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

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Akina Umemoto, Toyama University/
University of Toronto
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(Publications Committee)
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University of Texas at Tyler
(Committee to Promote Student Interests; 2017-2020)

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Ashley Alba, Volunteer Initiatives Manager
Robert Winters, Membership/Registration Manager
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Kathy Kuehn, Production

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Ad Hoc Website Committee
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Liaison to FABBS
Scott Vrana
Virginia Commonwealth University

Liaison to AAAS
Scott Vrana
Virginia Commonwealth University
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Albert F. Ax 1962–63
Marion A. Wenger 1963–64
Clinton C. Brown 1964–65
Robert Edelberg 1965–66
John A. Stern 1966–67
William W. Grings 1967–68
Laverne C. Johnson 1968–69
David T. Graham 1969–70
Bernard T. Engel 1970–71
Robert Roessler 1971–72
Bernard Tursky 1972–73
Frances K. Graham 1973–74
Paul A. Obrist 1974–75
David Shapiro 1975–76
Peter H. Venables 1976–77
Peter J. Lang 1977–78
Beatrice C. Lacey 1978–79
Emanuel Donchin 1979–80
David T. Lykken 1980–81
Enoch Callaway 1981–82
William F. Prokasy 1982–83
Edward S. Katkin 1983–84
Arne Öhman 1984–85
Jasper Brener 1985–86
Don C. Fowles 1986–87
Michael G.H. Coles 1987–88
Michael E. Dawson 1988–89
David A.T. Siddle 1989–90
J. Richard Jennings 1990–91
Cornelis H.M. Brunia 1991–92
John T. Cacioppo 1992–93
Stephen W. Porges 1993–94
Gregory A. Miller 1994–95
Marta Kutas 1995–96
William G. Iacono 1996–97
Judith M. Ford 1997–98
Risto Näätänen 1998–99
Richard J. Davidson 1999–00
Robert W. Levenson 2000–01
Margaret M. Bradley 2001–02
Connie C. Duncan 2002–03
Bruce N. Cuthbert 2003–04
Niels Birbaumer 2004–05
Steven A. Hackley 2005–06
Robert F. Simons 2006–07
Monica Fabiani 2007–08
John J.B. Allen 2008–09
Gabriele Gratton 2009–10
Gary Berntson 2010–11
Christopher J. Patrick 2011–12
Alfons O. Hamm 2012–13
Terry D. Blumenthal 2013–14
Karen S. Quigley 2014–15
Ottmar V. Lipp 2015–16
Cindy M. Yee-Bradbury 2016–17

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Albert F. Ax 1960–62
Martin Orne 1962–63
Lawrence A. Gustafson 1963–64
Betty A. Wieland 1965–68
David G. McDonald 1968–72
Kenneth M. Kleinman 1972–75
Stephen W. Porges 1975–78
Rafael Klorman 1978–81
Don C. Fowles 1981–84
Robert W. Levenson 1984–87
Robert J. Gatchel 1987–90
Gregory A. Miller 1990–93
Steven A. Hackley 1993–96
Connie C. Duncan 1996–99
Edwin W. Cook III 1999–02

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

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Robert F. Simons 2002–05
Gary G. Berntson 2005–08
Lou Tassinary 2008–11
Cindy M. Yee-Bradbury 2011–14

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Terry D. Blumenthal 2003–06
Karen S. Quigley 2006–10
Diane L. Filion 2010–13
Scott Vrana 2013–16
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Albert F. Ax 1964–73
William F. Prokasy 1974–77
David Shapiro 1978–86
Michael G.H. Coles 1987–93
John T. Cacioppo 1994–97
Gregory A. Miller 1998–02
Margaret M. Bradley 2003–05
Robert F. Simons 2006–14

AWARDS FOR DISTINGUISHED CONTRIBUTIONS TO PSYCHOPHYSIOLOGY

Chester W. Darrow 1969
R.C. Davis 1969
Marion A. Wenger 1970
John I. Lacey 1970
Albert F. Ax 1973
Robert Edelberg 1974
William W. Grings 1978
Frances K. Graham 1981
Donald B. Lindsley 1984
Paul A. Obrist 1985
Peter H. Venables 1987
David Shapiro 1988
E.N. Sokolov 1988
Peter J. Lang 1990
John Stern 1993
Emanuel Donchin 1994
Risto Näätänen 1995
David T. Lykken 1998
Steven A. Hillyard 1999
John T. Cacioppo 2000
Arne Öhman 2001
Michael G.H. Coles 2002
Robert M. Stern 2004
Cornelius H.M. Brunia 2005
Marta Kutas 2007
William G. Iacono 2008
Niels Birbaumer 2009
Judith M. Ford 2010
Margaret M. Bradley 2011
Don C. Fowles 2012
Gregory A. Miller 2013
J. Richard Jennings 2014
Robert W. Levenson 2015
Brigitte S. Rockstroh 2016
Bruce N. Cuthbert 2017
AWARDS FOR DISTINGUISHED EARLY CAREER CONTRIBUTIONS TO PSYCHOPHYSIOLOGY

<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
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<tbody>
<tr>
<td>Connie C. Duncan</td>
<td>1980</td>
</tr>
<tr>
<td>Kathleen C. Light</td>
<td>1980</td>
</tr>
<tr>
<td>John T. Cacioppo</td>
<td>1981</td>
</tr>
<tr>
<td>William G. Iacono</td>
<td>1982</td>
</tr>
<tr>
<td>Graham Turpin</td>
<td>1984</td>
</tr>
<tr>
<td>Ray Johnson Jr.</td>
<td>1985</td>
</tr>
<tr>
<td>Alan J. Fridlund</td>
<td>1986</td>
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<tr>
<td>J. Rick Turner</td>
<td>1988</td>
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<tr>
<td>Ulf Dimberg</td>
<td>1988</td>
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<tr>
<td>Kimmo Alho</td>
<td>1990</td>
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<tr>
<td>Thomas W. Kamarck</td>
<td>1991</td>
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<td>Steven A. Hackley</td>
<td>1992</td>
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<td>George R. Mangun</td>
<td>1993</td>
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<tr>
<td>Christopher J. Patrick</td>
<td>1993</td>
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<tr>
<td>Cyma Van Petten</td>
<td>1994</td>
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<tr>
<td>Friedemann Pulvermüller</td>
<td>1995</td>
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<td>Erich Schröger</td>
<td>1996</td>
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<td>Brett A. Clementz</td>
<td>1997</td>
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<tr>
<td>Gabriele Gratton</td>
<td>1997</td>
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<tr>
<td>Christopher R. France</td>
<td>1998</td>
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<tr>
<td>Axel Mecklinger</td>
<td>1999</td>
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<td>John J.B. Allen</td>
<td>2000</td>
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<tr>
<td>James J. Gross</td>
<td>2000</td>
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<td>Martin Heil</td>
<td>2001</td>
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<td>Eddie Harmon-Jones</td>
<td>2002</td>
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<td>Thomas Ritz</td>
<td>2003</td>
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<tr>
<td>Frank Wilhelm</td>
<td>2004</td>
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<td>Kent A. Kiehl</td>
<td>2005</td>
</tr>
<tr>
<td>Kara D. Federmeier</td>
<td>2006</td>
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<tr>
<td>Diego Pizzagalli</td>
<td>2006</td>
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<td>Bruce D. Bartholow</td>
<td>2007</td>
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<td>Markus Ullsperger</td>
<td>2008</td>
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<td>Sander Nieuwenhuis</td>
<td>2009</td>
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<td>James Coan</td>
<td>2010</td>
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<td>Eveline Crone</td>
<td>2011</td>
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<tr>
<td>Greg Hajcak</td>
<td>2012</td>
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<tr>
<td>Ilse Van Diest</td>
<td>2013</td>
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<tr>
<td>Heleen A. Slagter</td>
<td>2014</td>
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<tr>
<td>Matthias Wieser</td>
<td>2015</td>
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<tr>
<td>Sharna Jamadar</td>
<td>2016</td>
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<tr>
<td>Jan R. Wessel</td>
<td>2016</td>
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<tr>
<td>Christina Ottaviani</td>
<td>2017</td>
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<tr>
<td>James Cavanagh</td>
<td>2018</td>
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<tr>
<td>Anja Riesel</td>
<td>2018</td>
</tr>
</tbody>
</table>
**Registration**

Registration will be held in Room 2000A Foyer at the Quebec City Convention Centre (see map on page 18) during the following hours:

- **Wednesday, October 3**
  - 2:30 p.m.–7:30 p.m.
- **Thursday, October 4**
  - 7:30 a.m.–6:30 p.m.
- **Friday, October 5**
  - 8:30 a.m.–6:30 p.m.
- **Saturday, October 6**
  - 8:30 a.m.–12:30 p.m.

**Poster Sessions**

Poster sessions will be held in Room 2000A at the Quebec City Convention Centre. All posters must be removed during the designated dismantle time for each session. The schedule for poster presentation assembly and dismantling is as follows:

**Wednesday, October 3**

**Poster Session I**

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

**Thursday, October 4**

**Poster Session II**

- 8:00 a.m.–9:00 a.m. Posters Assembled
- 9:00 a.m.–6:10 p.m. Posters Available for Viewing
- 6:10 p.m.–8:10 p.m. Authors Present for Discussion and Questions
- 8:10 p.m.–8:40 p.m. Dismantle Posters

**Friday, October 5**

**Poster Session III**

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

**Saturday, October 6**

**Poster Session IV**

- 8:00 a.m.–9:00 a.m. Posters Assembled
- 9:00 a.m.–7:00 p.m. Posters Available for Viewing
- 7:00 p.m.–9:00 p.m. Authors Present for Discussion and Questions
- 9:00 p.m.–9:30 p.m. Dismantle Posters
Announcements

You are invited to use the bulletin board located in Room 2000A Foyer to post the following information:

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

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

Mobile App

Download the SPR mobile app from the iTunes Store or Google Play–search for SPR 2018. Access the program, abstracts, and more! Plan to download the app before you travel to the meeting site.

Please be aware of any additional data charges, especially if you are travelling internationally.

Publication of Abstracts

Abstracts of papers presented in the symposia and poster sessions are published online in the September 2018 supplement volume of *Psychophysiology*. Check the SPR website for the link (www.sprweb.org).

COMMITTEE MEETINGS

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

Board of Directors

**President:** Kara D. Federmeier  
(kfederme@illinois.edu)  
Wednesday, October 3, 12:00 noon–5:00 p.m.  
Sunday, October 7, 9:00 a.m.–12:00 noon  
Plaines Room, Hilton Hotel (23rd Floor)

Archives Committee

**Chair:** William Iacono  
(wiacono@umn.edu)  
Friday, October 5, 7:30 a.m.–8:30 a.m.  
Room 207

Chairs of Membership Enhancement Committees

**Chair:** Christine Larson  
(larsoncl@uwm.edu)  
Thursday, October 4, 8:00 a.m.–9:15 a.m. (Breakfast)  
Room 207
Committee on Women in Psychophysiology
Chair: Rebecca Silton
(rsilton@luc.edu)
Thursday, October 4, 11:45 a.m.–1:00 p.m. (Lunch)
Meet in the Quebec City Convention Centre Lobby at 11:45 a.m.

Committee to Promote Student Interests
Chair: Sarah Sass
(ssass@uttyler.edu)
Friday, October 5, 8:15 p.m.–9:45 p.m.
Sainte Foy (1st Floor), Hilton Hotel

Education and Training Committee
Chair: Jason Moser
(jmoser@msu.edu)
Friday, October 5, 11:30 a.m.–1:00 p.m.
Meet in the Quebec City Convention Centre Lobby at 11:30 a.m.

Past Presidents Dinner
Immediate Past-President: Cindy M. Yee-Bradbury
(yee@psych.ucla.edu)
Thursday, October 4, 8:30 p.m. (Dinner)
Meet in the Quebec City Convention Centre Lobby at 8:15 p.m.

2018 Program Committee
Chair: Anna Weinberg
(anna.weinberg@mcgill.ca)
Thursday, October 4, 11:45 a.m.–1:00 p.m. (Lunch)
Meet in the Quebec City Convention Centre Lobby at 11:45 a.m.

2019 Program Committee
Chair: Catherine Norris
(cnorris2@swarthmore.edu)
Friday, October 5, 11:30 a.m.–1:00 p.m. (Lunch)
Meet in the Quebec City Convention Centre Lobby at 11:30 a.m.

The Psychophysiology Board of Associate Editors
Chair: Monica Fabiani
(mfabiani@illinois.edu)
Thursday, October 4, 11:45 a.m.–1:00 p.m.
Room 207
**SPECIAL INTEREST BREAKFASTS, LUNCHEONS, AND DINNERS**

As in previous years, small group breakfasts, lunches, and dinners may be held to provide an informal setting for people to meet and share common interests. Please contact the organizer to participate.

**Research Postdocs and Careers in the VA**  
Friday, October 5, 2018  
2:30 p.m.–3:15 p.m. (but open to suggestions)  
Meet in front of Room 2000A.  
If interested in participating, contact Laura Zambrano-Vazquez at lzambranovazquez@gmail.com

**Bringing Your Research Closer to the Public: Outreach Luncheon**  
Thursday, October 4, 2018  
Time: 11:45 a.m.–1:00 p.m.  
If interested, contact Jens Foells at foell@psy.fsu.edu

**NEW TO SPR?**

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

**EDUCATION AND TRAINING COMMITTEE ROUNDTABLE DISCUSSIONS**

11:45 a.m.–1:00 p.m.  
Thursday, October 4, 2018  
Room 2000D  
(Registration fee: $10; Pre-registration required)

The format of this discussion session for each topic is a round table with 10 people seated, including the speakers. It is a small group opportunity to talk about the issues important to you. Lunch is included. Take this time to discuss your questions with experts in the
field. Registration will be available on a first-come, first-served basis.

**Roundtable #1: Teaching Psychophysiology**  
Cindy Bukach, University of Richmond and Jane Couperus, Hampshire College

**Roundtable #2: Rigor and Reproducibility**  
Michael Larson, Brigham Young University and Andreas Keil, University of Florida

**Roundtable #3: Developmental Psychophysiology**  
Rebecca Brooker, Texas A&M University and Sid Segalowitz, Brock University

**Roundtable #4: Integrating Data Across Levels of Analysis**  
Phil Gable, University of Alabama and Bruce Friedman, Virginia Tech

**Roundtable #5: Psychophysiology Methods**  
Ed Bernat, University of Maryland and Liz Page-Gould, University of Toronto

**Roundtable #6: Neural Signatures of Mental Illness**  
Lisa McTeague, Medical University of South Carolina and Gregory A. Miller, University of California, Los Angeles

**WOMEN IN SCIENCE AND EDUCATION (WISE) AND DIVERSITY COMMITTEE LUNCHEON**

Promoting Visibility of #STEMWomen and Minorities  
11:30 a.m.-1:00 p.m.  
Friday, October 5  
Room 2000D  
Fee: $10 USD per person  
RSVP: September 14, 2018  
(anticipated space for 130 attendees)

Please join the WISE and Diversity Committees for a panel presentation and discussion that will offer tangible strategies to promote the visibility of women and minority STEM scientists/educators via media and science communication efforts. Women and minority scientists/educators are less visible in mainstream, institutional, and social media and are also less likely to have visible positions within the academy (e.g., administrative positions, society board positions,
conference presenters, editorial roles etc.). Overcoming these issues are paramount to promoting equity and inclusion in academia.

The lunch and panel discussion are inclusive and open to all, irrespective of gender, ethnicity, or career level.

To register, please check the appropriate box on the SPR registration form or directly contact the SPR Registrar via email at spr@sprweb.org. Registration for this event is on a first come, first-served basis.

**GENERAL BUSINESS MEETING AND LUNCHEON**

12:45 p.m.–2:45 p.m.
Saturday, October 6
Port du Palais, Hilton Hotel (First Floor)

Join the SPR Board of Directors and fellow SPR attendees at the Annual Business Meeting and Luncheon. Preregistration and an additional fee of $10 per person are required. If you have not already registered for the luncheon, contact the SPR Registrar via email at spr@sprweb.org.

Students receive complimentary tickets to the Luncheon if registered by September 7. Confirm your attendance by Friday, September 7!

**SPEAKER READY ROOM**

If you are speaking at the meeting, plan time to visit the Speaker Ready Room to download your slides. It is located in Room 2101 at the Quebec Convention Centre. There will be a technician in the Speaker Ready Room to assist you. This will give you the opportunity to review your slides before they are transferred to the laptop computer in your session room. Feel free to have all your symposium speakers meet in the speaker ready room to go over any last minute details prior to your session.

All speakers delivering computer-based presentations must check in at the Speaker Ready Room with their presentation.
<table>
<thead>
<tr>
<th>Date/Time is…....</th>
<th>Then Your Scheduled Check-In Time is.....</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, October 4, 2018 Between 8:30 a.m.-12:00 noon</td>
<td>Report prior to 8:00 p.m. on Wednesday, October 3, 2018</td>
</tr>
<tr>
<td>Thursday, October 4, 2018 Between 1:30 p.m.-5:00 p.m.</td>
<td>Report prior to 11:00 a.m. on Thursday, October 4, 2018</td>
</tr>
<tr>
<td>Friday, October 5, 2018 Between 8:30 a.m.-12:00 noon</td>
<td>Report prior to 6:00 p.m. on Thursday, October 4, 2018</td>
</tr>
<tr>
<td>Friday, October 5, 2018 Between 1:30 p.m.-5:00 p.m.</td>
<td>Report prior to 11:00 a.m. on Friday, October 5, 2018</td>
</tr>
<tr>
<td>Saturday, October 6, 2018 Between 8:30 a.m.-12:00 noon</td>
<td>Report prior to 6:00 p.m. on Friday, October 5, 2018</td>
</tr>
<tr>
<td>Saturday, October 6, 2018 Between 1:30 p.m.-5:30 p.m.</td>
<td>Report prior to 11:00 a.m. on Saturday, October 6, 2018</td>
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**Speaker Ready Room Open Hours**

Room 2101

<table>
<thead>
<tr>
<th>Day</th>
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<tbody>
<tr>
<td>Wednesday, October 3</td>
<td>5:00 p.m.–8:00 p.m.</td>
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<tr>
<td>Thursday, October 4</td>
<td>7:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Friday, October 5</td>
<td>7:00 a.m.–6:00 p.m.</td>
</tr>
<tr>
<td>Saturday, October 6</td>
<td>7:00 a.m.–11:00 a.m.</td>
</tr>
</tbody>
</table>

**LACTATION ROOM**

A lactation room will be available upon request. Please obtain a key from the SPR registration desk, Room 2000A Foyer. It is located in Room 2103.

**FUTURE ANNUAL MEETINGS**

**59th SPR Annual Meeting**  
September 25–29, 2019  
Hyatt Regency at Capitol Hill, Washington, DC

**60th SPR Annual Meeting**  
October 7–11, 2020  
Hyatt Regency Hotel, Vancouver, British Columbia, Canada
EXHIBITORS

Take time while you are at the SPR meeting to visit the exhibit area in Room 2000A. Exhibitors contribute financial support to the SPR meeting and we ask that you take a few minutes to spend time in the exhibit area looking at the products, services, and equipment offered by the companies represented. Thank you!

Open Exhibit Hours

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday, Oct 3</td>
<td>7:00 p.m.–9:00 p.m.</td>
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<td>Thursday, Oct 4</td>
<td>10:00 a.m.–8:10 p.m.</td>
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<tr>
<td>Friday, Oct 5</td>
<td>10:00 a.m.–8:00 p.m.</td>
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Sneak Peek at Early Exhibitors

Brain Products
www.brainproducts.com

Compumedics Neuroscan
www.neuromedicalsupplies.com

Philips Neuro (formerly EGI)
egi.com

Thought Technology
www.thoughttechnology.com
MEETING ROOM FLOOR PLAN

All sessions will be held at the Quebec City Convention Centre unless specifically noted in the program.

Québec City Convention Centre
Second Floor
Pre-Conference Workshop #1

MINI ERP BOOT CAMP
Emily S. Kappenman
San Diego State University

Event-related potentials (ERPs) are one of the most commonly used noninvasive measures of human brain activity. This workshop will provide a practical introduction to using ERPs to answer questions about sensory, cognitive, affective, and motor processes in basic science and clinical research. The goal of the workshop is to provide you with a sufficiently detailed overview so that you can fully understand and evaluate published ERP studies and start on the road to conducting your own ERP studies. It is designed for beginning and intermediate ERP researchers—at any career stage—who would like to obtain a firm grasp of the fundamentals of ERP research.

Workshop Topics:
• What are ERPs?
• Neural Origins of ERPs
• Advantages of the ERP Technique
• EEG Data Acquisition
• Common ERP Components
• Design and Interpretation of ERP Experiments

Overview of Basic Analysis Steps
Pre-Conference Workshop #1

MINI ERP BOOT CAMP (Continued)

9:00 a.m.–4:30 p.m.
Room 206A

Pre-Conference Workshop #2

MULTILEVEL MODELING
Elizabeth Page-Gould
University of Toronto

Multilevel modeling (MLM) is a statistical analysis used to analyze datasets where cases are not independent (e.g., repeated measures), as is commonly the format in which psychophysiological data are recorded. Moreover, MLM is a flexible analysis that can be learned once and readily adapted to most psychophysiological designs. Especially for psychophysiologists who are used to working with Within-Subjects ANOVA, MLM offers an improved method for harnessing the statistical power of within subjects designs and can easily incorporate continuous predictors.

This workshop will provide a practical introduction to MLM for psychophysiologists, including advanced topics like growth curves, non-Gaussian data, cross-classified models, mediation, moderation, and the calculation of effect sizes. Workshop materials will include example data and syntax for SPSS, R, and SAS. The goal is for you to leave the workshop with the conceptual and pragmatic knowledge you need to immediately begin analyzing psychophysiological data with MLM.

Outline of Workshop:
• Introduction
• Background Concepts
• MLM Theory
• Conducting an MLM Analysis Step-By-Step
• Reporting MLM Results
• Advanced Applications
  • Effect Size and Power with MLM
  • Moderation in MLM
  • Multilevel Mediation
  • N-level Models
22 2018 Program Schedule–Wednesday

- Nested Growth Curves
- Generalized MLM Models
- Poisson MLM
- Logistic MLM
- Bootstrapping MLM Models
- Cross-classified Models
- Conclusion and Recommendations

9:00 a.m.–4:30 p.m.
Room 204B

Pre-Conference Workshop #3

MACHINE LEARNING FOR NEUROIMAGING DATA: BUILDING AND USING PREDICTIVE MODELS
Leila Wehbe
Carnegie Mellon University

Neuroimaging methods such as fMRI, MEG, or EEG are useful for studying brain function non-invasively. Recently, they have been increasingly used in conjunction with complex stimuli such as natural images, video, speech, or texts. We will cover in this workshop the encoding and decoding approaches that are commonly used to analyze the brain activity evoked by complex stimuli. Encoding models are predictive models that learn the relationship between stimulus properties and brain activity, whereas decoding refers to identifying the stimulus from brain activity. Through this workshop, you will learn how to build feature spaces that describe different types of stimulus properties, and how to use these feature spaces to fit an encoding model that predicts brain activity. You will also learn how to use this encoding model to build a brain decoder. The goal of the workshop is to teach you the entire pipeline of building encoding models and how to use these models to make inferences about what is being represented in different brain areas. We will focus on experiments that study language representations, but the methodology is easily generalizable to other cognitive modalities.

Outline of Workshop:
- Introduction to Different Imaging Modalities and Neuroimaging Paradigms
- Feature Space Representations and How to Build Them
2018 Program Schedule—Wednesday

- Modeling Brain Activity: fMRI Example
- Hands-on Session: Exploring Dataset
- Hands-on Session: Building a Feature Space
- Hands-on Session: Fitting Model and Predicting Results
- Extensions of the Pipeline: Different Predictive Functions
- Hands-on Session: Decoding Brain Activity
- Conclusion: Interpreting Results and Limitations

12:00 noon–5:00 p.m.
Plaines, Hilton Hotel (23rd Floor)

Board of Directors Meeting

2:30 p.m.–7:30 p.m.
2000A Foyer

Registration

5:00 p.m.–7:00 p.m.
Room 205C

Special Symposium

OPEN SCIENCE: FROM PRE-REGISTRATION TO REPLICATION TO DATA SHARING

Session Chairs: Jesse T. Kaye1 & Anna Weinberg2
1University of Wisconsin, Madison and William S. Middleton Memorial Veterans Hospital, 2McGill University

Discussant: Michael Inzlicht
University of Toronto

Panelists:
Emily S. Kappenman1, Andreas Keil2,
Michelle N. Meyer3, Michael Larson4,
Annmarie MacNamara5

1San Diego State University, 2University of Florida,
3Center for Translational Bioethics & Health Care Policy, Geisinger Health System, 4Brigham Young University, 5Texas A&M University

Psychological science is in the midst of a period of renewed focus on issues of replicability, rigor,
and openness. Significant concerns regarding the reproducibility, reliability, and robustness of research have led to ongoing debates on ways to improve research practices. The field is tackling issues that span an incredibly wide array of research topics including methodological issues (e.g., measurement unreliability, small sample sizes, power, researcher degrees of freedom), analytic strategies (e.g., NHST, p-hacking, significance thresholds), transparency (e.g., data sharing, pre-registration, open-access), publication practices (e.g., publication bias, peer review, file drawers, registered-reports, badges), and career incentives (e.g., early career implications, critical discourse). Improving replicability and open science are complex issues that require critical debate to push the field forward -- and replication of psychophysiological findings comes with its own set of challenges. This symposium will feature a panel discussion of psychophysiologists engaged in diverse activities aimed at these broad goals. Panelists will engage in conversation and questions with the membership of SPR to consider the tremendous challenges as well as opportunities that come with efforts to continue to build a stronger science.

5:00 p.m.–8:00 p.m.
Room 2101

Speaker Ready Room

7:00 p.m.–9:00 p.m.
Room 2000A

Opening Reception, Exhibits Open, and Poster Sessions I and IA
Thursday, October 4, 2018

7:00 a.m.–6:00 p.m.
Room 2101

Speaker Ready Room

7:30 a.m.–6:30 p.m.
Room 2000A Foyer

Registration

8:00 a.m.–9:15 a.m.
Room 207

Chairs of Membership Enhancement Committees

8:30 a.m.–10:00 a.m.
Room 204B

Symposium 1.1

PSYCHOPHYSIOLOGY AND WOMEN’S HEALTH: INSIGHTS ON COGNITIVE AND EMOTIONAL HEALTH ACROSS CONTEXTS
Session Chair: Jason Moser
Michigan State University

ERROR MONITORING BRAIN ACTIVITY AS A MARKER OF ANXIETY RELATED COGNITIVE DYSFUNCTION IN WOMEN: THE ROLE OF OVARIAN HORMONES
Jason Moser
Michigan State University

THE MIDDLE-AGED BRAIN: BIOLOGICAL SEX AND SEX HORMONES SHAPE MEMORY CIRCUITRY
Emily G. Jacobs
University of California, Santa Barbara

IMPROVING COGNITIVE AND EMOTIONAL HEALTH IN WOMEN WITH BREAST CANCER
Nazanin Derakshan
Birbeck College, University of London
PRELIMINARY DATA OF PREDICTORS OF WOUND HEALING AND ADAPTATION FOLLOWING POST-MASTECTOMY BREAST RECONSTRUCTION
Elizabeth Grunfeld
Birbeck College, University of London

8:30 a.m.–10:00 a.m.
Room 206B

Symposium 1.2

TOWARD A UNIFIED UNDERSTANDING OF ERROR MONITORING AND POST-ERROR EFFECTS: EVIDENCE FROM ADVANCED ANALYSES OF EEG, FMRI, AND PUPILLOMETRY
Session Chair: Nathan A. Fox
University of Maryland

COMPLEX RELATIONS BETWEEN PERFORMANCE MONITORING AND SUBSEQUENT CONTROL IN KIDS AND ADULTS: EFFECTS OF CONFIDENCE, SOCIAL FACTORS, AND TEMPERAMENT
George A. Buzzell
University of Maryland

THE IMPACT OF POST-ERROR ADJUSTMENTS ON EPISODIC MEMORY IN HEALTHY AND DEPRESSED ADULTS
Daniel G. Dillon
McLean Hospital, Harvard Medical School

AN ADAPTIVE PERSPECTIVE OF ERROR PROCESSING AND ITS IMPAIRMENTS IN OLDER AGE
Jan Wessel
University of Iowa

ADAPTIVE POST-ERROR ADJUSTMENTS OF ATTENTION AND BEHAVIOR
Marco Steinhäuser
Catholic University of Eichstädt-Ingolstadt

THETA AND DELTA DYNAMICS UNDERLYING ERPS IN PERFORMANCE AND FEEDBACK TASKS
Edward Bernat
University of Maryland
Symposium 1.3

BODY AND BRAIN IN ACTION: NEW PERSPECTIVES ON THE PSYCHOPHYSIOLOGY OF MOTIVATION
Session Chair: Guido H.E. Gendolla
University of Geneva

CAN POSITIVE AFFECTS CAUSE WITHDRAWAL MOTIVATION? EVIDENCE FROM FRONTAL ASYMMETRY
Lauren B. Neal
University of Alabama, Tuscaloosa

SUPINE BODY POSTURE REDUCES MOTIVATIONAL CONFLICT
Eddie Harmon-Jones
University of New South Wales

IMPLICIT AFFECT AND EFFORT-RELATED CARDIAC RESPONSE: BOUNDARY CONDITIONS OF EFFORT AUTOMATICITY
Guido H.E. Gendolla
University of Geneva

MOTIVATION MODERATES THE IMPACT OF AGING STEREOTYPES ON EFFORT-RELATED CARDIOVASCULAR RESPONSES IN OLDER ADULTS
Thomas M. Hess
North Carolina State University

Symposium 1.4

AFFECTIVE FACE PROCESSING: RELATIONS WITH DISPOSITIONAL TRAITS AND CLINICAL SYMPTOMS
Session Chair: Emily R. Perkins
Florida State University

FACIAL MIMICRY AS A TRAIT
Ursula Hess
Humboldt-Universität zu Berlin
COMMON DIMENSIONS OF PEDIATRIC PSYCHOPATHOLOGY ARE ASSOCIATED WITH DIFFERENT AMYGDALA CONNECTIVITY DURING FACE-EMOTION PROCESSING  
Joel Stoddard  
*University of Colorado*

INDIVIDUAL DIFFERENCES IN EARLY VISUAL ERPS TO EMOTIONAL FACES: BIOMARKERS FOR THE DEVELOPMENT OF AFFECTIVE PSYCHOPATHOLOGY?  
Michelle K. Jetha  
*Cape Breton University*

DISENTANGLING ANTISOCIAL PREDISPOSITIONS USING NEURAL RESPONSES TO AFFECTIVE FACES  
Emily R. Perkins  
*Florida State University*

10:00 a.m.–8:10 p.m.  
Room 2000A

**Exhibits Open**

10:00 a.m.–10:30 a.m.  
Room 2000A

**Refreshment Break**

10:30 a.m.–10:45 a.m.  
Room 2000C

**Welcome Remarks**  
Kara D. Federmeier  
*SPR President*

10:45 a.m.–11:45 a.m.  
Room 2000C

**Invited Address**

NEUROBIOLOGY OF INFANT ATTACHMENT: WHY DO THE ABUSED ATTACH?  
Regina Sullivan, PhD  
Professor, Child and Adolescent Psychiatry, Nathan Kline Institute, Department of Child and Adolescent Psychiatry, New York University Langone Medical Center  
Introduction: Carien van Reekum, University of Reading
11:45 a.m.–1:00 p.m.

Lunch Break (On Your Own)

11:45 a.m.–1:00 p.m.
Room 2000D

EDUCATION AND TRAINING COMMITTEE
ROUNDTABLE DISCUSSIONS
(Registration fee: $10; Pre-registration required)

The format of this discussion session for each topic is a round table with 10 people seated, including the speakers. It is a small group opportunity to talk about the issues important to you. Lunch is included. Take this time to discuss your questions with experts in the field. Registration will be available on a first-come, first-served basis.

Roundtable #1: Teaching Psychophysiology
Cindy Bukach, University of Richmond and Jane Couperus, Hampshire College

Roundtable #2: Rigor and Reproducibility
Michael Larson, Brigham Young University and Andreas Keil, University of Florida

Roundtable #3: Developmental Psychophysiology
Rebecca Brooker, Texas A&M University and Sid Segalowitz, Brock University

Roundtable #4: Integrating Data Across Levels of Analysis
Phil Gable, University of Alabama and Bruce Friedman, Virginia Tech

Roundtable #5: Psychophysiology Methods
Ed Bernat, University of Maryland and Liz Page-Gould, University of Toronto

Roundtable #6: Neural Signatures of Mental Illness
Lisa McTeague, Medical University of South Carolina and Gregory A. Miller, University of California, Los Angeles

11:45 a.m.–1:00 p.m.
Room 207

Psychophysiology Board of Associate Editors Meeting
11:45 a.m.–1:00 p.m.  
Meet in the Quebec City Convention Centre Lobby

**Committee on Women in Psychophysiology**

11:45 a.m.–1:00 p.m.  
Meet in the Quebec City Convention Centre Lobby

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1:00 p.m.–2:30 p.m.  
Room 204B

**Symposium 2.1**

**FACES OF THE FUTURE FLASH TALKS**  
Session Chair: Bruce D. Bartholow  
*University of Missouri*  
Brief presentations at six minutes each.

**CONTEXT-CONTROL LEARNING STUDIES PLACE CAUDATE IN EXECUTIVE CLUB**  
Yu-Chin Chiu  
*Purdue University*

**INTRA-INDIVIDUAL VARIABILITY IN CONTEXT PROCESSING IN SENTENCE COMPREHENSION**  
Brennan Payne  
*The University of Utah*

**PUPILLOMETRY: TOWARD A PSYCHOPHYSIOLOGICAL INDEX OF COGNITIVE EFFORT**  
Kevin da Silva Castanheira  
*McGill University*

**EMPATHY FOR WHOM? AN ERP INVESTIGATION OF EMPATHY CHOICE**  
Amanda Ferguson  
*University of Toronto, Scarborough*

**THE REWARD POSITIVITY: A CANDIDATE BIOMARKER FOR EARLY STAGE PARKINSON’S DISEASE**  
Darin Brown  
*University of New Mexico*
CUMULATIVE LIFETIME STRESS EXPOSURE IS ASSOCIATED WITH AN ENHANCED ERROR-RELATED NEGATIVITY (ERN) IN YOUNG ADULTHOOD
Julia Banica
McGill University

ETHNIC DIFFERENCES IN CARDIAC AUTONOMIC ACTIVITY: A FOCUS ON IMPEDANCE CARDIOGRAPHY
DeWayne P. Williams
The Ohio State University

TELEHEALTH-BASED ASSESSMENT OF SUSTAINED ATTENTION IN INFANTS AT HIGH RISK FOR AUTISM
Bridgette Tonnsen
Purdue University

RISKY OR RATIONAL? ALCOHOL INCREASES THE SUBJECTIVE VALUE OF UNCERTAIN REWARDS IN A REWARD DECISION-MAKING TASK
Sarah Sant'Ana
University of Wisconsin, Madison

AGING AND DOPAMINE MODULATE FEEDBACK RELATED THETA POWER
Adrian Fischer
Freie Universität Berlin

LATERAL PREFRONTAL CONTRIBUTIONS TO THE PERVERSIVENESS OF AFFECT AND EMOTIONAL STYLE: ORGANIZATION AND CAUSAL MECHANISMS
Regina Lapate
University of California, Berkeley

1:00 p.m.–2:30 p.m.
Room 206B

Panel Discussion 2.2

OPTIMIZING PSYCHOPHYSIOLOGICAL MEASURES FOR THE STUDY OF INDIVIDUAL DIFFERENCES
Session Chair: Annmarie MacNamara
Texas A&M University
INDIVIDUAL DIFFERENCES NEUROSCIENCE: FROM WITHIN- TO BETWEEN-SUBJECTS DIFFERENCES IN PREDICTING PSYCHOPATHOLOGY
Greg Hajcak
Florida State University

THE GOLDILOCKS PRINCIPLES OF RELIABILITY: TRADE-OFFS BETWEEN LARGE AND SMALL GRANULARITY IN FUNCTIONAL CONNECTIVITY MRI ANALYSES
Angus MacDonald
University of Minnesota

ADVANCEMENTS TOWARD INDIVIDUALIZED MEDICINE WITH MACHINE LEARNING CLASSIFIERS IN NEUROSCIENCE
Vaughn R. Steele
National Institute on Drug Abuse

THE USE OF DIFFERENCES VS. RESIDUALS IN INDIVIDUAL DIFFERENCES RESEARCH: KEY CLARIFICATIONS REGARDING RELIABILITY AND SOURCES OF VARIANCE
John J. Curtin
University of Wisconsin

THREE APPROACHES TO IMPROVING ELECTROCORTICAL MEASURES FOR THE STUDY OF INDIVIDUAL DIFFERENCES
Annmarie MacNamara
Texas A&M University

1:00 p.m.–2:30 p.m.
Room 205C

**Symposium 2.3**

UNDERSTANDING THE ROLE OF ATTENTION AND MEMORY AT THE COCKTAIL PARTY
Session Chairs: Claude Alain¹ & Kimmo Alho²
¹Rotman Research Institute, ²University of Helsinki
DEVELOPMENT, INDIVIDUAL VARIABILITY, AND MALLEABILITY OF SELECTIVE ATTENTION IN YOUNG CHILDREN FROM LOWER SES BACKGROUNDS
Amanda H. Wray
Michigan State University

EFFECTS OF AUDITORY AND VISUAL QUALITY OF SELECTIVELY ATTENDED SPEECH ON BRAIN ACTIVITY
Kimmo Alho
University of Helsinki

NEURAL REPRESENTATIONS OF COCKTAIL PARTY SPEECH IN HUMAN AUDITORY CORTEX
Jonathan Z. Simon
University of Maryland

ORIENTING ATTENTION TO SPEECH REPRESENTATION IMPROVES WORD IN NOISE IDENTIFICATION
Claude Alain
Rotman Research Institute

1:00 p.m.–2:30 p.m.
Room 202

Symposium 2.4

NEW ADVANCES IN THE STUDY OF APPROACH AND AVOIDANCE IN THE PERIPHERAL NERVOUS SYSTEM
Session Chairs: Erika H. Siegel¹ & Jolie B. Wormwood²
¹University of California, San Francisco,
²Northeastern University

ALWAYS LOOK ON THE BRIGHT SIDE OF LIFE: AN INVESTIGATION OF OPTIMISM AND SOCIAL EVALUATIVE THREAT
Erika H. Siegel
University of California, San Francisco
WHEN IS HAVING HIGH POWER A THREAT?
HIERARCHY SECURITY, POWER CONSTRUAL,
AND CARDIOVASCULAR INDICES OF
CHALLENGE AND THREAT
Daan Schechpers
Leiden University

A DATA-DRIVEN INVESTIGATION OF PERIPHERAL
PHYSIOLOGICAL ACTIVITY DURING MOTIVATED
PERFORMANCE
Jolie B. Wormwood
Northeastern University

TESTOSTERONE’S CAUSAL EFFECTS ON
APPROACH/AVOIDANCE IN A COMPETITION
DEPEND ON BASAL CORTISOL LEVELS AND
OPPONENT GENDER
Erik L. Knight
Pennsylvania State University

2:30 p.m.–3:00 p.m.
Room 2000A

Refreshment Break

3:00 p.m.–4:30 p.m.
Room 206B

Symposium 3.1

BRAIN WAVES MEET REAL LIFE: RECENT
ADVANCES IN MOBILE EEG
Session Chairs: Kyle E. Mathewson\(^1\) &
Olav E. Krigolson\(^2\)
\(^1\)University of Alberta, \(^2\)University of Victoria

OUT AND ABOUT WITH SMARTPHONE EEG:
SUBSEQUENT MEMORY EFFECT IN A NATURAL
ENVIRONMENT
Maria Pineyro Salvidegoitia
University of Oldenburg

GLOBAL BEHAVIORAL STATES MODULATE
VISUAL RESPONSES AND SENSORY CODING IN
HUMAN CORTEX
Barry Giesbrecht
University of California, Santa Barbara
MODULATIONS IN BASELINE OSCILLATIONS AND AUDITORY ERPS AS A FUNCTION OF REAL-WORLD ENVIRONMENTAL NOISE
Joanna E.M. Scanlon
University of Alberta

CHARACTERIZING POPULATION-LEVEL EEG DYNAMICS THROUGHOUT ADULTHOOD USING CONSUMER DATA FROM A PORTABLE EEG SYSTEM
Ali Hashemi
McMaster University

USING MOBILE EEG TECHNOLOGY TO ASSESS PHYSICIAN FATIGUE
Olav E. Krigolson
University of Victoria

3:00 p.m.–4:30 p.m.
Room 204B

Symposium 3.2

MECHANISMS AND REPRESENTATIONS IN VISUAL SELECTIVE ATTENTION, PERCEPTION, AND WORKING MEMORY
Session Chairs: Pierre Jolicoeur¹ & Andreas Keil²
¹Université de Montréal, ²University of Florida

SELECTING OBJECTS IN WORKING MEMORY, ONE AT A TIME
Andreas Keil
University of Florida

MECHANISMS OF ATTENTIONAL CONTROL IN SWITCHING FOVEAL AND PERIPHERAL FOCI: EVIDENCE FROM ERPS AND PHASE SYNCHRONY
Pierre Jolicoeur
Université de Montréal

THE ROLE OF VISUAL WORKING MEMORY IN CONTROLLING ACCESS TO VISUAL LONG-TERM MEMORY STORAGE
Keisuke Fukuda
University of Toronto, Mississauga
SIMULTANEOUS REPRESENTATION OF SENSORY AND MNEMONIC INFORMATION IN HUMAN VISUAL CORTEX
Rosanne L. Rademaker
University of California, San Diego

3:00 p.m.–4:30 p.m.
Room 202

Symposium 3.3

MULTI-METHOD APPROACHES INCORPORATING PSYCHOPHYSIOLOGICAL INDICES OF EMOTIONAL PROCESSING AND REGULATION ACROSS DEVELOPMENT: LINKS WITH PSYCHOPATHOLOGY AND REAL-WORLD EMOTIONAL FUNCTIONING
Session Chair: Lauren M. Bylsma
University of Pittsburgh
Discussant: Cecile D. Ladouceur
University of Pittsburgh

CHILDREN’S VISUOCORTICAL PROCESSING OF EMOTIONAL FACIAL EXPRESSIONS AND UNDERLYING PHYSIOLOGICAL REACTIVITY DURING PARENT-CHILD INTERACTION
Mary L. Woody
University of Pittsburgh

NEURAL INDICES OF EMOTION PROCESSING AND ASSOCIATIONS WITH DAILY LIFE EMOTIONAL FUNCTIONING IN ADOLESCENTS AT HIGH AND LOW FAMILIAL RISK FOR DEPRESSION
Lauren M. Bylsma
University of Pittsburgh

ERROR-RELATED NEGATIVITY IS ASSOCIATED WITH ALTERED REGULATION OF DAILY LIFE NEGATIVE AFFECT IN ANXIOUS YOUTH
Patricia Tan
University of California, Los Angeles

RESPIRATORY SINUS ARRHYTHMIA AND SLEEP PATTERNS IN DEPRESSION RISK AMONG EMERGING ADULTS
Jessica L. Hamilton
University of Pittsburgh
Symposium 3.4

MORE THAN JUST A FEELING: PAIN’S IMPACT ON BEHAVIOR AND SOCIAL COMMUNICATION
Session Chairs: Mathieu Roy¹ & Philip Jackson²
¹McGill University, ²Université Laval

USING VIRTUAL REALITY TO ASSESS PAIN-RELATED ALTERATIONS IN BODY AND MOVEMENT PERCEPTION
Catherine Mercier
Université Laval

IMPACT OF PAIN ON LEARNING AND DECISION MAKING
Mathieu Roy
McGill University

BRAIN REGULATION OF PAIN COMMUNICATION: ENCODING, DECODING, AND TRANSACTION
Pierre Rainville
Université de Montréal

HOW REPEATED EXPOSURE TO OTHER PEOPLE’S PAIN AFFECTS EMPATHY AND ITS CEREBRAL CORRELATES
Philip Jackson
Université Laval

SOCIAL COMPARISON IN THE BRAIN: PAINFUL AND REWARDING EXPERIENCES
Sébastien Hétu
Université de Montréal
Symposium 4.1

ON GIVING MORE LIGHT THAN HEAT: THE LIFE AND CONTRIBUTIONS OF JOHN T. CACIOPPO (1951-2018)

Session Chair: Catherine J. Norris
Swarthmore College
Participants (alphabetical):
Bruce D. Bartholow
Gary G. Berntson (in absentia)
Jos Bosch
Mary Burleson
Louise C. Hawkley (in absentia)
Tiffany A. Ito
Jeff T. Larsen (in absentia)
Greg J. Norman
Catherine J. Norris
Karen S. Quigley
Louis G. Tassinary
Eric Vanman

1University of Missouri, Columbia, 2The Ohio State University, 3University of Amsterdam, 4Arizona State University, 5NORC at the University of Chicago,
6University of Colorado, Boulder; 7University of Tennessee, 8University of Chicago, 9Swarthmore College, 10Northeastern University and Edith Nourse Rogers Memorial VA Hospital, 11Texas A&M University, 12University of Queensland

Symposium 4.2

IS THE FREQUENCY-FOLLOWING RESPONSE (FFR) AN INDEX OF SUBCORTICAL AUDITORY COGNITION?

Session Chairs: Carles Escera & Emily B.J. Coffey
1University of Barcelona, 2Eberhard Karls Universität Tübingen

Discussant: Claude Alain
University of Toronto
RELATIVE CONTRIBUTIONS OF AUDITORY NERVE, BRAINSTEM, AND CORTICAL GENERATORS TO THE AUDITORY FREQUENCY FOLLOWING RESPONSE REVEALED BY EEG
Gavin M. Bidelman
University of Memphis

DISENTANGLING THE GENERATOR STRUCTURE OF THE FREQUENCY-FOLLOWING RESPONSE TO SOUNDS OF DIFFERENT FREQUENCIES WITH MEG
Natàlia Gorina-Careta
University of Barcelona

MONKEYS SHARE THE NEUROPHYSIOLOGICAL BASIS FOR ENCODING SOUND PERIODICITIES CAPTURED BY THE FREQUENCY-FOLLOWING RESPONSE WITH HUMANS
Yaneri A. Ayala
Universidad Nacional Autónoma de México

EXPLORING THE OSCILLATORY NATURE OF THE FREQUENCY-FOLLOWING RESPONSE (FFR) WITH MEG
Emily B.J. Coffey
Eberhard Karls Universität Tübingen

NEURAL PROCESSING OF SOUND IN BILINGUALS
Erika Skoe
University of Connecticut

4:40 p.m.–6:10 p.m.
Room 206B

Symposium 4.3

AROUSAL-MEDIATED ENHANCEMENT OF EMOTIONAL CUE PROCESSING
Session Chairs: Nadia Haddara & Vladimir Miskovic
Binghamton University

Discussant: Vladimir Miskovic
Binghamton University
LONG-LASTING EFFECTS OF STRESS ON ASSOCIATIVE LEARNING
Marta Andreatta
University of Würzburg

SENSORY PROCESSING AND THE ANTICIPATION OF THREAT: DOES THREAT MODALITY MATTER?
Matthias J. Wieser
Erasmus University Rotterdam

DECISION MAKING UNDER THREAT: CENTRAL AND PERIPHERAL NERVOUS SYSTEM ACTIVATION TO REWARD REVERSAL
Florian Bublatzky
University of Heidelberg

EFFECTS OF TRANSCUTANEOUS VAGUS NERVE STIMULATION (TVNS) ON UNPLEASANT PICTURE PROCESSING AND LONG-TERM MEMORY
Mathias Weymar
University of Potsdam

DETERMINING THE EFFECTS OF ANTICIPATORY STRESS ON NEURAL AND BEHAVIORAL CORRELATES OF THREAT GENERALIZATION
Naddia Haddara
Binghamton University

6:10 p.m.–8:10 p.m.
Room 2000A

Poster Session II

8:30 p.m. (off-site)

Past Presidents Dinner
(meet in the lobby of the Quebec City Convention Centre at 8:15 p.m.)
Friday, October 5, 2018

7:00 a.m.–6:00 p.m.
Room 2101

Speaker Ready Room

7:30 a.m.–8:30 a.m.
Room 207

Archives Committee

8:30 a.m.–6:30 p.m.
Room 2000A Foyer

Registration

8:30 a.m.–10:30 a.m.
Room 206B

Symposium 5.1

ADVANCES IN UNDERSTANDING THE AGING BRAIN: MECHANISMS UNDERLYING CHANGES IN BOLD SIGNAL AND PERFORMANCE
Session Chairs: Monica Fabiani & Bart Rypma
1University of Illinois, Urbana-Champaign,
2University of Texas at Dallas

CEREBROVASCULAR CONTRIBUTIONS TO AGE-RELATED CHANGES IN BRAIN ANATOMY AND COGNITION
Monica Fabiani
University of Illinois, Urbana-Champaign

IMPAIRED NEUROVASCULAR COUPLING RESPONSES PREDICT COGNITIVE DYSFUNCTION AND DYSREGULATION OF GAIT COORDINATION IN PRECLINICAL MOUSE MODELS OF AGING
Stefano Tarantini
University of Oklahoma Health Sciences Center

VALIDATING VASCULAR REACTIVITY ACROSS HUMAN LIFE SPAN
Bharat Biswal
New Jersey Institute of Technology
DISSOCIATING NEURAL FROM VASCULAR EFFECTS OF AGING ON BOLD ACTIVITY AND CONNECTIVITY
Kamen A. Tsvetanov
University of Cambridge

A NEURAL-VASCULAR COMPLEX OF AGE-RELATED CHANGES IN THE HUMAN BRAIN
Bart Rypma
University of Texas at Dallas

8:30 a.m.–10:00 a.m.
Room 204B

Symposium 5.2

NEURAL CORRELATES OF PRE-AND POST-NATAL LEARNING
Session Chairs: Julia Hartkopf & Julia Moser
University of Tübingen

NEURAL CORRELATES OF RULE LEARNING IN FETUSES
Julia Moser, Julia Hartkopf, Franziska Schleger & Hubert Preißl
University of Tübingen

FUNCTIONAL IMAGING OF THE HUMAN BRAIN IN EARLY INFANCY
Mahdi Mahmoudzadeh
Université de Picardie

USING NEUROPHYSIOLOGICAL MEASURES TO INVESTIGATE ONLINE LEARNING IN NEWBORNS AND 3-MONTH-OLD INFANTS
Alexis N. Bosseler
University of Washington

NEURAL ENTRAINMENT TO TRANSITIONAL PROBABILITIES IN PRE-LINGUAL INFANTS
Dawoon Choi
University of British Columbia
Symposium 5.3

BEHAVIORAL DISINHIBITION AND MOTIVATIONAL FACTORS IN THE DEVELOPMENT AND MAINTENANCE OF ADDICTION: INSIGHTS INTO MECHANISMS USING PSYCHOPHYSIOLOGY

Session Chair: Scott J. Burwell
University of Minnesota, Twin Cities

Discussant: George Fein
Neurobehavioral Research Inc.

INHIBITORY CONTROL AND ETIOLOGICAL LINKS TO ADDICTIVE AND DISRUPTIVE DISORDERS: A CROSS-DOMAIN APPROACH

Noah C. Venables
University of Minnesota, Twin Cities

TRANSLATING THE INCENTIVE SENSITIZATION THEORY OF ADDICTION TO A HUMAN MODEL

Bruce D. Bartholow
University of Missouri

DRINKING WITH THE DEVIL YOU DON’T KNOW AND THE ONE YOU CAN’T CONTROL: ALCOHOL’S EFFECTS DURING UNCERTAIN AND UNCONTROLLABLE STRESSORS IN THE LABORATORY

Daniel E. Bradford
University of Wisconsin, Madison

FUNCTIONAL NEUROCIRCUITRY OF ADDICTION: TESTING FOR POSSIBLE CAUSAL EFFECTS OF SUBSTANCE USE WITHIN A CO-TWIN CONTROL FRAMEWORK

Scott J. Burwell
University of Minnesota, Twin Cities

Exhibits Open
10:00 a.m.–10:30 a.m.
Room 2000A

*Refreshment Break*

10:30 a.m.–11:30 a.m.
Room 2000C

*Invited Address*

**TOWARD A MECHANISTIC UNDERSTANDING OF TERRA INCOGNITA: THE HUMAN SUBCORTEX**
Birte Forstmann, PhD
Professor for Cognitive Neurosciences, University of Amsterdam
Introduction: Bruce D. Bartholow, University of Missouri, Columbia

11:30 a.m.–1:00 p.m.
Room 2000D

**WOMEN IN SCIENCE AND EDUCATION (WISE) AND DIVERSITY LUNCHEON: PROMOTING VISIBILITY OF #STEM WOMEN AND MINORITIES**
(Pre-registration required)

11:30 a.m.–1:00 p.m.
Meet in the Quebec City Convention Centre Lobby at 11:30 a.m.

*Education and Training Committee*

11:30 a.m.–1:00 p.m.
Meet in the Quebec City Convention Centre Lobby at 11:30 a.m.

*2019 Program Committee*

11:30 a.m.–1:00 p.m.

*Lunch Break (On Your Own)*
Symposium 6.1

ANTICIPATION IN MOTIVATIONAL CONTEXTS: INVOLVEMENT IN DISORDERS OF APPETITE AND AVERSION

Session Chairs: Menton M. Deweese\textsuperscript{1} & Christopher T. Sege\textsuperscript{2}

\textsuperscript{1}University of Texas MD Anderson Cancer Center, \textsuperscript{2}Medical University of South Carolina

Discussant: Margaret M. Bradley

University of Florida

EFFECT OF THE IMMINENT POSSIBILITY OF SMOKING ON BRAIN RESPONSES TO SMOKING RELATED STIMULI

Jeffrey M. Engelmann

Medical College of Wisconsin

LARGER LATE POSITIVE POTENTIAL RESPONSES TO FOOD-RELATED CUES THAN TO HIGH-AROUSING PLEASANT IMAGES PREDICT CUE-INDUCED EATING

Menton M. Deweese

University of Texas MD Anderson Cancer Center

AVOIDANCE, ESCAPE, AND UNCONTROLLABLE THREAT CONTEXTS: INDIVIDUAL DIFFERENCES IN DEFENSE

Christopher T. Sege

Medical University of South Carolina

ANXIETY RISK AND THE ANTICIPATION OF PREDICTABLE AND UNPREDICTABLE THREAT IN ADOLESCENT GIRLS: EVIDENCE FROM THE STARTLE REFLEX AND EVENT-RELATED POTENTIALS

Brady D. Nelson

Stony Brook University
1:00 p.m.–2:30 p.m.
Room 206B

Symposium 6.2

EFFORT COSTS IN DECISION MAKING: INSIGHTS FROM BRAIN AND BEHAVIOR
Session Chairs: Akina Umemoto & Michael Inzlicht
University of Toronto

MENTAL EFFORT ON THE LONG RUN: THE CONCEPT OF EXECUTIVE FATIGUE
Mathias Pessiglione
Hôpital de la Pitié-Salpêtrière

ELECTROPHYSIOLOGICAL INDICES OF REWARD VALUATION AND COGNITIVE CONTROL ASSOCIATED WITH SELECTION AND MAINTENANCE OF EFFORT
Akina Umemoto
University of Toronto

NEUROCOMPUTATIONAL MECHANISM UNDERLYING EFFORT BASED BEHAVIOUR: THE KEY TO UNDERSTANDING AND BIASING DECISION MAKING
Eliana Vassena
Donders Institute for Brain, Cognition, and Behaviour

THE EFFORT PARADOX: EFFORT IS BOTH COSTLY AND VALUED
Michael Inzlicht
University of Toronto

1:00 p.m.–2:30 p.m.
Room 204B

Symposium 6.3

THE HEART OF EMOTION REGULATION: IMPLICATIONS OF CARDIAC MEASURES IN EMOTION REGULATION RESEARCH
Session Chair: Bruce H. Friedman
Virginia Tech

Discussant: John J.B. Allen
University of Arizona
ESCAPING THE FILE DRAWER: IS RESTING HEART RATE VARIABILITY ALWAYS USEFUL AS A BIOMARKER FOR SELF-REGULATION?
Jared J. McGinley
Towson University

PHYSIOLOGICAL CONSEQUENCES OF PERSEVERATIVE COGNITION: AN ECOLOGICAL STUDY IN MAJOR DEPRESSION AND SOCIAL ANXIETY DISORDER
Cristina Ottaviani
Sapienza University of Rome

CARDIAC VAGAL CONTROL IS ASSOCIATED WITH COGNITIVE MECHANISMS OF EMOTION REGULATION
Derek P. Spangler
Army Research Laboratory

COGNITIVE CONTROL AND EMOTIONAL REGULATION: A NEUROVISCERAL INTEGRATION PERSPECTIVE
Julian F. Thayer
The Ohio State University

1:00 p.m.–2:30 p.m.
Room 202

Symposium 6.4

HOW NEUROPSYCHOLOGICAL TOOLS MAY BE USEFUL IN THE PSYCHIATRIC CLINICAL SETTING
Session Chair: Salvatore Campanella
Université Libre de Bruxelles

ELECTROENCEPHALOGRAPHY IN PSYCHIATRY: FROM DIFFERENTIAL DIAGNOSIS TO TREATMENT AND PREDICTION
Oliver Pogarell
University of Munich

EMOTION REGULATION IN SCHIZOPHRENIA: A COMPARISON BETWEEN IMPLICIT (EEG AND fNIRS) AND EXPLICIT (VALENCE) MEASURES DURING A NEUROFEEDBACK TRAINING
Michela Balconi
Catholic University of Milan
DEVELOPMENT OF NEUROPHYSIOLOGICAL BIOMARKERS IN EMERGING PSYCHOSIS
Dean Salisbury
University of Pittsburgh School of Medicine

COULD THE EVOLUTION OF SPECIFIC ERP NEUROCOGNITIVE MARKERS DURING A DETOXIFICATION PROGRAM HELP TO PREDICT RELAPSE IN ALCOHOL DEPENDENT PATIENTS?
Salvatore Campanella
Université Libre de Bruxelles

ACCELERATED NEUROSTIMULATION PARADIGMS IN MAJOR DEPRESSION: INSIGHTS FROM BRAIN IMAGING
Chris Baeken
Vrije Universiteit of Brussels

2:30 p.m.–3:00 p.m.
Room 2000A

Refreshment Break

3:00 p.m.–4:30 p.m.
Room 205C

Symposium 7.1

DIATHESIS STRESS ACROSS THE LIFESPAN: MEASURING MARKERS OF RISK FOR PSYCHOPATHOLOGY FROM INFANCY TO ADULTHOOD
Session Chairs: Kaylin E. Hill¹ & Paige Ethridge²
¹Purdue University, ²McGill University

ALPHA ASYMMETRY IN MOTHER-INFANT DYADS: PHYSIOLOGICAL COHERENCE AND LINKS WITH THE NATURALISTIC FAMILY ENVIRONMENT
Kaylin E. Hill
Purdue University
PARENT-CHILD COREGULATION OF PARASYMPATHETIC PROCESSES VARIES BY RISK FOR PSYCHOPATHOLOGY AND SOCIAL CONTEXT
Amanda Skoranski
Pennsylvania State University

THE IMPACT OF PARENTAL PRESENCE ON THE ERROR-RELATED NEGATIVITY IN YOUNG CHILDREN
Alexandria Meyer
Florida State University

ASSOCIATIONS BETWEEN PARENTAL CONTROL, THREAT-RELATED AMYGDALA ACTIVITY, AND FUTURE DEPRESSIVE SYMPTOMS
Madeline J. Farber
Duke University

STRESS, REWARD, AND RISK FOR DEPRESSION ACROSS DEVELOPMENT
Paige Ethridge
McGill University

3:00 p.m.–4:30 p.m.
Room 206B

Symposium 7.2

EARLY MODULATION OF THE PRIMARY VISUAL CORTEX BY ATTENTION OR EMOTION REVEALED USING ERP METHODS: CURRENT CHALLENGES AND NEW FINDINGS
Session Chair: Gilles R.C. Pourtois
Ghent University

Discussant: Heleen Slagter
University of Amsterdam

PREDICTIONS AND ATTENTION DO NOT MODULATE THE FIRST FEEDFORWARD SWEEP OF CORTICAL INFORMATION PROCESSING
Heleen Slagter
University of Amsterdam
EXTENSIVE AVERSIVE CONDITIONING CHANGES
THE AFFERENT GAIN OF PRIMARY VISUAL
CORTICAL POPULATION ACTIVITY
Andreas Keil
University of Florida

ASSOCIATED MOTIVATIONAL SALIENCE SHAPES
EARLY VISUAL CORTEX RESPONSES
Annekathrin Schacht
Göttingen University

TOP-DOWN ATTENTION MODULATION OF C1
COMPONENT
Gilles R.C. Pourtois
Ghent University

Friday 3:00 p.m.–4:30 p.m.
Room 204B

Symposium 7.3

INFLUENCES ON TYPICAL AND ATYPICAL
LANGUAGE DEVELOPMENT
Session Chair: Elyse S. Sussman
Albert Einstein College of Medicine

EARLY BRAIN TRAJECTORIES AND
Evolving Oscillations: Biomarker for
Developmental Disorders?
April A. Benasich
Rutgers University

Neural Response to Spoken Non-words
Predicts Early Language Skills and
Reading Readiness
Nicole Landi
University of Connecticut

Neural Processes Underlying the Time
Course of Phonological Development
in Monolingual and Bilingual Children
And Adults
Valerie L. Shafer
Graduate Center of the City University of New York
AUDITORY SCENE ANALYSIS IN ADOLESCENTS WITH AND WITHOUT LANGUAGE DISORDERS
Elyse S. Sussman
Albert Einstein College of Medicine

4:40 p.m.–5:40 p.m.
Room 2000C

Invited Address

NEURAL SIGNATURES OF RISK FOR MENTAL ILLNESS
Ahmad R. Hariri, PhD
Professor of Psychology and Neuroscience
Laboratory of NeuroGenetics (LoNG),
Duke University

Introduction: Anna Weinberg
McGill University

6:00 p.m.–8:00 p.m.
Room 2000A

Poster Session III

8:15 p.m.–9:45 p.m.
Sainte Foy (first floor), Hilton Hotel

Committee to Promote Student Interests

10:00 p.m.

Student Social
L'Atelier (624, Grande Allee Est; 418-522-2225)
All students are invited to attend!
Saturday, October 6, 2018

7:00 a.m.–11:00 a.m.
Room 2101

Speaker Ready Room

8:30 a.m.–12:30 p.m.
Room 2000A Foyer

Registration

8:30 a.m.–10:00 a.m.
Room 204B

Symposium 8.1

BROADENING THE TIME-COURSE OF ERP COMPONENTS IMPLICATED IN REWARD PROCESSING: IMPLICATIONS FOR EMOTION, COGNITION, AND PSYCHOPATHOLOGY
Session Chairs: Nicholas J. Kelley & James Glazer
Northwestern University

DISTINCT PROFILES OF REWARD-RELATED NEURAL ACTIVITY CHARACTERIZE REAPPRAISAL VERSUS SUPPRESSION EMOTION REGULATION TENDENCIES
Nicholas J. Kelley
Northwestern University

SHIFTS IN ATTENTIONAL SCOPE MODULATE REWARD-EVOKED ERPS
Ajay Nadig
National Institute of Mental Health

ANGER MAKES REVENGE SWEETER AND LOSSES MORE FRUSTRATING: INVESTIGATION OF THE REWP IN A NOVEL AGGRESSION PARADIGM
Hunter Threadgill
University of Alabama

DISTINCT AND OPPOSITE PROFILES OF REWARD-RELATED NEURAL ACTIVATION IN DEPRESSION AND MANIA
James Glazer
Northwestern University
INDIVIDUAL DIFFERENCES IN REWARD PROCESSING: DEPRESSION, IMPULSIVITY, AND MODERATING EFFECTS OF AGE AND GENDER
Keisha D. Novak
Purdue University

8:30 a.m.–10:00 a.m.
Room 205C

Symposium 8.2
THE POWER OF MIND: HOW HYPNOSIS AFFECTS PERCEPTION AND BEHAVIOR
Session Chair: Barbara Schmidt
University of Jena

DIFFERENTIAL MODULATION OF PAIN, SPINAL NOCICEPTIVE FLEXION REFLEX, AND EEG ACTIVITY BY HYPNOSIS, SUGGESTIONS, AND DISTRACTION
Pierre Rainville
Université de Montréal

YOU DON’T SEE, YOU DON’T FEEL, AND YOU DON’T HEAR IT ANYMORE: BLOCKING PERCEPTION WITH HYPNOTIC SUGGESTIONS
Barbara Schmidt
University of Jena

ATYPICAL FUNCTIONAL CONNECTIVITY AS A CHARACTERISTIC OF HIGH SUGGESTIBILITY
Devin B. Terhune
University of London

INVESTIGATING NEURONAL CORRELATES OF HYPNOSIS THAT IMPROVES SUBSEQUENT SLEEP
Mareike Hülsemann
University of Fribourg

PHASE COHERENCE OF EEG ACTIVITIES WITHIN THE FRONTO-PARIETAL NETWORK AND ERP AMPLITUDES DURING HYPNOSIS-INDUCED BLOCKADE OF VISION, PAIN, AND AUDITORY PROCESSING
Wolfgang H.R. Miltner
University of Jena
8:30 a.m.–10:00 a.m.
Room 206B

Symposium 8.3

CROSSING THE KNOWLEDGE TO PRACTICE DIVIDE: HEART RATE VARIABILITY IN THE ASSESSMENT AND TREATMENT OF PSYCHOPATHOLOGY

Session Chairs:
Julian Koenig¹ & Cristina Ottaviani²
¹University of Heidelberg, ²Sapienza University of Rome

Discussant: Julian F. Thayer
The Ohio State University

HEART RATE VARIABILITY AND PROBLEMATIC INTERNET USE: THE RELATIONSHIP BETWEEN CRAVING FOR INTERNET USAGE AND REDUCED AUTONOMIC FLEXIBILITY

Tania Moretta
University of Padova

THE ROLE OF VAGALLY-MEDIATED HEART RATE VARIABILITY IN ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD): CURRENT EVIDENCE AND FUTURE DIRECTIONS

Joshua A. Rash,
Memorial University of Newfoundland

HEART RATE VARIABILITY AND SELF-REPORTED EMOTION REGULATION DIFFICULTIES IN ADOLESCENTS WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER

Elisabet Kvadsheim
University of Bergen

DOES HEART RATE VARIABILITY MEASUREMENT HELP IN THE DIAGNOSIS AND TREATMENT OF DEPRESSION IN CARDIAC PATIENTS?

Simone Messerotti Benvenuti
University of Padua
BRAIN STRUCTURAL AND FUNCTIONAL CONNECTIVITY CONCOMITANTS OF HEART RATE VARIABILITY CHANGES DURING WORRY IN GENERALIZED ANXIETY DISORDER
Cristina Ottaviani
Sapienza University of Rome

8:30 a.m. -10:00 a.m.
Room 202

Symposium 8.4

DIVERSITY COMMITTEE AND WOMEN IN SCIENCE AND EDUCATION CO-SPONSORED SYMPOSIUM
Session Chairs: Michelle Shiota¹ & Rebecca Silton²
¹Arizona State University, ²Loyola University Chicago

10:00 a.m.–10:30 a.m.
Room 2000A

Refreshment Break

10:30 a.m.–11:00 a.m.
Room 2000C

Early Career Award Address

THE ERRING BRAIN: ERROR RELATED BRAIN ACTIVITY AS A RISK-MARKER FOR PSYCHOPATHOLOGY
Anja Riesel, PhD
Humboldt University

11:00 a.m.–11:30 a.m.
Room 2000C

Early Career Award Address

EEG AS A THEORETICAL AND METHODOLOGICAL HUB FOR THE NEURAL SCIENCES
James Cavanagh, PhD
University of New Mexico
11:30 a.m.–12:30 p.m.
Room 2000C

Presidential Address

WHEN WORDS ARE BINDING: PREDICTION AND ATTENTION IN LANGUAGE COMPREHENSION
Kara D. Federmeier
Professor, Department of Psychology, Program in Neuroscience, and the Beckman Institute for Advanced Science and Technology, University of Illinois, Urbana-Champaign

12:45 p.m.–2:45 p.m.
Port du Palais (first floor), Hilton Hotel

SPR Business Meeting and Luncheon (Ticket Required)

3:00 p.m.–7:00 p.m.

Free Time To Enjoy Quebec City

7:00 p.m.–9:00 p.m.
Room 2000A

Poster Session IV

9:00 p.m.–12:00 midnight
Room 2000C

Saturday Night Social Featuring the SPR Blues Band
Sunday, October 7, 2018

8:00 a.m.–10:30 a.m.
Beauport Room (2nd Floor), Hilton Hotel

_Farewell Breakfast_

9:00 a.m.–12:00 noon
Plaines, Hilton Hotel, 23rd Floor

_Board of Directors Meeting_
**POSTER SESSIONS**

Wednesday, October 3, 2018

**Poster Session 1**

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

**POSTER 1-001**

THE NEURAL BASIS OF FALSE-BELIEF PROCESSING ACROSS THE LIFESPAN: AN ERP STUDY

Elisabeth Bradford, Victoria Brunsdon & Heather Ferguson
University of Kent

**POSTER 1-002**

AGE-RELATED VARIATION IN FRONTAL WHITE-MATTER INTEGRITY MEDIATES VISUOSPATIAL FUNCTION IN NORMAL AGING

Chih-Mao Huang¹, Fan Yang-Teng¹, Fang Ya-Wen¹, Tzeng Ovid¹ & Huang Hsu-Wen²
¹National Chiao Tung University, ²City University of Hong Kong

**POSTER 1-003**

LIFESPAN DIFFERENCES IN EEG NETWORK COMPLEXITY AND MODULAR ORGANIZATION DURING REST AND AUDITORY ODDBALL PERFORMANCE

Viktor Müller & Ulman Lindenberger
Max Planck Institute for Human Development

**POSTER 1-004**

ATTENTION TO THREAT CUES IS NOT AT THE COST OF CONCURRENT FEATURE-BASED ATTENTIVE SELECTION

Maeve Boylan, Mia Kelly & Andreas Keil
University of Florida

**POSTER 1-005**

LEARNING TO ASSOCIATE REWARD VALUES WITH CUES

Constanza de Dios & Geoffrey Potts
University of South Florida
POSTER 1-006
THE EFFECT OF ACUTE EXERCISE ON PUPILLOMETRIC INDICES OF LOCUS-COERULEUS ACTIVATION IN COLLEGE-AGED YOUNG ADULTS
Amanda McGowan, Madison Chandler, Jan Brascamp & Matthew Pontifex
Michigan State University

POSTER 1-007
HEART RATE VARIABILITY DURING STRESS INDUCED COGNITIVE INHIBITION IN POST-STROKE APHASIA
Bijoyaa Mohapatra
New Mexico State University

POSTER 1-008
INTRA AND INTER-HEMISPHERIC PHASE SYNCHRONIZATION DURING VISUO-SPATIAL ATTENTION DEPLOYMENT AND RETENTION IN VISUAL WORK MEMORY
Anne Monnier¹, Jean-Marc Lina², Roberto Dell’Acqua³, Mattia Doro³, Lesley Wu⁴ & Pierre Jolicoeur⁵
¹Université de Montréal, CERNEC, ²École de Technologies Supérieures, CEAMS, Université McGill, CRMM, ³University of Padova, ⁴Université de Montréal, ⁵Université de Montréal, CERNEC, IUGM, BRAMS

POSTER 1-009
BEER: OVER HERE! EXAMINING ATTENTIONAL BIAS TOWARD ALCOHOL IN A VISUAL SEARCH EYE-TRACKING TASK
Charlotte Pennington¹, Adam Qureshi², Rebecca Monk² & Derek Heim²
¹University of the West of England, ²Edge Hill University

POSTER 1-010
DECODING SPATIAL AUDITORY ATTENTION USING ELECTROMYOGRAPHIC AURICULAR MUSCLE MONITORING
Farah Corona-Strauss¹, Steven Hackley², Ronny Hannemann³ & Daniel Strauss¹
¹Saarland University, ²University of Missouri, Columbia, ³Sivantos - Erlangen
POSTER 1-011
ON THE NATURE OF WAKEFULNESS: EXAMINING THE RELATIONSHIP BETWEEN SELF-REPORT AND ELECTROPHYSIOLOGICAL MARKERS OF AROUSAL IN LONG-TERM VAJRAYANA BUDDHIST MEDITATORS
Jeremy Viczko¹, Sidney Segalowitz² & Colette Smart¹
¹University of Victoria, ²Brock University

POSTER 1-012
INCREASED SENSITIVITY OF THE CARDIAC, VASCULAR, AND MYOCARDIAL BRANCHES OF THE BAROREFLEX IN CHRONIC HYPOTENSION
Gustavo Reyes del Paso¹, Casandra Montoro¹, Elisabeth Ruiz-Padial¹ & Stefan Dushek²
¹University of Jaén, ²University of Health Sciences Medical Informatics and Technology

POSTER 1-013
BRAINHACK: EVALUATING THE FEASIBILITY OF STEADY-STATE IMPersonATION ATTACKS ON BRAIN BIOMETRICS
Maria Ruiz-Blondet¹, Natalie Lista¹ & Sarah Laszlo²
¹Binghamton University, ²Google X

POSTER 1-014
ALTERING REWARD-SPECIFIC ELECTROPHYSIOLOGICAL SIGNALS IN HUMANS USING ROBOT-ASSISTED THETA-BURST TRANSCRANIAL MAGNETIC STIMULATION
Travis Baker¹ & Seema Parikh²
¹Rutgers University, ²NJIT

POSTER 1-015
SUSTAINED NEGATIVE SLOW WAVE AND MID-FRONTAL THETA OSCILLATIONS AS MEASURES OF ATTENTION AND COGNITIVE CONTROL DURING AUDITORY WORKING MEMORY (WM): DISSOCIATION OF IGNORE VS SUPPRESS VS REMEMBER TASKS
Jürgen Kayser¹,², Craig Tenke¹,², Lidia Wong¹, Lindsey Casal-Roscum¹, Jorge Alvarenga¹, Kenneth Hugdahl¹, John Jonides³ & Gerard Bruder¹,²
¹New York State Psychiatric Institute, ²Columbia University, ³University of Michigan
POSTER 1-016
PUPIL DILATION REFLECTS ERROR SIGNIFICANCE AND PREDICTS ADAPTIVE POST-ERROR ADJUSTMENTS OF BEHAVIOR ACCORDINGLY
Martin Maier, Benjamin Ernst & Marco Steinhauser
Catholic University of Eichstätt-Ingolstadt

POSTER 1-017
THE ASSOCIATION BETWEEN STRESS AND CONFLICT AND ERROR PROCESSING: ANALYZING THE ERN, PE, AND N2 IN THE TRIER SOCIAL STRESS TEST
Rebekah Rodeback, Isaac Hunt, Kaylie Carbine, Patrick Steffen & Michael Larson
Brigham Young University

POSTER 1-018
A COMBINED BIOMECHANICAL AND NEUROCOGNITIVE EXAMINATION FOR COGNITIVE WORKLOAD ASSESSMENT IN INDIVIDUALS WITH LOWER-LIMB LOSS DURING DUAL-TASK WALKING
Emma Shaw¹, Jeremy Rietschel², Brad Hendershot³, Alison Pruziner³, Erik Wolf³, Christopher Dearth³, Matthew Miller⁴, Bradley Hatfield¹ & Rodolphe Gentili¹
¹University of Maryland, ²Veteran’s Health Administration, ³DoD-VA Extremity Trauma and Amputation Center of Excellence, ⁴Auburn University

POSTER 1-019
LEARNING TO PUT THE BRAKES ON: ATTENTION CONTROL DIFFERENCES IN LONG-TERM PRACTITIONERS OF SOMATIC MEDITATION
Colette Smart¹ & Sidney Segalowitz²
¹University of Victoria, ²Brock University

POSTER 1-020
EXPECTATION VIOLATIONS ARE NOT EXPECTATION VIOLATIONS – NEURAL RESPONSES TO UNPREDICTED REWARD OMISSION AND UNPREDICTED PUNISHMENT DIFFER DURING A SIMPLE REVERSAL LEARNING TASK
Christopher Stolz & Erik Mueller
University of Marburg
POSTER 1-021
PRODUCTS WITH HIGH FREQUENCY OF CHOICE ELICIT ENHANCED NOGO-N2 COMPONENT IN GO/NOGO TASK
Koki Tsuji, Midori Shibata, Yuri Terasawa & Satoshi Umeda
Keio University

POSTER 1-022
THE EFFECTS OF ELECTRONIC CIGARETTE CONSUMPTION ON HIGH FREQUENCY HEART RATE VARIABILITY
Eric Wesner¹, Aniruddh Ajith¹, Maddison Taylor¹, Jessica Mickens¹, Spencer Fix¹, Debra Bernat² & Edward Bernat¹
¹University of Maryland, College Park, ²George Washington University

POSTER 1-023
HIGHER AEROBIC FITNESS IS ASSOCIATED WITH UPPER ALPHA EVENT-RELATED DESYNCHRONIZATION
Daniel Westfall¹, Shih-chun Kao¹, Eric Drollette², Lauren Raine¹, Arthur Kramer¹ & Charles Hillman¹
¹Northeastern University, ²The University of North Carolina, Greensboro

POSTER 1-024
EFFECT OF INTROCEPTIVE AND EXTROCEPTIVE ATTENTION ON THE DISSOCIATION OF THE ERN AND PE
Xiaoqian Yu, Emanuel Donchin & Geoffrey Potts
University of South Florida

POSTER 1-025
SOCIAL RISK SENSITIVITY IN DECISION MAKING IS LINKED TO SOCIAL NETWORK STRUCTURE AND INTER-BRAIN SIMILARITY
Nina Lauharatanahirun¹, Javier Garcia¹, Nick Wasylyshyn¹, Heather Roy¹, Matthew O’Donnell², Nicole Cooper², Alexandra Paul², Robert Fernandez², Tony Johnson³, Jason Metcalfe¹, Emily Falk² & Jean Vettel¹
¹U.S. Army Research Laboratory, ²University of Pennsylvania, ³DCS Corporation
POSTER 1-026
THE MEDIATING EFFECT OF SELF-REPORTED EMOTION REGULATION DIFFICULTIES ON THE RELATIONSHIP BETWEEN VAGALLY-MEDIATED HEART RATE VARIABILITY AND TRAIT ANXIETY
Briana Brownlow¹, Gina Gerado¹, Nicole Feeling¹, Graham Cooper¹, Derek Spangler², Julian Koenig³, Michael Vasey¹, Julian Thayer¹ & DeWayne Williams¹
¹The Ohio State University, ²U.S. Army Research Laboratory, ³University of Heidelberg

POSTER 1-027
EMOTIONAL CONTEXT’S IMPACT ON PERCEIVING NEUTRAL FACIAL EXPRESSIONS
Mariia Chernykh & Igor Zyma
Taras Shevchenko National University of Kyiv

POSTER 1-028
DEFICITS IN DEFENSIVE MOTIVATION AND EMOTION REGULATION: A PATHOLOGICAL BIOMARKER OF RISK FOR DEPRESSION?
Nieves Fuentes-Sánchez, Miguel Escrig, Irene Jaen & M. Pastor
Universitat Jaume I - MPAGER

POSTER 1-029
RECOVERY FROM STRESS IN LONG-TERM MEDITATION PRACTITIONERS AND MATCHED CONTROLS: MEDIATIVE ROLE OF COGNITIVE EMOTION REGULATION STRATEGIES
Liudmila Gamaiunova¹, Matthias Kliegel² & Pierre-Yves Brandt¹
¹University of Lausanne, ²University of Geneva

POSTER 1-030
EMOTIONAL GRANULARITY FOR NEGATIVE, HIGH AROUSAL EMOTIONS PREDICTS RESPIRATORY SINUS ARRHYTHMIA REACTIVITY DURING STRESS
Katie Hoemann, Jolie Wormwood, Lisa Feldman Barrett & Karen Quigley
Northeastern University
POSTER 1-031
ASSOCIATION BETWEEN CHRONIC NON-MEDICAL PRESCRIPTION OPIOID USE AND VAGALLY MEDIATED HEART RATE VARIABILITY DURING SOCIAL REJECTION
Sara Kroll1, DeWayne Williams2, Martina Thoma1, Matthias Staib1, Markus Baumgartner1, Julian Thayer2 & Boris Quednow1
1University of Zurich, 2Ohio State University

POSTER 1-032
ILLNESS-RELATED IMAGERY UNDER THE INFLUENCE OF ATTENTION TO SOMATIC SENSATIONS: WE ALL RESPOND THE SAME, REGARDLESS OF ILLNESS ANXIETY LEVELS
Chrysanthi Leonidou & Georgia Panayiotou
University of Cyprus

POSTER 1-033
PHYSIOLOGICAL RESPONSES AND EXPLICIT EVALUATIONS DISSOCIATE IN PERSONS WITH LOWER BACK PAIN WITH AND WITHOUT FEAR OF BENDING
J.P. Caneiro1, Peter O’Sullivan1, Anne Smith1, Lorimer Moseley2 & Ottmar Lipp1
1Curtin University, 2University of South Australia

POSTER 1-034
EMOTIONAL MODULATION OF PICTURE-, FACE- AND WORD-EVOKED ERPS FOLLOWING RIGHT TEMPORAL LOBE RESECTION
Alexandra Mehlmann1, Lea Marie Stieghorst2, Sebastian Schindler1, Nils Hachmeister3, Christian Bien2 & Johanna Kissler1
1University of Bielefeld, 2Epilepsy Centre Bethel, Krankenhaus Mara, 3Center of Excellence Cognitive Interaction Technology (CITEC), University of Bielefeld

POSTER 1-035
PROCESSING EMOTIONAL FACES UNDER DIFFERENT PERCEPTUAL LOAD CONDITIONS AND THE EFFECTS OF ALEXITHYMIA AND HEART RATE VARIABILITY
Georgia Panayiotou1, Marios Theodorou1, Nikos Konstantinou2 & Scott Vrana3
1University of Cyprus, 2Cyprus University of Technology, 3Virginia Commonwealth University
POSTER 1-036
EMOTION REGULATION IN LATE LIFE: EFFECTS OF POSITIVE REAPPRAISAL, ACCEPTANCE, AND DETACHMENT ON EMOTIONAL EXPERIENCE AND HEART RATE VARIABILITY
David Rompilla, Jr., Emily Hittner, Jacquelyn Stephens & Claudia Haase
Northwestern University

POSTER 1-037
EMOTIONAL PERCEPTION AND IMAGERY: OVERLAPPING AND DISTINCT NEURAL NETWORKS
Nicola Sambuco, Margaret Bradley, David Herring & Peter Lang
1University of Florida, 2Murray State University

POSTER 1-038
WHEN IS A THREAT LESS OF A THREAT? ERP SUPPORT FOR DIFFERENTIATING THREAT LEVELS IN THE IAPS PICTURES
Abbie Coy, Ayda Tekok-Kilic, Gary Libben & Sid Segalowitz
Brock University

POSTER 1-039
EEG CORRELATES OF THE ONSET OF PASSIVE ODOR DETECTION
Igor Zyma & Sergii Tukaiev
National Taras Shevchenko University of Kyiv

POSTER 1-040
INFLUENCES OF EMOTIONAL FEEDBACK ON NEURAL CORRELATES: AN ERP STUDY WITH EMOJIS
Martin Weiß, Julian Gutzeit, Johannes Rodrigues, Patrick Mussel & Johannes Hewig
1Julius-Maximilians-Universität Würzburg, 2Freie Universität Berlin

POSTER 1-041
PERIPHERAL PSYCHOPHYSIOLOGICAL EFFECTS OF EXPLICIT EMOTION REGULATION: RESULTS OF A SYSTEMATIC LITERATURE REVIEW
Jenny Zaehringer, Christine Jennen-Steinmetz, Christian Schmahl, Gabriele Ende & Christian Paret
Central Institute of Mental Health Mannheim
POSTER 1-042
THE RELATIONSHIP BETWEEN RESTING HEART RATE VARIABLE AND FACETS OF RUMINATION: AN UPDATE
Catalin Dragomirescu¹, Gina Gerardo¹, Nicole Feeling¹, Nicholas Joseph¹, Jos Brosschot², DeWayne Williams¹ & Julian Thayer¹
¹The Ohio State University, ²Leiden University

POSTER 1-043
SEXISM IN STEM: THE ROLE OF SELF-EFFICACY IN PREDICTING WOMEN’S CARDIOVASCULAR RESPONSES TO A STEM TASK
Mona El-Hout, Elizabeth Kiebel, Kristen Salomon, Jennifer Bosson, Sophie Kuchynka & Meghana Vantendhu
University of South Florida

POSTER 1-044
ETHNIC DIFFERENCES IN THE ASSOCIATION BETWEEN HEART RATE VARIABILITY AND CEREBRAL BLOOD FLOW: IMPLICATIONS FOR RESILIENCE
Julian Koenig¹, Julian Thayer² & Peter Gianaros³
¹Heidelberg University, ²Ohio State University, Columbus, ³University of Pittsburgh

POSTER 1-045
RESTING HEART RATE VARIABILITY PREDICTS SELF-CONTROL AFTER SEXISM
Zachary Petzel, Melinda Siebert, Anne Manwarring, Gualtiero Piccinini & Bettina Casad
University of Missouri, St. Louis

POSTER 1-046
STRUCTURAL BRAIN NETWORK ABNORMALITIES IN YOUTH BORN PREMATURELY
Antonia Kaczkurkin¹, Rula Nassar², Cedric Huchuan Xia¹, Aristeidis Sotiras¹, Marieta Pehlivanova¹, Tyler Moore¹, Angel Garcia de La Garza¹, David Roalf¹, Adon Rosen¹, Scott Lorch¹, Kosha Ruparel¹, Russell Shinohara¹, Christos Davatzikos¹, Ruben Gur¹, Raquel Gur¹ & Theodore Satterthwaite¹
¹University of Pennsylvania, ²Christiana Care Health System
POSTER 1-047
AUTONOMIC PHYSIOLOGY OF SOCIAL ANXIETY IN EARLY ADOLESCENCE: NON-RECIPIROCAL PARASYMPATHETIC AND SYMPATHETIC REACTIVITY TO SOCIAL STRESS
Alex Kaeppler & Stephen Erath
Auburn University

POSTER 1-048
GROUP DIFFERENCES IN VISUAL EVOKED POTENTIALS IN 10 AND 14 MONTH OLD CHILDREN
Nadezhda Pavlova, Dmitriy Chegodaev & Polina Pavlova
Ural Federal University

POSTER 1-049
DO DIFFERENT THREAT PROCESSING DIMENSIONS RELATE TO DIFFERENT ANXIETY/MOOD SYMPTOMS IN CHILDREN AND ADOLESCENTS?
Christopher Sege¹, Casey Calhoun¹, Jesse Walker¹, Brady Nelson², Lisa McTeague¹, Greg Hajcak³ & Carla Danielson¹
¹Medical University of South Carolina, ²Stony Brook University, ³Florida State University

POSTER 1-050
MIND AND BODY: INVESTIGATING CENTRAL AND AUTONOMIC NERVOUS SYSTEM COUPLING IN THE CONTEXT OF AFFECTIVE MANIPULATION
Roisin White, Nilam Ram & Lisa Gatzke-Kopp
The Pennsylvania State University

POSTER 1-051
NOVELTY FACILITATED EXTINCTION TRAINING REDUCES THE REINSTATEMENT OF DIFFERENTIAL ELECTRODERMAL RESPONDING IN HUMAN FEAR CONDITIONING
Camilla Luck, Katherine Lucas & Ottmar Lipp
Curtin University
POSTER 1-052
INVESTIGATING SUSTAINED ATTENTION IN CONTEXTUAL ANXIETY USING STEADY-STATE VEPS EVOLED BY FLICKERING VIDEO STIMULI
Yannik Stegmann¹, Philipp Reicherts¹, Paul Pauli¹ & Matthias Wieser²
¹University of Würzburg, ²Erasmus University Rotterdam

POSTER 1-053
THE RETRIEVAL OF REPRESENTATIONS IN EPISODIC VISUAL LONG-TERM MEMORY INDUCE A PARTIAL REACTIVATION OF THE PROCESSES PRESENT DURING ENCODING
Mathieu Charbonneau & Pierre Jolicoeur
Université de Montréal

POSTER 1-054
ERP SIGNATURES OF EPISODIC RETRIEVAL IN THE REAL WORLD: MEMORY FOR OBJECTS AND LOCATIONS
Joanne Park & David Donaldson
University of Stirling

POSTER 1-055
BRAIN-ELECTRICAL SIGNATURE DURING WORKING-MEMORY RETRIEVAL ASSOCIATED TO MAINTENANCE OR MANIPULATION OF INFORMATION
Talia Roman-Lopez, Jesus Franco-Rodriguez, Silvia Cisneros-Luna, Monica Mendez-Diaz, Oscar Prospero-Garcia & Alejandra Ruiz-Contreras
Universidad Nacional Autonoma de Mexico

POSTER 1-056
EVALUATIVE FEEDBACK PROCESSING IS SHAPED BY SUBJECTIVE EXPECTATION, RATHER THAN BY OBJECTIVE REWARD PROBABILITY DURING PERFORMANCE MONITORING AT THE FRN AND P3 LEVELS
Wioleta Walentowska¹, Mario Severo², Agnes Moors³ & Gilles Pourtois³
¹Jagiellonian University Krakow, ²Ghent University, ³KU Leuven
POSTER 1-057
THE REWARD POSITIVITY: A CANDIDATE BIOMARKER FOR EARLY STAGE PARKINSON’S DISEASE
Darin Brown & James Cavanagh
University of New Mexico

POSTER 1-058
DISTRIBUTED SOURCE RECONSTRUCTION OF EVENT-RELATED BRAIN POTENTIALS DURING HYPNOSIS-INDUCED BLOCKADE OF VISION
Marcel Franz¹, Barbara Schmidt¹, Holger Hecht¹, Ewald Naumann² & Wolfgang Miltner¹
¹Friedrich Schiller University, ²University of Trier

POSTER 1-059
THE NEUROCOGNITIVE RELATIONSHIP BETWEEN STRESS AND ANXIETY, AND MEMORY AND DECISION MAKING PERFORMANCE OF AUSTRALIAN NURSES
Ty Lees¹, Shamona Maharaj¹, George Kalatzis¹, Najah Nassif¹, Phillip Newton² & Sara Lal¹
¹University of Technology, Sydney, ²University of Western Sydney

POSTER 1-060
SHOCK-EVOKED P3 IS ASSOCIATED WITH SET-SHIFTING PERFORMANCE UNDER THREAT
Carson Jordan, Destiny Kruzel, Keanan Joyner, Emily Perkins, Christopher Patrick & Jens Foell
Florida State University

POSTER 1-061
USING SINGLE-TRIAL MULTILEVEL MODELING TO CLARIFY THE EFFECTS OF ALCOHOL ON NEURAL RESPONDING IN AN ODDBALL TASK
Keanan Joyner¹, Bruce Bartholow², Lindsay Nelson³ & Christopher Patrick¹
¹Florida State University, ²University of Missouri, ³Medical College of Wisconsin

POSTER 1-062
REWARD DYSFUNCTION IN MAJOR DEPRESSIVE DISORDER: COMPARING TRADITIONAL AND ALTERNATIVE ANALYTICAL METHODS TO CALCULATING DIFFERENCE SCORES
Belel Ait Oumeziane¹, Greg Hajcak² & Dan Foti¹
¹Purdue University, ²Florida State University
POSTER 1-063
USING MULTILEVEL MODELING TO EXAMINE BLUNTED NEURAL RESPONSES TO REWARD IN MAJOR DEPRESSION
Christopher Brush¹, Peter Ehmann¹, Edward Selby¹, Greg Hajcak² & Brandon Alderman¹
¹Rutgers, The State University of New Jersey, ²Florida State University

POSTER 1-064
SEX DIFFERENCES IN QEEG IN ADOLESCENT WITH CONDUCT DISORDER AND PSYCHOPATHIC TRAITS
Ana Calzada-Reyes & Alfredo Alvarez-Amador
Cuban Center for Neuroscience

POSTER 1-065
UNDERSTANDING THE LINK BETWEEN ANXIETY AND A NEURAL MARKER OF ANXIETY (THE ERROR-RELATED NEGATIVITY) IN 5 TO 7 YEAR-OLD CHILDREN
Lyndsey Chong & Alexandria Meyer
Florida State University

POSTER 1-066
SINGLE-SESSION TREATMENT WITH TDCS AND COGNITIVE REMEDIATION TRAINING IMPROVES SYMPTOMS IN SCHIZOPHRENIA
Brian Coffman, Tim Murphy, Justin Leiter-McBeth, Natasha Torrence & Dean Salisbury
University of Pittsburgh School of Medicine

POSTER 1-067
RELATIONSHIP BETWEEN DURATION MISMATCH NEGATIVITY AND GRAY MATTER IN AUDITORY CORTEX AND DORSOLATERAL PREFRONTAL CORTEX IN FIRST EPISODE SCHIZOPHRENIA-SPECTRUM
Mark Curtis¹, Tim Murphy², Justin Leiter², Brian Coffman¹ & Dean Salisbury¹
¹University of Pittsburgh, ²Clinical Neurophysiology Research Laboratory
POSTER 1-068
DISSOCIATING FEEDBACK AND ERROR PROCESSING IN AUTISM SPECTRUM DISORDERS
Alex Muir, Kaylie Carbine, Ariana Muncy, Ann Clawson, Brady Anderson, Michael Larson & Mikle South
Brigham Young University

POSTER 1-069
IMPLICIT AND EXPLICIT MOTIVATIONAL RESPONSES TO HIGH- AND LOW-CALORIE FOOD IN WOMEN WITH DISORDERED EATING
Sarah Racine¹, Léah Suissa-Rocheleau¹ & Stephen Benning²
¹McGill University, ²University of Nevada, Las Vegas

POSTER 1-070
EFFECT OF LITHIUM ON EMOTIONAL PROCESSING IN BIPOLAR DISORDER WITH AND WITHOUT PSYCHOSIS: FINDINGS FROM THE PSYCHOSIS AND AFFECTIVE RESEARCH DOMAINS AND INTERMEDIATE PHENOTYPES CONSORTIUM (PARDIP)
Rebekah Trotti¹, David Parker¹, Dean Sabatinelli¹, Carol Tamminga², Elliot Gershon³, Sarah Keedy³, John Sweeney², Matcheri Keshavan⁴, Godfrey Pearlson⁵, Jennifer McDowell¹ & Brett Clementz¹
¹University of Georgia, ²University of Texas Southwestern Medical Center, ³University of Chicago, ⁴Harvard Medical School, ⁵Yale School of Medicine

POSTER 1-071
THE EFFECT OF SOCIAL ANXIETY ON PSYCHOPHYSIOLOGICAL RESPONSES TO SOCIAL JUDGMENT
Frederik van der Veen & Matthias Wieser
Erasmus University Rotterdam

POSTER 1-072
THE RELATIONSHIP BETWEEN RESTING EEG ALPHA RHYTHM AND INTERNET-USE RELATED MEASURES
Grace Wang¹ & Inga Griskova-Bulanova²
¹Auckland University of Technology, ²Vilnius University
POSTER 1-073
INCREASED NOREPINEPHRINE RELEASE INDICATED BY PUPIL DILATION AND P3b AMPLITUDE CAUSES TIME DILATION DURING PREPARATION OF DIFFICULT TASKS
Benjamin Ernst & Marco Steinhauser
Catholic University of Eichstätt-Ingolstadt

POSTER 1-074
EFFECTS OF INHIBITION OF AUDITORY CORTEX WITH CTBS ON THE FREQUENCY-FOLLOWING RESPONSE
Fran López-Caballero, Pablo Martin-Trias, Teresa Ribas, Natàlia Gorina-Careta, David Bartrés-Faz & Carles Escera
University of Barcelona

POSTER 1-075
GENDER AND SEXUAL PREJUDICE AS PREDICTORS OF MFN RESPONSES TO GAY AND LESBIAN SEXUAL IMAGERY
Elizabeth Kiebel, Colleen O’Leary, Geoffrey Potts & Jennifer Bosson
University of South Florida

POSTER 1-076
NEURAL CORRELATES OF AUDIOVISUAL INTEGRATION IN PRESBYCUSIS
Melissa Randazzo & Deborah Senzr
Adelphi University

POSTER 1-077
A NEUROPHYSIOLOGICAL ACCOUNT OF DEATH-DENIAL
Yair Dor-Ziderman¹, Antoine Lutz² & Abraham Goldstein¹
¹Bar-Ilan University, ²INSERM
Wednesday, October 3, 2018

Poster Session 1A

6:00 p.m.–7:00 p.m.  
Posters Assembled

7:00 p.m.–9:00 p.m.  
Authors Present for Discussion and Questions

9:00 p.m.–9:30 p.m.  
Dismantle Posters

POSTER 1-078
ICA SACCade CORRECTION IN ATTENTION ERP EXPERIMENTS
Brandi Lee Drisdelle, Jean Colombel & Pierre Jolicoeur
University of Montreal

POSTER 1-079
THE RELIABILITY AND CONVERGENT VALIDITY OF THE P3 COGNITIVE ERP ELICITED BY TRADITIONAL FLANKER AND ODDBALL PARADIGMS
Peter Ehmann, Christopher Brush, Anthony Bocchine & Brandon Alderman
Rutgers, The State University of New Jersey

POSTER 1-080
THE ASSOCIATION OF FRONTO-PARIETAL COGNITIVE CONTROL AND SUSTAINED POSITIVITY AS REVEALED BY MULTIMODAL DATA FUSION FOR SIMULTANEOUS EEG-FMRI
Malte Gueth, Jose Carlos Garcia Alanis, Peer Herholz, Martin Peper & Jens Sommer
University of Marburg

POSTER 1-081
THE TEST-RETEST RELIABILITY OF THE ERROR-RELATED NEGATIVITY (ERN) AND ERROR POSITIVITY (PE) AMPLITUDES IN NEUROTYPICAL CHILDREN AND ADULTS
Mei-Heng Lin, Jaclyn Stephens, William Gavin & Patricia Davies
Colorado State University
POSTER 1-082
SEX DIFFERENCES IN THE INFLUENCE OF EMOTIONAL FACES IN SACCADIC INHIBITION: BEHAVIORAL AND fMRI DATA
Luis Llamas-Alonso¹, Julieta Ramos-Loyo¹, Fernando Barrios-Álvarez² & Andrés González-Garrido¹
¹Universidad de Guadalajara - Instituto de Neurociencias, ²UNAM- Instituto de Neurobiología

POSTER 1-083
SEX IMPACTS THE RELATIONSHIP BETWEEN RESTING HEART RATE VARIABILITY AND SELF-REPORTED DISTRESS TOLERANCE: A PRELIMINARY STUDY
Sogand Abbasi, DeWayne Williams & Julian Thayer
The Ohio State University, Columbus

POSTER 1-084
THE POSTAURICULAR REFLEX MEASURES POSITIVE EMOTION, NOT (ANGRY) APPROACH
Stephen Benning & Stephany Molina
University of Nevada, Las Vegas

POSTER 1-085
WALKING THE REPLICATION TALK: A REGISTERED REPORT ON THE MISATTRIBUTION OF EMOTIONS AND THE ERROR-RELATED NEGATIVITY
Nathaniel Elkins-Brown¹, Blair Saunders² & Michael Inzlicht¹
¹University of Toronto, ²University of Dundee

POSTER 1-086
ASSESSING PUPIL RESPONSES WITHOUT LIGHT REFLEX ACTIVATION: IMPLICATIONS FOR FUTURE RESEARCH
Johannes Finke & Hartmut Schächinger
University of Trier

POSTER 1-087
AFFECTIVE DIFFERENCES BETWEEN VIRTUAL REALITY AND LABORATORY CONDITIONS
Benjamin Schöne, Elise Radtke, Sophia Sylvester & Thomas Gruber
Osnabrück University
POSTER 1-088
TRANSCUTANEOUS VAGUS NERVE STIMULATION: THE EFFECT OF DIFFERENT STIMULUS INTENSITIES ON CARDIAC VAGAL ACTIVITY
Uirassu Borges¹, Sylvain Laborde¹ & Markus Raab¹,²
¹German Sport University, ²London South Bank University

POSTER 1-089
THE IMPACT OF METHODOLOGICAL CHOICES ON INDIVIDUAL DIFFERENCES IN THE ERN
Russell Mach¹, Alexandria Meyer¹, Julia Klawohn¹, Anna Weinberg² & Greg Hajcak¹
¹Florida State University, ²McGill University

POSTER 1-090
ETHNIC DIFFERENCES IN CARDIAC AUTONOMIC ACTIVITY: A FOCUS ON IMPEDANCE CARDIOGRAPHY
DeWayne Williams¹, LaBarron Hill², Julian Koenig³ & Julian Thayer¹
¹The Ohio State University, ²Duke University Medical Center, ³Heidelberg University

POSTER 1-091
RETHINKING DEVELOPMENTAL DIFFERENCES IN THE REWARD-RELATED POSITIVITY
Kreshnik Burani¹, Brady Nelson² & Greg Hajcak¹
¹Florida State University, ²Stony Brook University

POSTER 1-092
SHIELDING CHIPS REDUCE EFFECTS OF ELECTROMAGNETIC FIELD EXPOSURE ON EEG BRAIN ACTIVITY IN THE CAR
Diana Henz
University of Mainz

POSTER 1-093
EFFECTS OF UNILATERAL DYNAMIC HAND GRIP ON BRAIN OSCILLATORY ACTIVITY IN RANGE OF 8-12 HZ: A REPLICATION STUDY
Arash Mirifar¹, Fernando Villasana², Felix Ehrleinspiel¹ & Jürgen Beckmann¹
¹Technische Universität München, ²University Hospital Ludwig Maximilians Universität München
POSTER 1-094
LATENT CLASS GROWTH ANALYSIS, ELECTROMYOGRAPHY, AND HETEROGENEITY IN FEAR LEARNING: METHODOLOGICAL CONSIDERATIONS AND THEORETICAL IMPLICATIONS
Michael Lewis, Russell Jones, Alisa Huskey, Maia Reyes, Cassie Van Orden & Bruce Friedman
Virginia Polytechnic and State University

POSTER 1-095
META-ANALYSIS OF THE RELATIONSHIP BETWEEN FRONTAL EEG ASYMMETRY AND APPROACH/AVOIDANCE MOTIVATION
Katie Garrison¹, Cassandra Baldwin¹, Brandon Schmeichel¹ & Eddie Harmon-Jones²
¹Texas A&M University, ²University of New South Wales

POSTER 1-096
PSYCHOPHYSIOLOGY OF DISORDERS OF CONSCIOUSNESS: A SYSTEMATIC ANALYSIS OF DATA QUALITY
Boris Kotchoubey¹ & Yuri Pavlov²
¹University of Tübingen, ²Ural Federal University

POSTER 1-097
QUANTIFYING SELECTIVE REPORTING AND EVIDENTIARY VALUE IN CURRENT AND PAST PSYCHOPHYSIOLOGICAL RESEARCH: A P-CURVE ANALYSIS
Kaylie Carbine, Hannah Lindsey, Rebekah Rodeback & Michael Larson
Brigham Young University

POSTER 1-098
A MULTI-SITE INVESTIGATION OF THE REPRODUCIBILITY OF TDCS
Chelsea Carter, Jaclyn Farrens & Emily Kappenman
San Diego State University
POSTER 1-099
ASSESSMENT OF PULSE WAVE VELOCITY:
COMPARISON OF A NON-INVASIVE OPTICAL
METHOD TO A STANDARD COMMERCIAL
DEVICE (THE COMPLIOR SP)
Kristin Horsley, Manlu Liu & Blaine Ditto
McGill University

POSTER 1-100
A SYSTEMATIC INVESTIGATION COMPARING
THE EFFECTS OF METHODOLOGICAL
APPROACHES ON THE ERROR-RELATED
NEGATIVITY
Aislinn Sandre¹, Iulia Banica¹, Anja Riesel², Julia
Klawohn³ & Anna Weinberg¹
¹McGill University, ²Humboldt University, ³Florida
State University

POSTER 1-101
DIMENSIONS OF CARDIOCEPTION IN RELATION
TO HEART RATE, HIGH-FREQUENCY HEART RATE
VARIABILITY, AND TRAIT ANXIETY
Shara Grant, Cassie Van Orden, Nicole Derosier,
Nicholas Brewer, Carolyn Rosazza & Bruce
Friedman
Virginia Polytechnic Institute and State University

POSTER 1-102
MODELING CARDIORESPIRATORY COUPLING
IN THE BAROREFLEX: IMPLICATIONS FOR
PSYCHOPHYSIOLOGY
Justin Brooks¹, Joshua Crone¹, Theresa Sheets² &
Derek Spangler¹
¹U.S. Army Research Laboratory, ²UMBC

POSTER 1-103
HIERARCHICAL GEODESIC REGRESSION: TIME-
RESOLVED FUNCTIONAL CONNECTIVITY IN
SINGLE-TRIAL EEG TIMESERIES
Kyle Curham & John Allen
University of Arizona
POSTER 1-104
MACHINE LEARNING INTERPOLATION IN EEG PREPROCESSING: POTENTIAL FOR INCREASED ACCURACY OVER SPHERICAL SPLINE INTERPOLATION
Lauritz Dieckman, Kyle Curham & John Allen
University of Arizona

POSTER 1-105
DATA QUALITY OVER DATA QUANTITY IN COMPUTATIONAL COGNITIVE NEUROSCIENCE
Bruno Kopp & Antonio Kolossa
Hannover Medical School

POSTER 1-106
NON-USUAL INDICATORS OF THE HEART RATE VARIABILITY IN MENTAL STRESS
Tamara Téllez-Veranes¹, Klaus Runger², Rosario Leon-Ponciano³ & Miguel Sánchez-Hechavarria¹
¹Medical Sciences University of Santiago de Cuba,
²Höhere Fachschule Gesundheit und Soziales,
³Escuela Nacional de Salud Pública

POSTER 1-107
WHY IS IT USEFUL TO ESTIMATE THE GAIN OF EACH OF THE THREE BAROREFLEX BRANCHES?
Evgeny Vaschillo, Bronya Vaschillo, Jennifer Buckman, Neel Muzumdar & Marsha Bates
Rutgers, The State University of New Jersey

POSTER 1-108
ASSESSING THE RELATIONSHIP BETWEEN PUPIL DIAMETER AND VISUOCORTICAL ACTIVITY
Nina Thigpen, Margaret Bradley & Andreas Keil
University of Florida

POSTER 1-109
DEVELOPMENT AND VALIDATION OF AN ACTIGRAPHY SCORING PROTOCOL FOR SLEEP TO DEFINE LIGHTS OFF/ON
Jennifer McGrath, Noel Neressa, Rebecca Burdayron & Denise Jarrin
Concordia University
POSTER 1-110
ACTIGRAPH PLACEMENT AND SLEEP: A PSYCHOMETRIC COMPARISON IN CHILDREN
   Joanne Ramil¹, Jennifer McGrath¹, Mélanie Henderson² & Marie-Ève Mathieu²
   ¹Concordia University, ²Centre de Recherche du Centre Hospitalier Universitaire Sainte-Justine

POSTER 1-111
INTOLERANCE OF UNCERTAINTY AND THREAT GENERALIZATION: A REPPLICATION AND EXTENSION
   Elizabeth Bauer¹, Aislinn Sandre², Jayne Morriss³, Carien van Reekum³, Anna Weinberg² & Annmarie MacNamara¹
   ¹Texas A&M University, ²McGill University, ³University of Reading
Thursday, October 4

**Poster Session 2**

8:00 a.m.–9:00 a.m. Posters Assembled
9:00 a.m.–6:10 p.m. Posters Available for Viewing
6:10 p.m.–8:10 p.m. Authors Present for Discussion and Questions
8:10 p.m.–8:40 p.m. Dismantle Posters

**POSTER 2-001**
**AGE-RELATED DIFFERENCES IN THE STRATEGIC MODULATION OF COGNITIVE CONTROL**
Daniel Bowie, Kathy Low, Monica Fabiani & Gabriele Gratton
*University of Illinois, Urbana-Champaign*

**POSTER 2-002**
**THE ROLE OF APOLIPOPROTEIN-E AND ALEXITHYMIA IN N200 AMPLITUDES DURING INHIBITORY CONTROL IN HEALTHY ELDERS**
Anthony Correro, Elizabeth Paitel & Kristy Nielson
*Marquette University*

**POSTER 2-003**
**EVENT-RELATED POTENTIALS AND HEART RATE VARIABILITY AS INDICES OF RECRUITMENT IN GENETIC RISK FOR ALZHEIMER’S DISEASE**
Kristy Nielson & Elizabeth Paitel
*Marquette University*

**POSTER 2-004**
**RAPID, RHYTHMIC TONE TRAINS PRODUCE A CNV-LIKE RESPONSE**
Destiny Bell, Theresa Havelka, Brigid Lockard, Cassady May, Mikayla Newkirk, Víctor Alvarez, Dalena Le & Jeffrey Sable
*Christian Brothers University*

**POSTER 2-005**
**SUSTAINED LATERALIZED READINESS POTENTIAL (LRP) PRIOR TO TASK FEEDBACK: EVIDENCE FOR THE ELIGIBILITY TRACE**
Shreya Sharma¹, Xi Ren¹, Sabrina Bhangal¹, Fernando Valle-Inclán² & Steven Hackley¹
¹*University of Missouri, Columbia,* ²*University of La Coruña*
POSTER 2-006
THE PHYSICAL ATTRACTIVENESS OF THE OPPOSITE SEX HAS IMPORTANT INFORMATION THAT CANNOT BE OVERLOOKED
Kohei Fuseda & Jun’ichi Katayama
Kwansei Gakuin University

POSTER 2-007
LATERALISED EVENT-RELATED POTENTIALS REVEAL THE EFFECT OF WORKING MEMORY LOAD ON SELECTIVE ATTENTION
Dion Henare, Jude Buckley & Paul Corballis
University of Auckland

POSTER 2-008
HORMONAL INFLUENCES ON A NOVELTY ODDBALL TASK
Victoria Kazmerski & Margaret Dunlap
Pennsylvania State University, Erie The Behrend College

POSTER 2-009
HEART RATE-DEFINED SUSTAINED ATTENTION: ASSOCIATIONS WITH INFANT BEHAVIORS IN PLAY-BASED INTERACTIONS
Wei Siong Neo & Bridgette Tonnsen
Purdue University

POSTER 2-010
FOOD PICTURES BOTH FOCUS AND DISTRACT ATTENTION ON A MODIFIED FLANKER TASK: EVIDENCE FROM ERPS, PERFORMANCE MEASURES, AND INDIVIDUAL DIFFERENCES
Catherine Norris & Emma Close
Swarthmore College

POSTER 2-011
A RIDE IN THE PARK: CYCLING IN DIFFERENT OUTDOOR ENVIRONMENTS AFFECTS THE AUDITORY N1
Joanna Scanlon, Eden Redman, Jon Kuziek & Kyle Mathewson
University of Alberta
POSTER 2-012
PSYCHOPHYSIOLOGICAL CORRELATES OF AN “ANTIHYPERVERVENTILATION” VASOVAGAL PREVENTION TECHNIQUE
Serena Mennitto, Cleo Bertrand, Lucy Zhou, Céleste Dubé, Irene Kaloyannis & Blaine Ditto
McGill University

POSTER 2-013
CUMULATIVE LIFETIME STRESS EXPOSURE IS ASSOCIATED WITH AN ENHANCED ERROR-RELATED NEGATIVITY (ERN) IN YOUNG ADULTHOOD
Iulia Banica¹, Aislinn Sandre¹, Grant Shields², George Slavich³ & Anna Weinberg¹
¹McGill University, ²University of California, Davis, ³University of California, Los Angeles

POSTER 2-014
THE ERROR-RELATED NEGATIVITY IS PREDICTIVE OF DIMINISHED VISUAL PROCESSING IN A MOTOR CONFLICT TASK
Paul Beatty¹, George Buzzell², Daniel Roberts¹ & Craig McDonald¹
¹George Mason University, ²University of Maryland

POSTER 2-015
PUPILLOMETRY: TOWARD A PSYCHOPHYSIOLOGICAL INDEX OF COGNITIVE EFFORT
Kevin da Silva Castanheira, Myles LoParco & Ross Otto
McGill University

POSTER 2-016
EFFECTS OF GLUCOSE ON N2 AMPITUDES DURING AN ERIKSEN FLANKER TASK
Anna Finley¹, David Tang² & Brandon Schmeichel¹
¹Texas A&M University, ²Fors Marsh Group

POSTER 2-017
EXAMINING THE ASSOCIATION BETWEEN HEART RATE VARIABILITY AND TEMPORAL DISCOUNTING
Gina Gerardo, DeWayne Williams, Michael Vasey & Julian Thayer
The Ohio State University
POSTER 2-018
VARIABILITY IN COGNITIVE CONTROL AND REWARD DRIVE IN ADOLESCENCE AND YOUNG ADULTHOOD: IMPACT ON RISK BEHAVIOURS
Frini Karayanidis¹, Patrick Skippen¹, Montana McKewen¹, Aaron Wong¹, Patricia Michie¹, Rhoshel Lenroot² & Patrick Cooper¹
¹The University of Newcastle, Australia, ²University of New Mexico

POSTER 2-019
COMPARATIVE ANALYSIS OF INHIBITION TASKS: AN FMRI STUDY
Julia Marakshina¹, Alexander Vartanov², Andrey Kiselnikov², Stanislav Kozlovskiy², Vadim Ushakov⁴, Natalia Buldakova² & Lyudmila Skiteva³
¹Psychological Institute of Russian Academy of Education, ²Lomonosov Moscow State University, ³NRC Kurchatov Institute, ⁴National Nuclear Research University MEPhI

POSTER 2-020
INVolVEMENT OF PARTIAL ERRORS IN RESPONSE INHIBITION PROCESSING
Yuya Maruo¹ & Hiroaki Masaki²
¹Tokyo Women’s College of Physical Education, ²Waseda University

POSTER 2-021
MOVING FAST, THINKING FAST: THE RELATIONS OF ACCELEROMETER MEASURED PHYSICAL ACTIVITY TO P3
Dominika Pindus¹, Eric Drollette², Lauren Raine¹, Naiman Khan³, Daniel Westfall¹, Shih-Chun Kao¹, Dinesh John¹, Arthur Kramer¹ & Charles Hillman¹
¹Northeastern University, ²University of North Carolina, Greensboro, ³University of Illinois, Urbana-Champaign

POSTER 2-022
LATERALITY AND CONFLICT PROCESSING IN THE STROOP PARADIGM: A COMPARISON OF RESPONSES FOR NUMERICAL AND LEXICAL TASKS
Kathryn Ressa & Melissa Randazzo
Adelphi University
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NEURAL CORRELATES OF PROCESSING NON MOTOR ERRORS IN A MULTIFRAME VISUAL SEARCH PARADIGM
Klara Steinhauser, Robert Steinhauser & Marco Steinhauser
Catholic University of Eichstätt-Ingolstadt

POSTER 2-024
CONSTRUCTING FLANKER TASKS WITH INTERPERSONAL AND EMOTIONAL STIMULI: INITIAL EVIDENCE FROM ERROR-RELATED NEGATIVITY AND BEHAVIORAL DATA
Takakuni Suzuki, Belel Ait Oumeziane, Douglas Samuel & Dan Foti
Purdue University

POSTER 2-025
NEURAL EFFECTS OF COGNITIVE LOAD ON ERROR PROCESSING
Natalie Weimer & Antonio Freitas
Stony Brook University

POSTER 2-026
COGNITIVE FLEXIBILITY UNDER THREAT OF SHOCK: PARSING COGNITIVE & AFFECTIVE SUB-PROCESSES USING EVENT RELATED POTENTIALS
James Yancey, Colin Bowyer, Isabella Palumbo, Walter Boot & Christopher Patrick
Florida State University

POSTER 2-027
PSYCHOPHYSIOLOGICAL MEASURES TO UNDERSTAND FAILURE-TO-IDENTIFY HUNTING ACCIDENTS IN DEERSTALKING
Karl Bridges & Paul Corballis
University of Auckland

POSTER 2-028
DECISION MAKING BIASES AND CERTAINTY ELICIT RAPID AND DISTINCT NEUROPHYSIOLOGICAL RESPONSES
Hause Lin¹, Blair Saunders² & Michael Inzlicht¹
¹University of Toronto, ²University of Dundee
POSTER 2-029
EFFECT OF EMOTIONAL VALENCE ON POSTERIOR ALPHA ACTIVITY DURING A DYNAMIC EMOTIONAL FACIAL EXPRESSION TASK
Beatrice De Koninck¹, Samuel Guay¹, Samaël Papineau², Christelle Beaulieu², Pierre Jolicoeur³ & Louis De Beaumont¹
¹Research Center of Hôpital du Sacré-Cœur de Montréal, ²University of Quebec in Trois-Rivieres, ³University of Montreal

POSTER 2-030
EMOTIONAL AND FEATURE-BASED MODULATION OF THE EARLY POSTERIOR NEGATIVITY
Andrew Farkas, Katelyn Oliver & Dean Sabatinelli
University of Georgia

POSTER 2-031
IDENTIFYING AFFECTIVE RESPONSES IN INDIVIDUAL BLOOD VOLUME PULSE DATA
Alexander Francis¹, Marie-Claire Herbig², Sarah Mues³ & Mireille Boutin¹
¹Purdue University, ²University of Applied Sciences

POSTER 2-032
STIMULUS VALENCE INFLUENCES THE EVALUATIVE PROCESSING OF ACTION OUTCOME
Chikara Ishii & Jun’ichi Katayama
Kwansei Gakuin University

POSTER 2-033
THE RELATIONSHIP BETWEEN RESTING HEART RATE VARIABILITY AND THE NEED FOR AFFECT: THE MEDIATING ROLE OF DIFFICULTIES IN EMOTION REGULATION
Nicholas Joseph¹, DeWayne Williams¹, Julian Koenig² & Julian Thayer¹
¹The Ohio State University, ²University of Heidelberg
POSTER 2-034
NEURAL RESPONSE TO NEGATIVE EMOTIONAL STIMULI PREDICTS MOTHERS’ ACCURACY IN ESTIMATING DAUGHTERS’ DEPRESSIVE SYMPTOMS
Marie-Catherine Mignault, Aislinn Sandre, Lauren Human & Anna Weinberg
McGill University

POSTER 2-035
EMOTIONAL MODULATION OF THE N170/VPP COMPLEX DURING FACE PROCESSING
Victoria Branchadell, Rosario Poy, Segarra Pilar, Pablo Ribes, Sara Rodríguez & Javier Moltó
Universitat Jaume I

POSTER 2-036
INFLUENCE OF FACIAL MIMICRY ON EMOTIONAL CONTAGION: WHAT CAUSES US TO PICK UP THE EMOTIONS OF OTHER PEOPLE?
Michal Olszanowski¹, Monika Wrobel² & Weronika Trzmielewska¹
¹SWPS University of Social Sciences & Humanities,
²University of Lodz

POSTER 2-037
EFFECTS OF COLORS USED IN COLORING ON MOOD: DIFFERENCES BETWEEN WARM AND COLD COLORS
Yasuko Omori, Yuki Ishiguro & Toshiro Mizuta
Jin-ai University

POSTER 2-038
INFLUENCE OF RESTING HEART RATE VARIABILITY (HRV) IN COGNITIVE REAPPRAISAL: STARTLE AND SKIN
Irene Jaén¹, Nieves Fuentes-Sánchez¹, Miguel Escrig¹, Gustavo Reyes del Paso² & María Carmen Pastor¹
¹Universitat Jaume I - MPAGER, ²Universidad de Jaén

POSTER 2-039
THE TRIARCHIC CONCEPTUALIZATION OF PSYCHOPATHY AND ELECTROCORTICAL RESPONSES TO AFFECTIVE PICTURES
Sara Rodríguez, Rosario Poy, Pilar Segarra, Victoria Branchadell, Pablo Ribes & Javier Moltó
Universitat Jaume I
POSTER 2-040
EMOTION-INDUCED STARTLE BLINK POTENTIATION MAY BE OVERSHADOWED BY REWARD PROCESSING IN PARKINSON’S DISEASE
Xi Ren¹, Fernando Valle-Inclán², Pradeep Bollu¹ & Steven Hackley¹
¹University of Missouri, Columbia, ²University of La Coruña

POSTER 2-041
AUTONOMIC AROUSAL AND INVESTMENT BASED ON PERCEIVED RELIGIOUS GROUP AFFILIATION AND COMMITMENT
Nicole Roberts, Mary Burleson, Stephanie Thibault, Cayla Duncan, Christopher Blais, Gene Brewer & Adam Cohen
Arizona State University

POSTER 2-042
NEGATIVE EMOTION REDUCES ERP AMPLITUDE REFLECTING VISUAL WORKING MEMORY RETRIEVAL
Motoyuki Sanada, Juntaro Miyoshi & Jun’ichi Katayama
Kwansei Gakuin University

POSTER 2-043
MEMORY PERFORMANCE FOR NEGATIVE WORDS IS POSITIVELY CORRELATED WITH POST-ERROR BRAIN ACTIVITY
Magdalena Senderecka¹, Michał Ociepka¹, Magdalena Matyjek² & Bartłomiej Kroczek¹
¹Jagiellonian University, ²Humboldt-Universität zu Berlin

POSTER 2-044
BASELINE HEART RATE VARIABILITY PREDICTS POST-TRAUMATIC STRESS DISORDER TREATMENT OUTCOMES IN CO-MORBID POST-TRAUMATIC STRESS DISORDER AND SUBSTANCE USE DISORDER
Heather Soder¹, Margaret Wardle¹ & Anka Vujanovic²
¹University of Texas Health Science Center, Houston, ²University of Houston
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EFFECTS OF RIGHT TEMPORAL LOBE RESECTION ON VISUAL EMOTION PROCESSING: AN FMRI STUDY
Lea Stieghorst\textsuperscript{1}, Alexandra Mehlmann\textsuperscript{2}, Martin Wegryn\textsuperscript{2}, Friedrich Wörmann\textsuperscript{1}, Johanna Kissler\textsuperscript{2} & Christian Bien\textsuperscript{1}
\textsuperscript{1}Epilepsy Centre Bethel, \textsuperscript{2}Bielefeld University

POSTER 2-046
SHORT-TERM RELAXATION TRAINING IMPROVES SELF-COMPASSION THROUGH BRAIN NETWORKS RELATED TO ATTENTIONAL, COGNITIVE AND AFFECTIVE PROCESSING
Yi-Yuan Tang\textsuperscript{1}, Xiaoqian Ding\textsuperscript{2} & Rongxiang Tang\textsuperscript{3}
\textsuperscript{1}Texas Tech University, \textsuperscript{2}Liaoning Normal University, \textsuperscript{3}Washington University, St. Louis

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REVENGE IS SWEET: APPROACH-MOTIVATED ANGER ENHANCES THE REWP TO REVENGE OPPORTUNITIES
A. Hunter Threadgill & Philip Gable
University of Alabama

POSTER 2-048
INFLUENCE OF COMORBID ANXIETY AND DEPRESSION ON ERROR-RELATED BRAIN ACTIVITY
Brandon Alderman, Christopher Brush & Peter Ehmann
Rutgers, The State University of New Jersey

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TRAIT DISINHIBITION IN ADOLESCENCE PREDICTS LATER CORTICAL GRAY MATTER VOLUME IN A LARGE-SCALE SAMPLE
Jens Foell\textsuperscript{1}, Keanan Joyner\textsuperscript{1}, Max Owens\textsuperscript{2}, Lawrence Sweet\textsuperscript{2}, James MacKillop\textsuperscript{3}, Frauke Nees\textsuperscript{4}, Angela Heinrich\textsuperscript{4}, Herta Flor\textsuperscript{4} & Christopher Patrick\textsuperscript{1}
\textsuperscript{1}Florida State University, \textsuperscript{2}University of Georgia, \textsuperscript{3}McMaster University, \textsuperscript{4}Central Institute of Mental Health
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P3 AND MEDIAL FRONTAL THETA REDUCTION AT AGE 14 PROSPECTIVELY PREDICT ALCOHOL MISUSE AT AGE 17
Jeremy Harper, Stephen Malone & William Iacono
University of Minnesota, Twin Cities

POSTER 2-051
DISPOSITIONAL THREAT SENSITIVITY AND NEURAL PROCESSES DURING TASK SWITCHING IN AN AVERSIVE CUING CONTEXT
Keenan Roberts, James Yancey, Keanan Joyner, Kara Hultstrand, Walter Boot & Christopher Patrick
Florida State University

POSTER 2-052
THE RELATIONSHIP BETWEEN EARLY LIFE ADVERSITY, PARASYMPATHETIC CARDIAC FUNCTIONING, AND CURRENT PERCEIVED STRESS IN PARENTS OF YOUNG CHILDREN
Frederica Rockwood, Karen Smith & Greg Norman
University of Chicago

POSTER 2-053
INTERNAL RELIABILITY OF BEHAVIORAL AND NEURAL MEASURES DURING A DOT-PROBE TASK IN A HIGH-ANXIOUS NONPATIENT SAMPLE
Sarah Sass¹, Travis Evans² & Kue Xiong¹
¹University of Texas at Tyler, ²University of Miami

POSTER 2-054
NEUROPHYSIOLOGICAL INDICES OF INDIVIDUAL DIFFERENCES IN SELF-OTHER DISTINCTION
Daniel Shaw¹, Kristina Czekóová², Martin Lamoš², Beáta Špiláková² & Miguel Salazar²
¹Aston University, ²CEITEC, Masaryk University

POSTER 2-055
EEG BETA DESYNCHRONIZATION DURING OBSERVATION OF MEANS-END ACTIONS REFLECTS MIRROR SYSTEM ACTIVITY IN 9-MONTH-OLD INFANTS
Ranjan Debnath¹, Marlene Mayer², Virginia Salo¹, Nathan Fox¹ & Amanda Woodward²
¹University of Maryland, College Park, ²University of Chicago
POSTER 2-056
EMOTIONAL FACE PROCESSING IN ADOLESCENTS: AN ERP STUDY
Jill Grose-Fifer¹,², Max Lobel¹ & Danielle Mascarelli¹
¹John Jay College of Criminal Justice, City University of New York, ²The Graduate Center, City University of New York

POSTER 2-057
PARENTAL INTRUSIVENESS AND CHILD ANXIETY RELATE TO CHILDREN’S PHYSIOLOGICAL REGULATION
Emily Shih, Nancy Nguyen, Melina Romo Loera & Elizabeth Davis
University of California, Riverside

POSTER 2-058
PARASYMPATHETIC CARDIAC FUNCTIONING AND CHILDREN’S BEHAVIORAL RESPONSES TO ABUSE
Karen Smith, Stephanie Dimitroff & Greg Norman
University of Chicago

POSTER 2-059
ENHANCED ERROR-RELATED NEGATIVITY IN CLINICALLY ANXIOUS FIVE-TO-SEVEN-YEAR-OLD CHILDREN
Karl Wisseman & Alexandria Meyer
Florida State University

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THE IMPACT OF TOP-DOWN AND BOTTOM-UP INTERVENTIONS ON AUTONOMIC FUNCTION IN PERSONS WITH CLINICALLY ELEVATED ANXIETY
Melanie Cochrane¹, Colette Smart¹, John Allen² & Mauricio Garcia-Barrera¹
¹University of Victoria, ²University of Arizona

POSTER 2-061
TRANSCUTANEOUS VAGUS NERVE STIMULATION REDUCES SPONTANEOUS BUT NOT INDUCED NEGATIVE THOUGHT INTRUSIONS IN HIGH WORRIERS
Bart Verkuil¹, Willem van der Does¹, Julian Thayer², Jos Brosschot¹ & Andreas Burger¹
¹Leiden University, ²The Ohio State University
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LEARNING MEDICAL DIAGNOSIS: THE EFFECT OF EXPECTATION TO TEACH
Francisco Colino, Thomas Ferguson, Chad Williams, Bruce Wright & Olav E. Krigolson
University of Victoria

POSTER 2-063
THE EFFECTS OF CLASSICAL CONDITIONING IN ODDBALL PARADIGM ON EEG AND EVENT-RELATED POTENTIALS
Boris Kotchoubey¹ & Yuri Pavlov²
¹University of Tübingen, ²Ural Federal University

POSTER 2-064
PHYSICAL AND PSYCHOSOCIAL STRESS DIFFERENTIALLY AFFECT FEEDBACK-BASED LEARNING
Xiao Yang¹, Brittany Nackley² & Bruce Friedman²
¹University of Pittsburgh, ²Virginia Tech

POSTER 2-065
AN INTRA-INDIVIDUAL APPROACH FOR DETECTING EVALUATION
David Herring¹, Yvette Güereca² & Stephen Crites³
¹Murray State University, ²University of Tulsa, ³University of Texas, El Paso

POSTER 2-066
VISUAL OBJECTS ARE RAPIDLY COMPARED TO CONTEXTUALLY ASSOCIATED TARGETS, REFLECTING HEMISPHERIC DIFFERENCES IN OBJECT REPRESENTATION
Cybelle Smith & Kara Federmeier
University of Illinois, Urbana-Champaign

POSTER 2-067
VOICES TO REMEMBER: COMPARING NEURAL SIGNATURES OF INTENTIONAL AND NON-INTENTIONAL VOICE LEARNING AND RECOGNITION
Romi Zäske¹, Denise Humble¹, Christian Dobel¹ & Stefan Schweinberger²
¹Universitätsklinikum Jena, ²Friedrich-Schiller-Universität Jena
POSTER 2-068
DIFFERENT NEURAL NETWORKS ARE INVOLVED IN THE EXPECTATION (SPN) AND EVALUATION (RewP) PERIODS
Mio Kamei & Haruo Sakura
University of Ritsumeikan, Shiga

POSTER 2-069
FRONTAL ASYMMETRY SHIFTS DURING IMPULSE CONTROL LOCALIZE TO THE INFERIOR FRONTAL GYRUS
Lauren Neal & Philip Gable
University of Alabama

POSTER 2-070
DISSOCIABLE EFFECTS OF REWARD MAGNITUDE ON MIDFRONTAL THETA AND FRN DURING PERFORMANCE MONITORING
Katharina Paul, Mario Severo & Gilles Pourtois
Ghent University

POSTER 2-071
PRIMARY PROGRESSIVE TRANSCORTICAL MOTOR APHASIA: A CASE STUDY
Adithya Chandregowda, Heather Clark, Joseph Duffy, Mary Machulda, Val Lowe, Jennifer Whitwell & Keith Josephs
Mayo Clinic, Rochester

POSTER 2-072
THE IMPACT OF CONCUSSION ON NEUROPHYSIOLOGICAL INDICES OF ERROR MONITORING: A LONGITUDINAL STUDY
Erin Modersitzki, Tyshae Jaggi, Kaylie Carbine, Ann Clawson, Ariana Hedges & Michael Larson
Brigham Young University

POSTER 2-073
INVESTIGATING GIST PERCEPTION BY MEANS OF STEADY STATE VISUALLY EVOKED POTENTIALS
Elise Radtke¹, Ulla Martens², Thomas Gruber¹ & Benjamin Schöne¹
¹Osnabrück University, ²Norddeutsches Epilepsiezentrum für Kinder und Jugendliche
POSTER 2-074
DOES THE MORAL IMPLICATION REALLY MATTER? AN ERP STUDY ABOUT DECEPTION DETECTION
Vera Scheuble & André Beauducel
University of Bonn

POSTER 2-075
THE INFLUENCE OF COGNITIVE LOAD ON LYING USING THE CLASSIC BOARD GAME OPERATION
Phillip Stoeklen, Sarah Wood, Hailey Hansen, Grace Karman, Brandon Beaulieu, Kyle Denver & Jenna Richardson
University of Wisconsin, Stout

POSTER 2-076
DISPOSITIONAL CALLOUSNESS MODERATES EARLY NEURAL RESPONSE TO PAIN
Destiny Kruzel, Carson Jordan, Emily Perkins, Keanan Joyner, Christopher Patrick & Jens Foell
Florida State University

POSTER 2-077
EFFECTS OF ACUTE PRAZOSIN ADMINISTRATION ON STARTLE POTENTIATION DURING UNPREDICTABLE VERSUS PREDICTABLE STRESSORS IN HUMANS
Jesse Kaye¹, Gaylen Fronk¹, Heather Williams¹, Aleksandra Zgierska², Maireni Cruz², David Rabago² & John Curtin¹
¹University of Wisconsin, Madison, ²University of Wisconsin School of Medicine and Public Health

POSTER 2-078
IMPACT OF THE USE OF SAFETY BEHAVIORS ON ANXIETY AND PSYCHOPHYSIOLOGY AS ASSESSED BY SMARTPHONE BASED EXPERIENCE SAMPLING METHODS AND WEARABLE PSYCHOPHYSIOLOGICAL MEASUREMENT
Amanda Baker¹, Samantha Hellberg¹ & Naomi Simon²
¹Massachusetts General Hospital, ²New York University School of Medicine
POSTER 2-079  
**DOES FRONTAL ALPHA ASYMMETRY CHARACTERIZE A PARTICULAR SUBTYPE OF DEPRESSION?**  
Jasmine Benjamin & John Allen  
*University of Arizona*

POSTER 2-080  
**ANXIETY AND THE CONFLICT N200 IN ADOLESCENCE**  
Alec Bruchnak, Nicholas Santopetro, Julia Klawohn, Alexandria Meyer & Greg Hajcak  
*Florida State University*

POSTER 2-081  
**A CONNECTOME WIDE FUNCTIONAL SIGNATURE OF TRANSDIAGNOSTIC RISK FOR MENTAL ILLNESS**  
Maxwell Elliott, Adrien Romer, Annchen Knodt & Ahmad Hariri  
*Duke University*

POSTER 2-082  
**NEURAL RESPONSE TO SOCIAL FEEDBACK IS BLUNTED IN WOMEN WITH REMITTED RECURRENT DEPRESSION**  
Clara Freeman, Paige Ethridge & Anna Weinberg  
*McGill University*

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**NOGO ERPS AND THEIR RELATIONSHIP WITH ADHD SYMPTOMS IN ADOLESCENT FEMALES**  
Alexander Kallen, Julia Klawohn, Alexandria Meyer & Greg Hajcak  
*Florida State University*
POSTER 2-084
CARDIAC RESPONSES ASSOCIATED WITH ENHANCED RECOLLECTION MEMORY FOR EMOTIONAL STIMULI IN SCHIZOPHRENIA
Isabelle Lanser¹, Jessica Lake¹, Holly Hamilton², Peter Clayson³, Margaret Bradley⁴, Peter Lang⁵, Peter Bachman⁵, Gregory A. Miller¹, Kenneth Subotnik¹, Joseph Ventura¹, Keith Nuechterlein¹ & Cindy Yee¹
¹University of California, Los Angeles, ²University of California, San Francisco, ³West Los Angeles Veterans Affairs Healthcare Center, ⁴University of Florida, ⁵University of Pittsburgh

POSTER 2-085
NEURAL MARKERS OF ABERRANT VISUAL PROCESSING DURING OBJECT DETECTION IN PSYCHOSIS
Julia Longenecker¹, Christopher Hollowell², Seung Suk Kang³, Cheryl Olman¹ & Scott Sponheim²
¹University of Minnesota, Twin Cities, ²Minneapolis VA Health Care System, ³University of Missouri, Kansas City

POSTER 2-086
VAGAL SUPPRESSION, SOCIAL COGNITION, AND FUNCTIONAL OUTCOMES IN FIRST-EPISODE SCHIZOPHRENIA
Alexandra Reed¹, Holly Hamilton², Junghee Lee¹, Michael Green¹, Gregory A. Miller¹, Kenneth Subotnik¹, Joseph Ventura¹, Keith Nuechterlein¹ & Cindy Yee¹
¹University of California, Los Angeles, ²University of California, San Francisco

POSTER 2-087
THE SOUND OF APPROACH: TRANSCRANIAL ULTRASOUND OVER RIGHT INFERIOR FRONTAL CORTEX LEADS TO APPROACH BEHAVIOR IN AMBIGUOUS SITUATIONS IN A VIRTUAL T-MAZE
Johannes Rodrigues¹, Philipp Ziebell¹, John Allen² & Johannes Hewig¹
¹Julius-Maximilians University of Würzburg, ²University of Arizona
POSTER 2-088
THE IMPACT OF ACUTE SOCIAL STRESS ON FRONTAL EEG ALPHA ASYMMETRY IN INDIVIDUALS WITH MAJOR DEPRESSIVE DISORDER
Amanda Shamblaw¹, Samantha Reznik², Michael Best¹, Rachel Rumas¹ & Kate Harkness¹
¹Queen's University, ²University of Arizona

POSTER 2-089
USING RESTING STATE INTRINSIC NETWORK CONNECTIVITY TO IDENTIFY SUICIDE RISK IN MOOD DISORDERS
Jonathan Stange¹, Lisanne Jenkins², Stephanie Pocius¹, Kayla Kreutzer¹, Katie Bessette¹, Sophie DelDonno¹, Leah Kling¹, Runa Bhaumik¹, John Keilp³, K. Luan Phan¹ & Scott Langenecker¹
¹University of Illinois, Chicago, ²Northwestern University, ³Columbia University

POSTER 2-090
INTRINSIC RESTING STATE ACTIVITY AS AN EXTERNAL VALIDATOR OF BIOLOGICALLY DERIVED PSYCHOSIS SUBGROUPINGS: FINDINGS FROM THE BIPOLAR & SCHIZOPHRENIA NETWORK ON INTERMEDIATE PHENOTYPES
Olivia Thomas¹, David Parker¹, Jennifer McDowell¹, Carol Tamminga², Elliot Gershon², Sarah Keedy³, Matcheri Keshavan⁴, Godfrey Pearlson⁵, John Sweeney² & Brett Clementz¹
¹University of Georgia, ²University of Texas Southwestern Medical Center, ³University of Chicago, ⁴Harvard Medical School, ⁵Yale School of Medicine

POSTER 2-091
ELECTROPHYSIOLOGICAL CORRELATES OF CONFOUND-MINIMIZED CONGRUENCY SEQUENCE EFFECTS IN PSYCHOPATHOLOGY
Hänel Watkins¹, Hilary Smith¹, Kayla Frodsham¹, Kaylie Carbine¹, Daniel Weissman² & Michael Larson¹
¹Brigham Young University, ²University of Michigan
POSTER 2-092
AN EXAMINATION OF PREPULSES AND PARTIAL GAPS AS INHIBITORS OF ACOUSTIC STARTLE IN TINNITUS AND CONTROL PARTICIPANTS
Hope Peterson & Terry Blumenthal
Wake Forest University

POSTER 2-093
NEURAL DYNAMICS OF FAMILIAR FACE PERCEPTION: COVERT AND OVERT RECOGNITION
Daylín Gongora¹, Ana Castro-Laguardia¹, Agustin Lage-Castellanos², Jorge Iglesias-Fuster¹, Evelio González-Dalmay¹, Eduardo González³, Pedro Valdés-Sosa³ & Maria Bobes¹
¹Cuban Neuroscience Center, ²Maastricht University, ³Joint China-Cuba Lab for Frontiers Research in Translational Neurotechnology

POSTER 2-094
WHEN PREDICTION ERRORS: CORTICAL RESPONSIVENESS TO DELAYED SELF-INITIATED TONES
Ana Pinheiro¹, Francisco Gutierrez¹, Michael Schwartz² & Sonja Kotz²
¹CICPSI, Faculdade de Psicologia, Universidade de Lisboa, ²Faculty of Psychology and Neuroscience, Maastricht University

POSTER 2-095
FUNCTIONAL BRAIN SYSTEM FOR CONSCIOUS DISCRIMINATION OF HOMOGENEOUS BRIGHTNESS STIMULI
Andrey Kiselnikov¹, Tina Geguchadze¹, Alexander Vartanov¹, Stanislav Kozlovskiy¹, Dmitry Vinitsky¹, Vadim Ushakov², Natalia Buldakova¹ & Sergey Kartashov³
¹Lomonosov Moscow State University, ²National Nuclear Research University MEPhI, ³NRC Kurchatov Institute

POSTER 2-096
EFFECTS OF LISTENING TO HEALING MUSIC BEFORE BEDTIME ON SLEEP ONSET
Toshiro Mizuta, Masaya Wanibuchi, Yuki Ishiguro & Yasuko Omori
JIN-AI University
POSTER 2-097
MODERATE-INTENSITY EXERCISE IMPROVES COGNITIVE PROCESSING SPEED FOLLOWING ACUTE SLEEP RESTRICTION
Kaitlyn Carmichael, Andrea Roberts, Madalyn Sheridan & Ryan Olson
University of North Texas

POSTER 2-098
PARASYMPATHETIC ACTIVITY AT REST PREDICTS CHANGE IN OUTGROUP PERCEPTION DURING EXPOSURE TO PATHOGEN-RELEVANT ODOR
Kelly Faig & Greg Norman
The University of Chicago

POSTER 2-099
EGALITARIAN ATTITUDES MODERATE WOMEN’S CARDIOVASCULAR REACTIVITY TO HOSTILE AND BENEVOLENT SEXISM
Samantha Shepard¹, Kristen Salomon¹, Kaleena Landry² & Jennifer Bosson¹
¹University of South Florida, ²Hillsborough Community College

POSTER 2-100
AN ERP INVESTIGATION OF PRESENT/PAST TENSE VERB PRODUCTION AND MORPHOLOGICAL REGULARITY
Osama Chattha, Gary Libben & Sid Segalowitz
Brock University
POSTER 2-101
FINDING SYNTACTIC REGULARITIES IN THE RIGHT BRAIN: AN EVENT-RELATED POTENTIAL INVESTIGATION OF ARTIFICIAL GRAMMAR LEARNING
   Shiuan-huey Yen¹, Ling Tang¹, Hsinjen J. Hsu² & Chia-lin Lee¹
   ¹National Taiwan University, ²National Tsing Hua University

POSTER 2-102
USING PHASE-PHASE COUPLING MEASURES FROM THE FRONTO-PARIETAL NETWORK TO CHARACTERIZE THE HYPNOTIC STATE
   Ewald Naumann¹, Jacqueline Meier¹, Barbara Schmidt², Holger Hecht² & Wolfgang Miltner²
   ¹University of Trier, ²University of Jena
Friday, October 5, 2018

Poster Session 3

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

POSTER 3-001
THE CHANGING HUMAN MIRROR NEURON SYSTEM ACROSS THE LIFESPAN
Victoria Brunsdon, Elisabeth Bradford & Heather Ferguson
University of Kent

POSTER 3-002
GIVING A SIGN TO FUNCTIONAL CONNECTIVITY: ITS RELATIONSHIP TO AGE, ARTERIAL ELASTICITY AND WHITE MATTER INTEGRITY
Tania Kong1, Caterina Gratton2, Kathy Low3, Chin-Hong Tan1, Antonio Chiarelli1, Mark Fletcher1, Benjamin Zimmerman1, Ed Maclin1, Gabriele Gratton1 & Monica Fabiani1
1University of Illinoi, Urbana-Champaign, 2Northwestern University

POSTER 3-003
VISUAL EVENT-RELATED MAGNETIC FIELD REVEAL POSSIBLE SENSORY AND ATTENTIONAL DEFICITS IN OLDER ADULTS FOLLOWING MILD TRAUMATIC BRAIN INJURY
Martine Desjardins1, Christine Lefebvre2, Louis De Beaumont2, Jean-Marc Lina3 & Pierre Jolicoeur4
1Université du Québec à Montréal, 2Université de Montréal, 3École de Technologie Supérieure, 4Institut Universitaire de Gériatrie de Montréal

POSTER 3-004
THE METRONOME RESPONSE TASK: A CONTINUOUS PERFORMANCE TASK MEASURING META-AWARENESS AND MIND-WANDERING
Thomas Anderson1, Rotem Petranker2, Hause Lin1 & Norman Farb1
1University of Toronto, 2York University
POSTER 3-005
CUE REACTIVITY TOWARD POLYSUBSTANCE CUES: ALCOHOL WITH TOBACCO, MARIJUANA, AND JUNK FOOD
Russell Clayton¹, Rachel Bailey¹, Jiawei Liu² & Rachel Secheran¹
¹Florida State University, ²Washington State University

POSTER 3-006
DIFFERENT ROLES OF LEFT AND RIGHT ANTERIOR INSULA IN ANTICIPATION OF BEHAVIORAL INFORMATION AND REWARD INFORMATION
Yasunori Kotani¹, Yoshimi Ohgami¹, Nobukiyo Yoshida², Akira Kunimatsu², Shigeru Kiryu³ & Yusuke Inoue⁴
¹Tokyo Institute of Technology, ²The University of Tokyo, ³International University of Health and Welfare, ⁴Kitasato University

POSTER 3-007
INFLUENCES OF LONG-TERM VIOLENT GAME EXPOSURE AND MOTIVATIONAL ACTIVATION ON AFFECTIVE INFORMATION PROCESSING: WHAT ERP AND REACTION TIME IN SECONDARY TASK TECHNIQUE REVEAL
Satoko Kurita² & Jun’ichi Katayama¹
¹Kwansei Gakuin University, ²Mie University

POSTER 3-008
ANTICIPATION AND PRE-STIMULUS PROCESSING SHAPE CONSCIOUS PERCEPTION
Mathieu Landry, Jason Castanheira Da Silva & Amir Raz
McGill University

POSTER 3-009
IS ATTENTION RESTORATION AN ACTIVE PROCESS? EVIDENCE OF THE EFFECTS OF MYSTERY AND FASCINATION IN NATURE ON PUPILLOMETRY
Alexandre Marois¹, Brooke Charbonneau², Melissa Mejia-Strickland² & Jason Watson²
¹Université Laval, ²University of Colorado, Denver
POSTER 3-010
INVESTIGATING CHANGES IN ATTENTIONAL BREADTH FOLLOWING SELF-CONTROL: AN ERP STUDY
Brent Pitchford & Karen Arnell
Brock University

POSTER 3-011
CHILDHOOD SOCIOECONOMIC STATUS AFFECTS ADULT MEDIAL FRONTAL NEGATIVITY (MFN) DEMONSTRATED BY INDEPENDENT COMPONENT ANALYSIS (ICA)
Sid Segalowitz¹, Vincent Samar², James Desjardins³ & Meghan Weissflog¹
¹Brock University, ²National Technical Institute for the Deaf, Rochester Institute of Technology, ³SHARCNet, Brock University

POSTER 3-012
AFFECT AND AUTONOMIC REGULATION: THE ROLE OF BIOFEEDBACK IN POST-STROKE APHASIA
Bijoyaa Mohapatra
New Mexico State University

POSTER 3-013
NEURAL INDICES OF FEEDBACK FROM AMBIVALENT AND SUPPORTIVE FRIENDS: AN ERP STUDY
Whitney Allen¹, Chelsea Romney², Kaylie Carbine¹, Ariana Hedges¹, Julianne Holt-Lunstad¹ & Michael Larson¹
¹Brigham Young University, ²University of California, Los Angeles

POSTER 3-014
ENHANCEMENT OF P3 AMPLITUDE AT FRONTAL ELECTRODE SITES PREDICTS RESPONSIVENESS TO WORKING MEMORY TRAINING
Thomas Covey, Janet Shucard & David Shucard
University at Buffalo
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WITHIN-TASK VERSUS BETWEEN-TASK MENTAL FATIGUE: HOW CHANGING TASKS AFFECTS PERFORMANCE AND ENGAGEMENT
Zoë Francis¹, Akina Umemoto² & Michael Inzlicht²
¹University of Toronto, ²University of Toronto, Scarborough

POSTER 3-016
EVENT-RELATED POTENTIAL CORRELATES OF CONGRUENCE-SEQUENCE EFFECTS ACROSS EFFECTORS (HANDS AND FEET)
Antonio Freitas & Julia Feldman
Stony Brook University

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KEEP THE PACE: THE SYNCHRONIZATION OF RESPONSE MONITORING AND VAGAL ACTIVITY
Sven Hoffmann¹, Lea Jendreizik², Ulrich Ettinger³ & Sylvain Laborde¹
¹German Sport University Cologne, ²University Clinic Cologne, ³University of Bonn

POSTER 3-018
HEART RATE VARIABILITY AND COGNITIVE DECLINE: A 10-YEAR FOLLOW-UP OF THE WHITEHALL II COHORT STUDY
Vera Jandackova¹, Shaun Scholes², Annie Britton² & Andrew Steptoe²
¹University of Ostrava, ²University College London

POSTER 3-019
DIFFERENTIAL RELATIONSHIPS OF FITNESS AND ADIPOSITY ON COGNITIVE FUNCTION
Nicole Logan¹, Lauren Raine¹, Naiman Khan², Arthur Kramer¹ & Charles Hillman¹
¹Northeastern University, ²University of Illinois, Urbana-Champaign

POSTER 3-020
GO FOR IT! ENCOURAGEMENT FROM YOUR LEADER ENHANCES ERROR MONITORING
Hiroaki Masaki¹, Takahiro Hirao¹, Takuto Matsuhashi¹ & Timothy Murphy²
¹Waseda University, ²Brock University
POSTER 3-021
FEEDBACK-RELATED NEGATIVITY PREDICTS IMPROVEMENT OF A MOTOR SEQUENCE SKILL
Takuto Matsuhashi & Hiroaki Masaki
Waseda University

POSTER 3-022
NEURAL AND BEHAVIORAL EFFECTS OF FOCUSED-ATTENTION VS SELF-COMPASSION MINDFULNESS MEDITATION
Aminda O’Hare, Nikolas Lunny, Zachary Gemelli & Azia Tironati
University of Massachusetts, Dartmouth

POSTER 3-023
N2 AND P3 MODULATION IN A MODIFIED GO/NOGO TASK: THE ROLE OF DISINHIBITION
Pablo Ribes¹, Carlos Ventura-Bort², Rosario Poy¹, Pilar Segarra¹, Sara Rodríguez¹, Victoria Branchadell¹ & Javier Moltò¹
¹Universitat Jaume I, ²Universität Potsdam

POSTER 3-024
IMPACT OF PROLONGED ATTENTION TO EMOTIONAL IMAGES ON SUBSEQUENT CONFLICT MONITORING
Eric Rawls, Summer Webers, Zachary Levy & Connie Lamm
University of Arkansas

POSTER 3-025
WITHIN-TRIAL ADAPTATION OF CONFLICT PROCESSING BY STIMULUS CONFLICT
Alodie Rey-Mermet, Miriam Gade & Marco Steinhauser
Catholic University of Eichstätt-Ingolstadt

POSTER 3-026
TIME FREQUENCY THETA AND HEART RATE VARIABILITY MODULATED BY E-CIGARETTE WITHDRAWAL AND SATIATION
Maddison Taylor¹, Aniruddh Ajith¹, Anthony Vivino¹, Spencer Fix¹, Debra Bernat² & Edward Bernat¹
¹University of Maryland, ²George Washington University
POSTER 3-027
FOLLOWING THE LEADER: IMPACTS ON CARDIAC SYNCHRONY IN ROMANTIC COUPLES OF LEADING CONFLICT CONVERSATIONS
Catie Nielson1, Paul Condon2, Christy Wilson-Mendenhall3, Jolie Wormwood1, Karen Quigley1 & Lisa Feldman Barrett1
1Northeastern University, 2Southern Oregon University, 3University of Wisconsin, Madison

POSTER 3-028
EEG DYNAMICS OF DIFFERENT SELF-REGULATORY STRATEGIES IN DIETARY DECISION MAKING
Azadeh HajiHosseini & Cendri Hutcherson
University of Toronto, Scarborough

POSTER 3-029
RISKY OR RATIONAL? ALCOHOL INCREASES THE SUBJECTIVE VALUE OF UNCERTAIN REWARDS IN A REWARD DECISION-MAKING TASK
Sarah Sant'Ana, Daniel Bradford, Mark Starr & John Curtin
University of Wisconsin, Madison

POSTER 3-030
GENERALIZATION OF BEHAVIORAL AND PHYSIOLOGICAL RESPONSES TO CONDITIONED DISGUST
Hannah Berg, Kayla Hanzsek-Brill & Shmuel Lissek
University of Minnesota, Twin Cities

POSTER 3-031
A MULTI-MODAL APPROACH TO EXAMINING THE NEUROVISCERAL INTEGRATION MODEL IN CLINICALLY ANXIOUS ADULTS
Melanie Cochrane1, Colette Smart1, John Allen2 & Mauricio Garcia-Barrera1
1University of Victoria, 2University of Arizona

POSTER 3-032
PERSONALITY TRAITS AND PHYSIOLOGICAL REACTIVITY: LINKING THE NEO-FFI AND THE SPSRQ
Thekla Constantinou, Marios Theodorou & Georgia Panayiotou
University of Cyprus
POSTER 3-033
ATTENTIONAL PREFERENCE FOR ANGRY, FEARFUL OR NEUTRAL FACIAL EXPRESSIONS AND ITS RELATIONSHIP WITH PSYCHOPATHIC TRAITS
Hedwig Eisenbarth1, Jiayue Zhang1, Jonas Kransberg1 & Matthias Wieser2
1University of Southampton, 2Erasmus University Rotterdam

POSTER 3-034
EMPATHY FOR WHOM? AN ERP INVESTIGATION OF EMPATHY CHOICE
Amanda Ferguson1, Daryl Cameron2, Blair Saunders3 & Michael Inzlicht4
1University of Toronto, Scarborough, 2The Pennsylvania State University, 3University of Dundee, 4University of Toronto

POSTER 3-035
EFFECTS OF TRANSCRANIAL ULTRASOUND (TUS) IN A VIRTUAL T-MAZE TASK: GLOBAL AFFECT – GLOBAL VIGOR – WHAT DOES TUS CHANGE?!
André Forster1, Philipp Ziebell1, Johannes Rodrigues1, John Allen2 & Johannes Hewig1
1Julius-Maximilians Universität Würzburg, 2University of Arizona, Tucson

POSTER 3-036
THE INFLUENCE OF EMOTION REGULATION ON AUTONOMIC REGULATION DURING EMPATHY FOR POSITIVE AND NEGATIVE EMOTIONS
Josiane Jauniaux1, Marie-Hélène Tessier1, Florian Chouchou2 & Philip Jackson1
1Laval University, 2Concordia University

POSTER 3-037
PSYCHOPHYSIOLOGICAL SPECIFICITY OF CEREBRAL SENSORY ASYMMETRY IN THE PROCESS OF PERCEPTION OF ASYMMETRICAL HUMAN FACES
Alexandra Galanina1, Alexander Vartanov1, Andrey Kiselnikov1, Stanislav Kozlovskiy1, Daria Kostanyan1, Vadim Ushakov2, Lyudmila Skiteva3 & Natalia Buldakova1
1Lomonosov Moscow State University, 2National Nuclear Research University MEPhi, 3NRC Kurchatov Institute
POSTER 3-038
NEURAL AND SOMATOVISCERAL CORRELATES OF OPTIMISTIC EXPECTANCIES INFLUENCING VISUAL ATTENTION
Laura Kress¹, Laurent Schüpbach¹, Mirko Bristle¹, Roland Wiest², Erno Hermans³ & Tatjana Aue¹
¹University of Bern, ²Inselspital - University of Bern, ³Donders Institute for Brain, Cognition and Behaviour

POSTER 3-039
EFFORTFUL CONTROL, BUT NOT NEGATIVE AFFECT, IS LINKED WITH GREATER RIGHT FRONTAL CORTICAL ACTIVITY TO NEGATIVE SOUNDS
Micayla Lacey & Philip Gable
The University of Alabama

POSTER 3-040
AN EXPLORATION OF EMOTIONAL DAMPENING AT DIFFERING LEVELS OF EMOTION PROCESSING
James Loveless, Alexandra Nicoletta, Andrea Winters & D. Everhart
East Carolina University

POSTER 3-041
DIET OR NOT TO DIET: COGNITIVE FACTORS CAN PLAY STRONGER ROLE IN DECISIONS TO DIET THAN EMOTIONAL
Yining Malloch, Narine Yegiyan & You Zhan
University of California, Davis

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EMPATHY INCREASES APPROACH MOTIVATION TOWARD COUNTER-STEREOTYPICAL GENDER ROLES
Danielle Oyler¹, Zachary Petzel² & Bettina Casad²
¹University of Missouri, Columbia, ²University of Missouri, St. Louis

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WHERE TO EXPECT HARM? THREAT RESPONSES UNDER SPATIAL UNCERTAINTY
Christian Panitz & Erik Mueller
University of Marburg
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AMYGDALA AND HIPPOCAMPAL ACTIVATION TO CONDITIONED STIMULI DURING HIGH-RESOLUTION (7 TESLA) FUNCTIONAL MAGNETIC RESONANCE IMAGING
Elizabeth Parisi¹, Carissa Weis¹, Ashley Huggins¹, Kenneth Bennett¹, Greg Hajcak² & Christine Larson¹
¹University of Wisconsin, Milwaukee, ²Florida State University

POSTER 3-045
INDICES OF TRAIT EMOTIONALITY AND EMOTION REGULATION: A CONCORDANCE STUDY BETWEEN MYOELECTRICAL GASTRIC REACTIVITY AND HEART RATE VARIABILITY
Jean Quintero¹, Megan Renna¹, Saren Seeley² & Douglas Mennin¹
¹Teachers College, Columbia University, ²University of Arizona

POSTER 3-046
AVOIDANCE AND ESCAPE: MOTIVE ACTIVATION WHEN PREPARING DEFENSIVE BEHAVIOR
Christopher Sege, Margaret Bradley & Peter Lang
Center for the Study of Emotion and Attention

POSTER 3-047
HEARTBEAT-EVOKED POTENTIAL REFLECTS MULTIPLE DIMENSIONS OF INTEROCEPTION IN EMOTIONAL SITUATION
Yuto Tanaka, Yuichi Ito, Midori Shibata, Yuri Terasawa & Satoshi Umeda
Keio University

POSTER 3-048
DYNAMIC PROCESSING OF SEQUENTIAL EMOTIONAL TRAJECTORIES
Tianjiao Wang¹ & Rachel Bailey²
¹Bradley University, ²Florida State University

POSTER 3-049
PSYCHOPHYSIOLOGICAL MARKERS OF ADAPTIVE AND NONADAPTIVE COPING STRATEGIES OF HIGHLY SKILLED ATHLETES
Svetlana Fedorchuk, Olena Lysenko & Sergii Tukaev
National University of Physical Education and Sports of Ukraine
POSTER 3-050
ASSOCIATIONS BETWEEN RULE-BREAKING BEHAVIORS AND ELECTROPHYSIOLOGICAL MEASURES OF COGNITIVE CONTROL IN ADOLESCENCE
Maureen Bowers¹, George Buzzell¹, Tyson Barker², Sonya Troller-Renfree¹, Ed Bernat¹, Santiago Morales¹, Daniel Pine³, Heather Henderson⁴ & Nathan Fox¹
¹University of Maryland, College Park, ²University of Oregon, ³National Institute of Mental Health, ⁴University of Waterloo

POSTER 3-051
SENSORIMOTOR RESONANCE AND EMPATHIC TRAITS
Marissa DiGirolamo & Jennifer Gutsell
Brandeis University

POSTER 3-052
WORRY, CUMULATIVE TRAUMA, AND VERY LOW FREQUENCY HRV PREDICT SOMATIC SYMPTOMS: SUPPORT FOR THE GUTS MODEL
Heather Kissel, Alisa Huskey, Bruce Friedman & Mike Lewis
Virginia Tech

POSTER 3-053
THE MODERATING ROLE OF TRAIT RUMINATION: HIGH AND LOW TRAIT RUMINATORS SHOW DIFFERENT RELATIONSHIPS BETWEEN FRONTAL ASYMMETRY AND STATE RUMINATION
Samantha Reznik, Michael Medrano & John Allen
University of Arizona

POSTER 3-054
PSYCHOLOGY AND NEUROSCIENCE OF IMAGINATION
Darya Zabelina¹ & Jessica Andrews-Hanna²
¹University of Arkansas, ²University of Arizona
POSTER 3-055
INFANT ELECTROPHYSIOLOGICAL RESPONSES TO AUDITORY NOVELTY LONGITUDINALLY PREDICT EXTERNALIZING AND ATTENTION PROBLEMS ACROSS CHILDHOOD
Santiago Morales¹, George Buzzell¹, Anita Harrewijn², Peter Marshall³, Bethany Reeb-Sutherland⁴, Daniel Pine², Heather Henderson⁵ & Nathan Fox¹
¹University of Maryland, ²National Institute of Mental Health, ³Temple University, ⁴Florida International University, ⁵University of Waterloo

POSTER 3-056
DO DYSPHORIC TEENS REACT DIFFERENTLY TO STRESS? AN ANALYSIS OF ELECTRODERMAL ACTIVITY (EDA) DURING PEER INTERACTION
Sophie Newhouse¹, Lindsey Stone¹, Jennifer Silk², Mary Woody² & Dana Rosen²
¹Christopher Newport University, ²University of Pittsburgh

POSTER 3-057
A LARGE-SCALE RE-ANALYSIS OF CHILDHOOD FITNESS AND INHIBITORY CONTROL
Lauren Raine¹, Shih-Chun Kao¹, Dominika Pindus¹, Daniel Westfall¹, Tatsuya Shigeta¹, Nicole Logan¹, Cristina Cadenas-Sanchez², Jane Li¹, Eric Drollette³, Matthew Pontifex³, Naiman Khan⁴, Arthur Kramer¹ & Charles Hillman¹
¹Northeastern University, ²University of Granada, ³University of North Carolina at Greensboro, ⁴University of Illinois, Urbana-Champaign, ⁵Michigan State University

POSTER 3-058
EFFECTS OF TRAINING ON TEAM MEASURES, SELF-REPORTED AFFECT, AND RESPIRATION RATE IN U.S. ARMY SOLDIERS
Katherine Gamble, Derek Spangler, Debra Patton & Joan Johnston
U.S. Army Research Laboratory
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AFFECT DYSREGULATION PREDICTS BLUNTED STARTLE RESPONSE
Alisa Huskey, Catherine Van Orden, Michael Lewis, Mohamed Mohsen, Peter Johannsen & Bruce Friedman
Virginia Polytechnic Institute and State University

POSTER 3-060
LONG-TERM EFFECTS OF STRESS ON FEAR CONDITIONING
Christopher Klinke¹, Dominik Fiedler², Maren Lange² & Marta Andreatta¹
¹University of Würzburg, ²University of Muenster

POSTER 3-061
POTENTIATION OF THE LATE POSITIVE POTENTIAL THROUGH EVALUATIVE CONDITIONING
Jonathan Ryan, Austin Gallyer, Joseph Franklin, Jessica Ribeiro, Alexandria Meyer & Greg Hajcak
Florida State University

POSTER 3-062
SELECTIVE IMPAIRMENTS IN RECOGNITION MEMORY AMONG INDIVIDUALS WITH MDD
Anthony Bocchine, Christopher Brush, Peter Ehmann & Brandon Alderman
Rutgers, The State University of New Jersey

POSTER 3-063
THE ROLE OF THE MIDDLE FRONTAL GYRUS IN NAME RECOLLECTION
Sophie Shirenova¹, Stanislav Kozlovskiy¹, Alexander Vartanov¹, Andrey Kiselnikov¹, Vadim Ushakov², Natalia Buldakova¹ & Sergey Kartashev³
¹Lomonosov Moscow State University, ²National Nuclear Research University MEPhI, ³NRC Kurchatov Institute

POSTER 3-064
EVENT-RELATED POTENTIAL AND POWER SPECTRAL ANALYSIS OF MEMORY SCANNING DURING AN AUDITORY STERNBERG TASK
Amour Simal & Pierre Jolicoeur
Université de Montréal
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THE EFFECT OF IMPLICIT AFFECT, PRIME WARNING AND GENDER ON EFFORT-RELATED CARDIAC RESPONSE
David Framorando & Guido Gendolla
University of Geneva

POSTER 3-067
THE INFLUENCE OF INTRINSIC MOTIVATION ON BETA SUPPRESSION AND COGNITIVE NARROWING
Ricardo Wilhelm¹, Micayla Lacey¹, Philip Gable¹ & Matt Miller²
¹University of Alabama, ²Auburn University

POSTER 3-068
HIGH SCHOOL COLLISION SPORT PARTICIPATION AND ATTENTION: AN ERP STUDY
Desiree Budd¹, Michael Donnelly², Emily Line¹, Samuel Grassman¹, Rochelle Knier¹ & Andrew Sabinash¹
¹University of Wisconsin, Stout, ²Sulcus Scientific Consulting

POSTER 3-069
NEUROPHYSIOLOGICAL CORRELATES OF ERROR PROCESSING DEFICITS IN INTERNET GAMING DISORDER
Minkyung Park¹, Jiyoon Lee¹, A. Ruem Choi¹, Sun Ju Chung¹, Da-Heen Lee¹, Dai Jin Kim² & Jung-Seok Choi¹
¹SMG-SNU Boramae Medical Center, ²Seoul St. Mary’s Hospital

POSTER 3-070
MAPPING EMBODIMENT IN THE BRAIN: PATTERNS OF CORTICAL THICKNESS IN EXPERT VAJRAYANA BUDDHIST PRACTITIONERS
Jacob Koudys, Jodie Gawryluk & Colette Smart
University of Toronto
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INVESTIGATING WHETHER RESTING EEG COHERENCE BETWEEN CENTRAL MIDLINE AND OTHER SITES ACROSS SCALP TOPOGRAPHY PREDICTS MANUAL WHEELCHAIR SKILL ACQUISITION AND LEARNING
Jence Rhoads¹, Mariane Bacelar¹, Marcos Daou¹, Won Valerius¹, Briana Carter¹, Lucia Scaglione¹, Keith Lohse² & Matthew Miller¹
¹Auburn University, ²University of Utah

POSTER 3-072
BOOTSTRAPPED PHASE-SCRAMBLED SIGNAL-TO-NOISE RATIO CONFIDENCE INTERVALS AS AN OBJECTIVE SUBJECT EXCLUSION CRITERION
Andrew Rodriguez, Stephanie Long, Matthew Gannon & Nathan Parks
University of Arkansas

POSTER 3-073
EFFECTS OF PAIN AND MONETARY LOSS ON EFFORTFUL DECISION MAKING DURING EXTENDED GOAL-DIRECTED BEHAVIOR
Sepideh Heydari, Josie Ryan, Cora-Lynn Bell & Clay Holroyd
University of Victoria

POSTER 3-074
UP-REGULATED EMOTIONS MODULATING PAIN – NEUROPHYSIOLOGICAL CORRELATES
Philipp Reicherts¹, Theresa Reuter¹, Matthias Wieser² & Paul Pauli¹
¹University of Würzburg, ²Erasmus University Rotterdam

POSTER 3-075
PSYCHOPHYSIOLOGICAL CORRELATES OF ANXIOUS AND DEPRESSIVE SYMPTOMS IN CHILDREN AND ADOLESCENTS
Akanksha Das, Carolyn Davies, Hannah Levy, Benjamin Katz & David Tolin
Hartford Hospital
POSTER 3-076
VISUAL STEADY-STATE RESPONSE DIFFERENCES RELATED TO COGNITION RATHER THAN PSYCHOPATHOLOGY
Elizabeth Edge¹, David Parker¹, Jordan Hamm², Peter Buckley³, Jennifer McDowell¹ & Brett Clementz¹
¹University of Georgia, ²Columbia University, ³Virginia Commonwealth University

POSTER 3-077
STRESS NEUROADAPTATIONS FOLLOWING HEAVY MARIJUANA USE: PHENOMENOLOGY AND INDIVIDUAL DIFFERENCES RISK
Gaylen Fronk¹, Rebecca Gloria², Kathryn Hefner³ & John Curtin¹
¹University of Wisconsin, Madison, ²San Francisco VA Medical Center, ³Uniformed Services University of the Health Sciences

POSTER 3-078
MEG RESTING STATE OSCILLATIONS AND THEIR RELATIONSHIP TO CLINICAL SYMPTOMS IN SCHIZOPHRENIA
Maor Zeev-Wolf¹, Jonathan Levy¹, Carol Jahshan², Abraham Peled³, Yehezkel Levkovitz⁴, Alexander Grinshpoon³ & Abraham Goldstein¹
¹Bar-Ilan University, ²University of California, Los Angeles, ³Sha’ar Menashe Mental Health Center, ⁴Beer-Yaakov Mental Health Center

POSTER 3-079
CONGRUENCE OF ACTIVATION AND HABITUATION OF SUBJECTIVE DISTRESS AND PHYSIOLOGICAL AROUSAL IN WRITTEN TRAUMA NARRATIVE EXPOSURE FOR PTSD
Mary Howell & Thomas Mellman
Howard University

POSTER 3-080
UTILITY OF THE ERN FOR PREDICTING ANXIETY PERSISTS AT AGE NINE
Julia Klawohn¹, Greg Hajcak¹, Daniel Klein² & Alexandria Meyer¹
¹Florida State University, ²Stony Brook University
POSTER 3-081
THE ELECTROCORTICAL RESPONSE TO REWARD RELATES TO PERINATAL DEPRESSIVE SYMPTOMS
Elizabeth Mulligan, Heather Flynn & Greg Hajcak
Florida State University

POSTER 3-082
EARLY AND LATE COMPLEX MISMATCH NEGATIVITIES ARE REDUCED IN THE FIRST EPISODE SCHIZOPHRENIA-SPECTRUM WITH AN ASCENDING PITCH PATTERN TASK
Stormy Green¹, Timothy Murphy¹, Sarah Haigh² & Dean Salisbury¹
¹University of Pittsburgh, ²Carnegie Mellon University

POSTER 3-083
INVESTIGATION OF THE VISUAL STEADY-STATE RESPONSE AS A PSYCHOSIS BIOMARKER: FINDINGS FROM BIPOLAR-SCHIZOPHRENIA NETWORK ON INTERMEDIATE PHENOTYPES (B-SNIP) CONSORTIUM
David Parker¹, Jennifer McDowell¹, Sarah Keedy², Elliot Gershon², Elena Ivleva³, Godfrey Pearlson⁴, Matheri Keshavan⁵, John Sweeney⁶ & Brett Clementz¹
¹University of Georgia, ²University of Chicago, ³UT Southwestern Medical College, ⁴Yale School of Medicine, ⁵Harvard Medical School, ⁶University of Cincinnati

POSTER 3-084
THE INTERACTIVE EFFECTS OF INTOLERANCE OF UNCERTAINTY AND DEPRESSION ON THE ERROR-RELATED NEGATIVITY
Jared Ruchensky & Annmarie MacNamara
Texas A&M University

POSTER 3-085
TRAUMA AND FUNCTIONAL BRAIN ACTIVITY DURING EMOTIONAL IMAGERY
Nicola Sambuco, Margaret Bradley, Katja Hillbrandt, Vanessa Dominguez & Peter Lang
University of Florida
POSTER 3-086
NEURAL VARIABILITY DISCRIMINATES SUBTYPES OF SOCIAL ANXIETY
Nina Thigpen1, Mehrnaz Hazrati1, Marie-Claude Laplante1, Jose Principe1, Lisa McTeague2 & Andreas Keil1
1University of Florida, 2The Medical University of South Carolina

POSTER 3-087
DEPRESSION PREDICTS REDUCED STIMULUS-LOCKED ALPHA POWER DURING FLANKER TASK
Emilio Valadez & Robert Simons
University of Delaware

POSTER 3-088
DIFFERENT INTEROCEPTIVE ABILITY BETWEEN LONG-DISTANCE RUNNERS AND SPRINTERSTakahiro Hirao1, Tobias Vogt2 & Hiroaki Masaki1
1Waseda University, 2German Sport University Cologne

POSTER 3-089
ERP RESPONSES TO DE-CONTEXTUALIZED SEXUAL CUES
Jackie Huberman, Haykaz Mangardich, Mark Sabbagh & Meredith Chivers
Queen’s University

POSTER 3-090
EFFECT OF PRIOR SALIENCE AND PROBABILITY ON SPEED OF PERCEPTUAL DECISION MAKING
Gabriella Imbriano, Jingwen Jin & Aprajita Mohanty
Stony Brook University

POSTER 3-091
SOMATOSENSORY POTENTIALS EVOKED BY ULTRASOUND INDUCED VIRTUAL OBJECTS IN MID-AIR
Caroline Lehser, Erik Wagner & Daniel Strauss
Saarland University
POSTER 3-092
INFLUENCE OF PRE-SLEEP SOCIAL MEDIA CONSUMPTION ON SLEEP AND SLEEP-ASSOCIATED MEMORY CONSOLIDATION
Selina Combertaldi & Björn Rasch
University of Fribourg

POSTER 3-093
WHAT! I LOST? FRN AMPLITUDE CHANGES DUE TO SLEEPINESS AND PROBABILITY OF WINNING IN A GAMBLING TASK
Katarina McKenzie & Timothy Murphy
Brock University

POSTER 3-094
SENSORY ATTENUATION IN INTERPERSONAL COORDINATION
Nicole Bolt & Janeen Loehr
University of Saskatchewan

POSTER 3-095
HEARTS SEATED TOGETHER BEAT TOGETHER: IBI SYNCHRONY IN COUPLES DURING TOUCH AND TALK
C. Duncan, Ash McAfee, Nicole Roberts, Nicholas Duran & Mary Burleson
Arizona State University

POSTER 3-096
WITH A LITTLE HELP FROM MY FRIEND: THE POLYVAGAL EFFECT OF FRIENDSHIP BUFFERING FOLLOWING THE TRIER SOCIAL STRESS TEST
Kaylee Seddio, Gabriela Suarez, Sabine Huber & Nathan Fox
University of Maryland

POSTER 3-097
THE RELATIONSHIP BETWEEN AEROBIC FITNESS AND NEUROELECTRIC INDICES OF READING IN COLLEGE-AGED ADULTS
Madison Chandler¹, Amanda McGowan¹, Amanda Wray¹, Brennan Payne² & Matthew Pontifex¹
¹Michigan State University, ²University of Utah
POSTER 3-098
SEMANTIC COLOR-EMOTIONAL INTERDOMAIN INTEGRATION IS PERFORMED BY DEFAULT MODE NETWORK
Andrey Kiselnikov1, Arkadiy Sergeev2, Dmitry Vinitsky1, Alexander Vartanov1, Stanislav Kozlovskiy1, Vadim Ushakov3, Natalia Buldakova1 & Sergey Kartashov4
1Lomonosov Moscow State University, 2Psychological Institute of Russian Academy of Education, 3National Nuclear Research University MEPhI, 4NRC Kurchatov Institute

POSTER 3-099
SEPARATE EFFECTS OF STARTLE STIMULUS AND STARTLE RESPONSE ON VISUAL TASK PERFORMANCE
Arielle Khosrowpour, Terra Osterberg, Hope Peterson, Aparna Sivakumar, Lawrence Snipes, Kathryn Atkins, Madeline Balser, Julia Faunce, Laura Hazlett & Terry Blumenthal
Wake Forest University

POSTER 3-100
REDUCED ANTICIPATORY REWARD ACTIVITY AND DEPRESSION: RESULTS FROM AN ERP-MID PARADIGM
Colin Bowyer1, Dan Foti2, Brady Nelson3, Christopher Patrick1 & Greg Hajcak1
1Florida State University, 2Purdue University, 3Stony Brook University

POSTER 3-101
THE ROLE OF COGNITIVE CONTROL NETWORK MODULARITY IN ADOLESCENT DEPRESSION
Shannon Glasgow1, Jingwen Jin1, Ruofan Ma2, Greg Perlman1, Jared van Snellenberg1, Roman Kotov1, Daniel Klein1 & Aprajita Mohanty1
1Stony Brook University, 2University of Waterloo

POSTER 3-102
BOLDNESS TRAITS OF PSYCHOPATHY PREDICT INCREASED VAGALLY MEDIATED HEART RATE VARIABILITY
Pilar Segarra, Rosario Poy, Pablo Ribes, Victoria Branchadell, Sara Rodríguez & Javier Moltó
Universitat Jaume I
POSTER 3-103
POSSIBILITY OF USING DEVIAN P3 IN THE ERPBASED CONCEALED INFORMATION TESTS
Fumihito Morimoto & Wataru Asano
Jin-ai University
Saturday, October 6

*Poster Session 4*

8:00 a.m.–9:00 a.m.  Posters Assembled
9:00 a.m.–7:00 p.m.  Posters Available for Viewing
7:00 p.m.–9:00 p.m.  Authors Present for Discussion and Questions
9:00 p.m.–9:30 p.m.  Dismantle Posters

**POSTER 4-001**
AGING, VISUAL COGNITION, AND THE ALPHA-MECHANISM: A ROLE FOR PHYSICAL FITNESS
Grace Clements, Kathy Low, Gabriele Gratton & Monica Fabiani
*University of Illinois, Urbana-Champaign*

**POSTER 4-002**
DIFFERENTIAL IMPACT OF APOLIPOPROTEIN-E ε4 AND ALZHEIMER’S DISEASE FAMILY HISTORY ON SEMANTIC MEMORY ERPS IN HEALTHY OLDER ADULTS
Elizabeth Paitel, Anthony Correro, II & Kristy Nielson
*Marquette University*

**POSTER 4-003**
DOES TASK-SWITCHING TRAINING IMPROVE UPDATING AND RESOLVING TASK INTERFERENCE IN OLDER ADULTS? EVIDENCE FROM AN ERP APPROACH
Jutta Kray, Nicola Ferdinand & Katharina Stenger
*Saarland University*

**POSTER 4-004**
CUE REACTIVITY TOWARD SOCIALLY DISTINCT TYPES OF SUBSTANCE CUES
Rachel Bailey¹, Russell Clayton¹, Jiawei Liu² & Rachel Secheran¹
¹*Florida State University, ²Washington State University*

**POSTER 4-005**
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November 2, 2018

10:00 a.m.–4:30 p.m., Room 205C, Pre-Conference Workshop 1: Mini ERP Boot Camp (available at an additional fee)

Tuesday, October 3, 2018

9:00 a.m.–4:30 p.m., Room 205C, Pre-Conference Workshop 1: Mini ERP Boot Camp (continued)
9:00 a.m.–4:30 p.m., Room 206A, Pre-Conference Workshop 2: Multilevel Modeling (available at an additional fee)
9:00 a.m.–4:30 p.m., Room 204B, Pre-Conference Workshop 3: Machine Learning for Neuroimaging Data: Building and Using Predictive Models (available at an additional fee)

12:00 noon–5:00 p.m., Plaines (23rd floor), Hilton Hotel, Board of Directors Meeting
2:30 p.m.–7:30 p.m., Room 2000A Foyer, Registration
5:00 p.m.–8:00 p.m., Room 2101, Speaker Ready Room
7:00 p.m.–9:00 p.m., Room 2000A, Opening Reception and Poster Session I

Thursday, October 4, 2018

7:00 a.m.–6:00 p.m., Room 2101, Speaker Ready Room
7:30 a.m.–6:30 p.m., Room 2000A Foyer, Registration
8:00 a.m.–9:15 a.m., Room 207, Chairs of Membership Enhancement Committees
8:30 a.m.–10:00 a.m., Room 204B, Symposium 1:1: Psychophysiology and Women’s Health: Insights on Cognitive and Emotional Health Across Contexts
8:30 a.m.–10:00 a.m., Room 206B, Symposium 1:2: Toward a Unified Understanding of Error Monitoring and Post-Error Effects: Evidence From Advanced Analyses of EEG, fMRI And Pupilometry
8:30 a.m.–10:00 a.m., Room 205C, Symposium 1:3: Body and Brain in Action: New Perspectives on the Psychophysiology of Motivation
8:30 a.m.–10:00 a.m., Room 202, Symposium 1:4: Affective Face Processing: Relations with Dispositional Traits and Clinical Symptoms
10:00 a.m.–8:10 p.m., Room 2000A, Exhibits Open
10:00 a.m.–10:30 a.m., Room 2000A, Refreshment Break
10:30 a.m.–10:45 a.m., Room 2000D, Education and Training Committee Roundtable Discussions (pre-registration required)
11:45 a.m.–1:00 p.m., Lobby, Committee on Women in Psychophysiology
11:45 a.m.–1:00 p.m., Lobby, 2018 Program Committee
1:00 p.m.–2:30 p.m., Room 204B, Faces of the Future Flash Talks
1:00 p.m.–2:30 p.m., Room 206B, Panel Discussion 2.2: Optimizing Psychophysiological Measures for the Study of Individual Differences
1:00 p.m.–2:30 p.m., Room 205C, Symposium 2:3: Understanding the Role of Attention and Memory at the Cocktail Party
1:00 p.m.–2:30 p.m., Room 202, Symposium 2:4: New Advances in the Study of Approach and Avoidance in the Peripheral Nervous System
2:30 p.m.–3:00 p.m., Room 2000A, Refreshment Break
3:00 p.m.–4:30 p.m., Room 206B, Symposium 3:1: Brain Waves Meet Real Life: Recent Advances in Mobile EEG
Friday, October 5, 2018

7:00 a.m.–6:00 p.m., Room 2101, Speaker Ready Room
7:30 a.m.–8:30 a.m., Room 207, Archives Committee
8:30 a.m.–6:30 p.m., Room 2000A Foyer, Registration
8:30 a.m.–10:30 a.m., Room 206B, Symposium 5.1: Advances in Understanding the Aging Brain
8:30 a.m.–10:00 a.m., Room 204B, Symposium 5.2: Neural Correlates of the Pre- and Post-Natal Learning
8:30 a.m.–10:00 a.m., Room 205C, Symposium 5.3: Behavioral Disinhibition and Motivational Factors in the Development and Maintenance of Addiction: Insights into Mechanisms Using Psychophysiology
10:00 a.m.–8:00 p.m., Room 2000A, Exhibits Open
10:00 a.m.–10:30 a.m., Room 2000A, Refreshment Break
10:30 a.m.–11:30 a.m., Room 2000C, Invited Address, Toward a Mechanistic Understanding of Terra Incognita: The Human Subcortex, Birte Forstmann
11:30 a.m.–1:00 p.m., Lunch Break (on your own)
11:30 a.m.–1:00 p.m., Room 2000D, Women in Science and Education (WISE) and Diversity Committee Co-Sponsored Luncheon (pre-registration required)
11:30 a.m.–1:00 p.m., Lobby, Education and Training Committee
11:30 a.m.–1:00 p.m., Lobby, 2019 Program Committee
1:00 p.m.–2:30 p.m., Room 205C, Symposium 6.1: Anticipation in Motivational Contexts: Involvement in Disorders of Appetite and Aversion
1:00 p.m.–2:30 p.m., Room 206B, Symposium 6.2: Effort Costs in Decision Making: Insights from Brain and Behavior
1:00 p.m.–2:30 p.m., Room 204B, Symposium 6.3, The Heart of Emotion Regulation: Implications of Cardiac Measures in Emotion Regulation Research
1:00 p.m.–2:30 p.m., Room 202, Symposium 6.4: How Neuropsychological Tools May Be Useful in the Psychiatric Clinical Setting
2:30 p.m.–3:00 p.m., Room 2000A, Refreshment Break
3:00 p.m.–4:30 p.m., Room 205C, Symposium 7.1: Diathesis Stress Across the Life Span: Measuring Markers of Risk for Psychopathology from Infancy to Adulthood
3:00 p.m.–4:30 p.m., Room 206B, Symposium 7.2, Early Modulation of the Primary Visual Cortex by Attention or Emotion Revealed Using ERP Methods: Current Challenges and New Findings
3:00 p.m.–4:30 p.m., Room 204B, Symposium 7.3: Influences on Typical and Atypical Language Development
4:40 p.m.–5:40 p.m., Room 2000C, Invited Address: Neural Signatures of Risk for Mental Illness, Ahmad R. Hariri
6:00 p.m.–8:00 p.m., Room 2000A, Poster Session III
8:15 p.m.–9:45 p.m., Saint Foy (first floor), Hilton Hotel, Committee to Promote Student Interests
10:00 p.m., L’Atelier (624, Grande Allee Est; 418-522-2225), Student Social

Saturday, October 6, 2018
7:00 a.m.–11:00 a.m., Room 2101, Speaker Ready Room
8:30 a.m.–12:30 p.m., Room 2000A Foyer, Registration
8:30 a.m.–10:00 a.m., Room 204B, Symposium 8.1: Broadening the Time-Course of ERP Components Implicated in Reward Processing: Implications of Emotion, Cognition, and Psychopathology
8:30 a.m.–10:00 a.m., Room 205C, Symposium 8.2: The Power of Mind: How Hypnosis Affects Perception and Behavior
8:30 a.m.–10:00 a.m., Room 206B, Symposium 8.3: Crossing the Knowledge to Practice Divide: Heart Rate Variability in the Assessment and Treatment of Psychopathology
8:30 a.m.–10:00 a.m., Room 202, Symposium 8.4: Diversity Committee and Women in Science and Education Co-Sponsored Symposium
10:00 a.m.–10:30 a.m., Room 2000A Foyer, Refreshment Break
10:30 a.m.–11:00 a.m., Room 2000C, Early Career Award Address: The Erring Brain: Error-Related Brain Activity as a Risk-Marker for Psychopathology, Anja Riesel
11:00 a.m.–11:30 a.m., Room 2000C, Early Career Award Address: EEG as a Theoretical and Methodological Hub for the Neural Sciences, James Cavanagh
11:30 a.m.–12:30 p.m., Room 2000C, Presidential Address: When Words are Binding: Prediction and Attention in Language Comprehension, Kara D. Federman
12:45 p.m.–2:45 p.m., Port du Palais (first floor), Hilton Hotel, General Business Meeting and Luncheon (ticketed event)
3:00 p.m.–7:00 p.m., Free Time to Enjoy Quebec City
7:00 p.m.–9:00 p.m., Room 2000A, Poster Session IV
9:00 p.m.–12:00 midnight, Room 2000C, Saturday Night Social with the SPR Blues Band

Sunday, October 7, 2018
8:00 a.m.–10:30 a.m., Beauport Room (2nd floor), Hilton Hotel, Farewell Breakfast
9:00 a.m.–12:00 noon, Plaines (23rd Floor), Hilton Hotel, Board of Directors Meeting