan, Fernando
 108
 van der Does, Willem 28
 Vance, Jimmy 107

- Vandekar, Simon 31
 van Diest, Ilse28, 29
 Vanuk, John R. 74
 Vartanov, Alexander V.
 58, 89, 107
 Vaschillo, Bronya 93
 Vaschillo, Evgeny 51, 93
 Venables, Noah C.
 33, 68
 Ventura, Joseph27
 Verkuil, Bart 28
 Verona, Edelyn 71
 Versace, Francesco
 48, 76
 Vervliet, Bram 28
 Vieira, Andrew 107
 Vila, Jaime 67, 73, 87, 89, 92
 Vinitsky, Dmitry A.89
 Vinkova, Anna 55
 Virk, Sardeep 90
 Vogel, Pia 54
 Vogeti, Sreekari 100
 Vogt, Sarah E. 74
 Vohra, Hanna 71
 Volpert, Hannah I.
 50, 55
 Voorhis, Abraham Van 70
 Vrana, Scott 58, 73

W

- Walker, John A.91
 Walk, Anne68, 104
 Wallace, Rachel 58
 Wanger, Timothy67
 Wang, Jun51, 84
 Wang, Tianjiao 70, 87
 Ward, Kayla L.....
 26, 38, 47, 65, 82
 Warren, Stacie L. 66, 102
 Watson, Eric54, 86, 88
 Weinberg, Anna
 53, 57, 92
 Weissflog, Meghan 89
 Weiss, Lauren R.56
 Weissman, David 58
 Wessel, Jan R.27, 44
 Westfall, Daniel R.87

- West, Gregory 69
 Westhelle, Felipe 52
 White, Justin B. 75
 White, Stormi P. 51, 84
 White, Stuart66
 Whitton, Alexis E. 108
 Wielgus, Madeline75
 Wiese, Andrew D. 79
 Wieser, Matthias J.
54, 101
 Wild, Alexa N. 88
 Wilkes, Amanda J. 51
 Wilson, Jamonté D.
 66, 83
 Wlotko, Edward 68
 Woisard, Kyle79, 109
 Wolf, Daniel 31
 Wolf, Oliver T.77
 Womelsdorf, Thilo27
 Woodman, Geoffrey
 108
 Woodruff, Nick 50
 Woody, Patrick L.83
 Wrehe, Zach B. 51
 Wright, Ashley L.T. 74
 Wyczesany, Miroslaw 59
 Wynn, Jonathan K. 50

Y

- Yamamoto, Naohiro52
 Yancey, James R.
33, 55, 61, 62, 67, 68, 107
 Yang, Xiao 47, 71
 Yanson, Jessica 56
 Yee, Cindy M. 27
 Ye, Shengxuan 40
 Yoshida, Nobukiyo47

Z

- Zald, David 108
 Ziegler, Keith 60
 Zimmerman, Benjamin.....
 99
 Zimmerman, Rachel
 105
 Zyma, Igor98

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. – 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?
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
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