

***SOCIETY FOR
PSYCHOPHYSIOLOGICAL
RESEARCH
52nd Annual Meeting***

The Roosevelt New Orleans Hotel
New Orleans, Louisiana
September 19–23, 2012

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**SOCIETY FOR
PSYCHOPHYSIOLOGICAL RESEARCH**

The purpose of the Society for Psychophysiological Research is to foster research on the interrelationships between the physiological and psychological aspects of behavior. Allied disciplines include psychology, physiology, neuroscience, medicine and engineering. To promote this purpose, the Society publishes scientific literature and holds annual meetings for presentation and discussion of topics, including instrumentation, methodology, experimental results, and theoretical interpretations.

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(Committee to Promote Student Interests; 2011–2014)

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Yasunori Kotani
Tokyo Institute of Technology (2010–2013)

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Publication Committee

John J.B. Allen
University of Arizona (2009–2012)

Student Poster Award Committee

Gary Berntson
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Wendy Heller
University of Illinois at Urbana-Champaign

Ad Hoc Committee on EEG/ERP Measures

Andreas Keil
University of Florida

Ad Hoc Committee on Electrodermal Measures

Wolf Boucsein^T
University of Wuppertal

**Ad Hoc Committee on Funding for
Psychophysiological Research**

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The New School for Social Research
Philip Gable
The University of Alabama

Liaison to AAAS

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Liaison to FABBS

James Coan
University of Virginia

^T*Dr. Boucsein passed away in January 2012 after a long and distinguished career. We are indebted to Dr. Boucsein for guiding the Committee's Recommendations report (Boucsein et al., Psychophysiology, in press), and for his many contributions to the Society and to the field as a whole.*

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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 Ohman	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 Naatanen	1998–99
Richard J. Davidson	1999–2000
Robert W. Levenson	2000–01
Margaret M. Bradley	2001–02
Connie C. Duncan	2002–03
Bruce N. Cuthbert	2003–04
Niels Birbaumer	2004–05
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Michael G.H. Coles	1987–93
John T. Cacioppo	1994–98
Gregory A. Miller	1999–02
Margaret M. Bradley	2003–05

**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. Sokolow	1988
Peter J. Lang	1990
John Stern	1993
Emanuel Donchin	1994
Risto Naatanen	1995
David T. Lykken	1998
Steven A. Hillyard	1999
John T. Cacioppo	2000
Arne Ohman	2001
Michael G.H. Coles	2002
Robert M. Stern	2004
Cornelis H.M. Brunia	2005
Marta Kutas	2007
William G. Iacono	2008
Niels Birbaumer	2009
Judith M. Ford	2010
Margaret M. Bradley	2011

**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 Pulvermuller	1995
Erich Schroger	1996
Brett A. Clementz	1997
Gabriele Gratton	1997
Christopher R. France	1998
Axel Mecklinger	1999
John J.B. Allen	2000
James J. Gross	2000
Martin Heil	2001
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

2012–2013 FUND CONTRIBUTORS

(Contributions received by June 1, 2012)

Mustafa al'Absi	Bruce D. Bartholow
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Eddie Harmon-Jones	Michael Niznikiewicz
Wendy Heller	Yoshimi Ohgami
Ursula Hess	Arne Ohman
Charles H. Hillman	Daniela Palomba
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Chinmayi Tengshe	

GENERAL INFORMATION

Registration

Registration will be held in the Roosevelt Pre-Function Foyer at The Roosevelt New Orleans Hotel during the following hours:

Wednesday, September 19	4:00 P.M.–8:00 P.M.
Thursday, September 20	7:15 A.M.–6:30 P.M.
Friday, September 21	8:00 A.M.–5:00 P.M.
Saturday, September 22	8:30 A.M.–12:30 P.M.

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

Poster Sessions

Poster sessions will be held in the Roosevelt Ballroom at The Roosevelt New Orleans Hotel. The Exhibit Hall is also located in the Roosevelt Ballroom.

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

Wednesday, September 19

Poster Session I

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

Thursday, September 20

Poster Session II

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

Friday, September 21

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 22

Poster Session IV

8:00 A.M.–10:00 A.M.	Posters Assembled
10:00 A.M.–2:30 P.M.	Posters Available for Viewing
2:30 P.M.–4:30 P.M.	Authors Present for Discussion and Questions
4:30 P.M.–5:30 P.M.	Dismantle Posters

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

Announcements

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

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

Publication of Abstracts

Abstracts of papers presented in the symposia and the poster sessions are published in the September 2012 supplement volume of *Psychophysiology*. Copies of the supplement are available at the registration desk.

COMMITTEE MEETINGS

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

Board of Directors

President: Christopher Patrick (cpatrick@psy.fsu.edu)

Wednesday, 12:00 noon–5:00 P.M.

Sunday, 9:00 A.M.–12:30 P.M.

Public Relations Committee

Chair: Greg Hajcak (hajcak@gmail.com)

Wednesday, 5:00 P.M.–6:00 P.M.

2012 Program Committee

Chair: Greg Hajcak (hajcak@gmail.com)

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

Please meet in the hotel lobby at 11:15 A.M.

Archives Committee

Chair: Louis G. Tassinary (ltassinary@mac.com)

Thursday, 11:45 A.M.–1:00 P.M. (Lunch)

Please meet in the hotel lobby at 11:30 A.M.

The Psychophysiology Board of Associate Editors

Chair: Robert F. Simons (rsimons@psych.udel.edu)

Thursday, 5:00 P.M.–6:00 P.M.

Past Presidents' Dinner

Thursday, 8:30 P.M. (Dinner)

Please meet in the hotel lobby at 8:15 P.M.

2013 Program Committee

Chair: Andreas Löw (andreas.loew@uni-greifswald.de)
 Friday, 12:00 noon–1:30 P.M. (Lunch)
 Please meet in the hotel lobby at 11:45 A.M.

Education and Training Committee

Chair: Heather Urry (heather.urry@tufts.edu)
 Friday, 12:00 noon–1:30 P.M. (Lunch)
 Please meet in the hotel lobby at 12:00 noon.

Outreach Committee

Co-Chair: Eliane Volchan (evolchan@biof.ufrj.br)
Co-Chair: Yasunori Kotani (kotani.y.aa@m.titech.ac.jp)
 Friday, 12:15 P.M. (Lunch)
 Please meet in the hotel lobby at 12:00 noon.

Student Poster Award Committee

Chair: Gary Berntson (berntson.2@osu.edu)
 Friday, 8:30 P.M.

Committee to Promote Student Interests

Chair: Catherine Norris
 (Catherine.j.norris@dartmouth.edu)
 Friday, 8:15 P.M.–9:15 P.M.

General Business Meeting and Luncheon

Saturday, 12:45 P.M.–2:30 P.M.

SPECIAL INTEREST LUNCHEONS AND DINNERS

As in previous years, small group 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 in the SPR Registration Area on the announcements board.

NEW TO SPR?

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

**EDUCATION AND TRAINING
COMMITTEE
ROUNDTABLE DISCUSSIONS**

11:30 A.M.–1:00 P.M.
Thursday, September 20
Chamber I & III (Mayor's Suite Level)

This year, there will again be the opportunity to participate in the Roundtable Discussions. Each topic will be led by one or more leaders in their respective fields. To register, please contact Amy Bayer at spr@reesgroupinc.com. For questions on a particular roundtable, please contact Carien van Reekum at c.vanreecum@reading.ac.uk or Bruce Friedman at bhfriedm@vt.edu. Attendance is limited to 8 people at each roundtable. Confirm your attendance prior to Wednesday, September 5!

Emotion Elicitation in the Lab
(Arvid Kappas & Sylvia Kreibig)

Impedance Cardiography
(Kristen Salomon & Mustafa al'Absi)

Methodological Challenges in Aging Research
(Louise Hawkley & Robert Levenson)

Multimodal Brain Imaging
(Stefan Debener & Joseph Dien)

Optical Imaging
(Monica Fabiani & Gabriele Gratton)

***Studying Social Interactions in
Neuroscience/Psychophysiology Lab Settings***
(Eric Vanman & Catherine Norris)

**EARLY CAREERS
CONVERSATION HOUR**

8:15 P.M.–10:15 P.M.
Thursday, September 20
Conti Room (Mezzanine Level)

Don't miss this opportunity to discuss early career issues with some of SPR's leading scientists! As in past years, the first hour will be a panel discussion, followed by a breakout into small groups. If you have questions about this event or would like to RSVP, please contact Robin Nusslock by e-mail at nusslock@northwestern.edu. The deadline to register is Wednesday, September 5.

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

12:00 noon–1:30 P.M.

Friday, September 21

Chamber II & IV (Mayor's Suite Level)

(RSVP by Wednesday, September 5)

The Committee to Promote Student Interests will be hosting a luncheon focused on Women in Science and Education. Please join us for the Seventh Annual Women in Science lunch box discussion.

This year we are pleased to present social psychologist Dr. Jane Stout from the University of Colorado. Dr. Stout's presentation will delve into her work on the role that group belonging plays in women opting in and out of science related fields. Specifically, in addition to talking about the latest findings in STEM research, we will discuss the role that belonging plays in women pursuing careers in science, buffers in place that lead to a sense of alienation, as well as ways to heighten women's sense of belonging in SPR and science related fields more generally. In addition to this year's presentation, we will also be starting up a mentorship program where senior graduate students and post-docs have an opportunity to meet with senior faculty to ask questions and seek advice about being on the job market and pursuing careers in academia.

To inquire about participating in the W.I.S.E. Committee, the mentorship program, or the luncheon more generally, please contact Erika Henry (Erika.Henry@colorado.edu). Also, please RSVP for the luncheon by Wednesday, September 5 so we can provide the appropriate amount of food and drink!

INTERNET STATION

An Internet station will be available for all attendees at the following times in the Roosevelt Ballroom (Mezzanine Level):

Wednesday, September 19	4:00 P.M.–9:00 P.M.
Thursday, September 20	8:00 A.M.–8:15 P.M.
Friday, September 21	8:00 A.M.–8:30 P.M.
Saturday, September 22	8:00 A.M.–4:30 P.M.

SPEAKER READY ROOM

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

Thursday, September 20	7:00 A.M.–5:00 P.M.
Friday, September 21	7:00 A.M.–5:00 P.M.
Saturday, September 22	7:00 A.M.–11:00 A.M.

FUTURE ANNUAL MEETING

53rd SPR Annual Meeting

October 2–6, 2013

Firenze Fiera Congress & Exhibition Center
Florence, Italy

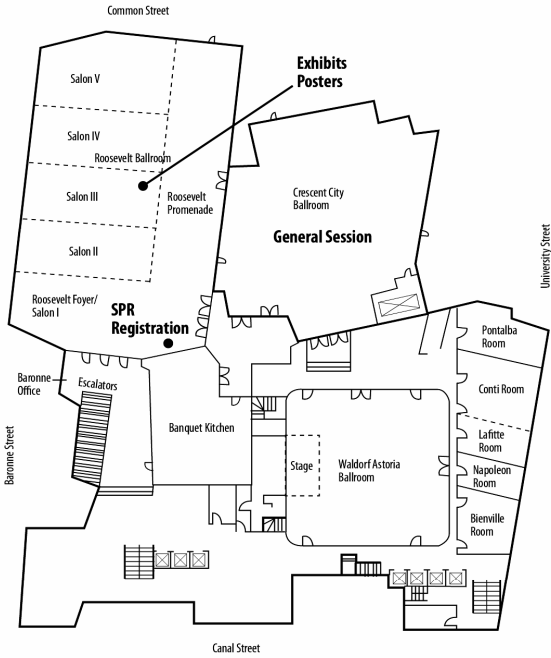
EXHIBITORS

Please take time while you are at the SPR meeting to visit the exhibit area located in the Roosevelt Ballroom (Mezzanine Level). 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!

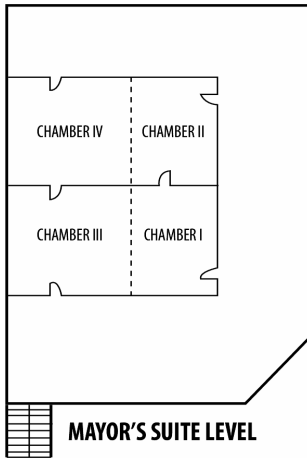
Open Exhibit Hours

Wednesday, September 19	7:00 P.M.–9:00 P.M.
Thursday, September 20	9:00 A.M.–8:15 P.M.
Friday, September 21	10:00 A.M.–8:30 P.M.

SPR 2012 Hotel Floor Plans
The Roosevelt Hotel, New Orleans, LA



MEZZANINE LEVEL



MAYOR'S SUITE LEVEL

PROGRAM
Tuesday, September 18

8:30 A.M.—4:30 P.M.

Waldorf Astoria Ballroom (Mezzanine Level)

Pre-Conference Workshop #1 (Two-Day Workshop)
(Available for an additional fee)

**INTRODUCTION TO USING ERPLAB
TOOLBOX FOR ERP DATA ANALYSIS
(Day One)**

Steven J. Luck, PhD

University of California, Davis

ERPLAB Toolbox is a free, open-source Matlab package for analyzing ERP data (downloadable at <http://erpinfo.org/erplab>). It is tightly integrated with EEGLAB Toolbox, extending EEGLAB's capabilities to provide robust, industrial-strength tools for ERP processing, visualization, and analysis. A graphical user interface makes it easy for beginners to learn, and Matlab scripting provides enormous power for intermediate and advanced users. In this workshop, we will go through a set of tutorials designed to familiarize new ERPLAB users with the basic steps involved in processing, plotting, and analyzing ERPs. This will include rejecting artifacts, sorting trials for averaging, filtering, re-referencing, making difference waves, plotting, measuring amplitudes and latencies, and extracting behavioral data. We will also provide the theoretical background and practical advice that are needed when selecting various procedures and parameters. Participants will be expected to bring a laptop computer with Matlab, ERPLAB, and EEGLAB so that they can follow along with the tutorials. We will focus mostly on using the graphical user interface, but we will also provide an introduction to scripting.

Wednesday, September 19

8:30 A.M.—4:30 P.M.

*Waldorf Astoria Ballroom (Mezzanine Level)****Pre-Conference Workshop #1 (Two-Day Workshop)*****INTRODUCTION TO USING ERPLAB
TOOLBOX FOR ERP DATA ANALYSIS
(Day Two)**

Steven J. Luck, PhD

University of California, Davis

8:30 A.M.—4:30 P.M.*Orpheum Room (Second Level)****Pre-Conference Workshop #2***
(Available for an additional fee)**ICA/PCA OF ERP DATA: AN EP TOOLKIT
TUTORIAL WORKSHOP**

Joseph Dien, PhD

University of Maryland, College Park, MD

This one-day workshop is an introduction to the use of independent components analysis (ICA) and principal components analysis (PCA) for the purposes of preprocessing data, identification of ERP components, inference testing, and enhancement of source analysis. The session will consist of a mix of lecture and hands-on tutorials. The EP Toolkit (Dien, 2010) will be used to conduct all the analyses. The EP Toolkit is an open source software package that requires Matlab (2006 or later) to run. Attendees will need to bring a laptop with Matlab if they are to participate in the tutorials. A CD with the installation files for the EP Toolkit (not including Matlab) and tutorial datasets will be provided. Attendees are also welcome to bring their own data as an alternative to the tutorial datasets.

8:30 A.M.—4:30 P.M.

Chamber I & III (Mayor's Suite Level)

Pre-Conference Workshop #3
(Available for an additional fee)

**BEYOND TRADITIONAL APPROACHES TO
ANALYZING REPEATED MEASURES:
APPLYING MULTI-LEVEL MODELING IN
PSYCHOPHYSIOLOGICAL RESEARCH**

Theodore P. Beauchaine, PhD

Washington State University, Pullman, WA

Most psychophysiological research in which data are collected across multiple measurement points are analyzed with either repeated measures analysis of variance (ANOVA) or multivariate analysis of variance (MANOVA). Although multilevel modeling (MLM) is well suited for such data and has several advantages including less restrictive assumptions, greater statistical power, and provision for direct modeling of time-varying covariates, it is still used sparingly by psychophysiologicalists. In this workshop, I will (1) describe different approaches to analyzing repeated measures data, including ANOVA, MANOVA, growth curve analysis (the basis of MLM), and MLM; (2) present illustrative examples of the advantages of MLM with data collected in my lab; and (3) provide a hands-on tutorial on using and interpreting results from Hierarchical Linear Modeling (HLM) software, version 7. Participants are encouraged to download the free Student Edition of HLM 7 (<http://www.ssicentral.com/hlm/student.html>) before arriving. Although a dataset will be provided to run practice analyses on in the afternoon, participants may also bring their own data.

12:00 noon—5:00 P.M.

Conti Room (Mezzanine Level)

SPR Board of Directors Meeting

4:00 P.M.—8:00 P.M.

Roosevelt Foyer (Mezzanine Level)

Registration Opens

4:00 P.M.—9:00 P.M.

Roosevelt Ballroom (Mezzanine Level)

Internet Station

5:30 P.M.—7:00 P.M.

Chamber IV (Mayor's Suite Level)

Panel Discussion 1

**PSYCHOPHYSIOLOGY AT A PRIMARILY
UNDERGRADUATE INSTITUTION: TEACHING
AND RESEARCH**

Chair: Echo E. Leaver

University of South Carolina, Aiken

**CLINICAL PSYCHOPHYSIOLOGY IN A
PUI SETTING**

Sarah Sass

University of Texas at Tyler

**FUNDING, ACCESSIBILITY, AND RESOURCES
FOR PSYCHOPHYSIOLOGY RESEARCH WITH
MINORITY STUDENTS**

Echo E. Leaver

University of South Carolina, Aiken

**ENGAGING UNDERGRADUATE STUDENTS IN
THE RESEARCH PROCESS**

Jeffrey J. Sable

University of Memphis

**MAINTAINING A PRODUCTIVE RESEARCH
LAB UTILIZING UNDERGRADUATES AND
MASTERS STUDENTS**

Paul D. Kieffaber

College of William & Mary

**DEVELOPING A COMMUNITY OF FACULTY
AND STUDENTS AT A PUBLIC PUI FOR
RESEARCH IN PSYCHOPHYSIOLOGY AND
COGNITIVE NEUROSCIENCE**

Sarah Wood & Michael P.W. Donnelly

University of Wisconsin, Stout

5:30 P.M.—7:00 P.M.

Pontalba Room (Mezzanine Level)

Roundtable Discussion

EEG/ERP PUBLICATION GUIDELINES

Chair: Andreas Keil

University of Florida

Participants: Stefan Debener¹, Gabriele Gratton²,
Markus Junghöfer³, Emily S. Kappenman⁴, Steven J.
Luck⁴, Phan Luu⁵, Gregory A. Miller⁶, and Cindy M.
Yee⁷

¹*University of Oldenburg*, ²*University of Illinois at
Urbana-Champaign*, ³*University of Muenster*, ⁴*University
of California, Davis*, ⁵*University of Oregon and Electrical
Geodesics, Inc.*, ⁶*University of Delaware*, ⁷*University of
California, Los Angeles*

7:00 p.m.—9:00 p.m.

Roosevelt Ballroom (Mezzanine Level)

Opening Reception

Exhibits Open

7:00 p.m.—9:00 p.m.

Roosevelt Ballroom (Mezzanine Level)

Poster Session I

Thursday, September 20

7:15 A.M.—6:30 P.M.

*Roosevelt Foyer (Mezzanine Level)****Registration Open***

8:00 A.M.—8:15 P.M.

*Roosevelt Ballroom (Mezzanine Level)****Internet Station***

8:00 A.M.—8:15 A.M.

*Crescent City Ballroom (Mezzanine Level)****Welcome and Introductory Remarks***

Christopher Patrick, PhD

Florida State University

8:15 A.M.—9:15 A.M.

*Crescent City Ballroom (Mezzanine Level)****Invited Address*****IMAGING DISEASES OF POOR
SELF-CONTROL**

Nora D. Volkow, MD, PhD

*Director of the National Institute on Drug Abuse
(NIDA), Bethesda, Maryland*

9:00 A.M.—8:15 P.M.

*Roosevelt Ballroom (Mezzanine Level)****Exhibits Open***

9:15 A.M.—9:45 A.M.

*Roosevelt Ballroom (Mezzanine Level)****Refreshment Break***

9:45 A.M.—11:30 A.M.

*Crescent City Ballroom (Mezzanine Level)****Symposium 1.1*****SLEEP, LEARNING, AND INSIGHT**

Chair: Rolf Verleger

University of Lübeck

**INCREASED ALPHA (8-12 HZ) ACTIVITY
DURING SLOW-WAVE SLEEP AS A MARKER
FOR THE TRANSITION FROM IMPLICIT
KNOWLEDGE TO EXPLICIT INSIGHT**

Juliana Yordanova¹, Vasil Kolev¹, Ullrich Wagner², Jan Born³, & Rolf Verleger⁴

¹*Academy of Sciences Sofia*, ²*Charité - University
Medicine Berlin*, ³*University of Tübingen*, ⁴*University of
Lübeck*

**SLEEP SELECTIVELY BENEFITS EMOTIONAL
ASPECTS OF SCENES: BEHAVIORAL AND
NEURAL EVIDENCE**

Jessica D. Payne¹ & Elizabeth A. Kensinger²

¹*University of Notre Dame*, ²*Boston College*

**MEMORY STABILIZATION WITH TARGETED
REACTIVATION DURING HUMAN SLOW-
WAVE SLEEP**

Atsuko Takashima¹, Eelco V. van Dongen¹, Markus Barth¹, Lothar R. Schad², Jascha Zapp², Ken A. Paller³, & Guillén Fernández¹

¹*Donders Institute for Brain, Cognition and Behaviour,
Nijmegen*, ²*University of Heidelberg*, ³*Northwestern
University*

SLEEP AND MEMORY INTERFERENCE

Edwin M. Robertson

Harvard University

**INVESTIGATING REACTIVATION OF
STIMULUS-SPECIFIC ACTIVITY PATTERNS
USING INTRACRANIAL EEG AND
FUNCTIONAL MRI**

Lorena Deuker, Thorsten Kranz, Jan Olligs, Jürgen Fell, & Nikolai Axmacher

University of Bonn

9:45 A.M.—11:30 A.M.

Waldorf Astoria Ballroom (Mezzanine Level)

Symposium 1.2

**FUNCTIONAL CONNECTIVITY AND THE
STUDY OF PSYCHOPATHOLOGY**

Chair: Michael S. Gaffrey

Washington University School of Medicine

**A RESTING STATE FUNCTIONAL
CONNECTIVITY STUDY OF THE DEFAULT
MODE NETWORK IN DEPRESSED
PRESCHOOLERS**

Michael S. Gaffrey¹, Deanna M. Barch², & Joan L. Luby¹

¹Washington University School of Medicine, ²Washington University in St. Louis

**AMYGDALA ACTIVATION AND PREFRONTAL
CORTEX FUNCTIONAL CONNECTIVITY IN
YOUTH WITH AUTISM SPECTRUM
DISORDERS**

Christopher S. Monk, Johnna R. Swartz, Jillian L. Wiggins, Melisa Carrasco, & Catherine Lord
University of Michigan

**WORKING MEMORY RELATED BRAIN
NETWORK CONNECTIVITY IN INDIVIDUALS
WITH SCHIZOPHRENIA AND THEIR
SIBLINGS**

Deanna M. Barch¹ & Grega Repovs²

¹Washington University in St. Louis, ²University of Ljubljana

**DELETERIOUS RESTING-STATE
CONNECTIVITY IN STIMULANT
DEPENDENCE**

Angus MacDonald III¹, Jazmin Camchong², Edward Patzelt³, Krista Wisner³, Sheila Specker⁴, & Kelvin O. Lim⁴

¹University of Minnesota and University of Minnesota School of Medicine, ²University of Minnesota School of Medicine and Neurobehavioral Research Inc., Honolulu,

³University of Minnesota, ⁴University of Minnesota School of Medicine

9:45 A.M.—11:30 A.M.

Orpheum Room (Second Level)

Symposium 1.3

**THE SOCIAL FACE: THE IMPACT OF SOCIAL
AND AFFECTIVE INFORMATION ON FACE
AND CONTEXT PROCESSING**

Chairs: Matthias J. Wieser¹ & Florian Bublitzky²

¹University of Würzburg, ²University of Mannheim

**TOUCHED BY THE SCENT OF A MAN:
PHEROMONE ENHANCES EARLY NEURAL
PROCESSING OF MALE FACES IN WOMEN**

Markus Junghöfer
University of Münster

**IN THE SIGHT OF LOVE: CENTRAL AND
PERIPHERAL REACTIONS IN EMOTION-
FROM-IDENTITY PROCESSES**

Pedro Guerra¹, Alicia Sánchez-Adam¹, Lourdes Anllo-
Vento², Inmaculada León³, Antonieta Bobes⁴, & Jaime
Vila¹

¹*University of Granada*, ²*University of Granada*, *Federico
Olóriz Neuroscience Institute*, ³*University of La Laguna*,
⁴*Cuban Center for Neuroscience*

**INTENSIFIED PROCESSING OF
EMOTIONALLY AND SOCIALLY SIGNIFICANT
FACIAL EXPRESSIONS: AN ERP STUDY**

Florian Bublitzky, Antje B.M. Gerdes, & Georg W.
Alpers
University of Mannheim

**PERCEPTION OF FACIAL EXPRESSIONS IN
VISUAL CONTEXTS – FEARFUL FACES
BROADEN ATTENTION TO
POTENTIAL THREAT**

Matthias J. Wieser¹ & Andreas Keil²
¹*University of Würzburg*, ²*University of Florida*

**EFFECTS OF EMOTIONAL FACE PROCESSING
ON AUDITORY, VISUAL, AND
SOMATOSENSORY INFORMATION**

Judith Domínguez-Borràs¹, Sebastian Rieger¹, & Patrik
Vuilleumier²

¹*University of Geneva*, ²*University of Geneva and
University Hospital of Geneva*

11:30 A.M.—1:00 P.M.

Break for Lunch (on your own)

11:30 A.M.—1:00 P.M.

Chamber III (Mayor's Suite Level)

***Education and Training Committee
Roundtable Discussions***

EMOTION ELICITATION IN THE LAB

Arvid Kappas & Sylvia Kreibig

IMPEDANCE CARDIOGRAPHY

Kristen Salomon & Mustafa al'Absi

**METHODOLOGICAL CHALLENGES IN
AGING RESEARCH**

Louise Hawkley & Robert Levenson

MULTIMODAL BRAIN IMAGING

Stefan Debener & Joseph Dien

OPTICAL IMAGING

Monica Fabiani & Gabriele Gratton

**STUDYING SOCIAL INTERACTION IN
NEUROSCIENCE/PSYCHOPHYSIOLOGY
LAB SETTINGS**

Eric Vanman & Catherine Norris

11:45 A.M.—1:00 P.M.

Meet in the hotel lobby at 11:30 A.M.

Archives Committee

1:00 P.M.—2:30 P.M.

Crescent City Ballroom (Mezzanine Level)

Symposium 2.1

THE NEUROBIOLOGY OF PSYCHOPATHY

Chair: Stuart F. White

National Institute of Mental Health/NIH

Discussant: James R. Blair

National Institute of Mental Health/NIH

DISRUPTED EXPECTED-VALUE AND PREDICTION ERROR SIGNALING DURING A PASSIVE AVOIDANCE TASK IS MODULATED BY PSYCHOPATHIC TRAITS IN YOUTH WITH DISRUPTIVE BEHAVIOR DISORDERS

Stuart F. White¹, Kayla Pope², Stephen Sinclair¹, Sarah J. Brislin¹, W. C. Williams¹, Daniel S. Pine¹, & James R. Blair¹

¹*National Institute of Mental Health/NIH*, ²*Boy's Town*

SHARED CIRCUITS AND EMPATHY IN PSYCHOPATHY

Harma Meffert¹, Valeria Gazzola¹, Johan A. den Boer¹, Arnold A.J. Bartels¹, & Christian Keysers²

¹*University Medical Center Groningen*, ²*Netherlands Institute for Neuroscience*

EVIDENCE FOR INCREASED NEURAL RESPONSE TO AVERSIVE STIMULI IN INDIVIDUALS WITH HEIGHTENED PSYCHOPATHIC TRAITS

Matthew S. Shane

The Mind Research Network

FACETS OF PSYCHOPATHY AND ERP RESPONSE TO AFFECTIVE PICTURES: DISTINCTIVE ASSOCIATIONS WITH LPP/SLOW WAVE AND P3/DELTA COMPONENTS

Jason R. Hall, Aisha L. Howard, Eva R. Kimonis, & Christopher J. Patrick

University of South Florida

TRIARCHIC CONCEPTUALIZATION OF PSYCHOPATHY: BOLDNESS, MEANNESS AND DISINHIBITION ARE DIFFERENTIALLY RELATED TO HEART RATE AND ELECTRODERMAL ACTIVITY IN MALES AND FEMALES

Josanna van Dongen¹, Joke Tulen², Hugo van Steenis², Andre Wierdsma², & Hjalmar van Marle³

¹*Erasmus Medical Center & University of Rotterdam*,

²*Erasmus Medical Center*, ³*University of Rotterdam*

1:00 P.M.—2:30 P.M.

Orpheum Room (Second Level)

Symposium 2.2

NEW DEVELOPMENTS IN THE PSYCHOPHYSIOLOGY OF AUTISM SPECTRUM DISORDERS

Chair: Bruce H. Friedman

Virginia Tech

Discussant: Stephen J. Sheinkopf

Brown Medical School

PROCESSING OF EMOTIONAL FACES AND VOICES IN AUTISM SPECTRUM DISORDERS: ERP CORRELATES AND INTERACTION WITH SOCIAL KNOWLEDGE

Matthew D. Lerner¹, James P. Morris¹, & James C.
McPartland²

¹*University of Virginia*, ²*Yale Child Study Center*

AUTONOMIC REACTIVITY AND AUDITORY PROCESSING COVARY IN AUTISM

Gregory F. Lewis¹, Kimberly McCue², Shannon
Stanfill², Matthew Macellaio², & Stephen W. Porges¹

¹*Research Triangle Institute International*, ²*University of
Illinois, Chicago*

AUTISM SPECTRUM DISORDERS THROUGH A NEUROPHYSIOLOGICAL LENS

Michelle A. Patriquin¹, Angela Scarpa¹, Bruce H.
Friedman¹, Susan W. White¹, & Kenneth T. Kishida²

¹*Virginia Tech*, ²*Virginia Tech Carilion Research Institute*

EEG INDICES AND RESPIRATORY SINUS ARRHYTHMIA AS BIOMARKERS OF TREATMENT RESPONSE IN ADOLESCENTS WITH ASD

Amy Vaughan Van Hecke, A. Meyer, S. Stevens, B.
Dolan, J. Karst, K. Schohl, S. Brockman, R. Rimmel,
N. Frtiz, & C. Gasaway

Marquette University

1:00 P.M.—2:30 P.M.

Waldorf Astoria Ballroom (Mezzanine Level)

Symposium 2.3

THE PRESENT AS THE PAST'S FUTURE

Chair: Emanuel Donchin

University of South Florida

PSYCHOPATHOLOGY: DIMENSIONS TO RESEARCH DOMAIN CRITERIA

Bruce N. Cuthbert

National Institute of Mental Health

PSYCHOPHYSIOLOGICAL CLASSICAL CONDITIONING AT THE INTERFACE OF COGNITIVE SCIENCE, NEUROSCIENCE, AND CLINICAL SCIENCE

Michael E. Dawson

University of Southern California

MENS SANA IN CORPORE SANO: AGING, CEREBROVASCULAR HEALTH, AND CARDIORESPIRATORY FITNESS

Monica Fabiani

University of Illinois at Urbana-Champaign

DO YOU ALWAYS HAVE TO BE SO NEGATIVE?

Robert F. Simons

University of Delaware

2:30 P.M.—3:00 P.M.

Roosevelt Ballroom (Mezzanine Level)

Refreshment Break

3:00 P.M.—4:30 P.M.

Orpheum Room (Second Level)

Symposium 3.1

EEG CONNECTIVITY AND AUTISM: METHODOLOGICAL AND CLINICAL FEATURES

Chair: Jim Stieben

York University

Discussant: Sidney J. Segalowitz

Brock University

**TREATMENT-RELATED CHANGES IN EEG
CONNECTIVITY IN PRESCHOOL CHILDREN
WITH AUTISM**

Jim Stieben & Luis Dominguez
York University

**PHASE SHIFTING GRANGER CAUSALITY: A
MEASURE OF DIRECTED COHERENCE**

Sidney J. Segalowitz¹, William J. Marshall², &
Christine L. Lackner¹
¹*Brock University*, ²*University of Waterloo*

**RELATIONS BETWEEN BEHAVIOURAL
SYMPTOMATOLOGY AND REGIONAL EEG
ALPHA POWER AND COHERENCE IN ADULTS
WITH AUTISM SPECTRUM DISORDER**

Karen J. Mathewson¹, Michelle K. Jetha², Irene E.
Drmic³, Susan E. Bryson⁴, Joel O. Goldberg¹, & Louis
A Schmidt¹
¹*McMaster University*, ²*Brock University*, ³*York
University*, ⁴*Dalhousie University*

**IMAGINARY COHERENCE AS A BIOMARKER
OF AUTISM**

Luis Dominguez¹, Jim Stieben¹, & Jose Velazquez²
¹*York University*, ²*University of Toronto*

3:00 P.M.—4:30 P.M.

Waldorf Astoria Ballroom (Mezzanine Level)

Symposium 3.2

**ERP STUDIES OF ADULT SECOND
LANGUAGE ACQUISITION**

Chair: Joseph Dien
University of Maryland

**INTERACTIONS BETWEEN LEXICAL AND
SYNTACTIC KNOWLEDGE IN ESL: ERP
EVIDENCE FOR TRANSFER EFFECTS IN
COMPREHENSION OF THE
ENGLISH CAUSATIVE**

Gwen A. Frishkoff & G. Taylor Brooks
Georgia State University

**NEUROPHYSIOLOGICAL INDICES OF
PROCESSING SPECTRAL VERSUS TEMPORAL
INFORMATION IN NON-NATIVE SYLLABLES**

Valerie L. Shafer
The Graduate Center, CUNY

**PROCESSING OF TENSE VIOLATIONS BY
CHINESE 2ND LANGUAGE LEARNERS
OF ENGLISH**

Renee Dong & Arild Hestvik
University of Delaware

**ERP EVIDENCE FOR DISTINGUISHING
BETWEEN ORTHOGRAPHIC/
PHONOLOGICAL AND BALANCED ADULT
ENGLISH READERS**

Joseph Dien, Valerie Karuzis, Melody S. Berens, Polly
O'Rourke, & Henk J. Haarmann
University of Maryland

3:00 P.M.—4:30 P.M.

Crescent City Ballroom (Mezzanine Level)

Symposium 3.3

**TO FEAR OR NOT TO FEAR: EXCITATORY
AND INHIBITORY CONDITIONING IN THE
LABORATORY AND THE CLINIC**

Chair: Vladimir Miskovic
University of Florida

**IMPAIRED SAFETY SIGNAL PROCESSING AS A
BRAIN-BASED INTERMEDIATE PHENOTYPE**

Tanja Jovanovic & Seth D. Norrholm
Emory University

WHEN SAFE IS NOT ALWAYS SAFE

Alfons Hamm, Julia Wendt, Elisa Steinfurth, &
Christiane Pané-Farré
University of Greifswald

**THE ROLE OF CONDITIONED FEAR
GENERALIZATION IN THE ANXIETY
DISORDERS: A MOVE TOWARD STUDYING
BOTH PAVLOVIAN AND INSTRUMENTAL
CONTRIBUTIONS**

Shmuel Lissek
University of Minnesota, Twin Cities

**PERCEIVING THREAT IN THE FACE OF
SAFETY: EXCITATION AND INHIBITION OF
CONDITIONED FEAR IN HUMAN
VISUAL CORTEX**

Vladimir Miskovic & Andreas Keil
University of Florida

4:30 P.M.—4:45 P.M.

Break

4:45 P.M.—6:15 P.M.

Crescent City Ballroom (Mezzanine Level)

Symposium 4.1

**THE DEVELOPMENTAL NEUROBIOLOGY OF
ADOLESCENCE: IMPLICATIONS FOR
EMERGING AFFECTIVE AND
BEHAVIORAL DISORDERS**

Chair: Nicholas B. Allen
University of Melbourne

**NEURAL RESPONSE TO REWARD AS A
PREDICTOR OF RISE IN DEPRESSIVE
SYMPTOMS IN ADOLESCENCE**

Judith Morgan, Thomas Olin, Dana McMakin, Neal
Ryan, & Erika Forbes
University of Pittsburgh

**PITUITARY GLAND AND HIPPOCAMPUS
VOLUMES PROSPECTIVELY PREDICT HPA-
AXIS FUNCTION DURING ADOLESCENCE:
SEX DIFFERENCES AND IMPLICATIONS FOR
THE DEVELOPMENT OF
PSYCHOPATHOLOGY**

Sarah Whittle¹, Julian G. Simmons¹, Michael Kaess²,
& Nicholas B. Allen¹

¹*University of Melbourne*, ²*Orygen Youth Health*

COUPLING BETWEEN HYPOTHALAMIC-PITUITARY-ADRENAL AND -GONADAL AXES AMONG INCARCERATED ADOLESCENTS: THE INFLUENCE OF PSYCHOPATHIC TRAITS AND HISTORIES OF ABUSE

Megan M. Johnson¹, Andrew Dismukes¹, Michael J. Vitacco², & Elizabeth A. Shirtcliff⁴

¹*University of New Orleans*, ²*Georgia Health Sciences University*

DEPRESSIVE SYMPTOMS AND C-REACTIVE PROTEIN IN ADOLESCENTS: EFFECTS OF BMI AND SEX

Michelle L. Byrne, Neil O'Brien-Simpson, & Nicholas B. Allen

University of Melbourne

4:45 P.M.—6:15 P.M.

Waldorf Astoria Ballroom (Mezzanine Level)

Symposium 4.2

SOCIAL MISTAKES: SOCIAL PSYCHOLOGICAL PERSPECTIVES ON ERROR-RELATED BRAIN PROCESSES

Chair: Michael Inzlicht

University of Toronto

ERN AND THE PLACEBO: A MISATTRIBUTION APPROACH TO STUDYING THE AROUSAL PROPERTIES OF THE ERROR-RELATED NEGATIVITY

Michael Inzlicht¹ & Timour Al-Khindi²

¹*University of Toronto*, ²*John Hopkins University*

IT'S ALL IN YOUR MIND(SET): TRAIT AND STATE GROWTH MINDSET FACILITATE ADAPTIVE ERROR PROCESSING

Jason S. Moser & Hans S. Schroder

Michigan State University

**KEEPING CHAOS AT BAY: MESSAGES ABOUT
COMPREHENSIBLE AND
INCOMPREHENSIBLE ORDER REDUCE
ERN AMPLITUDE**

Alexa M. Tullett¹, Michael Inzlicht², & Aaron Kay³
¹*The University of Alabama*, ²*University of Toronto*,
³*Duke University*

**ERROR-RELATED BRAIN ACTIVITY REVEALS
SELF-CENTRIC MOTIVATION:
CULTURE MATTERS**

Shinobu Kitayama & Jiyoung Park
University of Michigan

4:45 P.M.—6:15 P.M.

Orpheum Room (Second Level)

Symposium 4.3

**RECENT DEVELOPMENTS IN
PSYCHOPATHOLOGY RESEARCH USING
STARTLE PROBE METHODOLOGY**

Chairs: Uma Vaidyanathan & Shmuel Lissek
University of Minnesota

Discussant: Christopher J. Patrick
Florida State University

**DEFENSIVE RESPONDING IN MOOD AND
ANXIETY DISORDERS**

Christian Grillon
National Institute of Mental Health

**FEAR-POTENTIATED STARTLE TO THREAT
OF SHOCK IS ASSOCIATED WITH
BEHAVIORAL AVOIDANCE**

Antonia N. Kaczurkin, Eleanor I. Stahura, & Shmuel
M. Lissek
University of Minnesota

**BLUNTED EMOTIONAL PROCESSING IN
PATIENTS WITH NEGATIVE SYMPTOMS
OF SCHIZOPHRENIA**

Stephen D. Benning¹, Taylor Benson², Rachel V.
Aaron², Heath S. Nichols², & Sohee Park²
¹*University of Nevada, Las Vegas*, ²*Vanderbilt University*

**BRAIN AND BLINK RESPONSES TO NOISE
PROBES DIFFERENTIATE PSYCHOPATHY
FROM ANTISOCIAL PERSONALITY
DISORDER**

Uma Vaidyanathan
University of Minnesota

5:00 P.M.—6:00 P.M.

Pontalba Room (Mezzanine Level)

The Psychophysiology Board of Associate Editors

6:15 P.M.—8:15 P.M.

Roosevelt Ballroom (Mezzanine Level)

Poster Session II

Exhibits Open

8:15 P.M.—10:15 P.M.

Conti Room (Mezzanine Level)

Early Career Conversation Hour

(Pre-registration requested.)

Friday, September 21

8:00 A.M.—5:00 P.M.

*Roosevelt Foyer (Mezzanine Level)****Registration Open***

8:00 A.M.—8:30 P.M.

*Roosevelt Ballroom (Mezzanine Level)****Internet Station***

9:00 A.M.—10:30 A.M.

*Crescent City Ballroom (Mezzanine Level)****Symposium 5.1*****MARKERS OF ALTERED POSITIVE AND
NEGATIVE REINFORCEMENT IN
INDIVIDUALS AT RISK FOR SUBSTANCE
DEPENDENCE****Chair:** Jennifer L. Stewart*University of California, San Diego***Discussant:** John J. Curtin*University of Wisconsin, Madison***SELECTIVE REDUCTION OF ANXIETY BY
ALCOHOL: EVIDENCE FROM LABORATORY
MANIPULATIONS OF THREAT UNCERTAINTY**Kathryn R. Hefner, Christine A. Moberg, Daniel E.
Bradford, & John J. Curtin*University of Wisconsin, Madison***DISSOCIATION BETWEEN BRAIN RESPONSES
TO CIGARETTE CUES AND NATURAL
REWARDS IN SMOKERS**Jeffrey M. Engelmann, Francesco Versace, Jason D.
Robinson, Edward F. Jackson, Cho Y. Lam, Jennifer A.
Minnix, Maher A. Karam-Hage, Victoria L. Brown,
David W. Wetter, & Paul M. Cinciripini*The University of Texas MD Anderson Cancer Center*

**YOUNG ADULTS AT RISK FOR STIMULANT
DEPENDENCE EXHIBIT REWARD
DYSFUNCTION DURING REINFORCEMENT
LEARNING**

Jennifer L. Stewart¹, Taru M. Flagan², April C. May¹,
Martina Reske³, Alan N. Simmons¹, & Martin P.
Paulus¹

¹University of California, San Diego, ²University of Texas
at Austin, ³Institute of Neuroscience and Medicine 4,
Forschungszentrum, Juelich

**INDIVIDUAL DIFFERENCES IN EMOTION
REGULATION, ALCOHOL, AND
PERFORMANCE MONITORING**

Erika A. Henry¹ & Bruce D. Bartholow²

¹University of Colorado, Boulder, ²University of Missouri,
Columbia

9:00 A.M.—10:30 A.M.

Blue Room (Lobby Level)

Symposium 5.2

**NEUROPHYSIOLOGICAL PROBES OF
ATTACHMENT-RELATED PROCESSES**

Chair: Michael J. Crowley
Yale Child Study Center

**NEURAL PROCESSES UNDERLYING THE
GENERALIZATION OF ATTACHMENT
PATTERNS IN EARLY ADOLESCENCE:
AN ERP STUDY**

Lars O. White¹, Jia Wu², Jessica L. Borelli³, Linda C.
Mayes², & Michael J. Crowley²

¹University of Leipzig, ²Yale Child Study Center,
³Pomona College

**ATTACHMENT AND EMOTIONAL RESPONSE
TO VULNERABILITY**

Jessica L. Borelli, Jessica L. West, & Nicole Weekes
Pomona College

**PROBING THE NEURAL CORRELATES OF
MATERNAL EXCLUSION AND REUNION IN
MIDDLE CHILDHOOD**

Michael J. Crowley, Tania Herrera, Jia Wu, & Linda
C. Mayes
Yale Child Study Center

**THE CONSEQUENCES OF ADDICTION TO
THE NEUROBIOLOGY OF MATERNAL
ATTACHMENT**

Helena J.V. Rutherford, Marc N. Potenza, & Linda C.
Mayes
Yale Child Study Center

9:00 A.M.—10:30 A.M.

Orpheum Room (Second Level)

Symposium 5.3

**AN INTEGRATIVE APPROACH TO EMOTION
REGULATION: MECHANISMS, INDIVIDUAL
DIFFERENCES, AND DEVELOPMENTAL
CONSIDERATIONS**

Chairs: Markus Junghöfer & Ida Wessing
University Hospital Münster

**THE NEURAL BASIS OF COGNITIVE CHANGE:
REAPPRAISAL OF EMOTIONAL FACES
MODULATES NEURAL SOURCE ACTIVITY IN
A FRONTO-PARIETAL ATTENTION NETWORK**

Ida Wessing, Tilman Fuerniss, & Markus Junghöfer
University Hospital Münster

**MECHANISMS UNDERLYING THE
REGULATION OF ATTENTION TOWARD
EMOTIONAL STIMULI**

Annmarie MacNamara & Greg Hajcak
Stony Brook University

**THE BRIGHT AND DARK SIDES OF
EMOTION REGULATION: NEURAL
CORRELATES OF COGNITIVE REAPPRAISAL
IN OPTIMISM AND WORRY**

Jason S. Moser
Michigan State University

**CULTURE SHAPES ELECTROCORTICAL
RESPONSES DURING EMOTION
SUPPRESSION**

Shinobu Kitayama¹, Asuka Murata¹, & Jason S. Moser²
¹*University of Michigan*, ²*Michigan State University*

**REAPPRAISAL FROM THE CRADLE TO THE
ROCKING CHAIR: ERP STUDIES OF
COGNITIVE EMOTION REGULATION
ACROSS THE LIFESPAN**

Tracy A. Dennis¹ & Jennifer M. DeCicco²

¹Hunter College, CUNY, ²The Graduate Center, CUNY

10:00 A.M.—8:30 P.M.

Roosevelt Ballroom (Mezzanine Level)

Exhibits Open

10:30 A.M.—11:00 A.M.

Roosevelt Ballroom (Mezzanine Level)

Refreshment Break

11:00 A.M.—12:00 noon

Crescent City Ballroom (Mezzanine Level)

Invited Address

**ELECTROPHYSIOLOGICAL SIGNATURES OF
CONSCIOUS PROCESSING**

Stanislas Dehaene, PhD

Professor at the Collège de France and Director of the

Cognitive Neuroimaging Unit of France's National

Medical Research Institute (INSERM)

Paris, France

12:00 noon—1:30 P.M.

Break for Lunch (on your own)

12:00 noon—1:30 P.M.

Chamber II & IV (Mayor's Suite Level)

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

Lunch Box Discussion

(Pre-registration required.)

12:15 P.M.—1:00 P.M.

Meet in the hotel lobby at 12:00 noon.

Outreach Committee

12:00 noon–1:30 P.M.

Meet in the hotel lobby at 12:00 noon.

Education and Training Committee

1:30 P.M.–3:00 P.M.

Crescent City Ballroom (Mezzanine Level)

Symposium 6.1

UNDERSTANDING PSYCHOPHYSIOLOGY IN DEVELOPMENTAL CONTEXT: IMPLICATIONS FOR DEVELOPMENT OF INTERNALIZING AND EXTERNALIZING SYMPTOMS

Chair: Kristin A. Buss

The Pennsylvania State University

Discussant: Kristin A. Buss

The Pennsylvania State University

RSA STABILITY, EMOTION REGULATION, AND ANXIETY IN EARLY CHILDREN

Elizabeth L. Davis & Kristin A. Buss

The Pennsylvania State University

THE PREFRONTAL CORTEX IS A MOVING TARGET IN EARLY CHILDHOOD: IMPLICATIONS OF ONGOING NEURAL MATURATION FOR ERP RESEARCH IN LONGITUDINAL STUDIES

Michelle K. Jetha¹, Lisa M. Gatzke-Kopp², & Sidney J. Segalowitz¹

¹*Brock University*, ²*The Pennsylvania State University*

INDIVIDUAL DIFFERENCES IN EMOTION REGULATION AND ANXIETY IN SCHOOL-AGED CHILDREN: CONTINUITY, CHANGE, AND NEUROPHYSIOLOGICAL MARKERS

Tracy A. Dennis¹, Jennifer M. DeCicco², Laura J. O'Toole², & Samantha Berthod²

¹*Hunter College, CUNY*, ²*The Graduate Center, CUNY*

PARASYMPATHETIC REGULATION AND ADJUSTMENT IN EARLY CHILDHOOD: THE INCREASING IMPORTANCE OF AFFECTIVE CONTEXT

Paul D. Hastings

University of California, Davis

1:30 P.M.—3:00 P.M.

Blue Room (Lobby Level)

Symposium 6.2

RECOVERY, REVISION, REINTERPRETATION, RESOLUTION? LATE FRONTAL ERP EFFECTS IN SENTENCE COMPREHENSION

Chair: Edward W. Wlotko

University of Illinois

LEXICAL VERSUS CONCEPTUAL ANTICIPATION DURING SENTENCE PROCESSING: FRONTAL POSITIVITY AND N400 ERP COMPONENTS

Cyma Van Petten¹, Barbara J. Luka², & Dianne E.
Thornhill¹

¹*Binghamton University, SUNY*, ²*Bard College*

A FRONTAL ERP POSITIVITY TO INTERPRETABLE SENTENTIAL EXPECTANCY VIOLATIONS

Katherine A. DeLong & Marta Kutas

University of California, San Diego

DISTINCT LATE FRONTAL ERP EFFECTS OF PREDICTABILITY AND SEMANTIC NOVELTY

Tristan Davenport & Seana Coulson

University of California, San Diego

THE POLARITY OF PROSE: PREDICTIVE AND REINTERPRETIVE STRATEGIES IN SENTENCE COMPREHENSION ARE REFLECTED IN POSITIVE- AND NEGATIVE-GOING LATE FRONTAL ERP EFFECTS

Edward W. Wlotko

University of Illinois

MIND THE UNSELECTED MEANING: INFLUENCES OF SEMANTIC CONTEXT ON N400, SUSTAINED FRONTAL NEGATIVITY AND READING TIMES DURING AMBIGUITY RESOLUTION

Chia-lin Lee¹, Mallory Stites², & Kara D. Federmeier²

¹*Moss Rehabilitation Research Institute*, ²*University of
Illinois*

1:30 P.M.—3:00 P.M.

Orpheum Room (Second Level)

Symposium 6.3

EXPERIMENTAL VALIDATION OF PSYCHOPHYSIOLOGICAL BIOMARKERS IN SCHIZOPHRENIA

Chair: Brian F. O'Donnell

Indiana University

INTERSPECIES COMPARISONS OF DEXAMPHETAMINE AND CANNABINOID EFFECTS ON PREPULSE INHIBITION OF THE STARTLE REFLEX IN HUMANS AND RODENTS: RELATIONSHIP TO SCHIZOPHRENIA

Mathew Martin-Iverson, Kyran Graham, Amal
Osman, Kristina Durrance, Sarah Heschem, Joseph
Lee, Rajan Iyyalol, & Matthew Albrecht

University of Western Australia

INVESTIGATING THE AMPHETAMINE MODEL OF PSYCHOSIS WITH ELECTROPHYSIOLOGICAL ENDOPHENOTYPES

Matthew Albrecht, Kate Chitty, Kyran Graham, Flavie
Waters, Greg Price, Joseph Lee, Rajan Iyyalol, &
Mathew Martin-Iverson

University of Western Australia

DOES THE NMDA-RECEPTOR ANTAGONIST, KETAMINE, REPRODUCE THE PATTERN OF EEG AND ERP ABNORMALITIES OBSERVED IN SCHIZOPHRENIA? A TEST OF THE NMDA- RECEPTOR HYPOFUNCTION MODEL

Daniel H. Mathalon¹, Brian J. Roach¹, Judith Jaeger²,
Handan Gunduz-Bruce³, John H. Krystal³, & Judith
M. Ford¹

¹*University of California, San Francisco*, ²*AstraZeneca*,

³*Yale University*

**AUDITORY STEADY STATE RESPONSE
ABNORMALITIES IN SCHIZOPHRENIA AND A
NMDA ANTAGONIST RODENT MODEL**

Brian F. O'Donnell¹, William P. Hetrick¹, Amanda R. Bolbecker¹, Olga Rass¹, James Millward², Jenifer Vohs², R. Andrew Chambers², & Sandra L. Morzorati²
¹Indiana University, ²Indiana University School of Medicine

**CEREBELLAR-DEPENDENT EYEBLINK
CONDITIONING: A TRANSLATIONAL
BIOMARKER FOR CEREBELLAR
DYSFUNCTION IN SCHIZOPHRENIA**

Amanda R. Bolbecker¹, William P. Hetrick¹, Brian F. O'Donnell¹, Jason Johanneson², Anantha Shekhar³, Charles Goodlett⁴, & Alan Breier³
¹Indiana University, ²Yale School of Medicine, ³Indiana University School of Medicine, ⁴Indiana University and Purdue University

3:00 P.M.—3:30 P.M.

Roosevelt Ballroom (Mezzanine Level)

Refreshment Break

3:30 P.M.—5:00 P.M.

Crescent City Ballroom (Mezzanine Level)

Symposium 7.1

**NEUROBEHAVIORAL TRAIT CONSTRUCTS:
BRIDGING THE STUDY OF INDIVIDUAL
DIFFERENCES AND PSYCHOPHYSIOLOGY**

Chairs: Noah C. Venables & Laura E. Drislane
Florida State University
Discussant: Bruce Cuthbert
National Institute of Mental Health

**FEAR AND SADNESS DIFFERENTIALLY
RELATE TO ERROR-RELATED BRAIN
ACTIVITY IN PRESCHOOLERS**

Jason S. Moser & Catherine E. Durbin
Michigan State University

**THE ERROR-RELATED NEGATIVITY AS A
NEUROPHYSIOLOGICAL INDEX OF TRAIT
DEFENSIVE REACTIVITY: RELATIONSHIPS
WITH DEPRESSION AND ANXIETY**

Anna Weinberg, Daniel N. Klein, Roman Kotov, &
Greg Hajcak
Stony Brook University

**COGNITION-EMOTION INTERACTIONS IN
PSYCHOPATHY AND ANTISOCIAL TRAITS:
DISTINCT NEUROBIOLOGICAL PATHWAYS
TO CRIMINAL AND AGGRESSIVE BEHAVIOR**

Edelyn Verona, Naomi Sadeh, & Jenessa Sprague
University of Illinois at Urbana-Champaign

**TRAIT DISINHIBITION LINKS
EXTERNALIZING DISORDERS AND VARIANTS
OF P3 RESPONSE FROM DIFFERING TASK
PROCEDURES**

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

3:30 P.M.—5:00 P.M.

Blue Room (Lobby Level)

Symposium 7.2

**THE (DYS)REGULATION OF APPROACH
MOTIVATION: PERSPECTIVES FROM
AFFECTIVE, CLINICAL, AND
SOCIAL NEUROSCIENCE**

Chairs: Philip A. Gable¹ & Dan Foti²
¹*The University of Alabama*, ²*Stony Brook University*

**MOTIVATED ANGER: RELATIONSHIP
BETWEEN TRAIT AND STATE APPROACH
MOTIVATION AND ANGER**

Philip A. Gable
The University of Alabama

**MULTIPLE NEURAL INDICATORS OF
DYSREGULATED APPROACH MOTIVATION
IN MAJOR DEPRESSION**

Dan Foti & Greg Hajcak
Stony Brook University

**APPROACH-RELATED BRAIN ACTIVATION
DISTINGUISHES UNIPOLAR DEPRESSION
AND BIPOLAR DISORDER**

Robin Nusslock
Northwestern University

**DETERMINANTS OF P3 ATTENTIONAL BIAS
TO SMOKING-RELATED STIMULI IN
SMOKERS AND NON-SMOKERS: THE ROLE
OF CRAVING AND IMAGE CONTENT**

Cheryl L. Dickter & Catherine A. Forestell
College of William & Mary

**MOTIVATED ATTENTION TO ALCOHOL
CUES IN LOW-SENSITIVITY DRINKERS**

Bruce D. Bartholow & Kimberly A. Fleming
University of Missouri

3:30 P.M.—5:00 P.M.

Orpheum Room (Second Level)

Symposium 7.3

**THE PSYCHOPHYSIOLOGY OF SOCIAL
PERCEPTION**

Chair: David M. Amodio
New York University

**STEREOTYPES FACILITATE THE VISUAL
PROCESSING OF BLACK FACES: EVIDENCE
FROM THE N170**

Amy R. Krosch & David M. Amodio
New York University

N170 AND THE CROSS RACE EFFECT

Keith B. Senholzi & Tiffany A. Ito
University of Colorado

**WHAT IS THE ROLE OF MIMICRY IN
DETECTING POSED AND GENUINE SMILES?**

Eric J. Vanman¹, Mari Horiguchi¹, Michael Philipp¹,
& Lucy Johnston²
¹*University of Queensland*, ²*University of Canterbury*

PERSON ATTRIBUTIONS UNDER STRESS

Jennifer Kubota¹, Rachel Mojdehbakhsh¹, Candace
Raio¹, Tobias Brosch², Jim Uleman¹, & Elizabeth
Phelps¹
¹*New York University*, ²*University of Geneva*

5:00 P.M.—5:30 P.M.

Break

5:30 P.M.—6:30 P.M.

Crescent City Ballroom (Mezzanine Level)

Invited Address

**DEVELOPMENT OF FEAR-RELATED
PROCESSES: FROM HUMAN IMAGING TO
MOUSE GENETICS**

B.J. Casey, PhD

*Sackler Professor and Director of the Sackler Institute at
Weill Medical College of Cornell University
New York, New York*

6:30 P.M.—8:30 P.M.

Roosevelt Ballroom (Mezzanine Level)

Poster Session III

Exhibits Open

8:30 P.M.—10:00 P.M.

Chamber I (Mayor's Suite Level)

Student Poster Award Committee Meeting

8:15 P.M.—9:15 P.M.

Producers Room (Second Level)

Committee to Promote Student Interests

10:00 P.M.—12:00 A.M.

Student Social

(location to be announced)

All students are invited!

Saturday, September 22

8:00 A.M.—4:30 P.M.

Roosevelt Ballroom (Mezzanine Level)

Internet Station

8:30 A.M.—12:30 P.M.

Roosevelt Foyer (Mezzanine Level)

Registration Open

9:00 A.M.—9:30 A.M.

Roosevelt Ballroom (Mezzanine Level)

Refreshment Break

9:30 A.M.—11:00 A.M.

Crescent City Ballroom (Mezzanine Level)

Symposium 8.1

NARRATIVE IMAGERY AND EMOTION: BASIC AND TRANSLATIONAL RESEARCH

Chair: Lisa M. McTeague

University of Florida

Discussant: Bruce N. Cuthbert

National Institute of Mental Health

FROM NARRATIVE TEXT TO EMOTIONAL IMAGERY: THE NETWORK MODEL

Peter J. Lang

University of Florida

FUNCTIONAL NEUROANATOMY OF NARRATIVE EMOTIONAL IMAGERY

Vincent D. Costa, Lisa M. McTeague, Jue Mo,
Margaret M. Bradley, Mingzhou Ding, & Peter J.
Lang

University of Florida

THE ANXIETY SPECTRUM AND AFFECTIVE MOBILIZATION: OPPOSING INFLUENCES OF FEAR AND MISERY

Lisa M. McTeague, Peter J. Lang, Marie-Claude
Laplante, & Margaret M. Bradley

University of Florida

EMOTIONAL IMAGERY IN PATIENTS WITH ANXIETY DISORDERS: A NEW PARADIGM TO ASSESS THERAPEUTIC RESPONSES

Alfons Hamm, Anke Limberg, & Jan Richter
University of Greifswald

9:30 A.M.—11:00 A.M.

Blue Room (Lobby Level)

Symposium 8.2

MINDFULNESS-BASED INTERVENTIONS HAVE NEUROBIOLOGICAL AND PSYCHOPHYSIOLOGICAL EFFECTS

Chairs: M. Kathleen B. Lustyk¹ & Haley A.C. Douglas²

¹*Seattle Pacific University and University of Washington,*

²*University of Washington*

Discussant: Theodore P. Beauchaine
Washington State University

NEUROBIOLOGICAL MECHANISMS OF A MINDFULNESS-BASED INTEGRATIVE BODY-MIND TRAINING INTERVENTION ON DEPRESSION

Yi-Yuan Tang
Texas Tech University

MINDFUL ATTENTION REDUCES NEURAL AND SELF-REPORTED CUE-INDUCED CRAVING IN SMOKERS

Cecilia Westbrook¹, J. David Creswell², Golnaz Tabibnia², Erica Julson², Hedy Kober³, & Hilary Tindle⁴

¹*University of Wisconsin, Madison,* ²*Carnegie Mellon University,* ³*Yale University,* ⁴*University of Pittsburgh*

TONIC AND PHASIC CARDIAC VAGAL CONTROL DURING A COGNITIVE CHALLENGE IN SUBSTANCE ABUSERS TREATED WITH MINDFULNESS-BASED RELAPSE PREVENTION

M. Kathleen B. Lustyk¹, Haley A.C. Douglas², & Elizabeth Shilling³

¹*Seattle Pacific University & University of Washington,*

²*University of Washington,* ³*Seattle Pacific University*

**INTENSIVE MEDITATION TRAINING
INCREASES THE MOTIVATIONAL SALIENCE
OF HUMAN SUFFERING**

Brandon G. King¹, Anthony P. Zanesco¹, Phillip R. Shaver¹, Erika L. Rosenberg¹, Tonya L. Jacobs¹, Stephen R. Aichele¹, Katherine A. MacLean², David A. Bridwell³, Baljinder K. Sahdra⁴, & Clifford D. Saron¹
¹*University of California, Davis*, ²*Johns Hopkins University*, ³*Mind Research Network, New Mexico*,
⁴*University of Western Sydney*

9:30 A.M.—11:00 A.M.

Orpheum Room (Second Level)

Symposium 8.3

PREDICTIVE PROCESSING IN AUDITION

Chairs: Judith M. Ford¹ & Juanita Todd²
¹*University of California, San Francisco*, ²*University of Newcastle*

TASK-DRIVEN ENTRAINMENT OF LOW-FREQUENCY BRAIN OSCILLATIONS IN A SENSORY-MOTOR NETWORK: A NEURONAL MECHANISM FOR THE SEQUENTIAL ORGANIZATION OF SOUNDS

Jordi C. Faidella¹, Elyse S. Sussman², Sabine Grimm¹, & Carles Escera¹
¹*University of Barcelona*, ²*Albert Einstein College of Medicine*

COROLLARY-DISCHARGE AND MISMATCH NEGATIVITY STUDIES REVEAL THE PREDICTIVE NATURE OF AUDITORY PROCESSING

Erich Schröger
University of Leipzig

ANTICIPATING THE FUTURE: AUTOMATIC PREDICTION FAILURES IN SCHIZOPHRENIA

Judith M. Ford, Brian J. Roach, & Daniel H. Mathalon
University of California, San Francisco

**AUTOMATIC LEARNING BIASES:
ASYMMETRICAL SAMPLING OF EVENT-
PROBABILITY IN THE UNATTENDED
AUDITORY ENVIRONMENT**

Juanita Todd, Alexander Provost, Lisa Whitson, Gavin
Cooper, & Andrew Heathcote
The University of Newcastle

11:00 A.M.—11:30 A.M.

Crescent City Ballroom (Mezzanine Level)

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

**“WINNING!”: BASIC AND TRANSLATIONAL
RESEARCH ON REWARD-RELATED
BRAIN ACTIVITY**

Greg Hajcak, PhD
Stony Brook University

11:30 A.M.—12:30 P.M.

Crescent City Ballroom (Mezzanine Level)

Presidential Address

**PSYCHONEUROMETRICS: A PARADIGM FOR
GROUNDING PSYCHOLOGICAL ASSESSMENT
IN NEUROPHYSIOLOGY**

Christopher Patrick, PhD
Florida State University

12:30 P.M.—12:45 P.M.

Break

12:45 P.M.—2:30 P.M.

Waldorf Astoria Ballroom (Mezzanine Level)

Business Meeting and Luncheon

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

2:30 P.M.—4:30 P.M.

Roosevelt Ballroom (Mezzanine Level)

Poster Session IV

9:00 P.M.—12:00 midnight

Crescent City Ballroom (Mezzanine Level)

Saturday Night Social

All attendees and guests are welcome!

Sunday, September 23

8:00 A.M.—10:00 A.M.

*Waldorf Astoria Ballroom (Mezzanine Level)****Farewell Breakfast***

9:00 A.M.—12:30 P.M.

*Pontalba Room (Mezzanine Level)****SPR Board of Directors Meeting***

Poster Session I
Wednesday, September 19

Poster Session Schedule

4:00 P.M.—6:00 P.M.	Posters Assembled
6:00 P.M.—7:00 P.M.	Posters Available for Viewing
7:00 P.M.—9:00 P.M.	Authors Present for Discussion and Questions
9:00 P.M.—10:00 P.M.	Dismantle Posters

1. THE ASSOCIATION BETWEEN REACTION TIME AND DURATION OF BUTTON PRESSING IN CONDITIONS OF SENSORIMOTOR INTEGRATION

Ekaterina Kirpach
Southern Federal University

2. EMOTION SYSTEM COHERENCE FLEXIBILITY IN SOCIAL CONTEXT

Cristina Gatti & Mark Geisler
San Francisco State University

3. IMPAIRED CARDIOVASCULAR FUNCTIONING IN OBESE PARTICIPANTS

Ashley E. Burch & Michael T. Allen
University of Mississippi

4. THE MODIFICATION OF NON-DEFENSIVE REFLEX RESPONSE DURING AFFECTIVE PICTURE VIEWING

Suvi Karla, Carita Ekman, Christa Ekman, Sini Hjelm, Krista Lehtomaki, Riitu Puumalainen, Julia Jokelainen, Ina Tarkka, & Jan Wikgren
University of Jyväskylä

5. SOCIAL AND NONSOCIAL SOUNDS AS DETERMINANTS OF P300

Katherine K.M. Stavropoulos¹, Leslie J. Carver¹, & John Polich²
¹*University of California, San Diego*, ²*Scripps Research Institute*

6. MOOD INDUCTION AND AFFECTIVE MODULATION OF STARTLE

Malek Mneimne & Alice S. Powers
St. John's University

7. PHYSIOLOGICAL REACTIVITY AND SELF-REPORTED DISSOCIATION AS RELATED TO THERAPEUTIC WORKING ALLIANCE IN A SAMPLE OF SURVIVORS OF INTERPERSONAL VIOLENCE

Catherine A. McGreevy & Andrea Fortunato Roth
The New School for Social Research

8. CEREBRAL BLOOD FLOW VARIABILITY IN CHRONIC PAIN PATIENTS AND HEALTHY INDIVIDUALS

Casandra Montoro¹, Cristina Muñoz¹, María Josefa Fernández¹, Stefan Duschek², & Gustavo A. Reyes del Paso¹

¹University of Jaén, ²University of Munich

9. THE IMPACT OF A SINGLE DOSE OF ESCITALOPRAM ON HEART RATE VARIABILITY: A POTENTIAL MECHANISM FOR UNDERSTANDING AGE-RELATED, EARLY TREATMENT RESPONSES IN SUICIDALITY

Tim Outhred, Sasha Saunders, Gin Malhi, & Andrew H. Kemp
University of Sydney

10. TWO MODES OF NOVELTY PROCESSING: CONTEXT-INDUCED EXPLORATION AND EXPLOITATION

Judith Schomaker, Rinske Roos, & Martijn Meeter
VU University

11. A PSYCHOPHYSIOLOGICAL EXPLANATION OF DIMINISHED PERFORMANCE UNDER MENTAL FATIGUE

Jesper F. Hopstaken¹, Dimitri Van der Linden¹, Arnold B. Bakker¹, & Michiel A.J. Kompier²

¹Erasmus University Rotterdam, ²Radboud University Nijmegen

12. EMOTIONAL FACES AND VISUOSPATIAL WORKING MEMORY: DOES THE NATURE OF STIMULI REALLY MATTER?

Adriana-Liset López-Franco¹, Andrés-Antonio González-Garrido², Fabiola-Reveca Gómez-Velázquez¹, & Julieta Ramos-Loyo¹

¹Universidad de Guadalajara, ²Universidad de Guadalajara and O.P.D. Hospital Civil de Guadalajara

- 13. SENSATION SEEKING AND A REAL WORLD STRESSOR: ENDOCRINE AND AUTONOMIC EFFECTS**
Amber L. Allison¹, Jeremy C. Peres¹, Christian Boettger¹, Uwe Leonbacher¹, Paul D. Hastings², & Elizabeth A. Shirtcliff¹
¹University of New Orleans, ²University of California, Davis
- 14. GAZE BEHAVIOR AND SKIN CONDUCTANCE ACTIVITY IN REACTION TO EYES IN ADOLESCENTS WITH AUTISM SPECTRUM DISORDERS**
Anneke Louwerse, Jos N. van der Geest, Joke H. Tulen, Frank C. Verhulst, & Kirstin Greaves-Lord
Erasmus Medical Center
- 15. PARALLELISMS IN GRAMMATICAL STRUCTURE MODULATE LPP AND N400 IN AN AFFECTIVE PRIMING PARADIGM WITH EMOTIONAL FACES AND WORDS**
Beate Czerwon¹, Ylva Koehncke¹, Annette Hohlfeld², Heike Wiese², & Katja Werheid¹
¹Humboldt-Universität zu Berlin, ²Universität Potsdam
- 16. AUTOMATIC LEARNING BIASES: ASYMMETRICAL SAMPLING OF EVENT-PROBABILITY IN THE UNATTENDED AUDITORY ENVIRONMENT**
Alexander Provost, Andrew Heathcote, Lisa Whitson, Gavin Cooper, & Juanita Todd
The University of Newcastle
- 17. THE ROLE OF PARASYMPATHETIC ACTIVITY IN CROSS-RACE EMPATHIC ACCURACY**
Bonnie M. Le & Elizabeth Page-Gould
University of Toronto
- 18. THE EFFECT OF AUTISM SPECTRUM PERSONALITY ON THE VISUAL MISMATCH NEGATIVITY**
Leigh C. Gayle & Paul D. Kieffaber
College of William & Mary

- 19. THE COMBINED USE OF EVENT-RELATED POTENTIALS AND ELECTROMYOGRAPHY REVEALED BOTH NON-RESPONSE AND RESPONSE CONFLICTS IN A STROOP MATCHING TASK**
Ariane L. Caldas, Walter Machado-Pinheiro, Luisa B. Souza, Gabriel C. Motta-Ribeiro, & Isabel A. David
Fluminense Federal University
- 20. EVOKED POTENTIAL CORRELATES OF LINGUISTIC CROSS-SITUATIONAL ASSOCIATIONS IN THE ABSENCE OF BEHAVIORAL LEARNING**
Pamela Lopes da Cunha, Laura Kaczer, Enrique Segura, Silvano Zanutto, & Alejandro Wainseboim
IBYME-CONICET
- 21. THE IMPACT OF GAIN VS. LOSS ANTICIPATION ON ERROR PROCESSING AND BEHAVIORAL ADJUSTMENTS DURING FEEDBACK-BASED LEARNING**
Kerstin Unger & Jutta Kray
Saarland University
- 22. INCIDENCE OF ELECTRODE BRIDGES IN PUBLICLY AVAILABLE EEG DATA: AN EXPLORATORY SURVEY**
Daniel M. Alschuler, Craig E. Tenke, Gerard E. Bruder, & Jürgen Kayser
New York State Psychiatric Institute
- 23. RELATIONSHIP BETWEEN BASELINE AROUSAL AND EMPATHY IN ADULTS WITH ASPERGER'S**
Danielle Mathersul, Jacqueline A. Rushby, & Skye McDonald
University of New South Wales
- 24. INVESTIGATING A NOVEL METHOD FOR MENTAL ENHANCEMENT IN ELITE GYMNASTS USING ALPHA ACTIVITY TRAINING**
Marian K.J. Dekker¹, Margriet M. Sitskoorn¹, Ad J.M. Denissen², Berber van den Berg³, & Geert J.M. van Boxtel¹
¹Tilburg University, ²Philips Research, ³Maastricht University

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- 25. SPECTRAL EFFECTS OF RELEVANT VERSUS IRRELEVANT INFORMATION IN V1**
Léon G. Faber, Natasha M. Maurits, & Monicque M. Lorist
University of Groningen
- 26. INSENSITIVITY TO REWARD AND PUNISHMENT IN DEPRESSION: EVIDENCE FROM CARDIOVASCULAR RESPONSE**
Jessica Franzen & Kerstin Brinkmann
University of Geneva
- 27. DOES FEELING HAPPY MAKE US LESS SHARP? EVIDENCE FROM VISUAL ERPS**
Naomi Vanlessen, Valentina Rossi, Rudi De Raedt, & Gilles Pourtois
Ghent University
- 28. TRAIT POSITIVE AFFECT BUFFERS NEGATIVE IMPACT OF AVOIDANT COPING DURING ANTICIPATORY STRESS**
Jurate Aleknaviciute¹, Joke Tulen¹, Kees Kooiman², & Steven Kushner¹
¹*Erasmus Medical Center Rotterdam, ²Riagg Rijnmond*
- 29. EVIDENCE FOR THE AUTOMATIC NEGATIVE EVALUATION OF SELF-GENERATED ERRORS AT THE LEVEL OF THE ERROR-RELATED NEGATIVITY**
Kristien Aarts, Jan De Houwer, & Gilles Pourtois
Ghent University
- 30. RESPONSE PREPARATION AND EVALUATION UNDER INCREASED DEPRESSIVE SYMPTOMS: AN ERP STUDY**
Blair Saunders & Ines Jentsch
University of St Andrews
- 31. AUTOMATIC AND CONTROLLED PROCESSING OF CATEGORICAL PERCEPTION OF LEXICAL TONES IN NON-NATIVE SPEAKERS: AN EVENT-RELATED POTENTIAL STUDY**
Jie Xi¹, Linjun Zhang², & Hua Shu³
¹*Laboratory for Higher Brain Function, Chinese Academy of Sciences, ²Beijing Language and Culture University, ³State Key Laboratory of Cognitive Neuroscience and Learning, Beijing Normal University*

- 32. EXTREME LIBERALISM AND REACTIVITY TO AROUSING STIMULI: A NEUROPHYSIOLOGICAL INVESTIGATION**
Shona M. Tritt, Jordan B. Peterson, & Michael Inzlicht
University of Toronto
- 33. NEURAL MEASURES INDICATE THAT THREAT'S PRIVILEGED ACCESS TO WORKING MEMORY REFLECTS REDUCED ATTENTIONAL FILTERING**
Daniel M. Stout¹, Alexander J. Shackman², Melanie M. Wamboldt¹, & Christine L. Larson¹
¹*University of Wisconsin, Milwaukee*, ²*University of Wisconsin, Madison*
- 34. INDUCING ELEVATED PHYSICAL SYMPTOM REPORTING BY AFFECTIVE CUES: VALENCE AND AROUSAL EFFECTS**
Elena Constantinou, Katleen Bogaerts, Ilse Van Diest, & Omer Van den Bergh
University of Leuven
- 35. ACUTE RESTRICTION OF SLEEP DURATION AND TYPE D PERSONALITY: FATIGUE, HEMODYNAMIC, AND SALIVARY ALPHA-AMYLASE RESPONSE TO SOCIAL STRESS IN WOMEN**
Éanna D. O'Leary¹, Siobhán Howard², & Jack E. James³
¹*National University of Ireland, Galway*, ²*Mary Immaculate College, University of Limerick*, ³*Reykjavík University*
- 36. PERFORMANCE MONITORING IN THE THALAMUS (W/ CORTICAL INTERACTION)**
Theo O.J. Gruendler¹, Claudia Danielmeier², Jens Kuhn³, & Markus Ullsperger⁴
¹*Max Planck Institute for Neurological Research, Cologne*, ²*Radboud University Nijmegen*, ³*University Hospital Cologne*, ⁴*University of Magdeburg*
- 37. HOW MUCH DID I LOSE? ERP CORRELATES OF OUTCOME MAGNITUDE, BETTING BEHAVIOR, AND WINNING OR LOSING**
Kira Bailey¹, Stephen Anderson², & Robert West²
¹*University of Missouri*, ²*Iowa State University*

- 38. SUBSTANCE USE AND DEPRESSION
MODULATE PHYSIOLOGICAL MARKERS OF
MATERNAL DISTRESS TOLERANCE**
Dorothea Amador, Linda C. Mayes, & Helena J.V.
Rutherford
Yale Child Study Center
- 39. BORDERLINE PERSONALITY DIMENSIONS:
DIFFERENTIAL RELATIONS TO IMPULSIVITY
AND P3 AMPLITUDE**
Wade R. Goldstein, Rebecca J. Houston, & Jamie M.
Ostrov
University at Buffalo, SUNY
- 40. THE EFFECT OF ATTENTIONAL
DEPLOYMENT ON THE LATE POSITIVE
POTENTIAL IN RESPONSE TO
EMOTIONAL IMAGES**
Andrea E. Naftz & Michael A. Kisley
University of Colorado at Colorado Springs
- 41. THE LAST WORD: COMPARISON OF LATE
POSITIVE POTENTIAL (LPP) RESPONSES
BETWEEN DEATH-RELATED WORDS AND
OTHER EMOTIONALLY VALENCED WORDS**
John R. Bluntschli, Molly Maxfield, & Michael A.
Kisley
University of Colorado at Colorado Springs
- 42. EFFECT OF VERBAL REFRAMING ON EVENT
RELATED POTENTIAL ELICITED BY
EMOTIONAL IMAGES**
Jesse T. Regnier, Sabrina C. Gregersen, & Michael A.
Kisley
University of Colorado at Colorado Springs
- 43. VISUAL WORKING MEMORY FOR OTHER-
RACE FACES IS MODULATED BY
GAZE DIRECTION**
Mario Dalmaso & Paola Sessa
University of Padova
- 44. CNV, LRP, AND ERN/PE EFFECTS IN THE
DIFFERENTIATION-OF-DECEPTION
PARADIGM**
Kristina Suchotzki¹, Bruno Verschuere², Fren
Smulders³, Ewout Meijer³, & Geert Crombez¹
¹Ghent University, ²University of Amsterdam, ³Maastricht
University

- 45. THREAT-RELATED ATTENTIONAL BIAS AND INDIVIDUAL DIFFERENCES IN PSYCHOPHYSIOLOGICAL RESPONDING TO STRESS**
Niamh M. Higgins & Brian M. Hughes
National University of Ireland, Galway
- 46. PSYCHOMETRIC INFORMATION IN SINGLE TRIALS OF A SELF-EVALUATION TASK DEFINES AFFECTIVE DIMENSIONALITY IN BRAIN ELECTRICAL ACTIVITY**
Allison C. Waters & Don M. Tucker
University of Oregon and Electrical Geodesics, Inc.
- 47. NOVEL PEDIATRIC FEAR CONDITIONING PARADIGM: A PSYCHOPHYSIOLOGICAL STUDY**
Melanie Hong¹, Tomer Shechner², Jennifer C. Britton², Carolyn N. Spiro², Jamie A. Mash², Daniel S. Pine², & Nathan A. Fox¹
¹*University of Maryland, College Park*, ²*National Institute of Mental Health*
- 48. RELATION BETWEEN EXTINCTION WITHIN FEAR CONDITIONING AND IN VIVO CB1 NEUROTRANSMISSION IN HUMANS**
Mathias Schroyen¹, Karolien Goffin², Ilse Van Diest¹, Mathieu Vandembulcke², Guy Bormans¹, Debora Vansteenwegen¹, & Koen Van Laere²
¹*KU Leuven*, ²*University Hospital Leuven and KU Leuven*
- 49. STIMULUS RHYTHMICITY CAN OVERRIDE THE OMISSION MMN**
Ivy A. Thompson¹, Dominique I. Echols², Brea Walker², Joel Diament², Andrew Dudas², Rikeen Patel¹, Lauren Reed², Jennifer Richardson², Frank Andrasik², & Jeffrey J. Sable²
¹*Rhodes College*, ²*University of Memphis*
- 50. WHEN YOUR PARTNER MAKES YOU FEEL GOOD, IT HURTS LESS: EVIDENCE FROM PICTURE-INDUCED MODULATION OF PAIN**
Katrin Damm, Annina Klapper, & Christiane Hermann
Justus-Liebig University Giessen, Germany

51. THE AUTONOMIC CORRELATES OF BOREDOM

Christopher R. Seemann & Tanya Erazo
The New School for Social Research

52. N200 AND P300 CORRELATES OF RISKY PATTERNS OF ALCOHOL USE IN YOUNG ADULTS

John Sweeney, Hannah Louis, Stacey Patino, & Todd D. Watson
Lewis & Clark College

53. DIFFERENCES IN RESTING ALPHA ELECTROENCEPHALOGRAPHIC ASYMMETRY BETWEEN DEPRESSED AND NON-DEPRESSED YOUNG ADULT MEN

Jacob W. Vogel, Julie C. Sargent, Cynthia J. Gill, & Jane W. Couperus
Hampshire College

54. NEURAL RESPONSE AND PHYSIOLOGICAL ACTIVITY TO EMOTIONAL IMAGES ARE AFFECTED BY COGNITIVE REAPPRAISAL: AN ERP STUDY

Renlai Zhou
Beijing Normal University

55. THE RELATIONSHIPS OF PHYSIOLOGICAL AND SUBJECTIVE RESPONSES TO POSITIVE MOOD INDUCTION WITH ASPECTS OF COGNITIVE FUNCTIONING

Luz H. Ospina¹, Ekaterina Krasavina², Kathy Chu², Arianna Mangus², & Deborah J. Walder²
¹*The Graduate Center, CUNY*, ²*Brooklyn College, CUNY*

57. DIMENSIONS OF EMOTIONAL EXPERIENCE AND RESPIRATORY SINUS ARRHYTHMIA

Anita S. Hibbert & E. David Klonsky
University of British Columbia

- 58. IMPAIRED SENSORY GATING AND INCREASED VARIABILITY OF RESPONSE TIMES IN UNMEDICATED ADHD CHILDREN AND ADOLESCENTS COMPARED TO HEALTHY CONTROLS AND MEDICATED PATIENTS; TOPOGRAPHICAL NOGO-ANTERIORIZATION DEVELOPED IN BUT NOT DIFFERENTIATING BETWEEN ADHD AND CONTROLS**
Julia Geissler, Marcel Romanos, & Klaus-Peter Lesch
University of Würzburg
- 59. DETERMINANTS OF LEARNING AND DECISION MAKING HAVE TEMPOROSPATIALLY DISSOCIABLE CORRELATES IN HUMAN EEG**
Adrian G. Fischer & Markus Ullsperger
University of Magdeburg
- 60. RESTING-STATE ACTIVITY RELATES TO PERFORMANCE IN A VERBAL RECALL TASK**
Rocío A. López Zunini¹, Shanna Kousaie², Christine Sheppard¹, Jean-Philippe Thivierge³, & Vanessa Taler¹
¹*University of Ottawa and Elisabeth Bruyere Research Institute*, ²*Elisabeth Bruyere Research Institute*,
³*University of Ottawa*
- 61. TOASTED SCORPIONS AND CHOCOLATE CHEESECAKE: REFLEX MODULATION IS A MATTER OF TASTE**
Karen R. Hebert¹, Fernando Valle-Inclán², & Steven A. Hackley¹
¹*University of Missouri, Columbia*, ²*University of La Coruña*
- 62. COGNITIVE FUNCTION PREDICTS NEURAL PROCESSING OF TIME-DEPENDENT STIMULUS FEATURES AS MEASURED BY THE MISMATCH NEGATIVITY (MMN)**
Nathaniel T. Diede¹, Shannon M. Foster¹, Hasker P. Davis¹, Alana M. Campbell², Deana B. Davalos², & Michael A. Kisley¹
¹*University of Colorado at Colorado Springs*, ²*Colorado State University*
- 63. EXPECTATION OF EMOTIONAL STIMULI ENHANCES PERCEPTUAL DECISIONS**
Tamara J. Sussman, Akos Szekely, Christian Luhmann, Greg Hajcak, & Aprajita Mohanty
Stony Brook University

- 64. NEURAL CORRELATES OF THE USEFUL FIELD OF VIEW TEST**
Carol L. Peronto, Jennifer L. O'Brien, Jennifer J. Lister, & Jerri D. Edwards
University of South Florida
- 65. SELF-REPORTED FUNNINESS RATINGS AND FACIAL ELECTROMYOGRAPHY REVEAL UNIQUE AGE-RELATED RESPONSES TO AGGRESSIVE SOCIAL HUMOR**
Monika Lohani¹, Jennifer Tehan Stanley¹, & Derek Martin Isaacowitz²
¹*Brandeis University*, ²*Northeastern University*
- 66. RESPIRATORY SINUS ARRHYTHMIA IS ASSOCIATED WITH EMOTION REGULATION ABILITY AND SUBSEQUENT BEHAVIOR**
James E. Juergensen & Heath A. Demaree
Case Western Reserve University
- 67. A PSYCHOPHYSIOLOGICAL EXAMINATION OF SCHOOL-BASED AGGRESSION: AUTONOMIC AND FACIAL EMG PROFILES OF BULLIES, VICTIMS, AND BULLY-VICTIMS**
Chrysostomos Lazarou & Georgia Panayiotou
University of Cyprus
- 68. INVESTIGATING THE TIMING OF EMOTIONAL DISCRIMINATION ACROSS THE BRAIN**
David W. Frank & Dean Sabatinelli
University of Georgia
- 69. EXPERIMENTAL MANIPULATIONS OF THE PREDICTIVE VALUE FOR CIGARETTE REWARD HAVE DIFFERENT IMPACTS ON NEURAL RESPONSES TO BEGIN- AND END-SMOKING-STIMULI**
Bastian Stippekohl¹, Bertram Walter¹, Markus H. Winkler², Ron F. Mucha², Paul Pauli², Dieter Vaitl¹, & Rudolf Stark¹
¹*Justus-Liebig-University of Giessen*, ²*Julius-Maximilians-University of Würzburg*

- 70. EFFECTS OF VARIATIONS IN WORKING MEMORY SPAN AND CARDIOVASCULAR FITNESS ON THE PATTERN OF BOLD fMRI RESPONSES IN MIDDLE-AGED AND OLDER ADULTS**
Nils Schneider-Garces, Timothy B. Weng, Chin Hong Tan, Benjamin Zimmerman, Mark A. Fletcher, Kathy A. Low, Gabriele Gratton, & Monica Fabiani
University of Illinois
- 71. AN EVALUATIVE PRIMING PARADIGM FOR ASSESSING CONCEALED ATTITUDES**
Stephanie M. Reyes, Gabriela Terrazas, David R. Herring, Ana Rodriguez, Mayra Sandoval, Andrea Magana, Andrea Rios, Cynthia Cereceres, Diego Chavira, & Stephen L. Crites
University of Texas at El Paso
- 72. FRONTAL EEG ASYMMETRIES PREDICT PATTERNS OF AUTOMATIC EMOTION REGULATION**
Michael Tooley, Rosie Moody, & Gina M. Grimshaw
Victoria University of Wellington
- 73. SKIN CONDUCTANCE AND SUBJECTIVE DISTRESS DURING PROLONGED EXPOSURE THERAPY FOR PTSD**
Elizabeth R. Duval¹, C. Beau Nelson², Mandy Kumpula¹, E. Jenna Robison-Andrew¹, Aileen Echiverri-Cohen¹, Nicholas Giardino², Israel Liberzon², & Sheila Rauch²
¹VA Ann Arbor Healthcare System, ²VA Ann Arbor Healthcare System and University of Michigan
- 74. AUTOMATIC CORRELATES OF FEAR VERSUS ANXIETY**
Daisy A. Burr, Shaun Nanavati, & Marcel Kinsbourne
The New School for Social Research
- 75. NEURAL INDICES OF ATTENTIONAL CAPTURE BY SMOKING STIMULI**
Jason A. Oliver, Kate Janse Van Rensburg, Kade Jentink, David J. Drobles, & David E. Evans
Moffitt Cancer Center

- 76. A FRIEND IN NEED: PHYSIOLOGICAL EVIDENCE OF THE SAFE HAVEN FUNCTION OF CLOSE FRIENDS**
Alexander F. Danvers, Milica Miocevic, Claire I. Yee,
& Michelle N. Shiota
Arizona State University
- 77. VALIDITY OF THE CMETX METRICS IN AN AFRICAN AMERICAN COLLEGE SAMPLE**
Larry D. Keen II
South Carolina State University
- 78. ELECTRODERMAL AROUSAL TO PICTURES OF OTHERS IN DISTRESS IN INDIVIDUALS WITH SCHIZOTYPY**
Katie A. Ragsdale, Jonathan C. Mitchell, Lisa S. Kadison, Daniella S. Schlander, Christopher Spencer,
& Jeffrey S. Bedwell
University of Central Florida
- 79. HUNGRY, THIRSTY, ACCURATE? NEED-STATE CAN IMPROVE BEHAVIORAL ACCURACY AND AMPLITUDE OF THE ERROR-RELATED NEGATIVITY**
Erik M. Benau¹, Charles A. Perfetti², & Stephen T. Moelter¹
¹*University of the Sciences*, ²*University of Pittsburgh*
- 80. THE INFLUENCE OF TIME PRESSURE ON THE ALLOCATION OF ATTENTION**
Kyle A. Frankovich & Steven J. Luck
University of California, Davis
- 81. STRESSOR ASSOCIATED COUPLING OF HEART RATE CHANGES WITH TONIC AND PHASIC HRV IN POLYSUBSTANCE ABUSERS TREATED WITH MINDFULNESS-BASED RELAPSE PREVENTION, STANDARD RELAPSE PREVENTION, OR STANDARD AFTERCARE**
Haley A.C. Douglas¹, Elizabeth Shilling², & M. Kathleen B. Lustyk²
¹*University of Washington*, ²*Seattle Pacific University*

- 82. ADAPTIVE FACIAL MIMICRY TO SOCIAL EXCLUSION**
Michael C. Philipp¹, Michael Bernstein², Eric J. Vanman¹, & Lucy Johnston³
¹University of Queensland, ²Pennsylvania State University, Abington, ³University of Canterbury
- 83. COACTIVATION OF THE PARASYMPATHETIC AND SYMPATHETIC NERVOUS SYSTEM DURING TWO IMAGINATION TASKS**
Ben Allen, Derek Spangler, Anarkali Morrill, Katherine Magruder, & Bruce Friedman
Virginia Tech
- 84. TASK-IRRELEVANT EMOTION MODULATES STIMULUS PROCESSING IN AN EMOTIONAL WISCONSIN CARD SORTING TASK**
Lenka Selinger, Mareike Finke, & Carles Escera
University of Barcelona
- 85. ERP CORRELATES OF MATCHING UNFOLDING SENTENCES AGAINST EARLIER PREDICTIONS**
Jakub M. Szewczyk
Jagiellonian University
- 86. HEART RATE VARIABILITY IN UNEMPLOYED MEN AND WOMEN**
Vera Jandackova¹, Karel Paulik¹, & Andrew Steptoe²
¹University of Ostrava, ²University College London
- 87. THE PSYCHOPHYSIOLOGY OF MIXED EMOTIONS**
Sylvia D. Kreibig, Andrea C. Samson, & James J. Gross
Stanford University
- 88. THE IMPORTANCE OF INDIVIDUAL DIFFERENCES IN PAIN TOLERANCE ON INDIVIDUALS WITH BORDERLINE PERSONALITY DISORDER FEATURES IN A COLD PRESSOR TASK**
Ryan W. Carpenter, Phillip K. Wood, & Timothy J. Trull
University of Missouri

- 89. TMS EFFECTS ON CARDIAC AUTONOMIC CONTROL IN CHILDREN WITH AUTISM**
Marie K. Hensley, Ayman S. El-Baz, Guela E. Sokhadze, Lonnie Sears, Manuel F. Casanova, & Estate M. Sokhadze
University of Louisville
- 90. AMBIENT PRISM LENSES AFFECT AUTONOMIC REACTIVITY AND ATTENTION TO AUDIO-VISUAL STIMULI IN AUTISM**
Estate M. Sokhadze¹, Melvin Kaplan², Stephen M. Edelson³, Barbara Kotsamanidis², Marie K. Hensley¹, Guela E. Sokhadze¹, Brynn Dombroski¹, & Manuel F. Casanova¹
¹*University of Louisville*, ²*Center for Visual Management, New York*, ³*Autism Research Institute, San Diego*
- 91. REFLECTION IS ASSOCIATED WITH LOWER RESTING BLOOD PRESSURE IN COLLEGE-AGED MEN**
LaBarron K. Hill¹, DeWayne P. Williams¹, Anjni Patel¹, John J. Sollers III², & Julian F. Thayer¹
¹*The Ohio State University*, ²*The University of Auckland*
- 92. THE IMPACT OF STEREOTYPE THREAT ON HEART RATE VARIABILITY RECOVERY**
DeWayne P. Williams, Lassiter F. Speller, LaBarron K. Hill, Sean A. Plaskett, & Julian F. Thayer
The Ohio State University
- 93. NEURAL SYSTEMS OF ANTERIOR INSULAR CORTEX INVOLVED IN ANTICIPATION OF UNILATERAL STIMULUS PRESENTATION**
Yasunori Kotani¹, Yoshimi Ohgami¹, Jun-ichiro Arai², Shigeru Kiryu³, & Yusuke Inoue⁴
¹*Tokyo Institute of Technology*, ²*Daikin Industries*, ³*The University of Tokyo*, ⁴*Kitasato University*
- 94. ANTICIPATORY ATTENTION PRIOR TO FACE, WORD, AND SYMBOLIC STIMULI: AN fMRI STUDY**
Yoshimi Ohgami¹, Yasunori Kotani¹, Jun-Ichiro Arai², Shigeru Kiryu³, & Yusuke Inoue⁴
¹*Tokyo Institute of Technology*, ²*Daikin Industries*, ³*The University of Tokyo*, ⁴*Kotasato University*

- 95. ELECTRODE WEAR AS A SOURCE OF MEASUREMENT ERROR IN THE ASSESSMENT OF AMBULATORY ELECTRODERMAL ACTIVITY**
Rachel L. Tomko, Ryan Carpenter, & Timothy J. Trull
University of Missouri
- 96. F#@K! PROCESSING EMOTION AND TABOO IN A NATIVE VS. A SECOND LANGUAGE: AN ERP STUDY**
Allison R. Fogel¹, Katherine J. Midgley², Nate Delaney-Busch¹, & Phillip J. Holcomb¹
¹Tufts University, ²Tufts University and CNRS: Laboratory of Cognitive Psychology, France
- 97. EVENT-RELATED POTENTIAL EFFECTS IN MASKED SANDWICH PRIMING AT SHORT SOA**
He Pu¹, Isabella Slaby¹, Katherine Midgley², Phillip Holcomb¹, & Jonathan Grainger³
¹Tufts University, ²Tufts University, CNRS and Aix-Marseille University, ³CNRS and Aix-Marseille University
- 98. A PSYCHOPHYSIOLOGICAL INVESTIGATION INTO THE EFFECTS OF PAIN OFFSET**
Joseph C. Franklin, Kent M. Lee, Eleanor K. Hanna, & Mitchell J. Prinstein
University of North Carolina at Chapel Hill
- 99. PAIN OFFSET RELIEF CONDITIONING REDUCES NEGATIVE AFFECT TOWARD SELF-INJURY STIMULI: A STARTLE EYEBLINK INVESTIGATION**
Megan E. Puzia, Kent M. Lee, Grace Chung, Eleanor K. Hanna, Victoria L. Spring, & Joseph C. Franklin
University of North Carolina at Chapel Hill
- 100. LOW CORRELATIONS AMONG FOUR DIFFERENT MEASURES OF AFFECT**
Joseph C. Franklin, Megan E. Puzia, Kent M. Lee, Grace Chung, Eleanor K. Hanna, & Victoria L. Spring
University of North Carolina at Chapel Hill
- 101. RESPIRATORY VARIABILITY DURING EMOTIONAL PICTURE VIEWING**
Elke Vlemincx, Ilse Van Diest, & Omer Van den Bergh
University of Leuven

- 102. MOTOR AND NON-MOTOR CONFLICT AND INHIBITION IN A CUED-GO/NOGO TASK**
Janette L. Smith¹ & William M. Randall²
¹University of New South Wales, ²Monash University
- 103. MISMATCH NEGATIVITY (MMN) AND SENSORY AUDITORY PROCESSING IN CHILDREN AGED 9-12 YEARS PRESENTING WITH PUTATIVE ANTECEDENTS OF SCHIZOPHRENIA**
Jason M. Bruggemann¹, Helen V. Stockill², Glenn L. Mould², Sheilagh Hodgins², Rhoshel K. Lenroot¹, Eric A. Taylor², Robin M. Murray², & Kristin R. Laurens³
¹University of New South Wales & Neuroscience Research Australia, ²King's College London, ³University of New South Wales & King's College London & Schizophrenia Research Institute
- 104. IS ERROR COMMISSION CRUCIAL FOR LEARNING? AN EXAMINATION OF THE ERPS ELICITED DURING ERRORLESS LEARNING**
Summer N. Clay, Yael Arbel, & Emanuel Donchin
University of South Florida
- 105. PUPIL DILATION RESPONSE AND P300 IN AN ODDBALL PARADIGM WITH THREE STIMULUS TYPES**
Siri-Maria Kamp & Emanuel Donchin
University of South Florida
- 106. EVALUATIVE FEEDBACK VS. INFORMATIVE FEEDBACK: WHAT DIFFERENCE DOES IT MAKE?**
Anthony Murphy, Yael Arbel, & Emanuel Donchin
University of South Florida
- 107. EFFECTS OF ISI VARIABILITY AND RESPONSE TYPE ON P300 LATENCY JITTER IN AN ODDBALL TASK**
Glen R. Forester, Siri-Maria Kamp, & Emanuel Donchin
University of South Florida
- 108. THE EFFECT OF HOMOPHOBIA ON EVENT-RELATED POTENTIALS ELICITED BY EROTIC IMAGES**
Krista G. Yakub & Geoffrey F. Potts
University of South Florida

- 109. HOW BAD COULD IT BE? ALCOHOL'S EFFECT ON STARTLE TO UNCERTAIN INTENSITY THREAT VARIES BY DOSE AND BASELINE STARTLE**
Daniel E. Bradford, Benjamin L. Shapiro, & John J. Curtin
University of Wisconsin, Madison
- 110. DOSE-DEPENDENT EFFECTS OF ALCOHOL ON ATTENTION TO CERTAIN AND UNCERTAIN THREAT**
Mark J. Starr, Daniel E. Bradford, Courtney A. Motschman, Rachel Korhumel, & John J. Curtin
University of Wisconsin, Madison
- 111. CARDIAC RESPONSES TO STRESS DURING MENSTRUATION**
Derek P. Spangler, Ben Allen, Xiao Yang, & Bruce H. Friedman
Virginia Tech
- 112. DESYNCHRONY OF PHYSIOLOGICAL RESPONSES AND AFFECTIVE RATINGS IN ALEXITHYmia DURING IMAGERY**
Catherine E. Peasley-Miklus¹ & Scott R. Vrana²
¹*University of Vermont*, ²*Virginia Commonwealth University*
- 113. SKIN CONDUCTANCE INCREASE PREDICTS INSIGHT AND AFFECTIVE WORD USAGE DURING WRITTEN EMOTIONAL DISCLOSURE**
Therese K. Verkerke, Andrea Konig, Alison M. Eonta, & Scott R. Vrana
Virginia Commonwealth University
- 114. A ROLE FOR NEGATIVE EMOTIONALITY, BUT NOT REPRESSIVE COPING IN PTSD SYMPTOMS IN VETERANS OF OPERATION ENDURING FREEDOM AND OPERATION IRAQI FREEDOM**
Scott R. Vrana¹, Lisa M. McAndrew², Shaina L. Gulin¹, & Karen S. Quigley³
¹*Virginia Commonwealth University*, ²*Dept of Veterans Affairs NJ Healthcare System*, ³*Northeastern University*

- 115. THE EFFECT OF 7.5% CO₂ INHALATION ON AUTONOMIC AND RESPIRATORY MEASURES**
Scott R. Vrana, Roxann Roberson-Nay, Jacob A. York,
& Therese K. Verkerke
Virginia Commonwealth University
- 116. INFLUENCES ON OCCIPITAL ERPS DURING LATE STAGES OF MOTOR PREPARATION IN A PRECUING TASK**
Romy Frömer & Werner Sommer
Humboldt-Universität zu Berlin
- 117. CLOSING THE EYES ELICITS A UNIVERSAL PARASYMPATHETIC REFLEX**
Shaun S. Nanavati
The New School for Social Research
- 118. INDIVIDUAL DIFFERENCE IN SELF-REGULATION VIA REAPPRAISAL AND DISTRACTION**
Reese Minshew & Wendy D'Andrea
The New School for Social Research
- 119. ATTENTION BIAS TO EMOTIONAL CUES, PHYSIOLOGICAL REACTIVITY, AND DISSOCIATION IN SURVIVORS OF CHRONIC AND ACUTE TRAUMA**
Jonathan M. DePierro, Steven Freed, Catherine McGreevy, Andrea Roth, & Wendy M. D'Andrea
The New School for Social Research
- 120. FAKE IT 'TIL YOU MAKE IT: EXAMINING INDIVIDUAL DIFFERENCES IN THE IMPACT OF FORCED SMILING AND LAUGHTER ON PHYSIOLOGY AND AFFECT**
Ashley Doukas, Jaime McManus, & Wendy D'Andrea
The New School for Social Research
- 121. DIFFERENTIATING SHAME FROM GUILT: PHYSIOLOGICAL AND PSYCHOLOGICAL CORRELATES**
Steven J. Freed¹, Wendy D'Andrea¹, Jonathan DePierro¹, & Nnambdi Pole²
¹*The New School for Social Research*, ²*Smith College*
- 122. SPEAKING FROM THE HEART: LEXICAL CORRELATES OF PHYSIOLOGY IN A TRAUMATIZED SAMPLE**
Ché Lucero & Wendy D'Andrea
The New School for Social Research

- 123. EFFECTS OF ARTIFICIAL SWEETENERS ON PAIN THRESHOLD AND TOLERANCE**
Mark Sappington, Bryan Raudenbush, & Kristin McCombs
Wheeling Jesuit University
- 124. INCREASED SALIVARY CORTISOL LEVELS IN INDIVIDUALS CHARACTERIZED AS FOOD NEOPHOBICS**
August Capiola, Bryan Raudenbush, & Amanda Schultz
Wheeling Jesuit University
- 125. EFFECTS OF CINNAMON SCENT ADMINISTRATION ON PHYSIOLOGY, RANGE OF MOTION, MOOD, ANXIETY, AND PERCEIVED WORKLOAD DURING A MULTI-SESSION PHYSICAL THERAPY PROGRAM**
Jessica Florian, Kristin Johnson, Sierra Moore, Bryan Raudenbush, & Allison Burke
Wheeling Jesuit University
- 126. EFFECTS OF JASMINE AND PEPPERMINT SCENT ADMINISTRATION ON PHYSIOLOGICAL AND PSYCHOLOGICAL STRESS REACTIONS IN ENCLOSED SPACES**
Bryan Raudenbush, August Capiola, & Jessica Florian
Wheeling Jesuit University
- 127. SALIVARY PH AND GENERAL HEALTH DIFFERENCES AMONG INDIVIDUALS WHO WERE VS. WERE NOT BREAST-FED AS AN INFANT**
Bryan Raudenbush, August Capiola, & Amanda Schultz
Wheeling Jesuit University
- 128. P50 SUPPRESSION AS A PREDICTOR OF TREATMENT RESPONSE TO COGNITIVE REMEDIATION TRAINING IN RECENT-ONSET SCHIZOPHRENIA**
Holly K. Hamilton, Peter E. Clayson, Terrance J. Williams, Keith H. Nuechterlein, Denise Gretchen-Doorly, Kenneth L. Subotnik, Joseph Ventura, & Cindy M. Yee
University of California, Los Angeles

**129. HEART RATE VARIABILITY DURING
PSYCHOSOCIAL STRESS IN FIRST-EPIISODE
SCHIZOPHRENIA**

Kelsi A. Umekubo, Holly K. Hamilton, Jane C. Sun,
Gretchen L. Sholty, Keith H. Nuechterlein, Kenneth
L. Subotnik, Joseph Ventura, & Cindy M. Yee
University of California, Los Angeles

**130. ABSENT TRIAL-BY-TRIAL MODULATION OF
EMOTIONAL PROCESSES IN
SCHIZOPHRENIA**

Peter E. Clayson, Peter Bachman, Keith H.
Nuechterlein, & Cindy M. Yee
University of California, Los Angeles

Poster Session II
Thursday, September 20

Poster Session Schedule

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

- 1. EATING WITH THE EYES:
ELECTROMAGNETIC BRAIN RESPONSES TO
VISUAL CUES OF HIGH-CALORIE FOOD**
Rotem Beit-Arie, Aron Weller, & Avi Goldstein
Bar-Ilan University
- 2. ELECTROMAGNETIC AND COGNITIVE
SIMILARITIES BETWEEN CHRONIC
CANNABIS USERS AND SCHIZOPHRENIA
PATIENTS**
Keren Yefet¹, Yechiel Levkovitz², & Avi Goldstein³
¹*Tel Aviv University*, ²*Shalvata Mental Health Center*,
³*Bar-Ilan University*
- 3. EVENT-RELATED POTENTIALS IN
VIBROTACTILE SOUND DISCRIMINATION**
Vanessa D. Ruiz-Stovel¹, Andrés A. González-Garrido¹,
Fabiola R. Gómez-Velázquez¹, & Luis R. Campos²
¹*University of Guadalajara*, ²*University of Morón*
- 4. WORKING MEMORY CAPACITY INFLUENCES
THE EFFECTIVENESS OF REAPPRAISAL
EMOTION REGULATION STRATEGIES**
Emily L. Belleau¹, Christine L. Larson¹, Emily J.
Jakubowski¹, & Greg J. Siegle²
¹*University of Wisconsin, Milwaukee*, ²*University of
Pittsburgh Medical School*
- 5. ERD/ERS PARAMETERS DEPENDING ON
PERSON'S SOCIAL ACTIVITY TYPE**
Oksana Y. Fedorchuk, Igor Y. Kotsan, Illya P.
Kuznetsov, & Evgeniy A. Kyrychuk
Lessya Ukrainka Volyn National University

- 6. MOVING FROM CLASSICAL TO INSTRUMENTAL GENERALIZATION OF CONDITIONED FEAR**
Brian G. van Meurs, Isaac Wicker, Nicole Wiggert, Michelle McCann, & Shmuel Lissek
University of Minnesota
- 7. FEAR-POTENTIATED STARTLE ASSOCIATED WITH BEHAVIORAL AVOIDANCE IN A FEAR CONDITIONING PARADIGM**
Antonia N. Kaczurkin, Eleanor I. Stahura, & Shmuel M. Lissek
University of Minnesota
- 8. EFFECTS OF PLACEBO ALCOHOL ON COGNITIVE CONTROL OVER RACIAL BIAS: INVESTIGATING NEURAL MECHANISMS**
Joseph B. Hilgard, John G. Kerns, & Bruce D. Bartholow
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- 10. CHANGES IN RIGHT HEMISPHERIC FUNCTIONAL CEREBRAL SYSTEMS WITH TRAIT ANXIETY CLASSIFICATION: SOME PRELIMINARY FINDINGS**
Sara E. Newton¹, Jessica Bunting¹, Alissa K. Holland¹, Mark Coe¹, Joe E. Carmona², & David W. Harrison²
¹*University of South Carolina, Lancaster*, ²*Virginia Tech*
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Alissa K. Holland¹, Sara E. Newton¹, Jessica Bunting¹, Mark Coe¹, Joseph E. Carmona², & David W. Harrison²
¹*University of South Carolina, Lancaster*, ²*Virginia Tech*

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- 12. GENDER COMMONALITIES AND DIFFERENCES IN NEURAL RESPONSES TOWARD VISUAL SEXUAL STIMULI**
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Allan J. Heritage¹ & Stephen D. Benning²
¹*Vanderbilt University*, ²*University of Nevada, Las Vegas*
- 14. STARTLE BLINK MODULATION DURING CIRCUMSCRIBED INTEREST AND FACE STIMULI IN AUTISM SPECTRUM DISORDER**
Stephen D. Benning¹, Anna Sabatino², Joseph C. Franklin², Noah J. Sasson², James W. Bodfish², & Gabriel S. Dichter²
¹*University of Nevada, Las Vegas*, ²*University of North Carolina at Chapel Hill*
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¹*Florida State University*, ²*Washington University in St. Louis*
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Kelly M. Klein¹, Jeremy Harper¹, Edward M. Bernat¹, & Andrey Anokhin²
¹*Florida State University*, ²*Washington University in St. Louis*
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Jong Sung Yoon, Jeremy Harper, Walter R. Boot, K. Anders Ericsson, & Edward M. Bernat
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Srikant R. Kothur¹, Matthew S. Cartabuke¹, Samuel B. Brewer¹, Paul Collins², & Edward M. Bernat¹
¹*Florida State University*, ²*University of Minnesota*
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Jeremy Harper¹, Selin Aviyente², Steve M. Malone³, & Edward M. Bernat¹
¹*Florida State University*, ²*Michigan State University*,
³*University of Minnesota, Twin Cities*
- 20. BEHAVIORAL DISINHIBITION IS RELATED TO N2/THETA ACTIVITY IN A GO/NO-GO TASK: A TIME-FREQUENCY ANALYSIS**
Jeremy Harper¹, Steve Malone², & Edward M. Bernat¹
¹*Florida State University*, ²*Univeristy of Minnesota*
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Elizabeth M. Mulligan, Matthew S. Cartabuke, Samuel B. Brewer, Srikant R. Kothur, Walter R. Boot, Christian Vorstius, Chelsea Morgan, & Edward M. Bernat
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Hedwig Eisenbarth¹, Jeremy Harper², Lacy Olson², Antonio Calogero³, Alessandro Angrilli⁴, & Edward M. Bernat²
¹*University of Regensburg*, ²*Florida State University*,
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- 23. COMMON TIME-FREQUENCY THETA AND DELTA PROCESSES ACROSS TASKS: GAMBLING FEEDBACK, ODDBALL N2, AND GO/NO-GO N2**
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Alex Firan¹, Terry D. Blumenthal¹, & Magne A. Flaten²
¹Wake Forest University, ²The University of Tromsø
- 25. USING ACOUSTIC STARTLE FACILITATION BY WORDS TO ASSESS THREAT BIAS IN EXCESSIVE WORRIERS**
Tamara E. Spence & Terry D. Blumenthal
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- 26. TARGET-TO-TARGET INTERVAL INFLUENCES A RANGE OF ERP COMPONENTS**
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- 27. HOW TO ELECT YOUR ELECTRODES: A COMPARISON OF PASSIVE AND ACTIVE ELECTRODES IN THE SAME AMPLIFICATION SYSTEM**
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- 29. ERPS AND DELAY INTERVAL OSCILLATIONS ASSOCIATED WITH AUDITORY SENSORY GATING IN SCHIZOPHRENIA**
Samuel P. Rumak¹, Caitlan R. Murphy¹, William P. Hetrick², Brian F. O'Donnell², Amanda R. Bolbecker², & Colleen A. Brenner¹
¹University of British Columbia, ²Indiana University

- 30. AN ELECTROPHYSIOLOGICAL MARKER OF IRONY COMPREHENSION AS A PRACTICAL MEASURE OF THEORY OF MIND**
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¹*University of British Columbia*, ²*Indiana University*
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Xin Zheng & Sidney J. Segalowitz
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Meghan M. Weissflog¹, Gillian E. Munro², Lisa M. Wirz³, Sidney J. Segalowitz¹, & Jane Dywan¹
¹*Brock University*, ²*McMaster University*, ³*Maastricht University*
- 35. ELECTROPHYSIOLOGY OF OCULOMOTOR DELAYED RESPONSE TASKS: A MODEL FOR THE MATURATION OF VISUAL—SPATIAL SHORT-TERM MEMORY NETWORKS**
Carleigh Sanderson¹, Melissa Prior¹, Rochelle Tkach¹, William J. Tays², & Ayda Tekok-Kilic¹
¹*Brock University*, ²*Rotman Research Institute*
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William J. Marshall¹, Christine L. Lackner², Paul Marriott¹, Diane L. Santesso², & Sidney J. Segalowitz²
¹University of Waterloo, ²Brock University
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- 41. BLUNTED REACTIVITY TO REWARD BUT NOT PERFORMANCE FEEDBACK IN MAJOR DEPRESSION**
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- 43. THE FEEDBACK NEGATIVITY (FN) PREDICTS BEHAVIORAL AND SELF-REPORT MEASURES OF REWARD SENSITIVITY**
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¹*Stony Brook University*, ²*Florida State University*
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Anna Weinberg¹, Uma Vaidyanathan², Noah Venables², Greg Hajcak¹, & Christopher J. Patrick²
¹*Stony Brook University*, ²*Florida State University*
- 47. DEPRESSIVE SYMPTOMS ARE ASSOCIATED WITH A REDUCED ELECTROCORTICAL RESPONSE TO FEARFUL FACES IN PSYCHOTIC DISORDERS**
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¹*Stony Brook University*, ²*University of Western Ontario*
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- 52. AFFECTIVE ENGAGEMENT AND SUBSEQUENT VISUAL PERCEPTION: EFFECTS OF CONTRAST AND SPATIAL FREQUENCY**
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- 53. FACE INVERSION EFFECTS AND SENSORY DYNAMICS: EVIDENCE FROM STEADY STATE VISUALLY EVOKED POTENTIALS**
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¹University of Florida, ²University of Würzburg, ³Friedrich Schiller University
- 54. PICTURE PRIMING AND EARLY EVENT-RELATED POTENTIALS**
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- 64. DEFENSIVE MOBILIZATION IN OBSESSIVE COMPULSIVE DISORDER: PROFILE OF FEAR OR ANXIOUS MISERY?**
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- 65. SEPARATION OF N2 AND P3 COMPONENTS IN GO/NOGO EXPERIMENTS BY MEANS OF RESIDUE ITERATION DECOMPOSITION (RIDE)**
Guang Ouyang¹, Annekathrin Schacht², Changsong Zhou¹, & Werner Sommer²
¹*Hong Kong Baptist University*, ²*Humboldt University*
- 66. RESIDUE ITERATION DECOMPOSITION (RIDE) AS A TOOL TO DISENTANGLE DIRECT AND INDIRECT ROUTE LRP ACTIVATION**
Guang Ouyang¹, Annika Boldt², Werner Sommer², Changsong Zhou¹, & Birgit Stürmer²
¹*Hong Kong Baptist University*, ²*Humboldt University*
- 67. PARASYMPATHETIC REACTIVITY TO SPECIFIC EMOTIONAL EXPERIENCES: RELATION TO CHILDREN'S SYMPTOMS OF INTERNALIZING AND EXTERNALIZING PROBLEMS**
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- 69. ANS ACTIVATION PATTERNS IN INFANT-MOTHER DYADS FOLLOWING A SOCIAL STRESSOR**
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- 70. MEDIAL PREFRONTAL AND CINGULATE CORTEX ACTIVITY DIFFERENTIATE THOSE WITH AND WITHOUT ACUTE STRESS DISORDER DURING TRAUMA IMAGERY**
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¹University of Wisconsin, Milwaukee, ²Medical College of Wisconsin
- 71. NEURAL CORRELATES OF FACE PROCESSING IN ACUTE STRESS DISORDER**
Julie A. Blaisdell¹, Terri deRoon-Cassini², Lauren E. Taubitz¹, Therese Birmingham³, & Christine L. Larson¹
¹University of Wisconsin, Milwaukee, ²Medical College of Wisconsin, ³Marquette University
- 72. ERPS DURING EMOTION REGULATION TASK AFFECTED BY SYMPTOMS OF DISSOCIATION IN PTSD PATIENTS**
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- 73. TRAIT FEAR AND EXTERNALIZING UNIQUELY PREDICT PROBE P3 AMPLITUDE AND AFFECT-MODULATION IN COMMUNITY PARTICIPANTS**
Laura E. Drislane, Casey M. Strickland, Jaclyn L. Fishalow, & Christopher J. Patrick
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- 74. PSYCHOPATHY AND ERP RESPONSES TO GAIN/LOSS FEEDBACK IN A SIMULATED GAMBLING TASK**
Aisha L. Howard¹, Jason R. Hall¹, Noah C. Venables², James R. Yancey², & Christopher J. Patrick²
¹University of South Florida, ²Florida State University
- 75. HERITABILITY OF FACE-SPECIFIC VARIANCE IN THE CORTICAL N170: EVIDENCE FROM AN INVESTIGATION OF ADULT TWINS**
Robert W. Shannon¹, Christopher J. Patrick², & Sheng He¹
¹University of Minnesota, ²Florida State University

- 76. CALLOUS-UNEMOTIONAL TRAITS MODULATE NEURAL RESPONSES ASSOCIATED WITH PERFORMANCE IN A SOCIAL EXCHANGE GAME**
Sarah J. Brislin¹, Stuart F. White², Harma Meffert², Stephen H. Sinclair², Daniel S. Pine², & James R. Blair²
¹*Florida State University*, ²*NIMH, National Institutes of Health*
- 77. DEPRESSION MODERATES THE RELATIONSHIP BETWEEN FEARFULNESS AND STARTLE POTENTIATION: FURTHER EVIDENCE FROM A COMMUNITY-BASED TWIN SAMPLE**
Uma Vaidyanathan¹, James Yancey², Jennifer Cermak³, Peter J. Lang⁴, & Christopher J. Patrick²
¹*University of Minnesota*, ²*Florida State University*, ³*Marymount University*, ⁴*University of Florida*
- 78. EFFECTS OF DEPRESSION AND TRAIT FEAR ON AFFECTIVE MODULATION OF THE POST-AURICULAR REFLEX**
James R. Yancey¹, Uma Vaidyanathan², Jennifer Cermak³, Megan Lucy¹, & Christopher J. Patrick¹
¹*Florida State University*, ²*University of Minnesota*, ³*Marymount University*
- 79. P3 TO TARGET AND NOVEL STIMULI IN AN ADULT TWIN SAMPLE: EVIDENCE FOR HERITABILITY AND RELATIONS WITH EXTERNALIZING PROBLEMS AND TRAITS**
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- 80. FREQUENCY-SPECIFIC DISRUPTION OF NEURONAL OSCILLATIONS REVEAL ABERRANT CORTICAL NETWORK PROPERTIES IN SCHIZOPHRENIA**
Lauren K. Hayrynen¹, Jordan P Hamm¹, Scott R. Sponheim², & Brett A. Clementz¹
¹*University of Georgia*, ²*Minneapolis VA Health Care System, University of Minnesota*

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David J. Schaeffer¹, Cynthia E. Krafft¹, Nicolette F. Schwarz¹, Lingxi Chi¹, Amanda L. Rodrigue¹, Jordan E. Pierce¹, Nathan Yanasak², Tianming Liu¹, Catherine L. Davis², & Jennifer E. McDowell¹

¹University of Georgia, ²Georgia Health Sciences University

82. HEMODYNAMIC RESPONSE TO BREATH HOLDING IN THE AGING BRAIN IS ASSOCIATED WITH MEASURES OF ARTERIAL ELASTICITY AND CARDIORESPIRATORY FITNESS

Benjamin Zimmerman, Chin Hong Tan, Kathy A. Low, Nils Schneider-Garces, Timothy B. Weng, Mark A. Fletcher, Edward L. Maclin, Gabriele Gratton, & Monica Fabiani

University of Illinois at Urbana-Champaign

83. TAKING THE AGING PULSE: REGIONAL ARTERIAL ELASTICITY IN THE BRAIN AND ITS ASSOCIATION WITH CARDIORESPIRATORY FITNESS, COGNITIVE ABILITY AND BRAIN ATROPHY

Chin Hong Tan, Benjamin Zimmerman, Kathy A. Low, Nils Schneider-Garces, Mark Fletcher, Timothy Weng, Edward L. Maclin, Gabriele Gratton, & Monica Fabiani

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84. RELATIONSHIPS BETWEEN CARDIORESPIRATORY FITNESS, BRAIN ANATOMY, AND COGNITION IN HEALTHY OLDER ADULTS

Mark A. Fletcher¹, Kathy A. Low¹, Nils Schneider-Garces¹, Timothy Weng¹, Rachel Boyd¹, Benjamin Zimmerman¹, Chin Hong Tan¹, Brian Gordon², Gabriele Gratton¹, & Monica Fabiani¹

¹University of Illinois at Urbana-Champaign,

²Washington University in Saint Louis

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- 85. TESTING CARDIOVASCULAR FUNCTIONS REGULATION BY TRIGGERED 0.1 HZ RESONANCE**
Bronya Vaschillo, Evgeny G. Vaschillo, Jennifer F. Buckman, Tam Nguyen, & Marsha E. Bates
Rutgers, The State University of New Jersey
- 86. WATCHING AN ERROR IS NOT QUITE THE SAME AS COMMITTING AN ERROR: AT LEAST ACCORDING TO THE ERN**
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- 87. IS THERE A BENEFIT TO HAVING TWO EARS WHEN EVALUATING NOVELTY?**
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- 88. WHEN THE BIZARRE IS TASK RELEVANT: AN EXAMINATION OF THE NOVELTY P3**
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- 89. ATTENTIONAL DEMANDS DO AFFECT AMPLITUDES OF N1 AND N2 IN THE SENSORY GATING PARADIGM IN NEUROTYPICAL ADULTS AND CHILDREN**
Shannon E. Phelan, Patricia L. Davies, & William J. Gavin
Colorado State University
- 90. INVESTIGATING THE FLANKER EFFECT ON MOTOR RESPONSE IN ADULTS AND CHILDREN**
Wen-Pin Chang¹, William J. Gavin², & Patricia L. Davies²
¹Creighton University, ²Colorado State University
- 91. THE N170 AND FACE MEMORY: DIFFERENCES IN STRUCTURAL ENCODING AFFECT MEMORY FOR OTHER- BUT NOT OWN-RACE FACES**
Keith B. Senholzi & Tiffany A. Ito
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- 92. UP IN SMOKE: ATTENTION, ATTITUDES, AND MARIJUANA**
Erika A. Henry, Angela Bryan, & Tiffany A. Ito
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- 93. CANNABIS USE ASSOCIATED WITH ALTERED MIDDLE TEMPORAL GYRUS ACTIVITY: A LINK TO PSYCHOSIS?**
Herman A. Diggs, Jian Zhu, & David G. Gilbert
Southern Illinois University Carbondale
- 94. CANNABIS CESSATION ALTERS EVENT-RELATED THETA SYNCHRONIZATION IN THE ANTERIOR CINGULATE CORTEX**
Herman A. Diggs¹, Makoto Miyakoshi², Matthew A. Picchietti¹, & David G. Gilbert¹
¹*Southern Illinois University Carbondale*, ²*University of California, San Diego*
- 95. MARIJUANA CESSATION INCREASES EEG SOURCE-LOCALIZED DORSOLATERAL PREFRONTAL CORTEX ACTIVITY DURING INCORRECT TRIAL FEEDBACK-RELATED POSITIVITY IN EMOTIONAL IDENTIFICATION TASK**
Matthew A. Picchietti, Herman A. Diggs, & David G. Gilbert
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- 96. LORETA-ASSESSED PATTERNS OF BRAIN ACTIVITY IN RESPONSE TO TARGET STIMULI IN YOUNG CARRIERS OF THE ALZHEIMER'S DISEASE-ASSOCIATED APOE4 GENOTYPE: EFFECTS OF SMOKING ABSTINENCE**
Ryan Coppens, Raghuveer Kanneganti, Herman A. Diggs, Kristin Wiggs, Greg Rose, & David G. Gilbert
Southern Illinois University
- 97. DO YOUR EARS WIGGLE WHEN YOU SMILE? AN INVESTIGATION OF POSTAURICULAR REFLEX AND AFFECTIVE FACIAL EXPRESSION**
Karly M. Schleicher, Stacia N. Gessner, Wade R. Elmore, & Diane L. Filion
University of Missouri, Kansas City

- 98. MODIFIED AFFECTIVE MODULATION OF STARTLE REFLEX AS A MEASURE OF EMOTION REGULATION**
Jessica L. Hamilton, Diane L. Filion, Harper Page, Robert Hanson, & Meagan Woodall
University of Missouri, Kansas City
- 99. FOCUS ON THE POSITIVE: DO STARTLE AND POSTAURICULAR DIFFERENTIATE PEOPLE HIGH AND LOW IN TRAIT POSITIVE AFFECT?**
Stacia N. Gessner & Diane L. Filion
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- 100. PSYCHOPHYSIOLOGICAL CORRELATES OF ANTICIPATORY ANXIETY AND UNCERTAINTY IN HIGH AND LOW WORRIERS: AN EXPERIMENTAL STUDY**
Hans Kirschner¹, Ulrike Lueken², & Katja Beesdo-Baum²
¹*University of Exeter, United Kingdom*, ²*Technical University of Dresden, Germany*
- 101. BRINGING HOME THE BACON: TECHNIQUES FOR AUGMENTING SALIVA COLLECTION**
Jacob L. Rouquette¹, Jeremy C. Peres¹, Paul D. Slowey², & Elizabeth A. Shirtcliff⁴
¹*University of New Orleans*, ²*Oasis Diagnostics® Corporation*
- 102. CORTICAL REACTIONS TO VERBAL ABUSE: EVENT-RELATED BRAIN POTENTIALS REFLECTING THE PROCESSING OF SOCIAL THREATENING WORDS**
Pascal Wabnitz¹, Ulla Martens², & Frank Neuner¹
¹*University of Bielefeld*, ²*University of Osnabrück*
- 103. FACIAL PROCESSING IN SOCIAL PHOBIA: EVENT-RELATED BRAIN POTENTIALS REFLECT DIFFERENCES IN PROCESSING OF SOCIALLY THREATENING FACES**
Fabian Klein, Pascal Wabnitz, & Frank Neuner
University of Bielefeld

- 104. EXAMINATION OF THE PREDICTIVE VALUE OF STRUCTURAL MAGNETIC RESONANCE SCANS IN BIPOLAR DISORDER: A PATTERN CLASSIFICATION APPROACH**
Vanessa Rocha-Rego¹, Andre F. Marquand², Janaina Mourao-Miranda³, Jigar Jogia², Andrew Simmons², & Sophia Frangou²
¹Federal University of Rio de Janeiro, ²King's College London, ³University College London
- 105. CAN ONE-WEEK-OLD FEAR MEMORIES EFFECTIVELY BE CHANGED WITH INTERFERENCE OF RECONSOLIDATION?**
Elisa C.K. Steinfurth, Candace M. Raio, & Elizabeth A. Phelps
New York University
- 106. COGNITIVE EMOTION REGULATION AND AGING: A NEUROPHYSIOLOGICAL STUDY USING THE LATE POSITIVE POTENTIAL**
Jennifer M. DeCicco¹, Amy Medina², Victor Rios³, & Tracy A. Dennis⁴
¹The Graduate Center, CUNY and Lafayette College, ²John Jay College, CUNY, ³Hunter College, CUNY, ⁴Hunter College, CUNY and The Graduate Center, CUNY
- 107. EFFECTS OF EMOTION AND CUE VALIDITY ON EXECUTIVE ATTENTION PERFORMANCE**
Samantha Berthod¹, Jennifer DeCicco², Akeesha Simmons³, Amishi Jha⁴, & Tracy A. Dennis³
¹The Graduate Center, CUNY, ²The Graduate Center, CUNY and Lafayette College, ³Hunter College, CUNY, ⁴Miami University
- 108. ATTENTION BIAS MODIFICATION AND STRESS REACTIVITY: AN ERP STUDY**
Laura O'Toole¹, Amy Medina², Sarah Babkirk¹, & Tracy A. Dennis²
¹The Graduate Center, CUNY, ²Hunter College, CUNY
- 109. SOCIAL MEDIA USE AND EMOTIONAL BIASES: AN ERP STUDY**
Emily J. Dunn¹, Jennifer DeCicco², & Tracy A. Dennis¹
¹Hunter College, CUNY, ²The Graduate Center, CUNY

110. POSITIVE RELATIONS WITH OTHERS IS A RESOURCE FOR SUCCESSFUL EMOTION REGULATION

Philipp C. Opitz¹, Jeffrey L. Birk¹, Sarah R. Cavanagh², & Heather L. Urry¹

¹Tufts University, ²Assumption College

111. THE ROLE OF EXPERIENTIAL AVOIDANCE AND CHILDHOOD TRAUMA IN PARASYMPATHETIC REACTIVITY TO SAD MOOD IN A SAMPLE OF WOMEN WITH AND WITHOUT AN EATING DISORDER

Karla C. Fettich¹, Eunice Y. Chen¹, Peggy Chau², Kara Christensen³, & Jaleesa Akuoko²

¹Temple University, ²The University of Chicago, ³Brigham and Women's Hospital

112. COMPARISON OF THE RELATIVE UTILITY OF APPETITIVE MOTIVATION AND BEHAVIORAL INHIBITION IN PREDICTING BASELINE CORTICAL ASYMMETRY, LOSS-RELATED PROCESSING, AND BEHAVIORAL RESPONSES ON A PATTERN LEARNING TASK

Jonathan M. Highsmith, Eric M. Watson, Kelly D. Bickel, Katie A. Lehockey, & Daniel E. Everhart
East Carolina University

113. PREDICTING THE UNEXPECTED: TRAIT ANXIETY, FRONTAL ALPHA ASYMMETRY, AND STATE NEGATIVE AFFECT PREDICT P3B, BUT NOT FRN, RESPONSES TO UNEXPECTED NEGATIVE FEEDBACK

Jonathan M. Highsmith, Daniel E. Everhart, Karl L. Wuensch, Tuan D. Tran, & Katie A. Lehockey

East Carolina University

114. TRAITS AND EMOTION INFLUENCE INTERNAL CLOCKS: ELECTROPHYSIOLOGICAL AND BEHAVIORAL RESPONSES TO AN AFFECTIVE GO/NOGO TASK

Katie A. Lehockey, Daniel E. Everhart, Karl L. Wuensch, Tuan D. Tran, Kelly D. Bickel, Jonathan M. Highsmith, & Eric M. Watson

East Carolina University

- 115. FACILITATION OF SOFT TOUCHES UNDER AFFILIATIVE PRIMING IS PREDICTED BY LPP AMPLITUDES, AFFILIATIVE STATES, AND MUTUAL GROOMING**
Rafaela R. Campagnoli¹, Laura Krutman², Isabel A. David², Isabela Lobo², Leticia Oliveira², Mirtes G. Pereira² & Eliane Volchan¹
¹Federal University of Rio de Janeiro, ²Fluminense Federal University
- 116. DIFFERENTIAL EFFECTS OF EMOTION ON PROACTIVE PROCESSES LEADING TO SCENE RECOGNITION: A HIGH DENSITY ERP STUDY**
Antonio Schettino, Tom Loeys, & Gilles Pourtois
Ghent University
- 117. THE EFFECT OF SOCIAL ANXIETY ON EYE-MOVEMENTS BEFORE AND DURING PSYCHOSOCIAL STRESS**
Andrew J. White & Georg W. Alpers
University of Mannheim
- 118. ATTENUATED EFFORT MOBILIZATION TO A SOCIAL REWARD IN DYSPHORIA: EVIDENCE FROM CARDIOVASCULAR REACTIVITY**
Kerstin Brinkmann, Cyrielle Rossier, & Guido H.E. Gendolla
University of Geneva
- 119. RUMINATION AND PHYSIOLOGICAL REACTIVITY TO A LABORATORY-BASED STRESSOR**
Mary L. Woody, Katie L. Burkhouse, & Brandon E. Gibb
Binghamton University, SUNY
- 120. PUPILLARY REACTIVITY TO EMOTIONAL STIMULI IN CHILDREN: THE ROLE OF MATERNAL DEPRESSION AND AGGREGATE GENETIC INFLUENCE**
Katie L. Burkhouse¹, Brandon E. Gibb¹, Greg J. Siegle², & John E. McGeary³
¹Binghamton University, SUNY, ²University of Pittsburgh School of Medicine, ³Providence Veterans Affairs Medical Center and Rhode Island Hospital, Brown University

- 121. A SPECTRUM OF EMOTION
DYSREGULATION IN BULIMIA MEASURED
WITH AFFECTIVE STARTLE**
Erin A. Hazlett¹, Tom Hildebrandt², Nicolas G. Fernandez³, Kim E. Goldstein³, Eleanna Varangis², Katharine Loeb⁴, & King-Wai Chu³
¹Mount Sinai School of Medicine and JJP VA Medical Center, ²Mount Sinai School of Medicine, ³JJP VA Medical Center, ⁴Farleigh Dickinson University
- 122. FRONTAL AND PARIETAL ASYMMETRIES
PREDICT ATTENTIONAL BIAS TO
ANGRY FACES**
Gina M. Grimshaw¹, Joshua Foster¹, Jessica Clifton¹, Lisa Hunkin¹, & Paul M. Corballis²
¹Victoria University of Wellington, ²The University of Auckland
- 123. CHILL REACTIONS INDUCED BY MUSIC
AND UNPLEASANT SOUNDS**
Katharina Holtz, Kai Klepzig, & Alfons O. Hamm
University of Greifswald
- 124. EFFECTS OF NEW LEARNING ON
RECONSOLIDATION OF EMOTIONAL
MEMORIES: A HIGH-DENSITY ERP STUDY**
Janine Wirkner¹, Mathias Weymar², Andreas Löw¹, & Alfons O. Hamm¹
¹University of Greifswald, ²University of Florida
- 125. STARTLE REFLEX ATTENUATION DURING
IMAGERY OF IDIOGRAPHIC AVERSIVE
SCRIPTS IN PATIENTS WITH BORDERLINE
PERSONALITY DISORDER AND
POSTTRAUMATIC STRESS DISORDER**
Anke Limberg¹, Sven Barnow², Harald J. Freyberger¹, & Alfons O. Hamm¹
¹University of Greifswald, ²University of Heidelberg
- 126. ACTIVATION OF FEAR-RELATED FLIGHT
BEHAVIOR DURING A STANDARDIZED
BEHAVIORAL AVOIDANCE TEST IS
ASSOCIATED WITH INCREASED EFFICACY
OF SUBSEQUENT EXPOSURE-BASED CBT IN
PATIENTS WITH PANIC DISORDER
AND AGORAPHOBIA**
Jan Richter, Alfons O. Hamm, & German Panic-
Network Consortium
University of Greifswald

127. DOES RED LIGHT SUPPRESS ERP CORRELATES OF EMOTION?

Andreas Löw¹, Mathias Weymar², Janine Wirkner¹, & Alfons O. Hamm¹

¹University of Greifswald, ²University of Florida

128. POSTMENOPAUSAL WOMEN SHOW EVIDENCE OF MALADAPTIVE CORTISOL RESPONSES TO STRESS

Danielle Gianferante, Myriam V. Thoma, Anece Ahn, Jennifer Kim, & Nicolas Rohleder

Brandeis University

129. LIFETIME CHRONIC STRESS IS ASSOCIATED WITH CORTISOL AND INTERLEUKIN-6 ADAPTATION TO REPEATED ACUTE STRESS

Xuejie Chen, Myriam V. Thoma, Brian Dahlben, Holly Beaulac, Julius Johnson, Michelle Lerman, & Nicolas Rohleder

Brandeis University

130. DIFFERING ASSOCIATIONS BETWEEN SPONTANEOUS EXPRESSIVE SUPPRESSION AND DEPRESSIVE SYMPTOMS IN PEOPLE WITH AND WITHOUT A HISTORY OF DEPRESSION

Jeffrey L. Birk¹, Philipp C. Opitz¹, Sarah R. Cavanagh², Isaac N. Sidel-Goley³, & Heather L. Urry¹

¹Tufts University, ²Assumption College, ³Saint Anselm College

131. AFFECT-SPECIFIC ADRENOCORTICAL REACTIVITY IN YOUTHS WITH EARLY-EMERGING BEHAVIORAL PROBLEMS

Georges Han¹, Paul D. Hastings¹, & Carolyn Zahn-Waxler²

¹University of California, Davis, ²University of Wisconsin, Madison

132. THE HERITABILITY OF FRONTAL EEG ASYMMETRY: REFERENCE AND SEX DIFFERENCES

Andrew W. Bismark¹, William G. Iacono², Stephen M. Malone², & John J.B. Allen¹

¹University of Arizona, ²University of Minnesota

Poster Session III
Friday, September 21

Poster Session Schedule

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

- 1. PHYSIOLOGICAL RESPONSES DURING VIOLENT AND NON-VIOLENT GAMES AS A FUNCTION OF PLAYERS' MOTIVATIONAL ACTIVATION AND PRIOR VIOLENT EXPOSURE**
Satoko Kurita
Osaka University of Economics
- 2. RESTING HRV, MOTIVATIONAL REACTIVITY, AND EXECUTIVE FUNCTIONING**
Rachel L. Bailey, Robert F. Potter, David B. Pisoni, & Annie Lang
Indiana University
- 3. SEPARATING MOTIVATIONAL ACTIVATION FROM ATTITUDES TOWARD PRIMARY MOTIVATIONAL OBJECTS**
Rachel L. Bailey¹ & Narine S. Yeghyan²
¹*Indiana University*, ²*University of California, Davis*
- 4. POSITIVELY NEGATIVE: AN OVERTIME EXAMINATION OF REACTIONS TO COACTIVE MESSAGES**
Justin R. Keene & Annie Lang
Indiana University
- 5. NARRATIVE STRUCTURE IN TELEVISION: ASSOCIATING PREDICTION CONFIDENCE AND VALENCE WITH PHYSIOLOGICAL MEASURES**
Curtis B. Matthews¹, Brandon H. Nutting², Sarah E. Kramer³, Samuel A. Moore³, Wan-chu Chuang³, & Samuel D. Bradley³
¹*Kansas State University*, ²*University of South Dakota*,
³*Texas Tech University*

- 6. AFFECTIVE REACTIVITY TO JUNK VS. HEALTHY FOOD IMAGES: LESS APPETITIVE BUT MORE AROUSING**
Narine S. Yegiyan¹ & Rachel L. Bailey²
¹*University of California, Davis*, ²*Indiana University*
- 7. DOES THE ORIENTING RESPONSE HABITUATE TO REPEATING AUDITORY STRUCTURAL FEATURES THAT VARY IN SEMANTIC CONTENT?**
Robert F. Potter, Matthew Falk, Soyoung Bae, Teresa Lynch, Nicholas L. Matthews, Ashley Kraus, & Sharon Mayell
Indiana University
- 8. AFFECTIVE WORDS, VOICE CHANGES, AND PERCEPTUAL LOAD: DICHOTIC PROCESSING OF ATTENDED AND UNATTENDED AUDIO**
Wesley T. Wise¹, Rachel L. Bottlinger², Jennifer D. Green², Jessica E. Stark², Boni Cui², Kelli R. Lyons², & Samuel D. Bradley²
¹*Kansas State University*, ²*Texas Tech University*
- 9. NEURAL CORRELATES OF THOUGHT SUPPRESSION IN PATIENTS WITH OBSESSIVE-COMPULSIVE DISORDER**
Nele Adler¹, Martin Voss², Gottfried Vosgerau³, Rainer Kniesche¹, Norbert Kathmann¹, & Daniela Simon¹
¹*Humboldt-Universität zu Berlin*, ²*Charité Universitätsmedizin Berlin*, ³*Heinrich-Heine-Universität Düsseldorf*
- 10. PERFORMANCE MONITORING IN OCD: DISSOCIATION OF ERN AND ACC ACTIVATION IN A COMBINED EEG/fMRI STUDY**
Rosa Gruetzmann¹, Leonie Klock², Christian Kaufmann¹, Norbert Kathmann¹, & Tanja Endrass¹
¹*Humboldt-Universität zu Berlin*, ²*Freie Universität Berlin*
- 11. IS PERFORMANCE MONITORING IN OCD ASSOCIATED WITH SYMPTOM STATUS OR SYMPTOM DIMENSIONS?**
Tanja Endrass, Anja Riesel, Sandy Kias, Christian Kaufmann, & Norbert Kathmann
Humboldt-Universität zu Berlin

12. AN EEG STUDY OF ENTROPY AND SURPRISAL DURING ARTIFICIAL GRAMMAR PROCESSING

Angel Tabullo¹, Christophe Pallier², Alejandro Wainseboim¹, & Asaf Bachrach²

¹IBYME - CONICET, ²University of Paris 8

13. MORE AROUSAL, LESS RISK

Barbara Schmidt, Patrick Mussel, & Johannes Hewig
University of Würzburg

14. ON THE INFLUENCE OF SEQUENTIAL DECISION OUTCOME ORDER ON FEEDBACK-RELATED BRAIN POTENTIALS

Roman Osinsky, Patrick Mussel, & Johannes Hewig
University of Würzburg

15. MEAN CEREBRAL BLOOD FLOW (CBF) DURING AN N-BACK TASK PREDICTS CARDIO-METABOLIC RISK (CMR)

Alicia F. Heim, Matthew F. Muldoon, Jane F. Owens, Lei K. Sheu, Claudiu Schirda, & J. Richard Jennings
University of Pittsburgh

16. GRAY MATTER VOLUME AND MEMORY IN MIDDLE AGE

Lauren B. Yadlosky, J.R. Jennings, Howard J. Aizenstein, Christopher M. Ryan, Matthew F. Muldoon, Sean E. Wo, & Alicia F. Heim
University of Pittsburgh

17. CARDIOVASCULAR ACTIVITY AND FUNCTIONAL IMPULSIVITY IN ADOLESCENTS

Marlen Figueroa-Varela¹, Pedro Guerra¹, Miguel A Muñoz¹, Sonia Rodríguez-Ruiz¹, María C. Fernández-Santaella¹, Rafael Delgado¹, Javier Rodríguez¹, Eduardo García¹, Lourdes Anllo-Vento², & Jaime Vila¹

¹University of Granada, ²University of Granada and F. Olóriz Institute of Neurosciences

18. VIEWING LOVED FACES REDUCES PHYSIOLOGICAL STRESS RESPONSES

Alicia Sánchez-Adam¹, Pedro Guerra¹, Lourdes Anllo-Vento², & Jaime Vila¹

¹University of Granada, ²University of Granada, F. Olóriz Institute for Neuroscience

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- 19. EMOTIONAL IMPACT TO THE DYNAMIC IMAGE OF ONE'S OWN BODY IN BULIMIA NERVOSA**
Blanca Ortega-Roldán, Sonia Rodríguez-Ruiz, Sandra Díaz-Ferrer, Jose Luis Mata-Martín, & M. Carmen Fernández-Santaella
University of Granada
- 20. PSYCHOLOGICAL AND NEUROENDOCRINE MECHANISMS UNDERLYING MIRROR EXPOSURE THERAPY IN BULIMIA NERVOSA**
Sandra Díaz-Ferrer¹, Blanca Ortega-Roldán¹, Sonia Rodríguez-Ruiz¹, Silvia Moreno-Domínguez², Triana Bergillos-Meca¹, & M. Carmen Fernández-Santaella¹
¹*University of Granada*, ²*University of Jaén*
- 21. SOCIAL ANXIETY PREDICTS DECREASED NEURAL SELF-OTHER OVERLAP DURING THREAT TO UNFAMILIAR OTHERS**
Erin L. Maresh, Lane Beckes, & James A. Coan
University of Virginia
- 22. HIGHER REJECTION SENSITIVITY AT AGES 17 AND 18 PREDICT LOWER SELF-OTHER OVERLAP IN THE NEURAL RESPONSE TO THREAT**
Marlen Z. Gonzalez, Lane Beckes, James A. Coan, & Joseph P. Allen
University of Virginia
- 23. ATTACHMENT HISTORY PREDICTS A NEURAL SYNCHRONY MEASURE OF SELF-OTHER OVERLAP DURING THREAT**
Lane Beckes, James A. Coan, Joseph P. Allen, & Casey Brown
University of Virginia
- 24. WHEN THE RULES ARE REVERSED: ACTION-MONITORING CONSEQUENCES OF RESPONSE SWITCHING**
Hans S. Schroder & Jason S. Moser
Michigan State University
- 25. THE MINDSET OF MISTAKES: GROWTH MINDSET INDUCTION FACILITATES ADAPTIVE ERROR PROCESSING AND ADJUSTMENTS**
Hans S. Schroder, Jason S. Moser, Brent Donnellan, Carrie Heeter, & Yu Hao Lee
Michigan State University

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- 26. WORKING MEMORY LOAD ENHANCES ACTION MONITORING: IMPLICATIONS FOR THE STUDY OF ANXIETY**
Tim P. Moran & Jason S. Moser
Michigan State University
- 27. DIFFERENTIAL EFFECTS OF STATE-ANXIETY ON ATTENTIONAL CAPTURE IN TRAIT— ANXIETY AND WORRY: BEHAVIORAL AND NEURAL EVIDENCE**
Tim P. Moran, Jason S. Moser, & Mark W. Becker
Michigan State University
- 28. ERPS ELICITED BY IRRELEVANT SOMATOSENSORY STIMULI TO THE SHOULDERS REFLECT THE AMOUNT OF RESOURCES IN A GAME TASK**
Fumie Sugimoto & Jun'ichi Katayama
Kwansei Gakuin University
- 29. THE TEMPORAL CHANGE IN ATTENTIONAL ALLOCATION FOR DEVIANT STIMULUS REVEALED BY DEVIANT P3 DISTRIBUTION**
Fumihito Morimoto¹ & Jun'ichi Katayama²
¹*Jin-ai University and Kwansei Gakuin University,*
²*Kwansei Gakuin University*
- 30. PARIETAL EEG ALPHA SYMMETRY AND OBSESSIVE-COMPULSIVE SYMPTOMATOLOGY**
Ezra Smith, Laura Zambrano-Vazquez, Lauritz Dieckman, & John J.B. Allen
University of Arizona
- 31. CARDIAC VAGAL CONTROL AND ATTACHMENT IN COLLEGE COUPLES: DOES GENDER PLAY A ROLE?**
Anya V. Kogan & John J.B. Allen
University of Arizona
- 32. THE IMPACT OF OBSESSIONS, COMPULSIONS, WORRY, AND ANXIETY ON THE FEEDBACK-RELATED NEGATIVITY**
Brian Roller, Laura Zambrano-Vazquez, & John J.B. Allen
University of Arizona

- 33. THE ROLE OF OBSESSIVE-COMPULSIVE, WORRY, AND ANXIETY SYMPTOMS IN PERFORMANCE MONITORING**
Laura Zambrano-Vazquez & John J.B. Allen
University of Arizona
- 34. MEASURING THE DYNAMICS OF INDIVIDUAL EMOTIONS UNDER ONLINE INTERACTION THROUGH SUBJECTIVE AND PHYSIOLOGICAL RESPONSES**
David Garcia¹, Arvid Kappas², Dennis Kuester², Mathias Theunis², Elena Tsankova², Antonios Garas¹, Peter Kuppens³, & Frank Schweitzer¹
¹*ETH Zurich*, ²*Jacobs University Bremen*, ³*Katholieke Universiteit Leuven*
- 35. CYBEREMOTIONS: AN ANALYSIS OF SYNCHRONOUS COMPUTER MEDIATED COMMUNICATION AND DYADIC INTERACTION**
Arvid Kappas, Dennis Kuester, Mathias Theunis, & Elena Tsankova
Jacobs University Bremen
- 36. SUBSEQUENT TO SUPPRESSION: DOWNSTREAM COMPREHENSION CONSEQUENCES OF NOUN/VERB AMBIGUITY**
Mallory C. Stites & Kara D. Federmeier
University of Illinois
- 37. THE RIGHT HEMISPHERE BREAKS THE RULES: EVENT-RELATED POTENTIALS REVEAL HEMISPHERIC DIFFERENCES IN VISUAL WORD RECOGNITION**
Danielle S. Dickson & Kara D. Federmeier
University of Illinois at Urbana-Champaign
- 38. EFFECT OF PRIMED ATTACHMENT SECURITY AND OXYTOCIN ON PROCESSING OF TRAUMA-RELATED STRESS**
Gizem Arıkan¹, Kathy Carnelley¹, Lusía Stopa¹, Robert Kumsta², David Baldwin¹, & Anke Karł³
¹*University of Southampton, United Kingdom*,
²*University of Freiburg, Germany*, ³*University of Exeter, United Kingdom*

- 39. CONTEXTUAL MODULATION OF PHYSIOLOGICAL RESPONSES TRIGGERED BY EMOTIONAL STIMULI**
Fujimura Tomomi, Katahira Kentaro, & Okanoya Kazuo
Japan Science and Technology Agency
- 40. COMPARISON AMONG DIFFERENT MODELS FOR EVALUATING RSA REACTIVITY IN CHILDREN**
Santiago Morales, Charles Beekman, Elizabeth L. Davids, & Kristin A. Buss
The Pennsylvania State University
- 41. DOES RESPIRATORY SINUS ARRHYTHMIA (RSA) PLAY A ROLE IN THE ACQUISITION OF EMOTION REGULATION STRATEGIES DURING COGNITIVE BEHAVIORAL THERAPY (CBT)?**
Karen J. Mathewson¹, David A. Moscovitch², Vladimir Miskovic³, Diane L. Santesso², Randi E. McCabe¹, Martin M. Antony⁴, & Louis A. Schmidt¹
¹*McMaster University*, ²*University of Waterloo*,
³*University of Florida*, ⁴*Ryerson University*
- 42. RELEVANCE OF THE P3 EVENT-RELATED POTENTIAL AND EXECUTIVE FUNCTION ASSESSMENTS TO CHILDREN'S SOCIAL-EMOTIONAL FUNCTIONING IN KINDERGARTEN**
Cynthia J. Willner, Rachel M. Abenavoli, David DuPuis, & Lisa M. Gatzke-Kopp
The Pennsylvania State University
- 43. PLAYING THE MUSIC: DIFFERENT BRAIN RESPONSES FOR TECHNIQUE OR EXPRESSIVENESS**
Marcia K. Higuchi¹, Tiago A. Sanchez², Marcio J. Sturzbecher¹, Kelley C. Betti¹, José E. Fornari³, Draulio B. Araujo⁴, Cristina M. Del-Ben¹, Frederico G. Graeff¹, & João P. Leite¹
¹*University of São Paulo*, ²*Federal University of Rio de Janeiro*, ³*University of Campinas*, ⁴*Federal University of Rio Grande do Norte*
- 44. SOCIAL DISTANCE AND FRN**
Erwin R. Villuendas-Gonzalez, Andres A. Gonzalez-Garrido, & Fabiola R. Gomez-Velazquez
Universidad de Guadalajara

45. THE EFFECT OF DIFFERENT ORTHOGRAPHIC RECOGNITION ABILITIES ON LEXICAL DECISION: AN EVENT-RELATED POTENTIALS PERSPECTIVE

Daniel Zarabozo-Hurtado, Andrés A. González-Garrido, Fabiola R. Gómez-Velázquez, & Daniel Zarabozo

Universidad de Guadalajara

46. THREAT TRIGGERS MOTOR PREPARATION

Orlando Fernandes Jr.¹, Liana C.L. Portugal¹, Fátima S. Erthal², Tiago A. Sanchez², Leticia Oliveira¹, & Mirtes G. Pereira¹

¹*Fluminense Federal University*, ²*Federal University of Rio de Janeiro*

47. ACTION-LANGUAGE COUPLING: A DEPTH ERP STUDY ON MOTOR (PREMOTOR, M1) AND SEMANTIC AREAS (IFG, STS)

Juan F. Cardona¹, Yamil Vidal², Alejandro Blenkman³, Pia Aravena⁴, Esteban Hurtado⁵, Mirna Nerguizian³, Lucia Amoruso⁶, Silvia Kochen⁷, Tristan Bekinschtein⁸, & Agustin Ibanez⁹

¹*Institute of Cognitive Neurology, CONICET, and University of Buenos Aires, Argentina*, ²*Institute of Cognitive Neurology, Argentina*, ³*Favaloro University, Argentina*, ⁴*L2C2-Institut des Sciences Cognitives, France*, ⁵*Pontifical Catholic University of Chile, Chile*, ⁶*Institute of Cognitive Neurology, CONICET, Argentina*, ⁷*University of Buenos Aires, Argentina*, ⁸*University of Cambridge, United Kingdom*, ⁹*Institute of Cognitive Neurology, CONICET, Argentina, and Diego Portales University, Chile*

48. FRONTAL CORTEX ACTIVITY EVOKED BY THE TRAIL-MAKING TEST IN ELDERLY AND YOUNG ADULTS

Laura D. Müller¹, Julia B.M. Zeller¹, Thomas Dresler³, Tim Hahn³, Thomas Polak¹, Andreas J. Fallgatter², Jürgen Deckert¹, & Martin J. Herrmann¹

¹*University Hospital Würzburg*, ²*University Hospital Tübingen*, ³*Johann Wolfgang Goethe University Frankfurt/Main*

- 49. MEMORY FOR LEARNING EPISODES AND THE REINSTATEMENT OF CONDITIONED FEAR**
Ottmar V. Lipp, Shannon M. Bramwell, Jessica L. Kerin, & Belinda M. Craig
University of Queensland
- 50. THE DETECTION OF NOVELTY RELIES ON DOPAMINERGIC SIGNALING: EVIDENCE FROM APOMORPHINE'S IMPACT ON THE NOVELTY N2**
Mauricio Rangel-Gomez, Clayton Hickey, & Martijn Meeter
VU University Amsterdam
- 51. MODULATION OF STARTLE REFLEXES TO PICTURES OF EMOTIONAL AND NEUTRAL FACES WITH LOW AND HIGH AMPLITUDE IN LOW SPATIAL FREQUENCIES**
Morten Øvervoll & Ole Åsli
The University of Tromsø
- 52. THE LATENCY OF THE INSTRUCTED FEAR REACTION**
Ole Åsli
The University of Tromsø
- 53. TOP-DOWN VERSUS BOTTOM-UP: NEURAL, AUTONOMIC, AND BEHAVIORAL CORRELATES OF THREAT PROCESSING**
Sara V. Tupak¹, Thomas Dresler², Anne Guhn¹, Martin J. Herrmann¹, Paul Pauli¹, Jürgen Deckert¹, Ann-Christine Ehli², & Andreas J. Fallgatter²
¹*University of Würzburg*, ²*University of Tübingen*
- 54. EFFECTS OF REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION (RTMS) ON THE EXTINCTION OF CONDITIONED FEAR**
Anne Guhn¹, Thomas Dresler², Michael M. Plichta³, Sara V. Tupak¹, Agnes Gajewska¹, Thomas Polak¹, Jürgen Deckert¹, & Martin J. Herrmann¹
¹*University of Würzburg*, ²*University of Tübingen*, ³*University of Heidelberg and Medical Faculty Mannheim*
- 55. MOTOR PROGRAMMING OF RESPONSE COMPLEXITY AND MOVEMENT DURATION**
Lu Xu¹, Werner Sommer², & Hiroaki Masaki¹
¹*Waseda University*, ²*Humboldt University*

- 56. ACUTE AEROBIC EXERCISE INFLUENCES ON EXECUTIVE CONTROL ASSESSED BY TASK SWITCHING PARADIGM**
Seong-Ryu Bae & Hiroaki Masaki
Waseda University
- 57. DOES SKILLED-PERFORMANCE POSITIVITY REPRESENT TIMING CONTROL?**
Hiroaki Masaki & Lu Xu
Waseda University
- 58. EARLY VISUAL PROCESSING: THE ROLE OF SPATIAL FREQUENCIES AND IDENTIFICATION AS REVEALED BY ERPS**
Serena Mastria, Andrea De Cesarei, & Maurizio Codispoti
University of Bologna
- 59. PHASIC HEART RATE VARIABILITY CHANGES PREDICT CLINICAL OUTCOMES OF EMOTION REGULATION THERAPY FOR GENERALIZED ANXIETY DISORDER AND COMORBID DEPRESSION**
Douglas S. Mennin¹, David M. Fresco², & Amelia Aldao³
¹*Hunter College, CUNY*, ²*Kent State University*, ³*The Ohio State University*
- 60. DISPOSITIONAL MINDFULNESS AND HEART RATE VARIABILITY IN GENERALIZED ANXIETY DISORDER**
Annette M. Mankus¹, Amelia Aldao², Caroline Kerns³, Elena Wright Mayville⁴, & Douglas S. Mennin¹
¹*Hunter College, CUNY*, ²*Yale University and Weill Cornell Medical School*, ³*Boston University*, ⁴*Yale University*
- 61. CONTINGENCY AWARENESS IN CLASSICALLY CONDITIONED RESPONSES TO STIMULI THAT ARE DIFFICULT TO DISCRIMINATE**
Kulwinder Singh¹, Michael E. Dawson¹, Christopher G. Courtney¹, Anne M. Schell², & Andrew F.H. Payne¹
¹*University of Southern California*, ²*Occidental College*

- 62. NAVIGATING THROUGH VIRTUAL IRAQ: EFFECTS OF THREAT AND COGNITIVE WORKLOAD ON BEHAVIORAL PERFORMANCE AND PSYCHOPHYSIOLOGY**
Christopher G. Courtney¹, Michael E. Dawson², & Thomas D. Parsons¹
¹*University of Southern California, Institute for Creative Technologies,* ²*University of Southern California*
- 63. CAN YOU GIVE ME A HAND? A COMPARISON OF HANDS AND FEET AS OPTIMAL ANATOMICAL SITES FOR SKIN CONDUCTANCE RECORDING**
Andrew F.H. Payne¹, Michael E. Dawson¹, Kulwinder Singh¹, Christopher G. Courtney¹, & Anne M. Schell²
¹*University of Southern California,* ²*Occidental College*
- 64. EVENT-RELATED POTENTIAL CORRELATES OF AFFECTIVE PICTURE DIFFERENTIATION IN HIGH-FUNCTIONING AUTISM SPECTRUM DISORDERS (ASD)**
Whitney A. Worsham, Mikle South, & Michael J. Larson
Brigham Young University
- 65. EFFECTS OF DOPAMINE DEPLETION ON ERROR-RELATED ELECTROPHYSIOLOGICAL INDICES OF PERFORMANCE MONITORING**
Michael J. Larson¹, Peter E. Clayson², Justin L. Hoskin¹, Mark D. Primosch¹, Samuel W. Bergin¹, Ann Clawson¹, & Scott C. Steffensen¹
¹*Brigham Young University,* ²*University of California, Los Angeles*
- 66. EVENT-RELATED POTENTIAL (ERP) AMPLITUDE AND LATENCY MEASUREMENT: A SIMULATION-BASED METHODOLOGICAL CRITIQUE**
Peter E. Clayson¹, Scott A. Baldwin², & Michael J. Larson²
¹*University of California, Los Angeles,* ²*Brigham Young University*

- 67. EFFECTS OF DOPAMINE DEPLETION ON ELECTROPHYSIOLOGICAL CORRELATES OF CONFLICT MONITORING AND RESOLUTION**
Peter E. Clayson¹, Justin L. Hoskin², Mark D. Primosch², Samuel W. Bergin², Ann Clawson², Scott C. Steffensen², & Michael J. Larson²
¹*University of California, Los Angeles*, ²*Brigham Young University*
- 68. CONFLICT ADAPTATION PROCESSES IN ANXIETY: IMPLICATIONS FOR PSYCHIATRIC AND NON-PSYCHIATRIC POPULATIONS**
Ann Clawson¹, Peter E. Clayson², & Michael J. Larson¹
¹*Brigham Young University*, ²*University of California, Los Angeles*
- 69. CARDIOVASCULAR RESPONSES TO LATERALIZED FACIAL COOLING AND FOOT COLD PRESSOR TASKS: IMPLICATIONS FOR ANS REGULATION MODELS**
Jared J. McGinley, Kate Magruder, Anarkali R. Morrill, Jessica Worthen, Matt Flamini, & Bruce H. Friedman
Virginia Tech
- 70. SEX DIFFERENCES IN THE RELATIONSHIP BETWEEN ANTISOCIAL BEHAVIOR AND P3 AMPLITUDE**
Jonathan A. Klaphake¹, Scott R. Carlson², Stephen M. Malone¹, & William G. Iacono¹
¹*University of Minnesota, Twin Cities*, ²*University of Minnesota, Duluth*
- 71. ERN AMPLITUDE ASSOCIATIONS WITH LIFETIME SUBSTANCE USE AND ANTISOCIAL BEHAVIOR**
Jonathan A. Klaphake¹, Uma Vaidyanathan¹, Stephen M. Malone¹, Edward M. Bernat², & William G. Iacono¹
¹*University of Minnesota, Twin Cities*, ²*Florida State University*

- 72. ELECTROPHYSIOLOGICAL DECOMPOSITION OF MOTOR RESPONSE EXECUTION USING CORTICAL CURRENT DENSITY SOURCE MODELING**
Scott J. Burwell¹, Stephen M. Malone¹, Edward M. Bernat², & William G. Iacono¹
¹*University of Minnesota,* ²*Florida State University*
- 73. THE EFFECT OF RECURRENT MDD ON AFFECTIVE STARTLE MODULATION**
Evan J. Welo, Uma Vaidyanathan, Scott J. Burwell, Stephen M. Malone, & William G. Iacono
University of Minnesota
- 74. THE HERITABILITY OF THE STARTLE BLINK REFLEX: BEHAVIOR AND MOLECULAR GENETIC INVESTIGATIONS**
Uma Vaidyanathan, Stephen M. Malone, Michael B. Miller, Scott Burwell, Evan Welo, Matt McGue, & William G. Iacono
University of Minnesota
- 75. FEARLESSNESS AND CARDIAC DEFENSE RESPONSE**
Alicia Fonfría, Raúl López, Rosario Poy, Pilar Segarra, Àngels Esteller, Carlos Ventura, Pablo Ribes, Andreea Sutu, & Javier Moltó
Universitat Jaume I
- 76. PSYCHOPATHY AND THE ERROR-RELATED NEGATIVITY (ERN): THE ROLE OF EXTERNALIZING TENDENCIES**
Àngels Esteller, Pablo Ribes, Rosario Poy, Pilar Segarra, Raúl López, Alicia Fonfría, Carlos Ventura, Andreea Sutu, & Javier Moltó
Universitat Jaume I
- 77. GENDER-SPECIFIC ASSOCIATIONS BETWEEN DEFICIENT FEAR-POTENTIATED STARTLE AND TRAIT FEARLESSNESS**
Rosario Poy, Pilar Segarra, Raúl López, Àngels Esteller, Alicia Fonfría, Pablo Ribes, Carlos Ventura, Andreea Sutu, & Javier Moltó
Universitat Jaume I

78. THE TRIARCHIC MODEL OF PSYCHOPATHY AND HEART RATE VARIABILITY

Pilar Segarra, Alicia Fonfría, Roser Poy, Raúl López, Àngels Esteller, Pablo Ribes, Carlos Ventura, Andreea Sutu, & Javier Moltó

Universitat Jaume I

79. “FEARLESS DOMINANCE” MODULATES FEAR-POTENTIATED STARTLE WITHIN A THREAT OF SHOCK PARADIGM: THE ROLE OF THE CONTEXT

Raúl López, Rosario Poy, Pilar Segarra, Àngels Esteller, Alicia Fonfría, Carlos Ventura, Pablo Ribes, Andreea Sutu, & Javier Moltó

Universitat Jaume I

80. SEROTONIN TRANSPORTER GENETIC VARIATION MODERATES THE RELATIONSHIP BETWEEN COMBAT STRESS AND BIASED ATTENTION FOR FEAR STIMULI AMONG SOLDIERS DEPLOYED IN IRAQ

Seth G. Disner, Christopher G. Beevers, & Michael J. Telch

University of Texas at Austin

81. THE PERSISTENT INFLUENCE OF CONCUSSION ON NEUROELECTRIC FUNCTION AND RESPONSE VARIABILITY

Robert D. Moore¹, Chien-Ting Wu¹, Matthew B. Pontifex², Steven P. Broglio³, & Charles H. Hillman¹

¹*University of Illinois*, ²*Michigan State University*,

³*University of Michigan*

82. THE LONG-TERM INFLUENCE OF MILD HEAD INJURY ON CHILDREN’S NEUROCOGNITIVE DEVELOPMENT: A PRELIMINARY INVESTIGATION

Robert D. Moore & Charles H. Hillman

University of Illinois

83. ERPS REVEAL EFFECTS OF THE SELF-POSITIVITY BIAS DURING ONLINE PROCESSING OF SOCIAL VIGNETTES

Eric C. Fields¹, Camila Carneiro de Lima¹, Rohan Natraj¹, Erich Tusch¹, & Gina R. Kuperberg²

¹*Tufts University*, ²*Tufts University and Massachusetts General Hospital*

- 84. ACUTE EXERCISE MODULATES P3 AMPLITUDE FOR CHILDREN WHO NEED IT MOST: AN ERP STUDY OF INDIVIDUAL DIFFERENCES USING THE FLANKER TASK**
Eric S. Drollette, Matthew B. Pontifex, Mark R. Scudder, Lauren B. Raine, Brian J. Saliba, & Charles H. Hillman
University of Illinois at Urbana-Champaign
- 85. THE ASSOCIATION BETWEEN AEROBIC FITNESS AND SEMANTIC PROCESSING IN CHILDREN**
Mark R. Scudder¹, Kara D. Federmeier¹, Lauren B. Raine¹, Artur Direito², Jeremy Boyd³, & Charles H. Hillman¹
¹*University of Illinois at Urbana-Champaign*, ²*Vrije Universiteit Amsterdam*, ³*University of California, San Diego*
- 86. CHILDHOOD OBESITY AND ACTION MONITORING**
Keita Kamijo¹, Matthew B. Pontifex², Naiman A. Khan³, Lauren B. Raine³, Mark R. Scudder³, Eric S. Drollette³, Ellen M. Evans⁴, Darla M. Castelli⁵, & Charles H. Hillman³
¹*Waseda University*, ²*Michigan State University*, ³*University of Illinois at Urbana-Champaign*, ⁴*University of Georgia*, ⁵*University of Texas at Austin*
- 87. INTERACTION EFFECTS OF MOOD VALENCE AND AROUSAL ON THE BREADTH OF ATTENTION IN EARLY VISUAL PROCESSING**
Hiroki Moriya & Hiroshi Nittono
Hiroshima University
- 88. ABSOLUTE VALUE AND RELATIVE VALUE IN INCENTIVE ANTICIPATION**
Asako Toyama & Hideki Ohira
Nagoya University
- 89. THE IMPACT OF FEAR CONDITIONING ON DECISION-MAKING: A LEARNING ACCOUNT OF AVOIDANCE**
Andre Pittig¹, Michelle G. Craske², Georg W. Alpers¹, & Elisa Berdica¹
¹*University of Mannheim*, ²*University of California, Los Angeles*

- 90. BETTER CARDIAC AUTONOMIC REGULATION DURING CHALLENGE HELPS COMPASSIONATE PARENTS TO AVOID AUTHORITARIAN PARENTING**
Jonas G. Miller, Sarah Kahle, Monica Lopez, & Paul D. Hastings
University of California, Davis
- 91. ALPHA OSCILLATIONS IN RESPONSE TO AFFECTIVE AND CIGARETTE-RELATED STIMULI IN SMOKERS**
Yong Cui¹, Francesco Versace², Jeffrey M. Engelmann², Jennifer A. Minnix², Jason D. Robinson², Cho Y. Lam², Maher Karam-Hage², Victoria L. Brown², David W. Wetter², John A. Dani¹, Thomas R. Kosten¹, & Paul M. Cinciripini²
¹*Baylor College of Medicine*, ²*The University of Texas MD Anderson Cancer Center*
- 92. CONDITIONING OF STIMULI FROM THE BEGINNING AND TERMINAL STAGE OF SMOKING LEADS TO DIFFERENTIAL PHYSIOLOGICAL RESPONSES**
Markus H. Winkler¹, Ronald F. Mucha¹, Bastian Stippekohl², Rudolf Stark², & Paul Pauli¹
¹*University of Würzburg, Institute for Psychology*,
²*University of Giessen, Bender Institute of Neuroimaging*
- 93. THREAT, PAIN, AND BRAIN—NEURAL AND PHYSIOLOGICAL CORRELATES OF DIVERGENT EFFECTS OF FEAR AND ANXIETY ON THE PERCEPTION OF PAIN**
Philipp Reicherts¹, Matthias J. Wieser¹, Antje B.M. Gerdes², Andreas Mühlberger¹, & Paul Pauli¹
¹*University of Würzburg*, ²*University of Mannheim*
- 94. ERP MEASURES OF INHIBITION ON A GO/NO-GO TASK IN PATIENTS WITH MILD COGNITIVE IMPAIRMENT, ALZHEIMER DISEASE, AND HEALTHY CONTROLS**
Natalie A. Phillips & Erin K. Johns
Concordia University
- 95. ERP MEASURES OF WORKING MEMORY IN PATIENTS WITH MILD COGNITIVE IMPAIRMENT, ALZHEIMER DISEASE, AND HEALTHY CONTROLS**
Natalie A. Phillips, Erin K. Johns, & Guido A. Powell
Concordia University

- 96. ATTENTION SHIFTS AND PHENOMENOLOGY OF VISUAL EXPERIENCE**
Vitor Pereira, Isabel Fonseca, João Branquinho, Inês Reis, Inês Raposo, & Ana Marques
University of Lisbon
- 97. UNCONSCIOUS PROCESSING OF FACIAL EMOTIONS REVEALED BY ERPS RECORDED TO UPRIGHT AND INVERTED FEARFUL AND HAPPY FACES**
Wioleta Walentowska & Eligiusz Wronka
Jagiellonian University
- 98. INFLUENCE OF SUBLIMINAL EMOTION STIMULATION ON PHENOMENIC EXPERIENCE: BEHAVIORAL AND ERPS INDICATORS**
Isabel Fonseca, Vitor Pereira, Inês Reis, Inês Raposo, & Ana Marques
University of Lisbon
- 99. DIFFERENCES IN EMOTIONAL RESPONSIVENESS AND AFFECTIVE CONTROL AS REVEALED BY VISUAL ERP COMPONENT CLUSTERING**
Mirosław Wyczesany & Szczepan J. Grzybowski
Jagiellonian University
- 100. THE ROLE OF AMBIENT TEMPERATURE IN FACIAL EMOTION RECOGNITION**
Rodrigo C. Vergara, Vladimir Lopez, & Diego Cosmelli
Pontifical Catholic University of Chile
- 101. EFFECTS OF EMOTIONAL CONTEXTS ON RESPONSE INHIBITION IN ADOLESCENTS WITH HIGH AND LOW BEHAVIORAL REGULATION CAPACITIES**
Juan Hernández, Andrés González-Garrido, & Julieta Ramos-Loyo
Instituto de Neurociencias
- 102. EFFECTS OF NUMBER OF TARGETS AND INTER-TARGET DISTANCE ON N2PC: A STUDY EMPLOYING THE MULTIPLE FRAME PROCEDURE (MFP)**
Mahesh M. Casiraghi¹, Roberto Dell'Acqua¹, Ulysse Fortier-Gauthier², & Pierre Jolicoeur²
¹*University of Padova*, ²*Université de Montréal*

103. UNPLEASANT BODY POSTURE DOES NOT INDUCE AFFECTIVE MODULATION OF STARTLE

Erik Ceunen, Wim Dankaerts, Johan W.S. Vlaeyen, & Ilse Van Diest

KU Leuven

104. RECURRENT PAINFUL INTEROCEPTIVE SENSATIONS OF THE DIGESTIVE TRACT INCREASE GENERAL AUTONOMIC DEFENSIVE RESPONSE ACTIVATION REGARDLESS OF PICTURE INDUCED VALENCE

Erik Ceunen, Natacha Herssens, Lukas Van Oudenhove, Katleen Bogaerts, Huynh G. Ly, Steven J. Coen, Jan Tack, Johan W.S. Vlaeyen, & Ilse Van Diest

KU Leuven

105. DIFFERENCES IN AUTONOMIC DEFENSIVE RESPONSES BETWEEN AVERSIVE DYSPNEIC AND COLD PAIN CHALLENGES DUE TO HOMEOSTATIC REGULATORY MECHANISMS

Erik Ceunen, Johan W.S. Vlaeyen, & Ilse Van Diest

KU Leuven

106. INTEROCEPTIVE FEAR CONDITIONING AND CONTINGENCY AWARENESS

Meike Pappens, Omer Van den Bergh, & Ilse Van Diest

University of Leuven

107. INDIVIDUAL DIFFERENCES IN EXECUTIVE FUNCTION PREDICT EMOTIONAL REACTIVITY TO AND RECOVERY FROM NEGATIVE STIMULI IN FEMALES, BUT NOT MALES, IN TWO SEPARATE STUDIES

Stacey M. Schaefer¹, Carien M. van Reekum², Regina C. Lapate¹, Catherine J. Norris³, Lucas D.

Hinsenkamp¹, Lauren K. Gresham¹, David R.W.

Bachhuber¹, & Richard J. Davidson¹

¹University of Wisconsin, Madison, ²University of Reading, ³Dartmouth College

108. THE EFFECT OF CHILDHOOD EXPERIENCES ON ACUTE PSYCHOSOCIAL STRESS RESPONSES IS MEDIATED BY SELF-ESTEEM

Juliette Saltz, Myriam V. Thoma, Ynbal Landesman, Rupert Thomas Jr., & Nicolas Rohleder

Brandeis University

- 109. BEYOND THE SES-HEALTH GRADIENT: LOWER SUBJECTIVE SOCIAL STATUS PREDICTS A HIGHER IL-6 RESPONSE TO ACUTE STRESS**
June A. He¹, Myriam V. Thoma², Alex Fiksdal²,
Michelle Lerman², & Nicolas Rohleder²
¹*Syracuse University*, ²*Brandeis University*
- 110. CORTISOL STRESS RESPONSES: WHAT MATTERS MORE, HOW ONE FEELS ABOUT ONE'S WEIGHT AND OVERALL APPEARANCE, OR WHAT OTHERS THINK?**
Sarah B. Lupis, Myriam V. Thoma, Nicolas Rohleder,
& Jutta M. Wolf
Brandeis University
- 111. COMBINING THE P300-COMPLEX TRIAL-BASED CONCEALED INFORMATION TEST AND THE REACTION TIME-BASED AUTOBIOGRAPHICAL IMPLICIT ASSOCIATION TEST IN CONCEALED MEMORY DETECTION**
Xiaoqing Hu & J. Peter Rosenfeld
Northwestern University
- 112. ECOLOGICAL VALIDITY AND COUNTERMEASURE MECHANISMS IN P300 CONCEALED INFORMATION TESTS**
Michael R. Winograd & J. Peter Rosenfeld
Northwestern University
- 113. DETECTION OF CONCEALED INFORMATION IN A MOCK CRIME SCENARIO WITH A NOVEL DUAL PROBE COMPLEX TRIAL PROTOCOL (DPCTP) AND PICTORIAL STIMULI**
Elena Labkovsky & J. Peter Rosenfeld
Northwestern University
- 114. ATTENUATED CARDIOVASCULAR REACTIVITY IN DEPRESSION IS MOOD-STATE DEPENDENT**
Lauren M. Bylsma, Kristi E. White, Robert J. Gougelet, Kristen Salomon, & Jonathan Rottenberg
University of South Florida

- 115. SENSITIVITY TO UNPREDICTABLE THREAT IN INDIVIDUALS WITH PANIC DISORDER AND/OR ALCOHOL DEPENDENCE**
Stephanie M. Gorka, Brady D. Nelson, Casey Sarapas, Miranda L. Campbell, Andrea C. Katz, Sarah Kate McGowan, & Stewart A. Shankman
University of Illinois, Chicago
- 116. THE MEDIATING EFFECT OF PREFRONTAL ASYMMETRY ON THE RELATIONSHIP BETWEEN COMT SNP AND TRAIT CONSUMMATORY POSITIVE AFFECT**
Andrea C. Katz, Casey Sarapas, Brady D. Nelson, Miranda L. Campbell, Stephanie M. Gorka, Patel R. Shitalben, Jeffrey R. Bishop, & Stewart A. Shankman
University of Illinois, Chicago
- 117. DOES HEIGHTENED SENSITIVITY TO PREDICTABLE VS. UNPREDICTABLE THREAT INDEX RISK FOR PANIC DISORDER? A STARTLE ELECTROMYOGRAPHY INVESTIGATION**
Brady D. Nelson, E. Jenna Robison-Andrew, Sarah E. Altman, Casey Sarapas, Miranda L. Campbell, Andrea C. Katz, Stephanie M. Gorka, Sarah Kate McGowan, & Stewart A. Shankman
University of Illinois, Chicago
- 118. VARIATION IN SEROTONIN TRANSPORTER GENE PREDICTS STARTLE RESPONSE TO CUED BUT NOT CONTEXTUAL THREAT**
Casey Sarapas, Bishop R. Jeffrey, Patel R. Shitalben, Brady D. Nelson, Miranda L. Campbell, & Stewart A. Shankman
University of Illinois, Chicago
- 119. ATROPHY OF PRE-SMA UNIQUELY PREDICTS REDUCED WORKING MEMORY CAPACITY IN PARKINSON'S DISEASE**
Fernando Valle-Inclan¹, Eun-Young Lee², Nelson Cowan², Jeffrey D. Johnson², Shawn Christ², Terry Rolan², & Steven A. Hackley²
¹*University of La Coruna, Spain*, ²*University of Missouri, United States*
- 120. IS MISMATCH NEGATIVITY DELAYED IN FIRST HOSPITALIZED BIPOLAR DISORDER?**
Dean F. Salisbury & Elizabeth J. Ronan
HMS McLean Hospital

121. AN ELECTROPHYSIOLOGICAL STUDY OF MASKED SEMANTIC PRIMING IN SCHIZOPHRENIA

Maya Libben, Elizabeth Ronan, & Dean Salisbury
HMS McLean Hospital

122. HIGH-APPROACH POSITIVE AFFECT INCREASES AGGRESSIVE RESPONSES TO PROVOCATION: AN EEG STUDY

David Tang¹, Brett Grant¹, Brandon Schmeichel¹, & Eddie Harmon-Jones²

¹*Texas A&M University*, ²*University of New South Wales*

123. NEURAL CORRELATES UNDERLYING SELF-CONTROL AND APPROACH MOTIVATION: ERROR-RELATED NEGATIVITY AND LATE POSITIVE POTENTIALS

Adrienne Crowell¹, Kim Hawkins¹, Nicholas Kelley¹, Brett Grant¹, Eddie Harmon-Jones², & Brandon Schmeichel¹

¹*Texas A&M University*, ²*University of New South Wales*

124. UNCONSCIOUS AUTOMATIC ACTIVATION OF CONCEPTUAL ACTION AND SOUND FEATURES DURING PASSIVE VIEWING IN A MASKED FEATURE PRIMING PARADIGM

Natalie M. Trumpp, Felix Traub, & Markus Kiefer
University of Ulm

125. ACTION OBSERVATION INFLUENCES PERCEPTION: fMRI AND ERP EVIDENCE FOR A FUNCTIONAL ROLE OF ACTION REPRESENTATIONS IN VISUAL OBJECT RECOGNITION

Markus Kiefer¹, Eun-Jin Sim¹, Hannah B. Helbig², & Markus Graf³

¹*University of Ulm*, ²*Max Planck Institute for Biological Cybernetics*, ³*Max Planck Institute for Human Cognitive and Brain Sciences*

126. EXECUTIVE CONTROL IN CHILDREN WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER

I-hsuan Shen & Han-yun Hsiao
Chang Gung University

127. THE EFFECT OF FEEDBACK ON ERROR MONITORING IN CHILDREN WITH ATTENTION-DEFICIT HYPERACTIVITY DISORDER: AN EVENT-RELATED POTENTIAL STUDY

I-hsuan Shen & Mei-heng Lin
Chang Gung University

128. DECREASED RESPONSE MONITORING IN INDIVIDUALS WITH TRICHOTILLOMANIA SYMPTOMS

Kathryn T. Roberts, Emily M. Stanley, & Robert F. Simons
University of Delaware

129. INTERPERSONAL CONFLICTS INFLUENCED OUTCOME EVALUATION IN CHICKEN GAME: AN ERP STUDY

Emily M. Stanley¹, Bo Yuan², Zhen Zhang², Kathryn T. Roberts¹, Xiufeng Yu², Yiwen Wang², & Robert F. Simons¹
¹*University of Delaware*, ²*Tianjin Normal University*

130. STIMULUS DRIVEN ELECTROPHYSIOLOGICAL MEASURES OF RESPONSE INHIBITION

Christina Hong, Austin Katona, & Robert F. Simons
University of Delaware

131. NEURAL CORRELATES OF IMPLICIT AND EXPLICIT RACIAL PREJUDICE: N100, P200, N400

Hannah I. Volpert, Eric Hehman, & Robert F. Simons
University of Delaware

132. RESTING VAGAL REGULATION PREDICTS TESTOSTERONE RESPONSES TO OBSERVED VIOLENCE

Eric C. Porges, Karen E. Smith, & Jean Decety
University of Chicago

133. KINDNESS VERSUS HOSTILITY: ELECTRICAL BRAIN DYNAMICS OF UNDERSTANDING INTERACTIVE INTENTIONS OF OTHER PEOPLE

Liang Huang, Zhen Zhang, Cuili Du, Yan Li, & Yiwen Wang
Tianjin Normal University

- 134. HOW AFFECTIVE STATES IMPACT ON DECODING OTHER'S EMOTION IN EYES: AN ERP STUDY**
Jie Wu, Yuwei Zheng, Liang Huang, Lei Pan, & Yiwen Wang
Tianjin Normal University
- 135. REWARD SALIENCE VS. POSITIVITY: REWARDS (BUT NOT REWARD EXPECTANCY) MODULATE THE LATE POSITIVE POTENTIAL**
Bryan D. Poole, Michael Mintz, Sydney Gruber, & Philip A. Gable
The University of Alabama
- 136. WINNING ISN'T EVERYTHING: GOAL-RELEVANCE IN POSITIVE PICTURES MODULATES FRONTAL CORTICAL ASYMMETRY**
Bryan D. Poole, Sara Seale, & Philip A. Gable
The University of Alabama
- 137. AFFECT AND TASK MODULATION OF THE LPP VARY AS A FUNCTION OF DISPLAY DURATION**
David L. Adams¹, Kenyanita C.Y. Ellis¹, Greg Hajcak², & Philip A. Gable¹
¹*The University of Alabama*, ²*Stony Brook University*
- 138. ALCOHOL CUES, APPROACH BIAS, AND INHIBITORY CONTROL: APPLYING A DUAL PROCESS MODEL OF ADDICTION TO ALCOHOL SENSITIVITY**
Kimberly A. Fleming & Bruce D. Bartholow
University of Missouri

Poster Session IV
Saturday, September 22

Poster Session Schedule

8:00 A.M.—10:00 A.M.	Posters Assembled
10:00 A.M.—2:30 P.M.	Posters Available for Viewing
2:30 P.M.—4:30 P.M.	Authors Present for Discussion and Questions
4:30 P.M.—5:30 P.M.	Dismantle Posters

1. CARDIOVASCULAR REGULATION UNDER ORTHOSTATIC STRESS IN ASSESSING GLUCOSE TOLERANCE

Dmitry M. Davydov¹, Róza Czabak-Garbacz², & Weronika Stasiuk²

¹*P.K. Anokhin Institute of Normal Physiology*, ²*Medical University of Lublin*

2. EEG ANALYSIS IN CHILDREN WITH ATTENTION DEFICIT/HYPERACTIVITY DISORDERS

Irma I.O. Khachidze¹, Victor V.I. Maloletnev², & Manana M.V. Gugushvili²

¹*Beritashvili Centre of Experimental Medicine and Ilia State University*, ²*Beritashvili Centre of Experimental Medicine*

3. HEART RATE RESPONSE TO PACED 0.1 HZ BREATHING IN 8 TO 10 YEARS OLD CHILDREN

Andrey Gorbunov¹, Vladimir Trubachev¹, Vera Trubacheva², Elena Veselkova², & Evgeny Vaschillo³

¹*Moscow Open Social Academy, Mari Branch*, ²*Mari State University*, ³*Rutgers, The State University of New Jersey*

4. THE DIFFERENTIAL ASSOCIATION BETWEEN ADIPOSITY, FITNESS, AND COGNITIVE CONTROL IN PREADOLESCENT CHILDREN

Matthew B. Pontifex¹, Keita Kamijo², Mark R. Scudder³, Lauren B. Raine³, Naiman A. Khan³, Ellen M. Evans⁴, Darla M. Castelli⁵, & Charles H. Hillman³

¹*Michigan State University*, ²*Waseda University*, ³*University of Illinois at Urbana-Champaign*, ⁴*University of Georgia*, ⁵*University of Texas at Austin*

5. **PHYSIOLOGICAL REACTIVITY AND HABITUATION TO A CONTINUOUS AUDITORY TONE IN CHILDREN WITH SENSORY OVER-RESPONSIVITY AND RELATIONSHIP TO ADHD BEHAVIORS**
Jillian C. Sullivan, Sarah A. Schoen, Darci M. Nielsen, & Lucy J. Miller
Sensory Processing Disorder Foundation
6. **PATTERN COMPLETION IN PROCESSING EMOTIONAL CUES**
Harald T. Schupp, Tobias Flaisch, Ursula Kirmse, Ralf Schmäzle, Frank Häcker, Alexander Barth, & Christoph Becker
University of Konstanz
7. **ERP DIFFERENCES BETWEEN CHILDREN WITH DIFFERENT MATH ACHIEVEMENT LEVEL IN AN ARITHMETIC FACT RETRIEVAL TASK**
Fabiola R. Gomez-Velazquez, Minerva Altamirano-Rios, & Andres A. Gonzalez-Garrido
University of Guadalajara
8. **NITRC: NEUROIMAGING INFORMATICS TOOLS AND RESOURCES CLEARINGHOUSE, A SUCCESSFUL KNOWLEDGE ENVIRONMENT FOR THE NEUROIMAGING RESEARCHER**
Arnaud Delorme
University of California, San Diego
9. **THE IMPACT OF TEAM ENVIRONMENT ON ATTENTIONAL RESERVE**
Matthew W. Miller¹, Alessandro Presacco², Lawrence J. Groman², Sean Bur², Jeremy C. Rietschel³, Rodolphe J. Gentili², Craig G. McDonald⁴, Seppo E. Iso-Ahola², & Bradley D. Hatfield²
¹*Auburn University*, ²*University of Maryland*, ³*Veteran's Health Administration*, ⁴*George Mason University*
10. **PROCESSING EMOTIONAL INFORMATION IS MORE AUTOMATIC IN L1 THAN IN L2: ERP EVIDENCE FROM CHINESE-ENGLISH BILINGUALS**
Siyao Li¹, Wuwei Fan¹, & Taomei Guo²
¹*Beijing Normal University*, ²*State Key Laboratory of Cognitive Neuroscience and Learning, Beijing Normal University*

- 11. ELECTROPHYSIOLOGICAL DYSFUNCTION IN PSYCHOPATHIC VIOLENT WOMEN**
Ana Calzada-Reyes¹, Alfredo Alvarez², Lídice Galán-García², & Mitchell Valdés-Sosa²
¹*Legal Medicine Institute, Havana, Cuba*, ²*Cuban Center of Neuroscience*
- 12. CEREBRAL BLOOD FLOW DYNAMICS DURING PAIN PROCESSING IN PATIENTS WITH FIBROMYALGIA SYNDROME**
Stefan Duschek¹, Tanja Mannhart¹, Jana Wörsching¹, & Gustavo A. Reyes del Paso²
¹*University of Munich*, ²*University of Jaén*
- 13. ACTION PLANNING AND THETA FREQUENCY IN A VISUO-SPATIAL WORKING MEMORY TASK**
Ana Garcia, Flavia S. Belham, Carlos Uribe, Maria Clotilde H. Tavares, & Carlos Tomaz
University of Brasilia
- 14. EEG CORRELATES OF AFFECTIVE PICTURE VIEWING IN DIFFERENT PHASES OF THE MENSTRUAL CYCLE: ASSOCIATION WITH EMPATHY LEVEL**
Viktoriiia Kravchenko¹, Katerina Maksymovich¹, Valentyna Dubovyk², & Mykola Makarchuk¹
¹*Taras Shevchenko National University of Kyiv*, ²*Ruhr-Universität Bochum, IGSN*
- 15. EVIDENCE FOR TWO DISTINCT PREFRONTALLY GENERATED PROCESSES CONTRIBUTING TO COGNITIVE INHIBITION: A COMBINED FNIRS-ERP STUDY**
Alica C. Dieler¹, Thomas Dresler², Martin J. Herrmann³, & Andreas J. Fallgatter²
¹*University Munich*, ²*University Tübingen*, ³*University Würzburg*
- 16. AN EVENT-RELATED POTENTIAL STUDY OF SOCIAL STIMULUS PROCESSING IN ADOLESCENTS**
Jill Grose-Fifer, Alison Higgins, Lillian Pena, Brooke Chiusano, Daianna Rodriguez, & Vera Kurmlavage
John Jay College of Criminal Justice, CUNY

- 17. COMPUTATIONAL ECONOMY AND PRAGMATIC MEANING IN PRONOUN RESOLUTION: AN EVENT-RELATED POTENTIAL STUDY WITH YOUNG AND OLDER SPEAKERS OF EUROPEAN PORTUGUESE**
José G. Leitão, Maria T. Carvalho, Luís Pires, & Luís Tojo
University of Coimbra
- 18. Withdrawn**
- 19. DIFFUSION WEIGHTED IMAGING (DWI) MULTI-VOXEL PATTERN ANALYSIS (MVPA) OF INTELLIGENCE IN THE CUBAN POPULATION**
Maria L. Bringas-Vega¹, Yaritza Villareal-Recio², Gertrudis Hernandez³, Pedro A. Valdes-Hernandez³, Agustin Lage-Castellanos³, Yasser Yturria³, & Pedro A. Valdes-Sosa³
¹*International Center for Neurological Restoration, Cuba,*
²*Enrique Cabrera Faculty of Medicine, Cuba,* ³*Cuban Neuroscience Center, Havana*
- 20. DO PERCEPTUAL ITEM FEATURES MATTER FOR CHILDREN AND YOUNG ADULTS? BEHAVIORAL AND ERP CORRELATES OF FAMILIARITY AND RECOLLECTION FOR PERCEPTUALLY CHANGED VERSUS IDENTICAL PICTURES**
Daniela Czernochowski & André Haese
Heinrich Heine Universität Düsseldorf
- 21. EFFECT OF KHAT (CATHA EDULIS) ON BRONCHIAL ASTHMA**
Eden Y. Teferedegn, Andualem M. Ayana, & Alemeshet G. Yami
Jimma University
- 22. ERROR-RELATED COGNITIVE CONTROL PREDICTS CORTISOL REGULATION IN CONTROL BUT NOT DEPRESSED SAMPLES**
Rebecca J. Compton, Julia Hofheimer, & Rebecca Kazinka
Haverford College, CUNY

- 23. SEMANTIC ACCESS TO EMBEDDED WORDS? ELECTROPHYSIOLOGICAL AND BEHAVIORAL EVIDENCE FROM SPANISH AND ENGLISH**
Cyma Van Petten¹, Pedro Macizo², & Polly L. O'Rourke³
¹*Binghamton University, SUNY*, ²*University of Granada*,
³*University of Maryland*
- 24. ON THE GENERALIZED EMBODIMENT OF PAIN: HOW INTEROCEPTIVE SENSITIVITY MODULATES CUTANEOUS PAIN PERCEPTION**
Olga Pollatos¹, Jürgen Füstös¹, & Hugo Critchley²
¹*University of Potsdam*, ²*Brighton and Sussex Medical School, University of Sussex*
- 25. CONVERGING BEHAVIOURAL AND PSYCHOPHYSIOLOGICAL EVIDENCE OF TWO ROUTES TO EXPERTISE IN MENTAL ROTATION**
Alexander Provost¹, Blake Johnson², Frini Karayanidis¹, Scott Brown¹, & Andrew Heathcote¹
¹*The University of Newcastle*, ²*Macquarie University*
- 26. EMOTIONAL IMPACT ON EEG RECORDS: CORTEX OR MUSCLES DOMINATE?**
Sergei G. Danko¹, Julia A. Boytsova¹, Larisa V. Gratcheva², & Maria L. Solovjeva¹
¹*N.P. Bechtereva Institute of the Human Brain RAS*,
²*State Academy of Theatre Arts*
- 27. EMOTION REGULATION WITH ONLINE HEART RATE-BASED BIOFEEDBACK**
Nathalie Peira¹, Mats Fredrikson², & Gilles Pourtois³
¹*Uppsala University and Ghent University*, ²*Uppsala University*, ³*Ghent University*
- 28. EXAMINING THE EFFECTS OF SOCIAL EXCLUSION ON NEURAL AND BEHAVIORAL INDICES OF SELF-REGULATORY ACTION MONITORING**
Jason R. Themanson¹, Aaron B. Ball², Stephanie M. Khatcherian¹, & Peter J. Rosen³
¹*Illinois Wesleyan University*, ²*University of Chicago*,
³*Washington State University*

- 29. EPISODIC IMAGERY AS A MANIFESTATION OF INTERNAL ATTENTION: A VIEW FROM OSCILLATORY EEG**
Sergei G. Danko¹, Julia A. Boytsova¹, Larisa V. Gratcheva², & Maria L. Solovjeva¹
¹*Bechtereva Institute of the Human Brain, Russian Academy of Sciences*, ²*State Academy of Theatre Arts*
- 30. A CROSS-CULTURAL STUDY OF AUTOMATIC AND CONTROLLED PROCESSING OF ALCOHOL IMAGES IN FEMALE COLLEGE FRESHMAN**
Natalie A. Ceballos, Abigail R. Mayfield, Jennifer M. Paz, Marika L. Vela-Gude, & Reiko Graham
Texas State University
- 31. GETTING A GRASP: USING THE NO-GO N200 TO INFORM THE TIMING OF SEMANTIC ACCESS**
Ben D. Amsel, Tom P. Urbach, & Marta Kutas
University of California, San Diego
- 32. LOOKING AT ALLERGENS INCREASES RESPIRATORY SYMPTOM REPORT IN PATIENTS WITH ALLERGIC ASTHMA**
Andreas von Leupoldt & Bernhard Dahme
University of Hamburg
- 33. VIRTUAL REALITY RUBBER HAND ILLUSION INDUCES FEELING OF OWNERSHIP AND ELICITS CORTICAL RESPONSE**
Jens Foell, Robin Bekrater-Bodmann, Martin Diers, Jörg Trojan, Xaver Fuchs, & Herta Flor
Central Institute of Mental Health, Heidelberg University, Mannheim, Germany
- 34. LISTENING TO MUSIC PERFORMANCES: DIFFERENT BRAIN RESPONSES FOR TECHNIQUE OR EXPRESSIVENESS**
Tiago A. Sanchez¹, Marcia K.K. Higuchi², Marcio J. Sturzbecher², Kelley C. Mazzetto-Betti², Draulio B. Araujo³, Cristina M. Del-Ben², Frederico G. Graeff², & Joao P. Leite²
¹*Federal University of Rio de Janeiro*, ²*University of Sao Paulo*, ³*Federal University of Rio Grande do Norte*

- 35. CORTICAL ELECTROPHYSIOLOGICAL PROCESSING OF VERBAL STIMULI: RELATIONSHIP WITH MONOCULAR PERCEPTION AND WORD MEANING**
Mariia Rassomagina & Viktoriia Kravchenko
Taras Shevchenko National University of Kyiv
- 36. P3 REFLECTS THE BROKEN BRIDGE FROM STIMULUS PROCESSING TO ACTION IN PARKINSON'S DISEASE**
Rolf Verleger
University of Lübeck
- 37. IMPLICIT PROCESSING OF THE EYES AND MOUTH: EVIDENCE FROM HUMAN ELECTROPHYSIOLOGY**
Francesca Pesciarelli¹, Irene Leo², & Michela Sarlo²
¹*University of Modena*, ²*University of Padova*
- 38. IMPLICIT AND EXPLICIT BIAS AGAINST HISPANICS**
David S. March & Reiko Graham
Texas State University, San Marcos
- 39. PHYSIOLOGICAL RESPONSES TO INDUCED STRESS (RSA & EDR) AS PREDICTORS OF TRAIT AND STATE RUMINATION**
Amy Mezulis¹, Sheila Crowell², Marissa Rudolph¹, Katherine Davis¹, & Tyler Laney¹
¹*Seattle Pacific University*, ²*University of Utah*
- 40. PENILE TEMPERATURE AND STRAIN GAUGE: RELIABLE INDICATORS OF SEXUAL AROUSAL PERMITTING CROSS GENDER COMPARISONS**
Shonnetta R. Henry¹, Stetson L. Berg¹, & Nicole Prause²
¹*University of New Mexico, Albuquerque*, ²*University of California, Los Angeles*
- 41. OSCILLATORY CONNECTIVITY OF EVENT-RELATED BRAIN NETWORKS IN NORMAL AGING**
Chia-Ju Liu & Ming-Chung Ho
National Kaohsiung Normal University

- 42. LONGITUDINAL STUDY OF RESTING STATE FUNCTIONAL NETWORK CHARACTERISTICS IN MILD COGNITIVE IMPAIRMENT**
Bálint File¹, Brigitta Tóth², Roland Boha², Zoltán Hidasi³, Zsófia A. Gaál², Cornelius J. Stam⁴, & Márk Molnár²
¹*Pázmány Péter Catholic University, Hungary*, ²*RCNS, HAS, Hungary*, ³*Semmelweis University, Hungary*, ⁴*VU University Medical Centre, Netherlands*
- 43. A COMPARISON OF TWO MEASUREMENT TECHNOLOGIES TO COLLECT ELECTRODERMAL ACTIVITY IN INFANTS**
Jennifer A. DiCorcia¹, Matthew S. Goodwin², Elliott B. Hedman³, & Nancy Snidman¹
¹*University of Massachusetts, Boston*, ²*Northeastern University*, ³*MIT Media Lab*
- 44. EVENT-RELATED BRAIN POTENTIALS TO VIOLATIONS OF ARITHMETIC SYNTAX REPRESENTED BY PLACE VALUE STRUCTURE**
Denes Szucs & Fruzsina Soltesz
University of Cambridge
- 45. HYPERBRAIN NETWORKS OF GUITARISTS DURING MUSICAL IMPROVISATION**
Viktor Müller, Johanna Sängler, & Ulman Lindenberger
Max Planck Institute for Human Development
- 46. EMOTION REGULATION ABILITY IN WOMEN DURING THE MENSTRUAL CYCLE**
Lichao Xiu, Wenjuan Zhang, Mengying Wu, & Renlai Zhou
Beijing Key Lab of Applied Experimental Psychology, Beijing Normal University
- 47. THE INFLUENCE OF MUSICAL EXPERIENCE ON HEMISPHERIC INTERACTION, WORKING MEMORY, AND STROOP EFFECT**
Artem Okhrey, Tetiana Kutsenko, & Mykola Makarchuk
Taras Shevchenko National University of Kyiv

- 48. NEUROANATOMICAL CORRELATES OF SELF-INFLICTED INJURY IN FEMALE ADOLESCENTS**
Lauren L. Uyeji¹, Colin L. Sauder², Christina M. Derbidge¹, & Theodore P. Beauchaine³
¹University of Washington, ²Stony Brook University, ³Washington State University
- 49. FUNCTIONAL CONNECTIVITY AND TOP-DOWN REGULATION OF STRESS DURING INFANCY**
Martha Ann Bell, Kimberly Cuevas, & Anjolie Diaz
Virginia Tech
- 50. SHORT-TERM INTEGRATIVE BODY MIND TRAINING CHANGES THE WHOLE BODY'S SKIN CONDUCTANCE RESPONSE**
Xiaoqian Ding¹ & Yi-Yuan Tang²
¹Dalian University of Technology, ²Texas Tech University
- 51. INDIVIDUAL DIFFERENCES IN THE NEURAL RESPONSE TO INFANT AND ADULT FACES IN MOTHERS**
Helena J.V. Rutherford, Krithvi Shyam, Purva Rajhans, & Linda C. Mayes
Yale Child Study Center
- 52. TIMING MATTERS: ERP CORRELATES OF STRATEGIC RETRIEVAL PROCESSING IN ADULTS AND ADOLESCENTS**
Volker Sprondel, Kerstin H. Kipp, & Axel Mecklinger
Saarland University
- 53. COMPARISON OF THE IMPACT OF NEUTRAL AND NEGATIVE TV NEWS CLIPS AND REAL VIOLENCE VIDEOS ON THE PSYCHOPHYSIOLOGICAL STATE OF RECIPIENTS**
Youri D. Havrylets, Sergii V. Tukaiev, Volodymyr V. Rizun, & Mykola Y. Makarchuk
Taras Shevchenko Kyiv National University
- 54. WELCOME TO THE MACHINE: PATTERN CLASSIFIERS REVEAL LATENT COGNITIVE STATES**
James F. Cavanagh, Anne G.E. Collins, & Michael J. Frank
Brown University

- 55. HYPNOTIC SUSCEPTIBILITY AND TRAINING EFFECTS**
 Xiao Du¹ & Yi-Yuan Tang²
¹*Dalian University of Technology*, ²*Texas Tech University*
- 56. SEROTONIN TRANSPORTER POLYMORPHISM MODULATES NEURAL CORRELATES OF REAL-LIFE JOINT ACTION: AN INVESTIGATION WITH FUNCTIONAL NEAR-INFRARED SPECTROSCOPY (FNIRS)**
 Martin J. Herrmann¹, Johanna Egetemeir², Saskia Koehler³, Prisca Stenneken², Andreas Reif¹, & Ann-Christine Ehli⁴
¹*University of Würzburg*, ²*Bielefeld University*,
³*Humboldt-Universität zu Berlin*, ⁴*University of Tübingen*
- 57. THE ROLE OF ANXIETY IN BACKWARD AND FORWARD CONDITIONING**
 Marta Andreatta, Evelyn Glotzbach, Andreas Mühlberger, & Paul Pauli
University of Würzburg
- 58. FIVE HOURS OF MEDITATION CHANGES SKIN CONDUCTANCE RESPONSE AND ABDOMEN RESPIRATORY AMPLITUDE**
 Rongxiang Tang¹, Bing Hu², & Yi-Yuan Tang³
¹*University of Texas at Austin*, ²*Dalian University of Technology*, ³*Texas Tech University*
- 59. DOES EXERCISE ENHANCE COGNITIVE PROCESSING IN YOUNG AND MIDDLE-AGED ADULTS?**
 Frances H. Martin¹, & Kate Lennox²
¹*The University of Newcastle*, ²*The University of Tasmania*
- 61. EFFECTS OF 45 DAYS — 6° HEAD-DOWN BED REST ON EMOTIONAL CONFLICT CONTROL FUNCTION OF MALE SUBJECTS**
 Chunlei Liu¹, Renlai Zhou¹, Cheng Tan², & Xiaoping Chen²
¹*Beijing Key Lab of Applied Experimental Psychology, Beijing Normal University*, ²*China Astronaut Research and Training Center, China*

- 62. ATTACHMENT, PSYCHOPATHY, AND HEART RATE VARIABILITY**
Leif Waage¹, Dagfinn Winje², & Anita Lill Hansen²
¹*Haukeland University Hospital and University of Bergen, Norway*, ²*University of Bergen, Norway*
- 63. MINDFUL DURING PREGNANCY: A POSITIVE RELATION WITH HEART RATE VARIABILITY**
Marijke A.K.A. Braeken, Renée A. Otte, Ivan Nyklicek, & Bea R.H.M. Van den Bergh
Tilburg University
- 64. LIFETIME MATERNAL PSYCHOPATHOLOGY IS REFLECTED IN HRV**
Marijke A.K.A. Braeken¹, Bea R.H.M. Van den Bergh¹, Andrew H. Kemp², Tim Outhred², Geert J.Y.J. Monsieur¹, Renée A. Otte¹, & Alex Jones³
¹*Tilburg University*, ²*University of Sydney*, ³*University College London*
- 65. BRAIN-HEART COUPLING IS ELEVATED IN PANIC DISORDER - EVIDENCE FROM COVARIATION OF EVOKED SINGLE-TRIAL EEG AND CARDIAC RESPONSE**
Erik M. Mueller, Christian Panitz, Yvonne Nestoriuc, Gerhard Stemmler, & Jan Wacker
University of Marburg
- 66. SLEEP DEPRIVATION BLUNTS EMOTION PROCESSING WITHOUT ALTERING CORTISOL LEVELS**
Jaime L. Tartar & Ramey Alfarrá
Nova Southeastern University
- 67. AFFILIATIVE STIMULI PROMOTE SMILING AND FACILITATE GROOMING-LIKE MOVEMENT**
Laura Krutman¹, Rafaela R. Campagnoli², Leticia Oliveira¹, Mirtes G. Pereira¹, & Isabel P.A. David¹
¹*Fluminense Federal University*, ²*Federal University of Rio de Janeiro*
- 68. DISTRACTIBILITY IN ADHD CHILDREN: AN EVENT-RELATED POTENTIALS STUDY**
Magdalena Senderecka¹, Jakub Szewczyk¹, Krzysztof Gerc¹, Roman Chmylak², & Anna Grabowska³
¹*Jagiellonian University*, ²*NZOZ EEG-GRAF*, ³*Nencki Institute of Experimental Biology*

- 69. EXERCISING SELF-CONTROL CAUSES A BIAS IN VISUAL ATTENTION TO REWARDING IMAGES AMONG INDIVIDUALS HIGHER IN TRAIT APPROACH MOTIVATION**
Nicholas J. Kelley, Adrienne L. Crowell, & Brandon J. Schmeichel
Texas A&M University
- 70. TOP-DOWN COGNITIVE CONTROL OF PAIN: DISTINCT NEURAL CORRELATES FOR PAIN INHIBITION AND FACILITATION**
Francesca Fardo¹, Else-Marie Jegindø², Andreas Roepstorff², & Alessandro Angrilli¹
¹*University of Padova*, ²*Aarhus University*
- 71. PERITRAUMATIC TONIC IMMOBILITY IN VICTIMS OF URBAN VIOLENCE PREDICTS TACHYCARDIA TO THREAT PICTURES**
Rita de Cassia S. Alves¹, Jessica R. Andrade², Izabela Mocaiber¹, Gabriela G. Souza³, Isabel P.A. David¹, Leticia Oliveira¹, & Mirtes G. Pereira¹
¹*Fluminense Federal University*, ²*Federal University of Rio de Janeiro*, ³*Federal University of Ouro Preto*
- 72. TASK PROPERTIES AFFECT TYPICAL STIMULUS VALENCE EFFECTS IN EMOTIONAL PICTURE PROCESSING: AN ERP STUDY**
John K. Williams, Evonne M. Edwards, Keith J. Edwards, & Todd W. Hall
Rosemead School of Psychology/Biola University
- 73. FEAR- AND ANXIETY-POTENTIATED STARTLE AS POTENTIAL ENDOPHENOTYPES FOR ANXIETY DISORDERS**
Anja Schmitz, Christian Grillon, & Kathleen R. Merikangas
National Institute of Mental Health
- 74. SKIN CONDUCTANCE, RESPIRATION, HEART RATE, AND P300 IN THE CONCEALED INFORMATION TEST: A META ANALYSIS**
Ewout H. Meijer¹ & Gershon Ben-Shakhar²
¹*Maastricht University*, ²*Hebrew University*

- 75. EARLY-NIGHT SLEEP IS ASSOCIATED WITH FUNCTIONAL BRAIN STATES PROMOTING INSIGHT TO ABSTRACT TASK REGULARITY**
Vasil Kolev¹, Wagner Ullrich², Rolf Verleger³, & Juliana Yordanova¹
¹University of Lübeck, Germany, and Bulgarian Academy of Sciences, Bulgaria, ²Charité - University Medicine, Germany, ³University of Lübeck, Germany
- 76. RESTING STATE EEG ALPHA ACTIVITY PREDICTS COGNITIVE PERFORMANCE IN A SWITCHING TASK**
Yuqin Deng¹ & Yi-Yuan Tang²
¹Dalian University of Technology, ²Texas Tech University
- 77. TOUCH VERSUS TALK: HOW DOES PARTNER PRESENCE REGULATE STRESS RESPONSES?**
Mary H. Burlison, Tara Vincelette, Mary C. Davis, & Nicole A. Roberts
Arizona State University
- 78. CONSOLIDATION OF NEW VERBAL MEANINGS: AN ERP STUDY DURING WORD LEARNING**
Laura Kaczer¹, Cecilia Forcato¹, Pamela Lopes da Cunha², Silvano Zanutto², María Eugenia Pedreira¹, & Alejandro Wainelboim²
¹FCEyN-UBA, ²IBYME-CONICET
- 79. BRAIN FINGERPRINTING WITH PICTORIAL STIMULI: COMPARING P300 AND P300-MERMER ERPS IN THE DETECTION OF CONCEALED INFORMATION**
Lawrence A. Farwell
Brain Fingerprinting Laboratories, Inc.
- 80. FRONTAL EEG ASYMMETRY LINKS APPROACH MOTIVATION TO ATTRACTIVE FACES**
Teresa Taylor-Partridge¹, Rachel Schindel¹, Paisley L. Pauli¹, & Judith H. Langlois²
¹University of the Incarnate Word, ²University of Texas at Austin
- 81. AUDITORY GATING IN SCHIZOPHRENIA: CONTEXT OR ISI?**
Oliver T. William¹, Jordan P. Hamm¹, William P. Hetrick², & Brett A. Clementz¹
¹University of Georgia, ²Indiana University

- 82. FREQUENCY CHARACTERISTICS OF EYE MOVEMENTS DURING A COGNITIVELY DEMANDING TASK**
Satoru Tokuda¹, Goro Obinata¹, Evan Palmer², & Alex Chaparro²
¹Nagoya University, ²Wichita State University
- 83. MULTIMETHOD ASSESSMENT OF SELF-REGULATION: RELATIONSHIPS BETWEEN ERP, PERFORMANCE, AND QUESTIONNAIRE MEASURES**
Kristina Hiatt Racer & Mora A Reinka
University of Oregon
- 84. STEREOTYPES AS AN ATTENTIONAL DEFICIT: EXAMINING THE P1 IN THE IAT**
Mora A. Reinka, Jennifer H. Pfeifer, & Kristina Hiatt Racer
University of Oregon
- 85. VARIATION IN HIPPOCAMPAL SHAPE AND SUBFIELD VOLUME WITH AGING AND ALZHEIMER'S DISEASE**
Brian A. Gordon, Tyler Blazey, Tammie L.S. Benzinger, & Denise Head
Washington University in St. Louis
- 86. BDNF POLYMORPHISM-DEPENDENT OFC AND DLPFC PLASTICITY DIFFERENTIALLY MODERATES IMPLICIT AND EXPLICIT BIAS**
Chad E. Forbes¹, Joshua C. Poore², Aron K. Barbey³, Frank Krueger⁴, Jeffrey Solomon⁵, Robert H. Lipsky⁶, Colin A. Hodgkinson⁷, David Goldman⁷, & Jordan Grafman⁸
¹University of Delaware, ²NINDS, ³University of Illinois, ⁴George Mason University, ⁵Medical Numerics, ⁶Inova Fairfax Hospital, ⁷NIAAA, ⁸Kessler Foundation
- 87. THE ROLE OF THE CONNECTIONS BETWEEN HEART-RATE VARIABILITY AND BRAIN ACTIVITY IN THE ATTENTIONAL CAPTURE OF EMOTIONAL STIMULI**
Elisabeth Ruiz-Padial¹, Julian F. Thayer², José Luis Mata-Martín³, Maria Teresa Mendoza¹, & Francisco Mercado⁴
¹University of Jaén, ²The Ohio State University, ³University of Granada, ⁴University Rey Juan Carlos

- 88. THE LEAPING BRAIN: ERP EVIDENCE OF THE TIME COURSE OF AUDITORY AND MOTOR METAPHORS**
Victoria A. Kazmerski, Dawn G. Blasko, Ashley Kerr, Robert Fogle, Bryan Fleeson, & Christie Leslie
Penn State Erie
- 89. SELF-REFERENTIAL SOCIALLY AND NON-SOCIALLY RELEVANT THREAT INFORMATION PROCESSING IN HIGH SOCIALLY ANXIOUS INDIVIDUALS: AN fMRI STUDY**
Anna Abraham, Caroline Kaufmann, Ronny Redlich, Stephan Stevens, & Christiane Hermann
Justus-Liebig-University Giessen
- 90. ALCOHOL CAN MAKE IT EASIER: ON THE INFLUENCE OF ALCOHOL ON SITUATIONAL ANXIETY IN SOCIALLY ANXIOUS INDIVIDUALS**
Stephan Stevens¹, Trisha Bantin¹, Hanna Grigull¹, Barbara Cludius¹, Alexander L. Gerlach², & Christiane Hermann¹
¹*Justus-Liebig University Giessen*, ²*University of Cologne*
- 91. DEVELOPMENTAL CHANGES IN ERROR PROCESSING IN YOUNG CHILDREN**
Jennie K. Grammer, Melisa Carrasco, Kristall Knieper, Frederick Morrison, & William J. Gehring
University of Michigan
- 92. ERP INDICES OF BIASED ATTENTION IN CHILDREN OF DEPRESSED MOTHERS**
Brandon E. Gibb¹, Seth D. Pollak², Cyma Van Petten¹, Greg Hajcak¹, Lindsey B. Stone¹, Andrea J. Hanley¹, Katie L. Burkhouse¹, Mary L. Woody¹, Jimmy Y. Choi¹, Sydney P. Meadows¹, & Michael Van Wie¹
¹*Binghamton University, SUNY*, ²*University of Wisconsin, Madison*
- 93. EVIDENCE OF BLUNTING OF TASK-DRIVEN COORDINATED CARDIAC AND SOMATIC MOVEMENT RESPONSES IN PTSD**
Steven H. Woodward¹, Ashley A. Shurick², & James J. Gross²
¹*National Center for PTSD and VA Palo Alto HCS*,
²*Stanford University*

- 94. PARIETAL AND SUPPLEMENTARY MOTOR AREA INTERACTIONS IN TIME PERCEPTION INDEXED BY SIMULTANEOUS TMS AND EEG**
Martin Wiener, Roy Hamilton, Peter Turkeltaub, David Wolk, & Branch Coslett
University of Pennsylvania
- 95. BEHAVIORAL AND AUTONOMIC NERVOUS SYSTEM MARKERS OF SENSORY REACTIVITY IN AUTISM**
Roseann C. Schaaf & Teal W. Benevides
Thomas Jefferson University
- 96. TREATMENT RELATED CHANGES IN CORTICAL CONNECTIVITY IN FACE/EMOTION PROCESSING WITH PRESCHOOL AGE CHILDREN WITH AUTISM**
Jim Stieben & Luis Dominguez
York University
- 97. SEEING AND FEELING: UNSEEN AFFECTIVE IMAGES INFLUENCE FEELINGS AND PHYSIOLOGY**
Erika Siegel¹, Lauren Sears¹, Molly Sanders-Cannon¹, Lisa Feldman Barrett², & Karen Quigley¹
¹*Northeastern University*, ²*Northeastern University and Harvard Medical School*
- 98. THE ROLE OF THE MEDIAL-FRONTAL CORTEX IN ERROR PROCESSING**
Tania S.L. Kong¹, Chun-Yu Tse¹, Yunying Huang¹, Brian A. Gordon², Kenneth Kwok¹, & Trevor B. Penney¹
¹*National University of Singapore*, ²*Washington University in St. Louis*
- 99. DYNAMIC FACTOR MODELING OF CARDIORESPIRATORY PARAMETERS OVER A SINGLE NIGHT'S SLEEP**
Aaron J. Fisher¹ & Steven H. Woodward²
¹*Stanford University School of Medicine, National Center for PTSD and VA Palo Alto Health Care System*,
²*National Center for PTSD and VA Palo Alto Health Care System*

**100. WHEN EMOTION GETS THE LAST WORD:
ERP EVIDENCE FOR ATTENTION EFFECTS IN
SUBLIMINAL PROCESSING OF AFFECTIVELY
CHARGED WORDS**

Gwen A. Frishkoff & Anais Stenson
Georgia State University

**101. TEMPORAL ATTENTION MODULATES
EFFECTS OF TASK-DEMANDS ON EARLY
AUDITORY PROCESSING: AN ERP STUDY**

Kathrin Lange
Heinrich-Heine-University, Düsseldorf

**102. BEHAVIORAL AND PHYSIOLOGICAL
RESPONSES DURING COGNITIVE TASKS
NOT SUSCEPTIBLE TO THE NOCEBO EFFECT**

Stacy Eltiti¹, Denise Wallace², Anna Ridgewell²,
Konstantina Zougkou², Riccardo Russo², Francisco
Sepulveda², & Elaine Fox²
¹*Biola University*, ²*University of Essex*

**103. CROSS MODAL INTERACTIONS OF
AUDITORY AND TACTILE STIMULI AT
BRIEF INTERVALS**

Timothy W. Budd
The University of Newcastle

**104. USING RANKED SCRS IN AMBULATORY
MEASUREMENTS: A NEW APPROACH TO
DISTINGUISHING REAL-WORLD
SALIENT EVENTS**

Elliott B. Hedman¹, Karen S. Quigley², & Rosalind W.
Picard¹
¹*MIT Media Lab*, ²*Northeastern University*

**105. ERP FEATURES DURING HANDS MOVEMENT
SYNCHRONIZATION**

Natalia M. Derkach & Illya P Kuznetsov
Lessya Ukrainka Volyn National University

**106. ERD/ERS FEATURES DEPENDING ON EEG
ALPHA-RHYTHM TYPE**

Natalia V. Ievpak & Olga M. Abramchuk
Lessya Ukrainka Volyn National University

107. “WHAT” AND “WHERE” PERCEPTION IN LEFT- AND RIGHT-HANDERS: AN ERP STUDY

Tatyana V. Kachynska, Ihor Ya Kotsan, Illya P. Kuznetsov, & Olena R. Dmytrotsa

Lessya Ukrainka Volyn National University, Lutsk, Ukraine

108. GENDER STEREOTYPES MODULATE ECONOMIC DECISION MAKING AND THE FEEDBACK-RELATED NEGATIVITY

Eve Fabre, Francesca Pesciarelli, & Cristina Cacciari
UNIMORE

109. EFFECT OF SET SIZE AND PRE-CUE DELAY TIME ON SELECTION IN WORKING MEMORY: AN ERP STUDY

Yuji Yi, Timothy Martin, Julianna Kulik, & David Friedman

New York State Psychiatric Institute

110. EXPLICATING PSYCHOLOGICAL REACTANCE: COGNITIVE AND EMOTIONAL PROCESSING OF THREAT-TO-CHOICE LANGUAGE IN PERSUASIVE HEALTH COMMUNICATION

Liz Gardner¹, Brandon H. Nutting², Jennifer D. Green¹, Sarah E. Kramer¹, & Boni Cui¹

¹*Texas Tech University*, ²*University of South Dakota*

111. GENDER-RELATED DIFFERENCES IN SPATIAL SYNCHRONIZATION IN EEG IN BURNOUT STUDENTS

Sergii Tukaiev¹, Sergii Krizhanovskiy¹, Igor Zima¹, Natalya Filimonova¹, Olga Radchuk², Andrew Cherninskiy¹, & Olga Zalevska¹

¹*National Taras Shevchenko University of Kyiv*, ²*Institute of Communication and Health, Università della Svizzera Italiana*

112. CHALLENGE AND THREAT PATTERNS OF CARDIOVASCULAR REACTIVITY: A META-ANALYSES OF CARDIOVASCULAR INDICES

Kalena Burgess, Andrew Caswell, Michael Brannick, & Kristen Salomon

University of South Florida

**113. DETERMINATION VS. SATISFACTION:
POSITIVE FACIAL EXPRESSIONS VARYING IN
APPROACH MOTIVATIONAL INTENSITY
INFLUENCE RELATIVE LEFT FRONTAL
CORTICAL ACTIVITY**

Tom Price

University of New South Wales

**115. COGNITION/EMOTION INTERACTIONS AND
CORTICAL ACTIVITY PATTERNS
DIFFERENTIATE TYPES OF PERSONALITY
AND PSYCHOPATHOLOGY**

Wendy Heller¹, Laura D. Crocker¹, Anna S. Engels²,
Jeffrey M. Spielberg³, John D. Herrington⁴, Jennifer L.
Stewart³, Edelyn Verona¹, Bradley P. Sutton¹, Marie T.
Banich⁵, & Gregory A. Miller⁶

¹*University of Illinois*, ²*The Pennsylvania State
University*, ³*University of California*, ⁴*University of
Pennsylvania*, ⁵*University of Colorado*, ⁶*University of
Delaware*

**116. THE RELATIONSHIP BETWEEN MENTAL
AND PHYSICAL HEALTH: INSIGHTS FROM
THE STUDY OF HEART RATE VARIABILITY**

Andrew H. Kemp, Daniel S. Quintana, Tim Outhred,
& Gin Malhi

University of Sydney

**117. LIFE TIME PSYCHIATRIC ILLNESS,
MATERNAL HRV DURING PREGNANCY AND
INFANT HRV AT TWO MONTHS OF AGE**

Bea R.H. Van den Bergh¹, Marijke Braeken¹,
Alexander Jones², Tim Outhred³, Geert Monsieur¹,
Renée Otte¹, & Andrew H. Kemp³

¹*Tilburg University*, ²*University College London*,
³*University of Sydney*

**118. FISH CONSUMPTION AND UNDERLYING
MECHANISMS IN SELF-REGULATION**

Anita L. Hansen¹, L. Dahl², G. Olson³, D. Thornton³,
I. E. Graff², L. Frøyland², G. Rosenlund⁴, & Julian F.
Thayer⁴

¹*University of Bergen*, ²*National Institute of Nutrition
and Seafood Research (NIFES)*, ³*Sand Ridge Secure
Treatment Center (SRSTC)*, ⁴*The Ohio State University*

**119. HEART RATE VARIABILITY PREDICTS
EMOTION RECOGNITION: DIRECT
EVIDENCE FOR A RELATIONSHIP BETWEEN
THE AUTONOMIC NERVOUS SYSTEM AND
SOCIAL COGNITION**

Daniel S. Quintana, Adam J. Guastella, & Andrew H.
Kemp
University of Sydney

**120. PREFRONTAL REGULATION OF THE STRESS
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Julian F. Thayer
The Ohio State University

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PROGRAM SCHEDULE AT-A-GLANCE

Tuesday, September 18

8:30 a.m.–4:30 p.m., Waldorf Astoria Ballroom (Mezzanine Level), *Pre-Conference Workshop #1, INTRODUCTION TO USING ERPLAB TOOLBOX FOR ERP DATA ANALYSIS (Day One)*

Wednesday, September 19

8:30 a.m.–4:30 p.m., Waldorf Astoria Ballroom (Mezzanine Level), *Pre-Conference Workshop #1, INTRODUCTION TO USING ERPLAB TOOLBOX FOR ERP DATA ANALYSIS (Day Two)*

8:30 a.m.–4:30 p.m., Orpheum Room (Second Level), *Pre-Conference Workshop #2, ICA/PCA OF ERP DATA: AN EP TOOLKIT TUTORIAL WORKSHOP*

8:30 a.m.–4:30 p.m., Chamber I & III (Mayor's Suite Level), *Pre-Conference Workshop #3, BEYOND TRADITIONAL APPROACHES TO ANALYZING REPEATED MEASURES: APPLYING MULTI-LEVEL MODELING IN PSYCHOPHYSIOLOGICAL RESEARCH*

12:00 noon–5:00 p.m., Conti Room (Mezzanine Level), *SPR Board of Directors Meeting*

4:00 p.m.–8:00 p.m., Roosevelt Foyer (Mezzanine Level), *Registration Opens*

4:00 p.m.–9:00 p.m., Roosevelt Ballroom (Mezzanine Level), *Internet Station*

5:30 p.m.–7:00 p.m., Chamber IV (Mayor's Suite Level), *Panel Discussion 1, PSYCHOPHYSIOLOGY AT A PRIMARILY UNDERGRADUATE INSTITUTION: TEACHING AND RESEARCH*

5:30 p.m.–7:00 p.m., Pontalba Room (Mezzanine Level), *Roundtable Discussion, EEG/ERP PUBLICATION GUIDELINES*

7:00 p.m.–9:00 p.m., Roosevelt Ballroom (Mezzanine Level), *Opening Reception; Exhibits Open*

7:00 p.m.–9:00 p.m., Roosevelt Ballroom (Mezzanine Level), *Poster Session I*

Thursday, September 20

7:15 a.m.–6:30 p.m., Roosevelt Foyer (Mezzanine Level), *Registration Open*

8:00 a.m.–8:15 p.m., Roosevelt Ballroom (Mezzanine Level), *Internet Station*

8:00 a.m.–8:15 a.m., Crescent City Ballroom (Mezzanine Level), *Welcome and Introductory Remarks, Christopher Patrick, PhD*

8:15 a.m.–9:15 a.m., Crescent City Ballroom (Mezzanine Level), *Invited Address, IMAGING DISEASES OF POOR SELF-CONTROL, Nora D. Volkow, MD, PhD*

9:00 a.m.–8:15 p.m., Roosevelt Ballroom (Mezzanine Level), *Exhibits Open*

9:15 a.m.–9:45 a.m., Roosevelt Ballroom (Mezzanine Level), *Refreshment Break*

9:45 a.m.–11:30 a.m., Crescent City Ballroom (Mezzanine Level), *Symposium 1.1, SLEEP, LEARNING, AND INSIGHT*

9:45 a.m.–11:30 a.m., Waldorf Astoria Ballroom (Mezzanine Level), *Symposium 1.2,*

FUNCTIONAL CONNECTIVITY AND THE STUDY OF PSYCHOPATHOLOGY

9:45 a.m.–11:30 a.m., Orpheum Room (Second Level), *Symposium 1.3, THE SOCIAL FACE: THE IMPACT OF SOCIAL AND AFFECTIVE INFORMATION ON FACE AND CONTEXT PROCESSING*

11:30 a.m.–1:00 p.m., *Break for Lunch (on your own)*

11:30 a.m.–1:00 p.m., Chamber III (Mayor's Suite Level), *Education and Training Committee Roundtable Discussions (Pre-registration required.)*

1:00 p.m.–2:30 p.m., Crescent City Ballroom (Mezzanine Level), *Symposium 2.1, THE NEUROBIOLOGY OF PSYCHOPATHY*

1:00 p.m.–2:30 p.m., Orpheum Room (Second Level), *Symposium 2.2, NEW DEVELOPMENTS IN THE PSYCHOPHYSIOLOGY OF AUTISM SPECTRUM DISORDERS*

1:00 p.m.–2:30 p.m., Waldorf Astoria Ballroom (Mezzanine Level), *Symposium 2.3, THE PRESENT AS THE PAST'S FUTURE*

2:30 p.m.–3:00 p.m., Roosevelt Ballroom (Mezzanine Level), *Refreshment Break*

3:00 p.m.–4:30 p.m., Orpheum Room (Second Level), *Symposium 3.1, EEG CONNECTIVITY AND AUTISM: METHODOLOGICAL AND CLINICAL FEATURES*

3:00 p.m.–4:30 p.m., Waldorf Astoria Ballroom (Mezzanine Level), *Symposium 3.2, ERP STUDIES OF ADULT SECOND LANGUAGE ACQUISITION*

3:00 p.m.–4:30 p.m., Crescent City Ballroom (Mezzanine Level), *Symposium 3.3, TO FEAR OR NOT TO FEAR: EXCITATORY AND INHIBITORY CONDITIONING IN THE LABORATORY AND THE CLINIC*

4:30 p.m.–4:45 p.m., *Break*

4:45 p.m.–6:15 p.m., Crescent City Ballroom (Mezzanine Level), *Symposium 4.1, THE DEVELOPMENTAL NEUROBIOLOGY OF ADOLESCENCE: IMPLICATIONS FOR EMERGING AFFECTIVE AND BEHAVIORAL DISORDERS*

4:45 p.m.–6:15 p.m., Waldorf Astoria Ballroom (Mezzanine Level), *Symposium 4.2, SOCIAL MISTAKES: SOCIAL PSYCHOLOGICAL PERSPECTIVES ON ERROR-RELATED BRAIN PROCESSES*

4:45 p.m.–6:15 p.m., Orpheum Room (Second Level), *Symposium 4.3, RECENT DEVELOPMENTS IN PSYCHOPATHOLOGY RESEARCH USING STARTLE PROBE METHODOLOGY*

6:15 p.m.–8:15 p.m., Roosevelt Ballroom (Mezzanine Level), *Poster Session II; Exhibits Open*

8:15 p.m.–10:15 p.m., Conti Room (Mezzanine Level), *Early Career Conversation Hour (Pre-registration requested.)*

Friday, September 21

8:00 a.m.–5:00 p.m., Roosevelt Foyer (Mezzanine Level), *Registration Open*