# Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Author Index</td>
<td>164</td>
</tr>
<tr>
<td>Announcements</td>
<td>14</td>
</tr>
<tr>
<td>Board of Directors</td>
<td>4</td>
</tr>
<tr>
<td>Committees</td>
<td>5</td>
</tr>
<tr>
<td>Early Careers Conversation Hour</td>
<td>17</td>
</tr>
<tr>
<td>Education and Training Committee</td>
<td></td>
</tr>
<tr>
<td>Roundtable Discussions</td>
<td>16</td>
</tr>
<tr>
<td>Exhibitors</td>
<td>19</td>
</tr>
<tr>
<td>Future Annual Meetings</td>
<td>19</td>
</tr>
<tr>
<td>Historical Roster</td>
<td>7</td>
</tr>
<tr>
<td>Internet Station</td>
<td>18</td>
</tr>
<tr>
<td>Meeting Rooms</td>
<td>20</td>
</tr>
<tr>
<td>Poster Sessions</td>
<td>61</td>
</tr>
<tr>
<td>Pre-Conference Workshops</td>
<td>24</td>
</tr>
<tr>
<td>Program</td>
<td>24</td>
</tr>
<tr>
<td>Program Committee</td>
<td>3</td>
</tr>
<tr>
<td>Publication of Abstracts</td>
<td>14</td>
</tr>
<tr>
<td>Registration</td>
<td>12</td>
</tr>
<tr>
<td>Speaker Ready Room</td>
<td>18</td>
</tr>
<tr>
<td>Special Interest Breakfasts, Luncheons, and Dinners</td>
<td>15</td>
</tr>
<tr>
<td>SPR Fund Contributors</td>
<td>11</td>
</tr>
<tr>
<td>Women in Science and Education</td>
<td></td>
</tr>
<tr>
<td>Luncheon</td>
<td>17</td>
</tr>
</tbody>
</table>
The purpose of the Society for Psychophysiological Research is to foster research on the interrelationships between the physiological and psychological aspects of behavior. Allied disciplines include psychology, physiology, neuroscience, medicine and engineering. To promote this purpose, the Society publishes scientific literature and holds annual meetings for presentation and discussion of topics, including instrumentation, methodology, experimental results, and theoretical interpretations.

Program Committee
Andreas Löw, 2013 Program Committee Chair, University of Greifswald
Christopher T. Lovelace, 2014 Program Committee Chair, Shepherd University
Greg Hajcak, 2012 Program Committee Chair, Stony Brook University
Kathryn Hefner, Student Representative, University of Wisconsin–Madison
John J.B. Allen, University of Arizona
Margaret M. Bradley, University of Florida
Maurizio Codispoti, University of Bologna
Eveline Crone, Leiden University
Ingmar Franken, Erasmus University Rotterdam
Peter Gianaros, University of Pittsburgh
Tanja Jovanovic, Emory University
Johanna Kißler, University of Bielefeld
Daniel Mathalon, University of California, San Francisco
Axel Mecklinger, Saarland University
Yoshimi Ohgami, Tokyo Institute of Technology
Dean Sabatinelli, University of Georgia
Rebecca Silton, Loyola University Chicago
Andreas von Leupoldt, KU Leuven
OFFICERS

President, 2012–2013
Alfons O. Hamm
University of Greifswald

President-Elect, 2012–2013
Terry D. Blumenthal
Wake Forest University

Past President, 2012–2013
Christopher J. Patrick
Florida State University

Secretary, 2011–2014
Cindy M. Yee-Bradbury
University of California, Los Angeles

Treasurer, 2010–2013
Diane L. Filion
University of Missouri–Kansas City

Treasurer-Elect, 2012–2013
Scott R. Vrana
Virginia Commonwealth University

Board of Directors
Bruce D. Bartholow
University of Missouri–Columbia (2010–2013)
James Coan
University of Virginia (2012–2015)
Greg Hajcak
Stony Brook University (2010–2013)
Eddie Harmon-Jones
Texas A&M University (2011–2014)
Erin Hazlett
Mount Sinai School of Medicine (2012–2015)
Markus Ullsperger
University of Magdeburg (2011–2014)
§ Gregory A. Miller
University of California, Los Angeles
(Publication Committee; 2012–2015)
§ Catherine Norris
Dartmouth University
(Committee to Promote Student Interests; 2011–2014)
§ ex officio member
Editor, *Psychophysiology*
Robert F. Simons
University of Delaware (2006–2014)

SPR Office
Susan Rees, Executive Director
Amy Bayer, Membership/Registration Manager
Brooke Miller, CMP, Meeting Planner
Jane Shepard, CMP, Exhibits Manager

*Committee Chairs*

**Archives Committee**
Louis G. Tassinary
Texas A&M University (1994+)

**Bylaws Committee**
Scott Vrana
Virginia Commonwealth University (2011–2014)

**Committee to Promote Student Interests**
Catherine Norris
Dartmouth University (2011–2014)

**Committee on Women in Psychophysiology**
Rebecca Houston
University at Buffalo, SUNY (2010–2013)

**Convention Sites Committee**
John Curtin
University of Wisconsin–Madison (2012–2016)
Axel Mecklinger
University of Saarland (2009–2013)

**Distinguished Contributions to Psychophysiology Award Committee**
Alfons O. Hamm
University of Greifswald (2012–2013)

**Early Career Award Committee**
John Curtin
University of Wisconsin–Madison (2011–2014)

**Education and Training Committee**
Bruce D. Bartholow
University of Missouri–Columbia (2012–2015)

**Ethical Principles Committee**
Steven A. Hackley
University of Missouri–Columbia (2011–2014)
Finance Committee
Diane L. Filion
University of Missouri–Kansas City (2009–2013)

Membership Committee
Nicole Roberts
Arizona State University (2010–2013)

Nominating Committee
Gary G. Berntson
The Ohio State University (2012–2013)

Outreach Committee
Yasunori Kotani
Tokyo Institute of Technology (2010–2013)
Eliane Volchan
Federal University of Rio De Janeiro (2010–2013)

Public Relations Committee
James Coan
University of Virginia (2012–2015)

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

Student Poster Award Committee
Christopher J. Patrick
Florida State University (2012–2013)

Ad Hoc Committees

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

Ad Hoc Committee on EEG/MEG Measures
Andreas Keil
University of Florida

Ad Hoc Committee on Funding for Psychophysiological Research
Wendy D’Andrea
The New School for Social Research
Philip Gable
The University of Alabama

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

PAST OFFICERS

Chair of the Organizing Board

R. C. Davis 1958–60

Past Presidents

Chester W. Darrow 1960–61
John I. Lacey 1961–62
Albert F. Ax 1962–63
Marion A. Wenger 1963–64
Clinton C. Brown 1964–65
Robert Edelberg 1965–66
John A. Stern 1966–67
William W. Grings 1967–68
Laverne C. Johnson 1968–69
David T. Graham 1969–70
Bernard T. Engel 1970–71
Robert Roessler 1971–72
Bernard Turksy 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 1999–2000
Robert W. Levenson 2000–01
Margaret M. Bradley 2001–02
Connie C. Duncan 2002–03
Bruce N. Cuthbert 2003–04
Niels Birbaumer 2004–05
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 G. Berntson 2010–11
Christopher J. Patrick 2011–12

Past Secretary-Treasurers

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

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

Past Secretaries

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

Past Treasurers

Edwin W. Cook III 2002–03
Terry D. Blumenthal 2003–06
Karen S. Quigley 2006–10
Past Psychophysiology Editors

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

AWARDS FOR DISTINGUISHED CONTRIBUTIONS TO PSYCHOPHYSIOLOGY

Chester W. Darrow 1969
R.C. Davis 1969
Marion A. Wenger 1970
John I. Lacey 1970
Albert F. Ax 1973
Robert Edelberg 1974
William W. Grings 1978
Frances K. Graham 1981
Donald B. Lindsley 1984
Paul A. Obrist 1985
Peter H. Venables 1987
David Shapiro 1988
E.N. Sokolow 1988
Peter J. Lang 1990
John Stern 1993
Emanuel Donchin 1994
Risto 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
AWARDS FOR DISTINGUISHED EARLY CAREER CONTRIBUTIONS TO PSYCHOPHYSIOLOGY

Connie C. Duncan 1980
Kathleen C. Light 1980
John T. Cacioppo 1981
William G. Iacono 1982
Graham Turpin 1984
Ray Johnson Jr. 1985
Alan J. Fridlund 1986
J. Rick Turner 1988
Ulf Dimberg 1988
Kimmo Alho 1990
Thomas W. Kamarck 1991
Steven A. Hackley 1992
George R. Mangun 1993
Christopher J. Patrick 1993
Cyma Van Petten 1994
Friedemann Pulvermuller 1995
Erich Schröger 1996
Brett A. Clementz 1997
Gabriele Gratton 1997
Christopher R. France 1998
Axel Mecklinger 1999
John J.B. Allen 2000
James J. Gross 2000
Martin Heil 2001
Eddie Harmon-Jones 2002
Thomas Ritz 2003
Frank Wilhelm 2004
Kent A. Kiehl 2005
Kara Federmeier 2006
Diego Pizzagalli 2006
Bruce D. Bartholow 2007
Markus Ullsperger 2008
Sander Nieuwenhuis 2009
James Coan 2010
Eveline Crone 2011
Greg Hajcak 2012
Ilse Van Diest 2013
2012–2013 FUND CONTRIBUTORS
(Contributions received by May 31, 2013)

Modupe N. Akinola  Pavel A. Govyadinov
Jurate Aleknaviciute  Gabriele Gratton
Ben Allen  Gina M. Grimshaw
John J.B. Allen  William W. Grings
Bruce D. Bartholow  Sydney N. Grings
Gershon Ben-Shakhar  Pedro Maria Guerra
W. Keith Berg  Ingmar Gubler
Dawn G. Blasko  Steven A. Hackley
Margaret M. Bradley  Alfons O. Hamm
Colleen A. Brenner  Luke Hanlon
James Broadway  Wendy Heller
Florian Bublatzky  Ursula Hess
Timothy W. Budd  Johannes S. Hewig
Giulia Buodo  Rebecca J. Houston
Mary H. Burleson  Michael Inzlicht
Daisy A. Burr  J. Richard Jennings
Brett A. Clementz  Deb Jensen
James A. Coan  Pierre Jolicour
Rebecca J. Compton  Victor L. Kallen
Edwin W. Cook  Arvid Kappas
John Curtin  Anke Karl
Wendy M. D’Andrea  Jürgen Kayser
Michael E. Dawson  Victoria Kazmerski
Vilfredo De Pascalis  Andreas Keil
Stefan Debener  Andrew H. Kemp
Joel Diaz  Markus Kiefer
Joseph Dien  Hans Kirschner
Herman A. Diggs  Yasunori Kotani
Judith  Peter J. Lang
Domínguez-Borràs  Christine L. Larson
Emanuel Donchin  Sarah Laszlo
Michael P.W. Donnelly  Paul Lehrer
Jane Dywan  Robert W. Levenson
Francisco Esteves  Ottmar V. Lipp
Monica Fabiani  Andreas Löw
Eve Fabre  Christopher T. Lovelace
Diane L. Filion  Edward L. Maclin
Tóbiás Flaisch  Steve M. Malone
Gwen A. Frishkoff  Frances Martin
Giovanni Galfano  Hiroaki Masaki
Fabiola Rebeca  Jared J. McGinley
Gomez-Velazquez  Mark McManis
Andrés Antonio  Lisa M. McTeague
González-Garrido  Axel Mecklinger
Registration

Registration will be held in the PIAZZA ADUA Reception Area (see map on page 20) during the following hours:

- **Wednesday, October 2**: 2:30 P.M.–7:30 P.M.
- **Thursday, October 3**: 7:15 A.M.–5:15 P.M.
- **Friday, October 4**: 8:00 A.M.–4:00 P.M.
- **Saturday, October 5**: 8:30 A.M.–12:30 P.M.

*SPR’s registration area is located at 1 Piazza Adua. The PIAZZA ADUA reception area is an entrance area located next to the Palazzo Degli Affari (PDA) Building, which is dedicated for registration and also used as the Main Entrance to the Firenze Fiera Congress & Exhibition Center. By using this entrance it gives SPR attendees the private and easy access to any of the three buildings located near the reception desk, such as the PDA, the Palazzo Dei Congressi (PDC), or the Limonaia Buildings.*
Poster Sessions

Poster sessions will be held in the Fortezza Da Basso Building, located in the CAVANIGLIA PAVILION meeting space at the Firenze Fiera Congress & Exhibition Center. The Fortezza Da Basso has three entrances. All SPR attendees will only be allowed through the Porta Faenza entrance (see map on page 20). Have your SPR badge at all times in order to gain access to this area. An attendant will be checking badges at all times. (Refer to SPR area maps for location of this building.) Building hours are 8:00 a.m.–8:30 p.m. daily. No SPR attendees will have access to this space before 8:00 a.m. or after 8:30 p.m. All posters must be removed during the designated dismantle time for each session.

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

**Wednesday, October 2**

**Poster Session I**

4:00 P.M.–6:00 P.M. Posters Assembled
6:00 P.M.–8:00 P.M. Authors Present for Discussion and Questions
8:00 P.M.–8:30 P.M. Dismantle Posters

**Thursday, October 3**

**Poster Session II**

8:00 A.M.–9:45 A.M. Posters Assembled
9:45 A.M.–5:30 P.M. Posters Available for Viewing
5:30 P.M.–7:30 P.M. Authors Present for Discussion and Questions
7:30 P.M.–8:00 P.M. Dismantle Posters

**Friday, October 4**

**Poster Session III**

8:00 A.M.–10:15 A.M. Posters Assembled
10:15 A.M.–5:30 P.M. Posters Available for Viewing
5:30 P.M.–7:30 P.M. Authors Present for Discussion and Questions
7:30 P.M.–8:00 P.M. Dismantle Posters
Saturday, October 5

Poster Session IV

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 A.M.–12:00 noon</td>
<td>Posters Assembled</td>
</tr>
<tr>
<td>12:00 noon–5:00 P.M.</td>
<td>Posters Available for Viewing</td>
</tr>
<tr>
<td>5:00 P.M.–7:00 P.M.</td>
<td>Authors Present for Discussion and Questions</td>
</tr>
<tr>
<td>7:00 P.M.–7:30 P.M.</td>
<td>Dismantle Posters</td>
</tr>
</tbody>
</table>

Announcements

You are invited to use the bulletin board in the CAVANIGLIA PAVILION to post the following information:

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

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

Publication of Abstracts

Abstracts of papers presented in the symposia and the poster sessions are published in the September 2013 supplement volume of *Psychophysiology*. Current members will receive a copy of the supplement in the mail, however, extra copies are available at the registration desk.

COMMITTEE MEETINGS

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

Board of Directors

**President: Alfons O. Hamm** (hamm@uni-greifswald.de)

Wednesday, 12:00 noon–5:00 P.M.

Sunday, 9:00 A.M.–12:30 P.M.

Publications Committee

**Chair: Gregory A. Miller** (gmiller@psych.udel.edu)

Thursday, 12:00 noon–1:30 P.M. (Lunch)

Meet in the SPR Registration Area at 12:00 noon.

2013 Program Committee

**Chair: Andreas Löw** (andreas.loew@uni-greifswald.de)

Thursday, 12:00 noon–1:30 P.M. (Lunch)

Meet in the SPR Registration Area at 12:00 noon.
**Outreach Committee**
Co-Chair: Yasunori Kotani (kotani.y.aa@m.titech.ac.jp)
Co-Chair: Eliane Volchan (evolchan@biof.ufrj.br)
Thursday, 12:00 noon–1:30 P.M. (Lunch)
Meet in the SPR Registration Area at 12:00 noon.

**The Psychophysiology Board of Associate Editors**
Chair: Robert F. Simons (rsimons@psych.udel.edu)
Thursday, 5:15 P.M.–6:15 P.M.

**Past Presidents’ Dinner**
Immediate Past-President: Christopher J. Patrick
(cpatick@psy.fsu.edu)
Thursday, 8:30 P.M. (Dinner)
Meet in the hotel lobby of the Grand Hotel Baglioni
(Piazza Unita Italianà, 6) at 8:00 P.M.

**2014 Program Committee**
Chair: Christopher T. Lovelace (clovelac@shepherd.edu)
Friday, 12:00 noon–1:30 P.M. (Lunch)
Meet in the SPR Registration Area at 12:00 noon.

**Education and Training Committee**
Chair: Bruce D. Bartholow (bartholowb@missouri.edu)
Friday, 12:00 noon–1:30 P.M. (Lunch)
Meet in the SPR Registration Area at 12:00 noon.

**Committee to Promote Student Interests**
Chair: Catherine Norris
(catherine.j.norris@dartmouth.edu)
Friday, 7:45 P.M.–8:45 P.M.

**Student Poster Award Committee**
Chair: Christopher J. Patrick (cpatick@psy.fsu.edu)
Saturday, 6:15 P.M. –7:00 P.M.
Meet at the front entrance of the CAVANIGLIA
PAVILION foyer meeting space.

**SPECIAL INTEREST BREAKFASTS, LUNCHEONS, AND DINNERS**
As in previous years, small group breakfasts, lunches, and dinners may be held to provide an informal setting for people to meet and share common interests. If space remains available following advance registration, sign-up sheets will be posted on the announcement board in the CAVANIGLIA PAVILION.
NEW TO SPR?

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

EDUCATION AND TRAINING COMMITTEE

ROUNDTABLE DISCUSSIONS
12:00 noon–1:30 P.M.
Thursday, October 3
SALA CENTRALE – Primo Piano
(Main Hall – First Floor)
Palazzo Degli Affari Building (PDA)
RSVP by Wednesday, September 25

This year, there will again be the opportunity to participate in the Roundtable Discussions. Each topic will be led by one or more leaders in their respective fields. To register, please contact Amy Bayer at spr@reesgroupinc.com. For questions about a particular roundtable, please contact Carien van Reekum at c.vanreekum@reading.ac.uk or Bruce Friedman at bhfriedm@vt.edu. Attendance is limited to 8 people at each roundtable. Confirm your attendance prior to Wednesday, September 25!

Emotion and Executive Function
(Appu Mohanty & Carien van Reekum)

Eye-Blink and Post-Auricular Startle Responses
(Terry Blumenthal & Steven Hackley)

Neurodynamics
(Stefan Debener & Andreas Keil)

Psychophysiology of Substance Use and Addiction
(Bruce Bartholow & John Curtin)

Starting a Psychophysiology Lab
(John J.B. Allen & Julian Thayer)

Studying Sexual Responses in the Psychophysiology Lab
(Nicole Prause)
What Do EEG/ERP Signals Tell Us About the Underlying Psychological Process?
(Emily Kappenman & Don Tucker)

**EARLY CAREERS CONVERSATION HOUR**
7:45 P.M.–9:45 P.M.
Thursday, October 3
SALA ADUA 2 – Secondo Piano (Second Floor)
Palazzo Degli Affari Building (PDA)
RSVP by Wednesday, September 25

Don’t miss this opportunity to discuss early career issues with some of SPR’s leading scientists! As in past years, the first hour will be a panel discussion, followed by a breakout into small groups. If you have questions about this event or would like to RSVP, please contact Catherine Norris (catherine.j.norris@dartmouth.edu). The deadline to register is Wednesday, September 25.

**WOMEN IN SCIENCE AND EDUCATION LUNCHEON**

*Gender Diversity in the Lab*
12:00 noon–1:30 P.M.
Friday, October 4
SALA CENTRALE – Primo Piano
(Main Hall – First Floor)
Palazzo Degli Affari Building (PDA)
RSVP by Wednesday, September 25

How can scientists of all genders promote gender diversity at SPR? How is the goal of gender diversity conceptualized, discussed, and implemented in psychophysiology labs? Does diversity in the lab environment play a role in the research questions we ask and the methodologies we use?

Please join WISE for a discussion of gender diversity in the lab. Facilitated by a panel of senior, mid-level, and early career scientists, whose research is not necessarily gender-specific, this discussion is inclusive and open to all. Please direct questions about the event to Kimmy Fleming by email at kafmrb@mail.mizzou.edu or Reese Minshew by email at reese.minshew@gmail.com.

To RSVP for the luncheon please contact Amy Bayer at spr@reesgroupinc.com by Wednesday, September 25.
GENERAL BUSINESS MEETING
AND LUNCHEON
12:15 P.M.–2:00 P.M.
Saturday, October 5
CAVANIGLIA PAVILION
Fortezza Da Basso Building

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

If you have not already registered for the luncheon, contact Amy Bayer at spr@reesgroupinc.com by Wednesday, September 25.

INTERNET STATION

An Internet station will be available for all attendees to use at the following times in the Fortezza Da Basso Building, located in the CAVANIGLIA PAVILION meeting space at the Firenze Fiera Congress & Exhibition Center:

- Wednesday, October 2: 6:00 P.M.–8:00 P.M.
- Thursday, October 3: 8:00 A.M.–8:00 P.M.
- Friday, October 4: 8:00 A.M.–8:00 P.M.
- Saturday, October 5: 8:00 A.M.–7:00 P.M.

SPEAKER READY ROOM

If you are speaking at the meeting, plan time to visit the Speaker Ready Room to review your presentation. This space will not have an audio-visual tech on site, but instead they will be available on call to all speakers. Please contact the SPR Registration Desk in person to arrange for a tech’s assistance. The Speaker Ready Room will be located on the Lowest Level of the Palazzo Dei Congressi (PDC) building, known as the PASSI PERDUTI (Basement – Lowest Level) at the Firenze Fiera Congress & Exhibition Center. This space is open during the following hours for speakers use:

- Thursday, October 3: 7:00 A.M.–5:00 P.M.
- Friday, October 4: 7:00 A.M.–5:00 P.M.
- Saturday, October 5: 7:00 A.M.–3:30 P.M.
FUTURE ANNUAL MEETINGS

54th SPR Annual Meeting
September 10–14, 2014
Atlanta Marriott Marquis Hotel
Atlanta, Georgia

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

EXHIBITORS

Take time while you are at the SPR meeting to visit the exhibit area held in the Fortezza Da Basso Building, located in the CAVANIGLIA PAVILION meeting space at the Firenze Fiera Congress & Exhibition Center. 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 2</td>
<td>6:00 P.M.—8:00 P.M.</td>
</tr>
<tr>
<td>Thursday, Oct 3</td>
<td>9:45 A.M.—7:30 P.M.</td>
</tr>
<tr>
<td>Friday, Oct 4</td>
<td>10:15 A.M.—7:30 P.M.</td>
</tr>
</tbody>
</table>
* See the following pages for detailed information on the numbered buildings in this diagram.
SPR 2013 Area Maps

Building One:
Palazzo Dei Congressi (PDC)

1. VILLA VITTORIA - PIANO TERRA - GROUND FLOOR
SPR will be using SALA 5, SALA 6, and SALA 9 on this floor. (SALA translates to “Room” in English.)

2. VILLA VITTORIA - PIANO PRIMO - FIRST FLOOR
SPR will not be using this floor.

3. VILLA VITTORIA - PIANO SECONDO - SECOND FLOOR
SPR will not be using this floor.

4. VILLA VITTORIA - BELVEDERE
SPR will not be using this floor.

5. ANFITEATRO - AMPHITHEATRE (Located Outside)
SPR will not be using this space.

6. AUDITORIUM - LOWER LEVEL
SPR will be using the Auditorium on this floor, as the General Session.

7. PASSI PERDUTI - BASEMENT - LOWEST LEVEL
SPR will be using the Passi Perduti - Lowest Level. SPR’s Speaker Ready Room is located on this level.

* Refer to the SPR Program-at-a-Glance for when SPR meeting space is in use in this building.

Building Two:
Limonaia (Lemon House)

Located inside the centuries-old park of Villa Vittoria, between Palazzo dei Congressi and Palazzo degli Affari, the Limonaia (Lemon House) represents the meeting point of the two venues. To access this space, use the garden-area between the two buildings. This building is only one level. SPR will be using Limonaia for one of the Pre-Conference Workshops only.
SPR 2013 Area Maps

Building Three:
Piazza Adua (Reception Area)

Located next to the PDA building, but not directly connected, is a reception area dedicated as the SPR Registration Area. It is located at 1 Piazza Adua, and is the Main Entrance to the Congress Center to easily access the PDA, PDC, and Limonaia buildings.

Building Four:
Palazzo Degli Affari (PDA)

1. PIANO INFERIORE - BASEMENT
SPR will be using the Basement Level.

2. PIANO TERRA - GROUND FLOOR
SPR will be using the Ground Floor.

3. PRIMO PIANO - FIRST FLOOR
SPR will be using the First Floor, also known as Sala Centrale (Main Hall). SPR will also be using SALA ADUA 1 (Pre-Conference Workshop only).

4. SECONDO PIANO - SECOND FLOOR
SPR will be using the Second Floor, also known as Sala Centrale (Main Hall). SPR will also be using SALA ADUA 2 (Pre-Conference Workshop & Annual Conference).

5. TERZO PIANO - THIRD FLOOR
SPR will not be using this floor.

6. QUARTO PIANO - FOURTH FLOOR
SPR will not be using this floor.

* Refer to the SPR Program-at-a-Glance for when SPR meeting space is in use in this building.
SPR 2013 Area Maps
Building Five:
Forteza Da Basso - Cavaniglia Pavilion

FORTEZZA DA BASSO

CAVANIGLIA PAVILION

SPR will only be using the Cavaniglia Pavilion building inside the Fortezza Da Basso. The Cavaniglia Pavilion is one level.

The Cavaniglia Pavilion will house the Exhibit Hall, the Poster Sessions, the Opening Reception, Refreshment Breaks (except Saturday), the Business Meeting and Luncheon, and the SPR Saturday Night Social.

Note: this building is located across the street from the Palazzo Dei Congressi (PDC) and Palazzo Degli Affari (PDA) buildings.

The Fortezza Da Basso has three entrances. All SPR attendees should only use the Porta Faenza entrance. Be sure to have your SPR badge at all times, in order to gain access to this area. An attendant will be checking badges at all times. Please use the crosswalk as this is a busy square.
PROGRAM
Tuesday, October 1

8:30 A.M.–4:30 P.M.
SALA ADUA 1 – Primo Piano (First Floor)
Palazzo Degli Affari Building (PDA)

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

ADVANCED EEG AND MEG DATA ANALYSIS:
CORTICAL SOURCE IMAGING USING
BRAINSTORM AND SPM8; A HANDS-ON
TRAINING (Day One)

Stephan Moratti, PhD
University of Madrid
Sylvain Baillet, PhD
Montreal Neurological Institute, McGill University
Francois Tadel, PhD
Montreal Neurological Institute, McGill University

The aim of this two-day workshop is to train psychophysicists/neuroscientists using advanced EEG and MEG data analysis methods such as cortical source estimation, spectral decomposition, functional connectivity analysis and general linear models for statistical inference in sensor and source space. Thereby, the importance of graphical representation of the results for publication purposes is highlighted as well.

The first day of the workshop, Sylvain Baillet and Francois Tadel will introduce the open source Matlab toolbox Brainstorm (http://neuroimage.usc.edu/brainstorm/). Hereby, source imaging, spectral decomposition and functional connectivity measures will be emphasized. The second day, Stephan Moratti will give an introduction to SPM8 (www.fil.ion.ucl.ac.uk/spm/software/spm8/) whereby source imaging and statistical parametric mapping for EEG/MEG data using the general linear model machinery of SPM8 will be highlighted.

The workshop will provide direct hands-on training for these two toolboxes in order to enable the trainee to combine the strengths of Brainstorm and SPM8. The attendee should previously install the two toolboxes on their laptop (see links above for installing instructions) and download the example data. (Additional link(s) will be forthcoming to workshop attendees).

NOTE: Attendees will need to bring their own adaptors for power supplies to their electronic devices and/or laptops.
Wednesday, October 2

8:30 A.M.–4:30 P.M.
SALA ADUA 1 – Primo Piano (First Floor)
Palazzo Degli Affari Building (PDA)

Pre-Conference Workshop #1 (Two-Day Workshop)

ADVANCED EEG AND MEG DATA ANALYSIS: CORTICAL SOURCE IMAGING USING BRAINSTORM AND SPM8; A HANDS-ON TRAINING (Day Two)

Stephan Moratti, PhD
University of Madrid
Sylvain Baillet, PhD
Montreal Neurological Institute, McGill University
Francois Tadel, PhD
Montreal Neurological Institute, McGill University

8:30 A.M.–4:30 P.M.
SALA ADUA 2 – Secondo Piano (Second Floor)
Palazzo Degli Affari Building (PDA)

Pre-Conference Workshop #2
(Available for an additional fee.)

USING ELECTRICAL STIMULATION, EMG, GSR, HEART-RATE AND PUPIL DILATION IN COMBINATION WITH BOLD-MRI: CHALLENGES AND OPPORTUNITIES

H. Steven Scholte, PhD
University of Amsterdam
Sonja Van Well, PhD
University of Amsterdam
Renée M. Visser, MSc
University of Amsterdam

Technical and methodological developments in the last decade have made it relatively easy to record additional physiological measures in a MRI surrounding. This has opened new avenues for concurrently measuring different, often dissociated, response systems, which is relevant for fields such as emotion research. This one-day workshop will focus on how to use electrical stimulation, acoustic startle reflex, heart-rate variability, galvanic skin response (GSR) and pupil dilation in BOLD-MRI experiments.
• The workshop will start with an overview of the 
hardware and the sampling strategies necessary 
for the successful recording and analysis of 
physiological measures in general.
• Next we will deal with recording EMG to 
measure the acoustic startle reflex and concurrent 
pupil dilation responses in a fear conditioning 
paradigm, giving a step by step detailed overview 
of how to correct for artifacts in these data. We 
will also discuss how BOLD-MRI augments the 
results obtained by the physiological measures.
• After this we will deal with recording GSR and 
pupil dilation responses in a fear conditioning 
paradigm and give a step-by-step detailed 
overview of how to correct for artifacts in these 
data. We will also discuss how BOLD-MRI 
augments the results obtained by the 
physiological measures, thereby specifically 
focusing on single-trial data analysis as a way to 
monitor the development of associative fear over 
time.
• The workshop will end with a floor discussion of 
the strengths and weaknesses of the different 
physiological measures in relationship to their 
ease of implementation in an MRI environment.

8:30 A.M.–4:30 P.M.

Limonaria (Lemon House)
To access this building, use the garden area between the two 
buildings: PDA & PDC (Refer to the maps on page 20).

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

NIH RESEARCH DOMAIN CRITERIA (RDoC)
Bruce Cuthbert, PhD
National Institute of Mental Health
Charles Sanislow, PhD
Wesleyan University
Peter J. Lang, PhD
University of Florida
Judith Ford, PhD
University of California, San Francisco
Christopher J. Patrick, PhD
Florida State University
The Research Domain Criteria Project (RDoC) is a new initiative developed by the National Institute of Mental Health (NIMH) to “Develop, for research purposes, new ways of classifying mental disorders based on dimensions of observable behavior and neurobiological measures.” This project has attracted considerable attention both in the U.S. and internationally as an innovative new approach for studying and classifying psychopathology. RDoC may be viewed as an inherently psychophysiological enterprise, in that it integrates psychological and physiological measurements to explore functional dimensions that range from normal to abnormal extremes.

The aim of this workshop is to provide an in-depth consideration of the project, and of ways that the RDoC framework can be employed to facilitate psychophysiological research on mental disorders. Discussions and questions will be encouraged throughout the workshop in order to develop a full understanding of the RDoC initiative and its directions.

- The workshop will begin with a presentation of the rationale, background, and organization of the RDoC initiative and its research matrix.
- The second section of the workshop will include a discussion of the various ways that RDoC research studies can be designed, highlighting differences with traditional ways of studying mental disorders.
- The afternoon session will include discussions with four SPR presidents whose research programs have contributed significantly to the development of RDoC, and represent outstanding exemplars of work consistent with the RDoC framework.

12:00 noon–5:00 P.M.
SALA 9 – Villa Vittoria – Piano Terra (Ground Floor)
Palazzo Dei Congressi Building (PDC)

SPR Board of Directors Meeting
2:30 P.M.–7:30 P.M.
**PIAZZA ADUÁ**
Main entrance (next to the PDA Building) of the Firenze Fiera Congress & Exhibition Center

*Registration Open*

4:45 P.M.–6:00 P.M.
**PIANO INFERIORE – Lower Floor (Basement)**
Palazzo Degli Affari Building (PDA)

*Panel Discussion 1*

**PSYCHOPHYSIOLOGY ON SHOESTRINGS AND DUCT TAPE: CREATIVE SOLUTIONS FOR NON-TRADITIONAL PSYCHOPHYSIOLOGY LABS**
Chair: Echo E. Leaver  
*University of South Carolina Aiken*

**PROBLEMS AND SOLUTIONS ASSOCIATED WITH CREATING A LABORATORY INFRASTRUCTURE AT A SMALL PRIMARILY UNDERGRADUATE INSTITUTION**
Michael P.W. Donnelly, Desiree Budd, & Sarah Wood  
*University of Wisconsin–Stout*

**COLLABORATION AS A PATHWAY TO PRODUCTIVITY FOR LABS ON A BUDGET**
Echo E. Leaver  
*University of South Carolina Aiken*

**WHAT’S YOUR PROBLEM? EXPLORING SOLUTIONS FOR THE REST OF US**
Jeffrey J. Sable  
*Christian Brothers University*

6:00 p.m.–8:00 p.m.
**CAVANIGLIA PAVILION**
Fortezza Da Basso Building

*Opening Reception*  
*Poster Session I*  
*Exhibits Open*  
*Internet Station Open*
Thursday, October 3

7:00 A.M.–5:00 P.M.
PASSI PERDUTI (Basement – Lowest Level)
Palazzo Dei Congressi Building (PDC)

Speaker Ready Room

7:15 A.M.–5:15 P.M.
PIAZZA ADUA
Main entrance (next to the PDA Building) of the Firenze Fiera Congress & Exhibition Center

Registration Open

8:00 A.M.–8:00 P.M.
CAVANIGLIA PAVILION
Fortezza Da Basso Building

Internet Station

8:30 A.M.–8:45 A.M.
AUDITORIUM (Lower Level)
Palazzo Dei Congressi Building (PDC)

Welcome and Introductory Remarks
Alfons O. Hamm, PhD
University of Greifswald

8:45 A.M.–9:45 A.M.
AUDITORIUM (Lower Level)
Palazzo Dei Congressi Building (PDC)

Invited Address

PLACEBO RESPONSES IN THE BRAIN
Fabrizio Benedetti, MD
Department of Neuroscience, University of Turin Medical School, National Institute of Neuroscience, Turin, Italy

9:45 A.M.–10:30 A.M.
CAVANIGLIA PAVILION
Fortezza Da Basso Building

Refreshment Break
9:45 A.M.–7:30 P.M.  
CAVANIGLIA PAVILION  
Fortezza Da Basso Building

Exhibits Open

10:30 A.M.–12:00 noon  
PIANO INFERIORE (Lower Floor – Basement)  
Palazzo Degli Affari Building (PDA)

Symposium 1.1

THAT MAN BEHIND THE CURTAIN: THE COGNITIVE PSYCHOPHYSIOLOGY OF ATTENTION CAPTURE BY SALIENT DISTRACTORS  
Chair: Andreas Keil  
University of Florida

VISUAL SALIENCY PUSHES AROUND THE LOCUS OF ATTENTIONAL SELECTION: EVIDENCE FROM OCCIPITO-PARIETAL ERP ASYMMETRIES  
Roberto Dell’Acqua¹, Mattia Doro¹, Paola Sessa¹, Federica Meconi¹, Ulysse Fortier-Gauthier², & Pierre Jolicoeur²  
¹University of Padova, ²University of Montreal

VARIETIES OF AFFECTIVE STATE-DEPENDENT MODULATIONS OF ATTENTION CONTROL AND EARLY GAIN CONTROL EFFECTS IN VISUAL CORTEX  
Gilles Pourtois, Naomi Vanlessen, & Valentina Rossi  
Ghent University

TIME COURSE OF ATTENTIONAL RESOURCE CAPTURE IN EARLY VISUAL CORTEX BY EMOTIONAL STIMULI  
Matthias M. Müller, Valeria Bekhtereva, & Liane Schönwald  
University of Leipzig
THE LIMITS OF LIMITED CAPACITY:
COMPETITION AMONG TASK-RELEVANT
VERSUS FEAR-RELEVANT TARGETS
AND DISTRACTORS
Andreas Keil, Menton McGinnis Deweese, Inkyung
Song, L. Forest Gruss, & Vladimir Miskovic
University of Florida

10:30 a.m.–12:00 noon
PIANO TERRA (Ground Floor)
Palazzo Degli Affari Building (PDA)

Symposium 1.2

EMOTIONAL FACE PROCESSING
Chair: Frank H. Wilhelm
University of Salzburg

FREEZE RESPONSES TO EMOTIONAL FACES:
INTEGRATING HEART RATE, BODY SWAY,
AND EEG
Lisa Luther, Jacobien M. van Peer, & Karin Roelofs
Radboud University of Nijmegen

FEAR THAT FACE! ELECTRO-CORTICAL
FACILITATION IN RESPONSE TO SOCIALLY
CONDITIONED FACES
Matthias J. Wieser, Lea Ahrens, Andreas Mühlberger,
& Paul Pauli
University of Würzburg

EMOTIONAL FACES ELICIT APPROACH AND
AVOIDANCE BEHAVIORS THAT ENGAGE
DIFFERENT BRAIN REGIONS IN FEMALES
AND MALES
Birgit Derntl¹, Eva-Maria Seidel², Simon Eickhoff³,
Thilo Kellermann¹, Ruben C. Gur³, Frank Schneider¹,
& Ute Habel¹
¹RWTH Aachen University, ²University of Vienna,
³Research Center Jülich, ⁴University of Pennsylvania

DO ADOLESCENTS WITH NON-SUICIDAL
SELF-INJURY HAVE DEFICITS IN
FACIAL MIMICRY?
Tina In-Albon¹, Claudia Ruf⁴, Frank H. Wilhelm²,
& Marc Schmid¹
¹University of Koblenz-Landau, ²University of Salzburg,
³University of Basel
E.VIDS: A NEW TOOL FOR THE STUDY OF EMOTIONAL REACTIVITY TO SOCIAL INTERACTION SEGMENTS
Sylvia Richter, Jens Blechert, & Frank H. Wilhelm
University of Salzburg

10:30 A.M.–12:00 noon
SALA CENTRALE – Secondo Piano
(Main Hall – Second Floor)
Palazzo Degli Affari Building (PDA)

Symposium 1.3

REWARD PROCESSING DYSFUNCTION IN DEPRESSION: FROM ANTICIPATION, TO CONSUMMATION, TO MEMORY
Chair: Kerstin Brinkmann
University of Geneva
Discussant: Greg J. Siegle
University of Pittsburgh

REDUCED REWARD ANTICIPATION AND RISK FOR DEPRESSION
Brady Nelson, Jenna Robinson-Andrew, Sarah Altman, Miranda Campbell, Casey Sarapas, Andrea Katz, Stephanie Gorka, Sarah K. McGowan, & Stewart A. Shankman
University of Illinois

ATTENUATED EFFORT-RELATED CARDIOVASCULAR REACTIVITY DURING REWARD ANTICIPATION IN SUB-CLINICAL DEPRESSION
Kerstin Brinkmann, Jessica Franzen, Cyrielle Rossier, & Guido H.E. Gendolla
University of Geneva

REFINING MELANCHOLIA: BLUNTED MOOD REACTIVITY TO POSITIVE EVENTS IS ASSOCIATED WITH IMPAIRED REWARD PROCESSING AND POORER TREATMENT RESPONSE
Dan Foti¹, Thröstur Björgvinsson², & Greg Hajcak³
¹Stony Brook University, ²McLean Hospital
BLUNTED REWARD SOURCE MEMORY IN MAJOR DEPRESSIVE DISORDER REFLECTS WEAK REWARD RESPONSES IN THE PARAHIPPOCAMPUS, MIDBRAIN, AND ANTERIOR CINGULATE CORTEX AT ENCODING

Daniel G. Dillon¹, Ian G. Dobbins², & Diego A. Pizzagalli¹
¹Harvard University, ²Washington University

12:00 noon–1:30 P.M.

Break for Lunch (on your own)

12:00 noon–1:30 P.M.
SALA CENTRALE – Primo Piano (Main Hall – First Floor)
Palazzo Degli Affari Building (PDA)

Education and Training Committee
Roundtable Discussions
(Pre-registration required.)

• Emotion and Executive Function
  (Appu Mohanty & Carien van Reekum)
• Eye-Blink and Post-Auricular Startle Responses
  (Terry Blumenthal & Steven Hackley)
• Neurodynamics
  (Stefan Debener & Andreas Keil)
• Psychophysiology of Substance Use and Addiction
  (Bruce Bartholow & John Curtin)
• Starting a Psychophysiology Lab
  (John J.B. Allen & Julian Thayer)
• Studying Sexual Responses in the Psychophysiology Lab
  (Nicole Prause)
• What Do EEG/ERP Signals Tell Us About The Underlying Psychological Process?
  (Emily Kappenman & Don Tucker)

12:00 noon–1:30 P.M.

Publications Committee
(Meet in the SPR Registration Area at 12:00 noon.)

12:00 noon–1:30 P.M.

2013 Program Committee
(Meet in the SPR Registration Area at 12:00 noon.)
12:00 noon–1:30 P.M.

Outreach Committee
(Meet in the SPR Registration Area at 12:00 noon.)

1:30 P.M.–3:00 P.M.
Piano Inferiore (Lower Floor – Basement)
Palazzo Degli Affari Building (PDA)

Symposium 2.1

Testing the “Protection of Prepulse Processing” Hypothesis of Startle Inhibition
Chair: Terry D. Blumenthal
Wake Forest University
Discussant: Joseph C. Franklin
University of North Carolina at Chapel Hill

Assessing Prepulse Processing with Reaction Time Measures
Terry D. Blumenthal, John Z. Reynolds, & Tamara E. Spence
Wake Forest University

Evidence for Protection and Interruption of Prepulse Processing by Corneal Blink Reflex Elicitation
Thomas M. Schilling, Mauro F. Larra, Daniel Best, & Hartmut Schächinger
University of Trier

Psychomotor Evidence for Protection of Cognitive Processing
Hartmut Schächinger, Thomas M. Schilling, Mauro F. Larra, & Andre Schulz
University of Trier

Direct Extrapolation from Reflex Modulation to Generalized Concepts of Attention Is Perilous
Steven A. Hackley1, Fernando Valle-Inclán2, & Eun-Young Lee3
1University of Missouri–Columbia, 2University of La Coruna, 3Penn State Hershey College of Medicine
1:30 P.M.–3:00 P.M.
PIANO TERRA (Ground Floor)
Palazzo Degli Affari Building (PDA)

Symposium 2.2

TRANSLATIONAL RESEARCH ON BRAIN COMPUTER INTERFACES (BCI): FROM THE LAB TO THE HOME
Chair: Patricia L. Davies1 & William J. Gavin1,2
1 Colorado State University, 2 University of Canterbury

A COMPARISON OF EEG SYSTEMS FOR USE WITH BRAIN COMPUTER INTERFACES IN HOME ENVIRONMENTS
Charles W. Anderson1, William J. Gavin1,2, Elliott M. Forney1, Brittany K. Taylor1, & Patricia L. Davies1
1 Colorado State University, 2 University of Canterbury

ON THE USE OF BRAIN-COMPUTER INTERFACES OUTSIDE SCIENTIFIC LABORATORIES: TOWARD AN APPLICATION IN DOMOTIC ENVIRONMENTS
A. Riccio1,2, F. Schettini1,2, L. Simione1,2, G. Liberati1,5, M. Caruso2, B. Calabrese2, N. Ielpo3, A. Palumbo3, V. Frasca2, M. Mecella2, F. Amato3, A. Pizzimenti4, M. Inghilleri2, D. Mattia1, & F. Cincotti1,2
1 Fondazione Santa Lucia, 2 Sapienza University of Rome, 3 “Magna Graecia” University of Catanzaro Italy, 4 Crossing Dialogues Association, 5 University of Tübingen

PROGRAM FOR TRANSLATIONAL NEUROLOGICAL RESEARCH
Theresa M. Vaughan1,2, Debra Zeitlin2, Lynn M. McCane1,2, Charles S. Carmack1, Stefan Winden1, & Jonathan R. Wolpaw1,2
1 Wadsworth Center, 2 Helen Hayes Hospital

BRAIN MACHINE INTERFACE (BMI) TRAINING IN CHRONIC STROKE: A CONTROLLED TRIAL
Niels Birbaumer1,2 & Ander Ramos1
1 University of Tübingen, 2 IRCCS Ospedale San Camillo
Symposium 2.3

PATHWAYS TO INTERVENTION: THE IMPACT AND MECHANISMS OF WORKING MEMORY TRAINING
Chair: Nazanin Derakshan
Birkbeck University of London
Discussant: Greg J. Siegle
University of Pittsburgh

UNDERLYING MECHANISMS OF WORKING MEMORY TRAINING AND TRANSFER
Susanne Jaeggi¹, Martin Buschkuehl¹,², Nina S. Hsu¹, John Jonides², & Priti Shah²
¹University of Maryland, ²University of Michigan

WORKING MEMORY TRAINING IMPROVES ATTENTIONAL CONTROL IN DYSPHORIA
Max Owens¹,² & Nazanin Derakshan¹
¹Birkbeck University of London, ²Binghamton University, SUNY

AFFECTIVE WORKING MEMORY: INSIGHT FROM TRAINING STUDIES
Susanne Schweizer, Jessica Grahn, Adam Hampshire, Dean Mobbs, & Tim Dalgliesh
University of Cambridge

A FRONTO-STRIATAL WORKOUT TO PROMOTE NEURO-PLASTICITY IN OLD ADULTS
Anna Stigsdotter Neely & Lars Nyberg
Umeå University

Refreshment Break
NEW FRONTIERS IN RESEARCH ON THE NEUROGENETIC SOURCES OF EMOTIONAL AND STRESS REACTIVITY

**Chairs:** Robert W. Levenson & Claudia M. Haase  
*University of California, Berkeley*

**Discussant:** Robert W. Levenson  
*University of California, Berkeley*

SYSTEMIC AND MOLECULAR CORRELATES OF GENE-ENVIRONMENT INTERACTION  
Nina Alexander¹, Matthias Wankerl¹, Robert Miller¹, Tim Klucken¹, Rudolf Stark², Juergen Hennig², & Clemens Kirschbaum¹  
¹Technical University of Dresden, ²University of Giesen

EFFECTS OF 5-HTTLPR ON SMILING AND LAUGHING BEHAVIOR: EVIDENCE FROM THREE STUDIES USING THE FACIAL ACTION CODING SYSTEM  
Ursula Beermann¹, Claudia M. Haase¹, Laura R. Saslow², Michelle N. Shiota¹, Patrick Whalen¹, Sarina R. Saturn³, Sandy Lwi¹, Dacher Keltner¹, & Robert W. Levenson¹  
¹University of California, Berkeley, ²University of California, San Francisco, ³Arizona State University, ⁴Oregon State University

THE 5-HTTLPR POLYMORPHISM IN THE SEROTONIN TRANSPORTER GENE MODERATES THE ASSOCIATION BETWEEN EMOTIONAL BEHAVIOR AND CHANGES IN MARITAL SATISFACTION  
Claudia M. Haase¹, Laura R. Saslow², Lian Bloch¹, Sarina R. Saturn¹, James J. Casey¹, Benjamin H. Seider¹, Jessica Lane⁴, Giovanni Coppola⁴, & Robert W. Levenson¹  
¹University of California, Berkeley, ²University of California, San Francisco, ³Oregon State University, ⁴University of California, Los Angeles
PSYCHOPHYSIOLOGY OF WARMTH-LIKING
Gerhard Stemmler, Constanze Fink, & Christin Burgdorf
Philipps University of Marburg

3:45 P.M.–5:15 P.M.
Piano Terra (Ground Floor)
Palazzo Degli Affari Building (PDA)

Symposium 3.2

THE FEELING OF SELF-CONTROL: AVERSIVE AFFECT AS AN INTEGRAL PART OF COGNITIVE CONTROL
Chair: Michael Inzlicht
University of Toronto
Discussant: Eddie Harmon-Jones
The University of New South Wales

ANXIOUS ABOUT ERRORS: THREAT SENSITIVITY AND VARIATION IN THE ERN
Greg Hajcak¹, Alexandria Meyer¹, Magda Gawlowska², Autumn Kujawa¹, Anja Riesel¹, & Anna Weinberg¹
¹Stony Brook University, ²Jagiellonian University, ³Humboldt University of Berlin

ALCOHOL EFFECTS ON REACTIVE AND PROACTIVE COGNITIVE CONTROL: AN AFFECT ALARM MODEL PERSPECTIVE
Bruce D. Bartholow & Kira M. Bailey
University of Missouri–Columbia

DECISION MAKING AND THE COST OF COGNITIVE CONTROL
Wouter Kool & Matthew Botvinick
Princeton University

IS NEGATIVE AFFECT ESSENTIAL FOR SELF-CONTROL? TOWARD AN AFFECT ALARM MODEL OF SELF-CONTROL
Michael Inzlicht¹, Bruce D. Bartholow², & Jacob B. Hirsh¹
¹University of Toronto, ²University of Missouri–Columbia
Keeping the Body in Mind: Postural and Cardiovascular Influences on Behavior and Cognition

**Chairs:** Jasper Brener\(^1\) & Daniela Palomba\(^2\)
\(^1\)Stony Brook University, \(^2\)University of Padova

**Discussant:** Niels P. Birbaumer
University of Tübingen, IRCCS Ospedale San Camillo

Simulated Micro-Gravity and Cortical Inhibition: A Study of the Hemodynamic-Brain Interaction

Dieter Vaitl
University of Giessen

Effects of Short Bed Rest on Human Pain Responses: Two EEG Studies

Alessandro Angrilli\(^1,2\), Chiara Spironelli\(^1\), & Luciano Stegagno\(^1\)
\(^1\)University of Padova, \(^2\)CNR-IN Institute of Neuroscience, Padova

From the Heart to the Brain: The Case of Hypertensive Hypoalgesia

Christopher Ring
University of Birmingham

Cardiovascular Down-Regulation and Cognitive Performance in Essential Hypotension

Naima Covassin\(^1\), Michela Sarlo\(^2\), Massimiliano de Zambotti\(^3\), Nicola Cellini\(^2\), & Luciano Stegagno\(^2\)
\(^1\)Mayo Clinic, \(^2\)University of Padova, \(^3\)SRI International
5:15 P.M.–6:15 P.M.  
SALA 9 – Villa Vittoria – Piano Terra (Ground Floor)  
Palazzo Dei Congressi Building (PDC)

The Psychophysiology Board of Associate Editors  
Committee Meeting

5:30 P.M.–7:30 P.M.  
CAVANIGLIA PAVILION  
Fortezza Da Basso Building

Poster Session II  
Exhibits Open

7:45 P.M.–9:45 P.M.  
SALA ADUA 2 – Secondo Piano (Second Floor)  
Palazzo Degli Affari Building (PDA)

Early Career Conversation Hour  
(Pre-registration required.)

8:30 P.M.

Past Presidents’ Dinner  
(Meet in the hotel lobby of the Grand Hotel Baglioni –  
Piazza Unità Italiana, 6 at 8:00 p.m.)
Friday, October 4

7:00 A.M.–5:00 P.M.
PASSI PERDUTI (Basement – Lowest Level)
Palazzo Dei Congressi Building (PDC)

Speaker Ready Room

Speaker Ready Room
8:00 A.M.–4:00 P.M.
PIAZZA ADUA
Main entrance (next to the PDA Building) of the Firenze Fiera Congress & Exhibition Center

Registration Open

Registration Open
8:00 A.M.–8:00 P.M.
CAVANIGLIA PAVILION
Fortezza Da Basso Building

Internet Station

Internet Station
8:30 A.M.–10:15 A.M.
PIANO INFERIORE (Lower Floor – Basement)
Palazzo Degli Affari Building (PDA)

Symposium 4.1

SELECTING TARGETS AND GETTING DISTRACTED: N2PC AND THE DYNAMICS OF ATTENTION
Chairs: Rolf Verleger¹ & Pierre Jolicoeur²
¹University of Lübeck, ²University of Montreal

MODULATION OF SPATIAL DISTRIBUTION OF ATTENTION BY CONSECUTIVE EVENTS AS REFLECTED IN N2PC-LIKE ACTIVITY
Kamila Smigasiewicz & Rolf Verleger
University of Lübeck

TOP-DOWN COMPENSATION FOR ATTENTIONAL DISTRACTION IN VISUAL CHANGE DETECTION: EVIDENCE FROM THE N2PC COMPONENT
Daniel Schneider & Edmund Wascher
Dortmund University of Technology
POSTERIOR CONTRALATERAL NEGATIVITY PROVIDES A NEURO-CHRONOMETRIC MEASURE OF FOCAL-ATTENTIONAL SELECTION AT THE SALIENCY MAP

Thomas Töllner
Ludwig-Maximilian University Munich

N2PC AND MULTIPLE TARGET INDIVIDUATION

Veronica Mazza, Silvia Pagano, & Alfonso Caramazza
University of Trento

N2PC MODULATIONS REVEAL A LOCAL FEATURE FILTERING MECHANISM IN THE HUMAN BRAIN

Pierre Jolicoeur¹, Ulysse Fortier-Gauthier¹, Sebrina Aubin¹, Isabelle Corriveau¹, Manon Maheux¹, & Roberto Dell’Acqua²
¹University of Montreal, ²University of Padova

8:30 A.M.–10:15 A.M.
PIANO TERRA (Ground Floor)
Palazzo Degli Affari Building (PDA)

Symposium 4.2

RESPONSE TO FOOD-RELATED STIMULI AND BODY WEIGHT: NEURAL, PERIPHERAL, AND BEHAVIORAL DATA
Chair: Jens Blechert
Salzburg University

CORTICAL PROCESSING OF DIFFERENT TASTANTS IN HUMANS: A MATTER OF TIME
Kathrin Ohla
German Institute of Human Nutrition Potsdam-Rehbrücke

THE INFLUENCE OF BODY WEIGHT ON THE SPATIO-TEMPORAL DYNAMICS WHEN VIEWING HIGH- AND LOW-ENERGETIC FOODS
Ulrike Toepel
University Hospital Lausanne, University of Lausanne
FOOD-RELATED EVOKEO MAGNETIC FIELDS PREDICT WEIGHT LOSS
Hubert Preissl & Maike Hege
University of Tübingen

ABNORMAL ATTENTIONAL PROCESSING OF FOOD CUES IN OVERWEIGHT AND OBESE INDIVIDUALS: ELECTROPHYSIOLOGICAL EVIDENCE
Ingmar Franken & Nijs Ilse
University of Rotterdam

LOVED AND HATED: EYEBLINK STARTLE REVEALS AMBIGUOUS RESPONSES TO HIGH-CALORIE FOOD IMAGES DURING HEDONIC FOOD DEPRIVATION
Jens Blechert\(^1\), Eva Naumann\(^2\), Julian Schmitz\(^3\), Beate M. Herbert\(^1\), & Brunna Tuschen-Caffier\(^2\)
\(^1\)University of Salzburg, \(^2\)University of Freiburg, \(^3\)University of Ulm

8:30 A.M.–10:15 A.M.
SALA CENTRALE – Secondo Piano
(Main Hall – Second Floor)
Palazzo Degli Affari Building (PDA)

Symposium 4.3

THE HOW AND WHY OF TRYING HARDER: NEW PERSPECTIVES ON THE PSYCHOPHYSIOLOGY OF EFFORT
Chairs: Guido H.E. Gendolla\(^1\) & Rex A. Wright\(^2\)
\(^1\)University of Geneva, \(^2\)University of North Texas

GENDER DIFFERENCES IN EFFORT-RELATED CARDIOVASCULAR RESPONSE: WHEN MEN AND WOMEN PLACE DIFFERENT VALUE ON INCENTIVES
Rex A. Wright\(^1\) & Patricia Barreto\(^2\)
\(^1\)University of North Texas, \(^2\)University of Florida

TASK-CONTEXT EFFECTS ON EFFORT-RELATED CARDIOVASCULAR REACTIVITY
Michael Richter
University of Geneva
RESOURCE CONSERVATION MODERATES AUTOMATIC EFFORT MOBILIZATION: EFFECTS ON CARDIAC RESPONSE
Guido H.E. Gendolla
University of Geneva

PHYSIOLOGICAL AND NEURAL MECHANISMS UNDERLYING ANGER FACILITATION OF MENTAL EFFORT
Sarah N. Garfinkel, Nakulan Navaratnam, Emma Zorab, & Hugo D. Critchley
Brighton and Sussex Medical School

PSYCHOPHYSIOLOGY OF PERCEIVED EFFORT DURING PHYSICAL TASKS
Samuele Marcora¹, Helma deMorree², & Walter Staiano¹
¹University of Kent, ²University of Tilburg

10:15 A.M.–11:00 A.M.
CAVANIGLIA PAVILION
Fortezza Da Basso Building

Refreshment Break

10:15 A.M.–7:30 P.M.
CAVANIGLIA PAVILION
Fortezza Da Basso Building

Exhibits Open

11:00 A.M.–12:00 noon
AUDITORIUM (Lower Level)
Palazzo Dei Congressi Building (PDC)

Invited Address

EMOTION AND DECISION-MAKING MECHANISMS
Edmund T. Rolls, PhD
Oxford Centre for Computational Neuroscience, Oxford, United Kingdom

12:00 noon–1:30 P.M.

Break for Lunch (on your own)
2013 Program Schedule—Friday

12:00 noon–1:30 P.M.
SALA CENTRALE – Primo Piano (Main Hall – First Floor)
Palazzo Degli Affari Building (PDA)

Women in Science and Education (WISE) Luncheon
Gender Diversity in the Lab
(Pre-registration required.)

12:00 noon–1:30 P.M.

2014 Program Committee
(Meet in the SPR Registration Area at 12:00 noon.)

12:00 noon–1:30 P.M.

Education and Training Committee
(Meet in the SPR Registration Area at 12:00 noon.)

1:30 P.M.–3:00 P.M.
PIANO INFERIORE (Lower Floor – Basement)
Palazzo Degli Affari Building (PDA)

Symposium 5.1

PSYCHOPHYSIOLOGICAL AND
NEUROBIOLOGICAL INDICES OF
INTERNALIZING PSYCHOPATHOLOGY

Chairs: Antonia N. Kaczkurkin & Shmuel M. Lissek
University of Minnesota
Discussant: Greg Hajcak
Stony Brook University

THE EFFECTS OF RECURRENT EPISODES OF
DEPRESSION ON STARTLE RESPONSES: A
LONGITUDINAL POPULATION-
REPRESENTATIVE STUDY

Uma Vaidyanathan, Evan J. Welo, Stephen M.
Malone, Scott J. Burwell, & William G. Iacono
University of Minnesota

TEMPORAL STABILITY OF INDIVIDUAL
DIFFERENCES IN THE ACQUISITION AND
GENERALIZATION OF FEAR

David Torrents-Rodas, Miquel À. Fullana, Albert
Bonillo, Óscar Andiñón, Xavier Caseras, & Rafael
Torrubia
Autonomous University of Barcelona
TRAIT ANXIETY LEVELS MODULATE THREAT-LEARNING DURING ADOLESCENCE
Lauren Heathcote, Kathrin Cohen Kadosh, Robin A. Murphy, Anneke D.M. Haddad, & Jennifer Y.F. Lau
University of Oxford

GENERALIZATION OF CONDITIONED FEAR IN INDIVIDUALS WITH POST-TRAUMATIC STRESS DISORDER
Antonia N. Kaczkurkin, Philip C. Burton, Shai M. Chazin, & Shmuel M. Lissek
University of Minnesota

1:30 P.M.–3:00 P.M.
PIANO TERRA (Ground Floor)
Palazzo Degli Affari Building (PDA)

Symposium 5.2

NEW HORIZONS IN HUMAN OPTICAL IMAGING
Chair: Gabriele Gratton
University of Illinois at Urbana-Champaign

DYNAMIC MEASUREMENT OF FUNCTIONAL CONNECTIVITY USING SIMULTANEOUS FAST OPTICAL IMAGING AND MAGNETIC STIMULATION
Nathan A. Parks¹, Diane M. Beck², Kathy A. Low², Edward L. Maclin², Evelina Tapia², Silvia Savazzi², Chiara Mazzi³, Monica Fabiani², & Gabriele Gratton²
¹University of Arkansas, ²University of Illinois at Urbana-Champaign, ³University of Verona

OPTICAL BRAIN IMAGING IN PREEMIES AND INFANTS REVEALS SOPHISTICATED NETWORKS FOR AUDITORY PROCESSING
Mahdi Mahmoudzadeh¹, Fabrice Wallois¹, Ghislaine Dehaene-Lambertz², Kathy A. Low¹, Edward L. Maclin¹, Monica Fabiani¹, & Gabriele Gratton¹
¹University of Picardie, ²Neurospin, ³University of Illinois at Urbana-Champaign
TAKING THE PULSE OF THE BRAIN: USE OF DIFFUSIVE OPTICAL IMAGING TO ASSESS THE STATE OF THE BRAIN’S VASCULATURE
Monica Fabiani, Kathy A. Low, Edward L. Maclin, Chin-Hong Tan, Benjamin Zimmerman, Mark A. Fletcher, & Gabriele Gratton
University of Illinois at Urbana-Champaign

ADVANCES IN THERMAL IMAGING FOR MONITORING PHYSIOLOGY AND SOCIAL INTERACTION UNOBTRUSIVELY
Arcangelo Merla
University of Chieti-Pescara

1:30 P.M.–3:00 P.M.
SALA CENTRALE – Secondo Piano
(Main Hall – Second Floor)
Palazzo Degli Affari Building (PDA)

Symposium 5.3

AUDITORY PROCESSING FROM THE BRAINSTEM TO THE CORTEX
Chairs: Carles Escera¹ & Kimmo Alho²
¹University of Barcelona, ²University of Helsinki

NEUROCOMPUTATION UNDERLYING SOUND SEGREATION: FROM PERIPHERY TO PERCEPT
Claude Alain¹² & Gavin M. Bidelman³
¹Rotman Research Institute at Baycrest Centre, ²University of Toronto, ³The University of Memphis

MULTIPLE LEVELS OF AUDITORY CHANGE DETECTION IN THE HUMAN BRAIN
Sabine Grimm & Carles Escera
University of Barcelona

AUDITORY CORTEX IS HIGHLY TUNED TO THE EMERGENCE OF REGULAR PATTERNS IN SOUND SEQUENCES
Nicolas Barascud & Maria Chait
University College London

PROCESSING OF ATTENDED AND IGNORED SOUNDS IN THE HUMAN BRAIN
Kimmo Alho
University of Helsinki, and Aalto University
3:00 P.M.–3:45 P.M.  
CAVANIGLIA PAVILION  
Fortezza Da Basso Building  

Refreshment Break  

3:45 P.M.–5:15 P.M.  
PIANO INFERIORE (Lower Floor – Basement)  
Palazzo Degli Affari Building (PDA)  

Symposium 6.1  

CLINICAL APPLICATIONS OF LABORATORY MANIPULATIONS OF UNCERTAIN THREAT  
Chair: Daniel E. Bradford  
University of Wisconsin–Madison  
Discussant: Christopher J. Patrick  
Florida State University  

ETHNIC/RACIAL DIFFERENCES IN SENSITIVITY TO UNCERTAIN THREAT  
Brady D. Nelson, Jeffrey Bishop, Casey Sarapas, Rick Kittles, & Stewart A. Shankman  
University of Illinois at Chicago  

GENETIC VARIANTS RELATED TO DEFICIENT FEAR CONDITIONING: A PATHWAY TO UNCERTAINTY  
Johanna M.P. Baas & Ivo Heitland  
Utrecht University  

RECOVERY OF CONTEXTUAL DEPENDENT FEAR-POTENTIATED STARTLE RESPONDING: AN EXPERIMENTAL INVESTIGATION OF RELAPSE OF ANXIETY  
Riet Fonteyne, Debora Vansteeneugen, & Dirk Hermans  
KU Leuven
ALCOHOL INDUCED STRESS NEUROADAPTATION: CROSS SECTIONAL EVIDENCE FROM STARTLE POTENTIATION AND ERPS IN HEALTHY DRINKERS AND ABSTINENT ALCOHOLICS DURING UNCERTAIN THREAT

Daniel E. Bradford¹, Christine A. Moberg¹, Mark J. Starr¹, Courtney A. Motschman², Rachel A. Korhumel¹, & John J. Curtin¹
¹University of Wisconsin–Madison, ²University of Buffalo, SUNY

3:45 P.M.—5:15 P.M.
PIANO TERRA (Ground Floor)
Palazzo Degli Affari Building (PDA)

Symposium 6.2

EXTREME EEG: PSYCHOPHYSIOLOGY WHERE AND WHEN YOU’D LEAST EXPECT IT

Chair: Greg J. Siegle
University of Pittsburgh School of Medicine
Discussant: Greg Hajcak
Stony Brook University

MOBILE HIGH AFFECT SINGLE SUBJECT EEG: FROM CALIBRATION TO PUBLIC DATABASE

Greg J. Siegle¹ & William Bird²
¹University of Pittsburgh School of Medicine, ²University of Pittsburgh

SEXUAL AROUSAL AND ORGASM AS MODEL REWARD SYSTEMS FOR EEG STUDY

Nicole Prause
University of California, Los Angeles

EEG OF EVERYDAY YOGA: FEASIBILITY OF ASSESSING OBJECTIVE MEASURES OF THE SUBJECTIVE EXPERIENCE OF YOGA

Neilly Buckalew & Greg J. Siegle
University of Pittsburgh School of Medicine
SYNCHRONIZATION OF NEURAL ACTIVITY DURING PARENT-CHILD INTERACTIONS
Brandon E. Gibb¹, Katie L. Burkhouse¹, Paul Hastings², & Greg J. Siegle³
¹Binghamton University, SUNY, ²University of California, Davis, ³University of Pittsburgh School of Medicine

3:45 P.M.–5:15 P.M.
SALA CENTRALE – Secondo Piano
(Main Hall – Second Floor)
Palazzo Degli Affari Building (PDA)

Symposium 6.3

SOCIAL VISION: THE EFFECTS OF SOCIAL FACTORS ON FACE PROCESSING
Chairs: David M. Amodio¹ & Kyle G. Ratner²
¹New York University, ²The Ohio State University

THE SPEED OF RACE
Roberto Caldara
University of Freiburg

THE NEURAL REPRESENTATION OF RACE DURING FACE CATEGORIZATION: THE INFLUENCE OF PROCESSING GOALS
Kyle G. Ratner¹, Christian Kaul², & Jay J. Van Bavel²
¹The Ohio State University, ²New York University

SOCIAL POWER INFLUENCES THE VISUAL PROCESSING OF INGROUP AND OUTGROUP FACES
David M. Amodio & Petra C. Schmid
New York University

EFFECTS OF TESTOSTERONE ADMINISTRATION ON EMOTIONAL FACE PROCESSING IN HEALTHY PARTICIPANTS AND PATIENTS WITH SOCIAL PHOBIA
Dorien Enter¹², Jacobien M. van Peer¹, Philip Spinhoven², & Karin Roelofs¹³
¹Radboud University Nijmegen, ²Leiden University, ³Donders Institute for Brain, Cognition and Behaviour
5:15 P.M.–5:30 P.M.

**Break**

5:30 P.M.–7:30 P.M.
CAVANIGLIA PAVILION
Fortezza Da Basso Building

**Poster Session III**

_Last chance to visit with the Exhibitors!_

7:45 P.M.–8:45 P.M.
SALA 5 – Villa Vittoria – Piano Terra (Ground Floor)
Palazzo Dei Congressi Building (PDC)

**Committee to Promote Student Interests**

10:00 P.M.–12:00 midnight

_Student Social_ (location to be announced)

_all students are invited!_
Saturday, October 5

7:00 A.M.–3:30 P.M.
PASSI PERDUTI (Basement – Lowest Level)
Palazzo Dei Congressi Building (PDC)

Speaker Ready Room

8:00 A.M.–7:00 P.M.
CAVANIGLIA PAVILION
Fortezza Da Basso Building

Internet Station

8:30 A.M.–12:30 P.M.
PIAZZA ADUA
Main entrance (next to the PDA Building) of the Firenze Fiera Congress & Exhibition Center

Registration Open

8:30 A.M.–10:00 A.M.
PIANO INFERIORE (Lower Floor – Basement)
Palazzo Degli Affari Building (PDA)

Symposium 7.1

CONTROLLING COGNITION: IMPLICATIONS OF COGNITION-EMOTION INTERACTIONS FOR INTERNALIZING PSYCHOPATHOLOGY

Chairs: Christine L. Larson & Daniel M. Stout
University of Wisconsin–Milwaukee

Discussant: Elaine Fox
Oxford University

THE IMPACT OF ATTENTION AND PERSONALITY ON EMOTIONAL REACTIONS
Hadas Okon-Singer
University of Haifa

EXCESSIVE INTERNALIZING BLURS THE ONLINE AFFECTIVE MARKING OF SIMPLE SELF-GENERATED ACTIONS
Gilles Pourtois & Kristien Aarts
Ghent University

NEURAL MEASURES OF THE ACCESS OF THREAT TO WORKING MEMORY IN ANXIETY
Daniel M. Stout & Christine L. Larson
University of Wisconsin–Milwaukee
IMPAIRED INHIBITION AND REDUCED WORKING MEMORY CAPACITY IN DYSPHORIA
Max Owens¹ & Nazanin Derakshan²,³
¹Binghamton University, SUNY, ²Birkbeck University of London, ³Oxford University

8:30 A.M.–10:00 A.M.
Piano Terra (Ground Floor)
Palazzo Degli Affari Building (PDA)

Symposium 7.2

NEW METHODS FOR MODELING PHYSIOLOGICAL PROCESSES IN DYADIC INTERACTIONS
Chair: Siwei Liu
University of California, Davis

DIFFERENTIAL EQUATIONS FOR EXAMINING MODELS OF PHYSIOLOGICAL COREGULATION IN DYADIC INTERACTIONS
Emilio Ferrer¹, Jonathan Helm¹, & David Sbarra²
¹University of California, Davis, ²University of Arizona

ASSESSING PHYSIOLOGICAL SYNCHRONY IN ROMANTICALLY INVOLVED DYADS DURING NONVERBAL CONDITIONS
Richard Palumbo
University of Rhode Island

DYNAMIC MODELING OF INTERPERSONAL ELECTRODERMAL ACTIVITY USING COINTEGRATION METHODOLOGY
Siwei Liu¹ & Richard Palumbo³
¹University of California, Davis, ²University of Rhode Island

INTRODUCING A METHOD TO EXAMINE RELATEDNESS AMONG INDIVIDUALS IN THEIR DYNAMIC PARASYMPATHETIC PROCESSES
Kathleen M. Gates¹, Lisa Gatzke-Kopp³, & Alysia Y. Blandon²
¹University of North Carolina, ²The Pennsylvania State University
PREDICTION IN THE PERCEPTION-ACTION CYCLE: DATA, THEORIES, AND COMPUTATIONAL MODELS

Chairs: Erich Schröger\(^1\) & István Winkler\(^2\)

\(^1\)University of Leipzig, \(^2\)Hungarian Academy of Sciences

BEYOND SENSORY MEMORY: LONGER-TERM EFFECTS ON PERCEPTUAL INFERRINGS REVEALED BY MISMATCH NEGATIVITY

Juanita Todd

University of Newcastle

A NEURONAL MODEL OF PREDICTIVE CODING ACCOUNTING FOR THE MISMATCH NEGATIVITY

Catherine Wacongne\(^1\), Jean-Pierre Changeux\(^2\), & Stanislas Dehaene\(^1\)

\(^1\)INSERM Unité 992, \(^2\)Pasteur Institute, Centre National de la Recherche Scientifique Unité de Recherche Associée

A PREDICTIVE PROCESSING BASED ACCOUNT OF AUDITORY STREAM SEGREGATION

István Winkler\(^1\), Tamás M. Böhm\(^1\), Robert W. Mill\(^1\), Alexandra Bendixen\(^1\), & Susan L. Denham\(^4\)

\(^1\)Hungarian Academy of Sciences, \(^2\)MRC Institute of Hearing Research, \(^3\)University of Leipzig, \(^4\)University of Plymouth

INFORMATION, WORKING MEMORY, AND PREDICTION: A MATHEMATICAL METAPHOR FOR ART AND MUSIC PERCEPTION?

Nori Jacoby, Merav Ahissar, & Naftali Tishby

Hebrew University of Jerusalem

PREDICTIONS ARE ENCODED WITH SENSORY TEMPLATES

Iria SanMiguel\(^1\), Andreas Widmann\(^1\), Alexandra Bendixen\(^1\), Nelson Trujillo-Barreto\(^2\), & Erich Schröger\(^1\)

\(^1\)University of Leipzig, \(^2\)Cuban Neuroscience Centre
10:00 A.M.–10:30 A.M.
PASSI PERDUTI (Basement – Lowest Level)
Palazzo Dei Congressi Building (PDC)

Refreshment Break

10:30 A.M.–11:00 A.M.
AUDITORIUM (Lowest Level)
Palazzo Dei Congressi Building (PDC)

Award for Distinguished Early Career Contribution to Psychophysiology

WHAT’S IN A BREATH?
Ilse Van Diest, PhD
Research Group on Health Psychology, KU Leuven

11:00 A.M.–12:00 noon
AUDITORIUM (Lowest Level)
Palazzo Dei Congressi Building (PDC)

Presidential Address

ANXIETY DISORDERS FROM THE PERSPECTIVE OF PSYCHOPHYSIOLOGY
Alfons O. Hamm, PhD
University of Greifswald

12:00 noon–12:15 P.M.

Break

12:15 P.M.–2:00 P.M.
CAVANIGLIA PAVILION
Fortezza Da Basso Building

Business Meeting and Luncheon
(Pre-registration required; present your ticket when requested.)

2:00 P.M.–2:15 P.M.

Break
2:15 P.M.–3:15 P.M.
AUDITORIUM (Lowest Level)
Palazzo Dei Congressi Building (PDC)

Invited Address

MULTIMODAL ASSESSMENT OF DEEP BRAIN STIMULATION EFFECTS IN TREATMENT RESISTANT DEPRESSION
Helen S. Mayberg, MD
Emory University School of Medicine, Atlanta, Georgia

3:15 P.M.–3:30 P.M.

Break

3:30 P.M.–5:00 P.M.
PIANO INFERIORE (Lower Floor – Basement)
Palazzo Degli Affari Building (PDA)

Symposium 8.1

HUMAN FACE PROCESSING: FROM RECOGNITION TO EMOTION
Chairs: Jaime Vila\textsuperscript{1} & María A. Bobes\textsuperscript{2}
\textsuperscript{1}University of Granada, \textsuperscript{2}Cuban Center of Neurosciences

RECOGNIZING FAMILIAR FACES: EVIDENCE FOR AVERAGE AND INSTANCE BASED MENTAL REPRESENTATIONS
Jürgen M. Kaufmann\textsuperscript{1}, Katharina Schierz\textsuperscript{2}, & Stefan R. Schweinberger\textsuperscript{1}
\textsuperscript{1}University of Jena, \textsuperscript{2}DFG Person Perception Research Unit, Jena

DISSOCIATION OF NEURAL CIRCUITRY FOR CONSCIOUS AND UNCONSCIOUS PROCESSING OF PERSONALLY SIGNIFICANT FACES
María A. Bobes\textsuperscript{1}, Mitchell Valdes-Sosa\textsuperscript{1}, Francisco Lopera\textsuperscript{2}, Daylin Gongora\textsuperscript{1}, Yanelys Acosta\textsuperscript{1}, Annette Valdes\textsuperscript{1}, Agustín Lage\textsuperscript{3}, Pedro Guerra\textsuperscript{2}, Alicia Sánchez-Adam\textsuperscript{3}, & Jaime Vila\textsuperscript{3}
\textsuperscript{1}Cuban Center of Neurosciences, \textsuperscript{2}University of Antioquia, \textsuperscript{3}University of Granada
EMOTION FROM IDENTITY: DISENTANGLING FAMILIARITY AND VALENCE EFFECTS
Pedro Guerra¹, Alicia Sánchez-Adam¹, María Bobes², Agustín Lage³, Inmaculada León³, & Jaime Vila¹
¹University of Granada, ²Cuban Center of Neurosciences, ³University of La Laguna

FACE TO FACE: INTENSIFIED PROCESSING OF FACIAL EXPRESSIONS DEPENDS ON SOCIAL SIGNIFICANCE
Florian Bublatzky, Antje B.M. Gerdes, & Georg W. Alpers
University of Mannheim

FACES AND SCENES: PERCEPTION AND LEARNING
Margaret M. Bradley
University of Florida

3:30 P.M.–5:00 P.M.
Piano Terra (Ground Floor)
Palazzo Degli Affari Building (PDA)

Symposium 8.2

NEURAL MECHANISMS UNDERLYING POSITIVE AND NEGATIVE COGNITIVE BIASES IN EMOTION
Chairs: Tatjana Aue¹ & Hadas Okon-Singer²
¹University of Geneva, ²University of Haifa

USING COGNITIVE PSYCHOLOGY AND MOLECULAR GENETICS TO UNDERSTAND THE NATURE OF THE COGNITIVE BIASES THAT ARE ASSOCIATED WITH MENTAL WELL-BEING
Elaine Fox
University of Essex

BELIEF UPDATING IN CLINICALLY DEPRESSED PATIENTS
Tali Sharot¹, Neil Garrett¹, Paul Faulkner¹, Christoph Korn¹, Hauke Heekeren¹, Jon Rosier¹, & Raymond J. Dolan¹
¹University College London, ²Free University of Berlin
ILLUSORY CORRELATIONS BETWEEN FEAR-RELEVANT AND AVERSIVE STIMULI IN SPIDER PHOBIA
Julian Wiemer, Stefan Schulz, Philipp Reicherts, Evelyn Glotzbach-Schoon, Marta Andreatta, Andreas Mühlberger, & Paul Pauli
University of Würzburg

EXPECTANCY AND ATTENTION BIASES AND THEIR ASSOCIATION: NEURAL AND BEHAVIORAL EVIDENCE
Tatjana Aue¹ & Hadas Okon-Singer²
¹University of Geneva, ²University of Haifa

3:30 P.M.–5:00 P.M.
SALA CENTRALE – Secondo Piano
(Main Hall – Second Floor)
Palazzo Degli Affari Building (PDA)

Symposium 8.3

FUNCTIONAL AND EFFECTIVE CONNECTIVITY OF COGNITIVE CONTROL
Chair: Rene J. Huster
University of Oldenburg

LARGE-SCALE BRAIN NETWORK OSCILLATORY INTERACTIONS SUPPORT COGNITIVE CONTROL PROCESSES, AND HAVE IMPLICATIONS FOR UNDERSTANDING BEHAVIOR
Mike X. Cohen
University of Amsterdam

COGNITIVE CONTROL FOLLOWING ERRORS: TOP-DOWN MODULATIONS IN VISUAL AREAS AND THE ROLE OF ACETYLCHOLINE
Claudia Danielmeier¹ & Markus Ullsperger²
¹University of Nijmegen, ²University of Magdeburg
THE PREFRONTAL CORTEX AND HIGHER SENSORY AREAS CO-DIRECT THE BASAL GANGLIA TO PASS THE MOST OPTIMAL RESPONSE
Sara Jahfari, Richard K. Ridderinkhof, Lourens Waldorp, & H. Steven Scholte
University of Amsterdam

EFFECTIVE CONNECTIVITY OF BRAIN NETWORKS UNDERLYING STOPPING BEHAVIOR
Rene J. Huster, Christina F. Lavallee, & Christoph S. Herrmann
University of Oldenburg

5:00 P.M.–7:00 P.M.
CAVANIGLIA PAVILION
Fortezza Da Basso Building

Poster Session IV

6:15 P.M.–7:00 P.M.
CAVANIGLIA PAVILION
Fortezza Da Basso Building

Student Poster Award Committee Meeting
(Meet at the front entrance in the foyer area.)

9:00 P.M.–12:00 midnight
CAVANIGLIA PAVILION
Fortezza Da Basso Building

Saturday Night Social
All attendees and guests are welcome!
Sunday, October 6

9:00 A.M.–12:30 P.M.
SALA 9 – Villa Vittoria – Piano Terra (Ground Floor)
Palazzo Dei Congressi Building (PDC)

**SPR Board of Directors Meeting**
| Poster Session I  
Wednesday, October 2 |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Poster Session Schedule</strong></td>
</tr>
<tr>
<td>4:00 P.M.–6:00 P.M.</td>
</tr>
<tr>
<td>6:00 P.M.–8:00 P.M.</td>
</tr>
<tr>
<td>8:00 P.M.–8:30 P.M.</td>
</tr>
</tbody>
</table>

1. **THE DEPLOYMENT OF SPATIAL VISUAL ATTENTION AMONG MULTIPLE TARGETS**  
   Vera Ferrari¹, Riccardo Calletti¹, Jana Estocinova¹, Elisa Santandrea¹, Chiara Della Libera¹, Maurizio Codispoti², & Leonardo Chelazzi¹  
   ¹University of Verona, ²University of Bologna

2. **REPETITION AND EMOTION DURING AN EXPLICIT CATEGORIZATION TASK**  
   Serena Mastria¹, Vera Ferrari², & Maurizio Codispoti¹  
   ¹University of Bologna, ²University of Verona

3. **NATURAL SCENE IDENTIFICATION AND ERPS**  
   Andrea De Cesarei, Ilaria Peverato, & Maurizio Codispoti  
   University of Bologna

4. **TIME WILL TELL: EMOTIONAL RESPONSES TO PHASE SCRAMBLED NATURAL SCENES**  
   Maurizio Codispoti & Andrea De Cesarei  
   University of Bologna

5. **PHYSICAL VERSUS EMOTIONAL SALIENCY: WHAT GUIDES EYE MOVEMENTS?**  
   Joanna Pilarczyk¹, Szymon Wichary², & Michał Kuniecki³  
   ¹Jagiellonian University, ²Warsaw School of Social Sciences and Humanities

6. **SACCADE-RELATED ELECTRICAL BRAIN ACTIVITY IN ANTICIPATION OF A MEMORY TEST**  
   Andrey R. Nikolaev¹, Peter Jurica², Chie Nakatani¹, Gijs Plomp³, & Cees van Leeuwen¹  
   ¹KU Leuven, ²RIKEN Brain Science Institute, ³University of Geneva
7. CORTICAL SOURCES OF ERP IN THE PROSACCade AND ANTISACCade TASK USING REALISTIC SOURCE MODELS
John E. Richards
University of South Carolina

8. INDIVIDUAL DIFFERENCES IN WORKING MEMORY MODERATE THE RELATIONSHIP BETWEEN ANTISACCade ERROR RATE AND PROSACCade LATENCY
Lingxi Chi¹, Cynthia E. Krafft¹, Qingyang Li², Nicolette F. Schwarz¹, David J. Schaeffer¹, & Jennifer E. McDowell¹
¹University of Georgia, ²Child Mind Institute

9. NEURAL CORRELATES OF GOAL-RELATED FACIAL PROCESSING IN NARCISSISM
Matthew E. Hudgens-Haney¹, Elizabeth A. Krusemark², Keith Campbell¹, & Brett A. Clementz¹
¹University of Georgia, ²University of Wisconsin–Madison

10. ABERRANT NEURONAL OSCILLATORY PATTERNS DURING SUSTAINED VISUAL ATTENTION IN SCHIZOPHRENIA AND HIGH/LOW WORKING MEMORY SPAN
William T. Oliver¹, Jordan P. Hamm¹, Anastasia M. Bobilev¹, Lauren K. Hayrynen¹, Matt E. Hudgens-Haney¹, Peter F. Buckley², John A. Sweeney³, Jennifer E. McDowell¹, & Brett A. Clementz¹
¹University of Georgia, ²Medical College of Georgia, ³University of Texas Southwestern

11. TOP DOWN FUNCTIONAL INTERACTIONS OF FRONTAL REGIONS DURING MEMORY MAINTENANCE MEDIATED BY THETA OSCILLATION
Brigitta Tóth, Zsófia Kardos, Bálint File, Roland Boha, & Márk Molnár
Hungarian Academy of Sciences

12. ALTERED FRONTAL-MIDLINE THETA DYNAMICS ACCOUNT FOR AGING EFFECT ON SHORT- AND LONG-TERM MEMORY RETRIEVAL
Zsófia Kardos, Brigitta Tóth, Bálint File, Roland Boha, & Márk Molnár
Hungarian Academy of Sciences
13. **SOURCE LEVEL BASED INVESTIGATION OF AGE-RELATED CHANGES IN RESTING STATE FUNCTIONAL CONNECTIVITY**
Bálint File, Brigitta Tóth, Zsófia Kardos, Roland Boha, & Márk Molnár
Hungarian Academy of Sciences

14. **THE FEMALE IS A REAL ODDBALL BETWEEN MALES: A VMMN STUDY TO AUTOMATIC GENDER FACE CATEGORY CHANGING**
Krisztina Kecskés-Kovács\(^1\,\^2\), István Sulykos\(^2\,\^3\), & István Czigler\(^2\,\^3\)
\(^1\)University of Debrecen, \(^2\)Hungarian Academy of Sciences, \(^3\)Eötvös Loránd University

15. **ILLUSORY BRIGHTNESS CHANGES ELICIT VISUAL MISMATCH NEGATIVITY COMPONENT**
István Sulykos & István Czigler
Hungarian Academy of Sciences

16. **PREDICTION-MATCH AND -MISMATCH BRAIN RESPONSES IN PASSIVE VIEWING: AN ERP STUDY**
Motohiro Kimura & Yuji Takeda
National Institute of Advanced Industrial Science and Technology

17. **THE MISMATCH NEGATIVITY AS INDEX FOR IMPAIRED SENSORY PROCESSING IN CHILDREN WITH SPECIFIC LANGUAGE IMPAIRMENT**
Christian Dobel\(^1\), Katharina Feldker\(^1\), Verena Bremer\(^1\), Antoinette am Zehnhoff-Dinnessen\(^1\), & Lisa Bartha-Doering\(^1\)
\(^1\)University of Münster, \(^2\)University of Vienna

18. **BREAKING DOWN BIAS**
Juanita Todd\(^1\), Daniel Mullens\(^1\), Karlye Damasio\(^1\), Lisa R. Whitson\(^1\), Alex Provost\(^1\), Andrew Heathcote\(^1\), & Istvan Winkler\(^2\)
\(^1\)The University of Newcastle, \(^2\)University of Helsinki

19. **NEURAL CORRELATES OF ENGLISH SUBJECT-VERB AGREEMENT VIOLATIONS IN 3- TO 11-YEAR-OLD CHILDREN**
Valerie L. Shafer\(^1\), Emily Zane\(^1\), Sarah Kresh\(^1\), Chiara Cantiani\(^2\), Richard G. Schwartz\(^1\), & April A. Benasich\(^3\)
\(^1\)The Graduate Center, CUNY, \(^2\)Scientific Institute ‘E. Medea’, \(^3\)Rutgers, The State University of New Jersey
20. T-COMPLEX NEURAL MEASURES OF LANGUAGE EXPERIENCE IN BILINGUAL VERSUS MONOLINGUAL CHILDREN
Tanja Rinker¹, Valerie L. Shafer¹,², Yan H. Yu², Carol Tessel², & Nancy Vidal²
¹University of Konstanz, ²The Graduate Center, CUNY

21. AN ERP INVESTIGATION OF BIDIRECTIONAL CROSS-LANGUAGE INFLUENCES IN BILINGUAL WORD PROCESSING
Tamar Degani¹, Alba Tuninetti², & Natasha Tokowicz²
¹University of Haifa, ²University of Pittsburgh

22. USING TWO DIALECTS IN EVERYDAY LIFE IMPROVES EXECUTIVE FUNCTIONS: A SEMI-BILINGUAL ADVANTAGE EFFECT
Haoyun Zhang¹, Yanjing Wu², & Taomei Guo¹
¹Beijing Normal University, ²The University of Sheffield

23. INHIBITION PROCESSES IN BILINGUALS: IDENTIFYING NEURAL ADVANTAGES FOR BILINGUAL LANGUAGE BROKERS
Loyola University Chicago

24. INHIBITION AND SHIFTING ARE DISTINGUISHED BY TEMPORAL DIFFERENCES IN EARLY NEURAL PROCESSING
Loyola University Chicago

25. ERP CORRELATES OF AGE-RELATED DEFICITS IN TASK SWITCHING
Sergei A. Schapkin¹, Patrick D. Gajewski², & Gabriele Freude¹
¹Federal Institute for Occupational Safety and Health, ²Leibniz Research Centre for Working Environment and Human Factors
26. PERCEPTUAL DECISION MAKING IN OLDER AGE: AN INVESTIGATION USING EVENT-RELATED POTENTIALS
Aoife M. Hayes, Simon P. Kelly, & Redmond G. O’Connell
1Trinity College Dublin, 2City College, CUNY

27. ERROR AWARENESS DEFICITS IN OLDER ADULTS: EVIDENCE FROM EVENT-RELATED POTENTIALS AND TRANSCRANIAL DIRECT CURRENT STIMULATION
Siobhan Harty, Ian H. Robertson, & Redmond G. O’Connell
Trinity College Dublin

28. SIMULTANEOUS EEG MEASUREMENT OF THE DISTRIBUTION OF VISUO-SPATIAL ATTENTION ACROSS THE HORIZONTAL AND VERTICAL PLANE
Ger M. Loughnane, Edmund C. Lalor, & Redmond G. O’Connell
Trinity College Dublin

29. PUPIL DIAMETER COVARIATES WITH BOLD ACTIVITY IN HUMAN LOCUS COERULEUS
Peter R. Murphy, Redmond G. O’Connell, Michael O’Sullivan, Ian H. Robertson, & Joshua H. Balsters
Trinity College Institute of Neuroscience

30. THE TEMPORAL DYNAMICS OF DECISION FORMATION AND MOTOR PREPARATION IN HUMAN DECISION-MAKING
Deirdre Twomey, Simon P. Kelly, & Redmond G. O’Connell
1Trinity College Dublin, 2City College, CUNY

31. EMPATHY MODULATES OBSERVATIONAL LEARNING IN DECISION MAKING
Chang-Hao Kao & Nai-Shing Yen
National Chengchi University

32. EMOTIONAL STATE AFFECTS FUNCTIONAL CONNECTIVITY BETWEEN VISUAL, ATTENTIONAL, AND AFFECTIVE CORtical AREAS DURING VISUAL PERCEPTION
Mirosław Wyczesany & Szczepan Grzybowski
Jagiellonian University
33. NETWORK INVOLVING THE RIGHT ANTERIOR INSULAR CORTEX DEPENDS ON THE CONTENTS OF ANTICIPATED VISUAL STIMULI
Yoshimi Ohgami\textsuperscript{1}, Yasunori Kotani\textsuperscript{1}, Jun-ichiro Arai\textsuperscript{2}, Shigeru Kiryu\textsuperscript{1}, & Yusuke Inoue\textsuperscript{4}
\textsuperscript{1}Tokyo Institute of Technology, \textsuperscript{2}Daikin Industries, \textsuperscript{3}The University of Tokyo, \textsuperscript{4}Kitasato University

34. ACTIVITY IN THE INSULAR CORTEX INVOLVED IN ANTICIPATION OF POSITIVE AND NEGATIVE FEEDBACK STIMULI
Yasunori Kotani\textsuperscript{1}, Yoshimi Ohgami\textsuperscript{1}, Jun-ichiro Arai\textsuperscript{2}, Shigeru Kiryu\textsuperscript{1}, & Yusuke Inoue\textsuperscript{4}
\textsuperscript{1}Tokyo Institute of Technology, \textsuperscript{2}Daikin Industries, \textsuperscript{3}The University of Tokyo, \textsuperscript{4}Kitasato University

35. FUNCTIONAL CONNECTIVITY OF INSULA AND ANTERIOR CINGULATE CORTEX DURING DECISION-MAKING UNDER AMBIGUITY
Anita Schick\textsuperscript{1}, Ruth Adam\textsuperscript{1}, Philipp Kanske\textsuperscript{2}, Barbara Vollmayr\textsuperscript{1}, Christine Kuehner\textsuperscript{1}, & Michèle Wessa\textsuperscript{3}
\textsuperscript{1}Heidelberg University, \textsuperscript{2}Max Planck Institute for Human Cognitive and Brain Sciences, \textsuperscript{3}Johannes Gutenberg University of Mainz

36. NEURAL MECHANISMS MEDIATING ASSOCIATION OF SYMPATHETIC ACTIVITY AND EXPLORATION IN DECISION MAKING
Hideki Ohira\textsuperscript{1}, Masahiro Matsunaga\textsuperscript{2}, Hiroki Murakami\textsuperscript{1}, Takahiro Osumi\textsuperscript{4}, Seisuke Fukuyama\textsuperscript{1}, Jun Shinoda\textsuperscript{1}, & Jitsuhito Yamada\textsuperscript{1}
\textsuperscript{1}Nagoya University, \textsuperscript{2}Aichi Medical University, \textsuperscript{3}National Center of Neurology and Psychiatry, \textsuperscript{4}Keio University, \textsuperscript{5}Kizawa Memorial Hospital

37. MODULATION OF DECISION-MAKING AND ACCOMPANYING PHYSIOLOGICAL RESPONSES BY ACUTE STRESS
Kaori Yamakawa\textsuperscript{1}, Masahiro Matsunaga\textsuperscript{2}, Tokiko Isowa\textsuperscript{3}, & Hideki Ohira\textsuperscript{1}
\textsuperscript{1}Nagoya University, \textsuperscript{2}Aichi Medical University, \textsuperscript{3}Mie University

38. FLEXIBLE ADJUSTMENT OF ANTICIPATORY AFFECT BY RELATIVE VALUE
Asako Toyama & Hideki Ohira
Nagoya University
39. EMOTION EFFECTS ON THE NEURAL BASIS OF DECISION-MAKING IN THE ULTIMATUM GAME
Johannes Hewig¹, John J.B. Allen², Carolin Richter³, Holger Hecht³, & Wolfgang H.R. Milnert³
¹University of Würzburg, ²University of Arizona, ³University of Jena

40. COMPARISON OF LONG-TERM PHYSICAL EXERCISE AND MEDITATION IN AN AGING POPULATION
Yi-Yuan Tang¹, Yaxin Fan², & Michael I. Posner³
¹Texas Tech University, ²Dalian University of Technology, ³University of Oregon

41. AN EVENT-RELATED POTENTIAL STUDY ON THE EFFECTS OF SPORT TYPES ON INHIBITORY FUNCTIONS OF FEMALE ELDERLY
Peng-Chun Lin¹, Chung-Ju Huang², & Tsung-Min Hung³
¹Taipei Municipal University of Education, ²Taipei Physical Education College, ³National Taiwan Normal University

42. PHYSICAL ACTIVITY PROGRAM IMPROVES MOTOR ABILITY, INHIBITION, AND NEUROELECTRIC PERFORMANCE IN CHILDREN WITH ATTENTION-DEFICIT/HYPERACTIVITY DISORDER
Chiao-Ling Hung¹, Chung-Ju Huang², & Tsung-Min Hung³
¹National Taiwan Normal University, ²Taipei Physical Education College

43. EFFECTS OF EIGHT WEEKS PHYSICAL ACTIVITY INTERVENTION ON RESTING EEG IN CHILDREN WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER
Chin-Wen Huang¹, Chung-Ju Huang², Chiao-Ling Hung¹, & Tsung-Min Hung³
¹National Taiwan Normal University, ²Taipei Physical Education College

44. FRONTAL MIDLINE THETA AND PUTTING PERFORMANCE IN GOLF NOVICES
Cheng Shen¹, Chung-Ju Haung², & Tsung-Min Hung³
¹National Taiwan Normal University, ²Taipei Physical Education College
45. HIGHER COHERENCES DURING GOLF PUTTING EXECUTION ARE ASSOCIATED WITH BETTER PERFORMANCE
Jen-Ying Su\textsuperscript{1}, Ming-Yang Cheng\textsuperscript{2}, Yi-Chieh Chen\textsuperscript{1}, Chung-Ju Huang\textsuperscript{3}, \& Tsung-Min Hung\textsuperscript{2}
\textsuperscript{1}Taipei Municipal University of Education, \textsuperscript{2}National Taiwan Normal University, \textsuperscript{3}Taipei Physical Education College

46. THE RELATIONSHIP BETWEEN SENSORY MOTOR RHYTHM AND PERFORMANCE IN SKILLED AIR PISTOL SHOOTERS
Yu-Long Tu\textsuperscript{1}, Cheng Shen\textsuperscript{1}, Jen-Ying Su\textsuperscript{2}, Ming-Yang Cheng\textsuperscript{1}, Chung-Ju Huang\textsuperscript{1}, \& Tsung-Min Hung\textsuperscript{3}
\textsuperscript{1}National Taiwan Normal University, \textsuperscript{2}Taipei Municipal University of Education, \textsuperscript{3}Taipei Physical Education College

47. CAN WE TRAIN THE BRAIN TO DRAIN PUTTS? AN INVESTIGATION OF THE EFFECTIVENESS OF NEUROFEEDBACK TRAINING IN SPORT
Andrew Cooke\textsuperscript{1}, Maria Kavussanu\textsuperscript{2}, David McIntyre\textsuperscript{2}, Richard Masters\textsuperscript{3}, \& Christopher Ring\textsuperscript{2}
\textsuperscript{1}Bangor University, \textsuperscript{2}University of Birmingham, \textsuperscript{3}University of Hong Kong

48. EEG ALPHA AND THETA ACTIVITY IN QIGONG: SAME EFFECTS OF MENTAL PRACTICE AND PHYSICAL TRAINING?
Diana Henz, Alexander Eekhoff, \& Wolfgang I. Schöllhorn
Johannes Gutenberg University of Mainz

49. NEURAL BASIS OF THE COMPREHENSION OF COMPLEX JOINT ACTIONS IN ELITE DANCERS
Juan F. Cardona\textsuperscript{1,2}, Lucia Amoruso\textsuperscript{1,2}, Juan Kamienkowsky\textsuperscript{3}, Ailin Tommy\textsuperscript{1,2}, Esteban Hurtado\textsuperscript{1,2}, Mariano Sigman\textsuperscript{3}, Miguel Alvarez-Gonzalez\textsuperscript{4,5}, Facundo Manes\textsuperscript{1,2}, \& Agustin Ibañez\textsuperscript{1,2}
\textsuperscript{1}Laboratory of Experimental Psychology and Neuroscience, \textsuperscript{2}Institute of Cognitive Neurology, \textsuperscript{3}University of Buenos Aires, \textsuperscript{4}University of Design, \textsuperscript{5}Institute of Neurology and Neurosurgery
50. EFFECTS OF SCOUTING VIDEOS ON PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSES DURING MOTOR IMAGERY IN FOOTBALL PLAYERS
Matsutake Takahiro & Sugo Takayuki
Osaka University Health and Sports Science

51. A COMPARISON OF COGNITIVE FUNCTION BETWEEN HIGH- AND LOW-SKILL PROFICIENCY PERFORMERS: AN EEG STUDY OF BATON TWIRLERS
Jippo Kisho & Araki Masanobu
Osaka University of Health and Sport Sciences

52. CORTISOL AWAKENING RESPONSE STUDY OF A WEEKLY REST DAY ON ATHLETES' STRESS
Sugo Takayuki, & Matsutake Takahiro
Osaka University of Health and Sport Sciences

53. COGNITIVE AND EMOTIONAL PROCESSING, COPING STRATEGY, AND PHYSIOLOGICAL REACTIVITY IN COMPLEX TRAUMA SURVIVORS
Erica E. Gardner-Schuster, Reese Minshew, Jonathan DePierro, & Jaime McManus
The New School for Social Research

54. SOURCE IMAGING OF P300 AUDITORY EVOKED POTENTIALS AND CLINICAL CORRELATIONS IN PATIENTS WITH POST-TRAUMATIC STRESS DISORDER
Kyung-Yeol Bae
Chonnam National University Hospital

55. THE EFFECT OF SMOKING ON THE ACOUSTIC STARTLE RESPONSE AND PREPULSE INHIBITION PREDICTS A SUCCESSFUL QUIT ATTEMPT IN SMOKERS WITH AND WITHOUT POST-TRAUMATIC STRESS DISORDER
Scott R. Vrana¹, Patrick S. Calhoun², F. Joseph McClerndon², Michelle F. Dennis², Sherman T. Lee², & Jean C. Beckham²
¹Virginia Commonwealth University, ²Durham Veterans Affairs Medical Center
56. PERIPHERAL AND CENTRAL CORRELATES OF RENEWAL OF FEAR IN POST-TRAUMATIC STRESS DISORDER
Herta Flor\textsuperscript{1,2}, Manon Wicking\textsuperscript{1,2}, Frauke Steiger\textsuperscript{1,2}, Michaela Ruttorf, Oliver Grimm\textsuperscript{1,2}, Lothar R. Schad, \& Frauke Nees\textsuperscript{1,2}
\textsuperscript{1}Central Institute of Mental Health, \textsuperscript{2}Heidelberg University

57. POST-TRAUMATIC STRESS DISORDER ASSOCIATED WITH OVERGENERALIZATION OF CONDITIONED FEAR
Antonia N. Kaczkurkin, Philip C. Burton, Shai M. Chazin, \& Shmuel M. Lissek
University of Minnesota

58. INFORMATION PROCESSING IN COMBAT-INJURED U.S. MILITARY SERVICE MEMBERS: AN EVENT-RELATED BRAIN POTENTIAL ANALYSIS
Adreanna T. Massey\textsuperscript{1}, Connie C. Duncan\textsuperscript{1}, Angela C. Summers\textsuperscript{1}, Allan F. Mirsky\textsuperscript{1,2}, David M. Benedek\textsuperscript{1}, \& Louis M. French\textsuperscript{2}
\textsuperscript{1}Uniformed Services University of the Health Sciences, \textsuperscript{2}Walter Reed National Military Medical Center

59. REDUCED ELECTROCORTICAL PROCESSING OF SOCIAL SIGNALS OF THREAT IN COMBAT-RELATED POST-TRAUMATIC STRESS DISORDER
Annmarie MacNamara\textsuperscript{1}, David Post\textsuperscript{1}, Amy Kennedy\textsuperscript{1,2}, Christine A. Rabinak\textsuperscript{1}, \& K. Luan Phan\textsuperscript{1,2}
\textsuperscript{1}University of Illinois at Chicago, \textsuperscript{2}Jesse Brown VA Medical Center, \textsuperscript{3}University of Michigan

60. BLUNTED REACTIVITY TO THE ACOUSTIC STARTLE: THE EFFECTS OF TRAUMA EXPOSURE AND DISSOCIATION
Steven J. Freed\textsuperscript{1}, Jonathan DePierro\textsuperscript{1}, Wendy D’Andrea\textsuperscript{1}, \& Nnamdi Pole\textsuperscript{2}
\textsuperscript{1}The New School for Social Research, \textsuperscript{2}Smith College

61. THE VOICE OF TRAUMA: TRACES OF CHILDHOOD TRAUMA IN ONE’S VOICE
Elisa Monti \& Wendy D’Andrea
The New School for Social Research
62. **MATTERS OF THE HEART: PHYSIOLOGICAL CORRELATES OF HEART RATE AND CHILDHOOD TRAUMA**
Treva C. Van Cleave, Steven Freed, Jonathan DePierro, Reese Minshew, Ashley Doukas, Catherine McGreevy, & Wendy D’Andrea
*The New School for Social Research*

63. **DIFFERENTIAL RELATIONSHIP BETWEEN RSA AND ATTENTION NETWORKS: EVIDENCE FROM A COMMUNITY SAMPLE**
Jonathan M. DePierro, Steven J. Freed, Brittany L. Croley, & Wendy D’Andrea
*The New School for Social Research*

64. **COMFORTABLY NUMB: THE PSYCHOPHYSIOLOGY OF DIRECTED DISSOCIATION**
Reese Minshew, Erica Gardner-Schuster, Sarah Giffin, Melissa Wittnebert, & Wendy D’Andrea
*The New School for Social Research*

65. **AUTONOMIC REACTIVITY IN POSTURES EXPRESSING SOCIAL DOMINANCE**
Andrea Fortunato, Catherine Gobel, & Wendy D’Andrea
*The New School for Social Research*

66. **BOREDOM, ATTENTION, AND MOTIVATION**
Christopher R. Seemann, Daisy Burr, McWelling Todman, Wendy D’Andrea, & Marcel Kinsbourne
*The New School for Social Research*

67. **ASSOCIATION BETWEEN EMOTIONAL AWARENESS AND NEURAL CORRELATES OF INTEROCEPTION**
Yuri Terasawa¹, Yoshiya Moriguchi¹, Yusuke Kanayama¹, Kentaro Oba¹, Yuki Motomura¹, Satoshi Umeda², & Mishima Kazuo¹
¹National Center of Neurology and Psychiatry, ²Keio University

68. **BIOFEEDBACK TREATMENT IN ALEXITHYMIA: CAN IT BE HELPFUL?**
Andrea Jambrošič Sakoman & Ana Havelka Meštrović
*University Hospital Dubrava*
72. REGULATING PARASYMPATHETIC ACTIVITY BY A POSTURE-RESPIRATION AMBIENT-BIOFEEDBACK SYSTEM
Nomura Shusaku & Kusumi Akira
Nagaoka University of Technology

70. TAILORING AUTONOMIC BIOFEEDBACK TO INDIVIDUAL STRENGTHS WITH A DYNAMIC FEEDBACK SIGNAL SET
Brian L. Garrison, Laurence I. Sugarman, Joseph S. Baschnagel, & Kelsey L. Williford
Rochester Institute of Technology

71. THE INFLUENCE OF ALPHA NEUROFEEDBACK TRAINING ON PERSONALITY AND EMOTION
Yuri G. Pavlov
Ural Federal University

72. LINKING RESTING STATE EEG ASYMMETRY TO RESTING STATE fMRI WITH SIMULTANEOUS RECORDINGS
John J.B. Allen¹, Johannes S. Hewig², Holger Hecht³, Wolfgang H.R. Miltner⁴, & David M. Schnyer⁴
¹University of Arizona, ²University of Würzburg, ³University of Jena, ⁴University of Texas

73. VENTRAL CORTICAL SOURCES OF EEG ALPHA POWER PREDICT MOOD VARIABILITY
Michael R. Goldstein¹, Ezra E. Smith¹, James F. Cavanagh², & John J.B. Allen¹
¹University of Arizona, ²Brown University

74. WHERE IT'S AT: ESTIMATING SOURCES OF RESTING-STATE FRONTAL EEG ALPHA ASYMMETRY
Ezra E. Smith, James F. Cavanagh, & John J.B. Allen
University of Arizona

75. COMMUNICATION PATTERNS AND FRONTAL ASYMMETRY DURING DISCUSSIONS OF DISAGREEMENTS IN ROMANTIC PARTNERS
Anya V. Kogan & John J.B. Allen
University of Arizona
76. **NONINVASIVE TRANSCRANIAL ULTRASOUND FOR BRAIN STIMULATION: EFFECTS ON MOOD IN A PILOT STUDY**
*University of Arizona*

77. **LEVATOR IS ASSOCIATED WITH MOTIVATIONAL DIRECTION DURING ANGER AND DISGUST INDUCING FILMS**
Lauritz W. Dieckman, Michael R. Medrano, Jonathan Tate, Laura Zambrano-Vazquez, & John J.B. Allen
*University of Arizona*

78. **AUTONOMIC FLEXIBILITY IN CHILDHOOD ANXIETY DISORDERS**
Anna Alkozei1, Cathy Creswell1, Peter J. Cooper1, & John J.B. Allen2
1*University of Reading, 2University of Arizona*

79. **THE RELATIONSHIP BETWEEN OCD AND RSA AS EXPLAINED BY WORRY**
Laura Zambrano-Vazquez, Alisha Schmidt, & John J.B. Allen
*University of Arizona*

80. **DECREASED RESPIRATORY SINUS ARRHYTHMIA IN ALCOHOL-DEPENDENT PATIENTS**
Martina Carmona-Perera1, Gustavo Reyes-Del Paso2, Xavi Sumarroca-Hernández3, Angelina Santolaria-Rossell3, Miguel Pérez-García1, & Antonio Verdejo-García1,4
1*University of Granada, 2University of Jaén, 3Hospital Nostra Senyora de Meritxell, 4Monash University*

81. Withdrawn
82. THIS AND THAT: HEART RATE VARIABILITY AND WORKING MEMORY DURING DUAL TASK PERFORMANCE
DeWayne P. Williams, Lassiter F. Speller, & Julian F. Thayer
*The Ohio State University*

83. THE INFLUENCE OF HEART RATE VARIABILITY ON DECISION MAKING
Ravi R. Bhatt, DeWayne P. Williams, Brandon L. Gillie, & Julian F. Thayer
*The Ohio State University*

84. GREATER HEART RATE VARIABILITY DURING A NEGATIVE EMOTION INDUCTION IS ASSOCIATED WITH LOWER TRAIT RUMINATION AND ANXIETY
Claudia S. Cash, Anjini I. Patel, DeWayne P. Williams, & Julian F. Thayer
*The Ohio State University*

85. POWER PRIMING INFLUENCES ON THE LINK BETWEEN HEART RATE VARIABILITY AND EMOTION RECOGNITION
Brooke K. Bishop, Kinjal D. Pandya, DeWayne P. Williams, LaBarron K. Hill, & Julian F. Thayer
*The Ohio State University*

86. STATE AND TRAIT EFFECTS OF POSITIVE AFFECT ON HEART RATE VARIABILITY IN EVERYDAY LIFE
Andreas R. Schwerdtfeger¹, Peter Friedrich-Mai², & Ann Kathrin S. Gerteis³
¹*University of Graz*, ²*Johannes Gutenberg University Mainz*

87. FEAR AND DISGUST: STARTLE MODULATION AS A FUNCTION OF HEART RATE VARIABILITY
Elisabeth Ruiz-Padial¹, Gustavo Reyes del Paso¹, Francisco Esteves², José Luis Mata Martín³, Ana Claudia Ferreira¹, & Julian F. Thayer⁷
¹*University of Jaén*, ²*Mid Sweden University*, ³*University of Granada*, ⁷*University Institute of Lisbon*, ⁴*The Ohio State University*
88. THE ASSOCIATION BETWEEN NEURAL RESPONSE AND HEART RATE VARIABILITY DURING ATTENDING TO BODILY SENSATIONS
Hiroki Murakami¹, Ruri Katsunuma¹, Kentaro Oba¹, Yuri Terasawa¹, Yuki Motomura¹, Yusuke Kanayama¹, Kazuo Mishima¹, Takakazu Oka¹, Yoshiya Moriguchi¹, & Hiroshi Matsuda³
¹National Center of Neurology and Psychiatry, ²Kyushu University

89. MECHANISM AND CLINICAL EFFECTS OF HEART RATE VARIABILITY BIOFEEDBACK
Paul M. Lehrer
Robert Wood Johnson Medical School

90. SECURE ATTACHMENT REMINDERS DECREASE THREAT RELATED AMYGDALA ACTIVATION
Luke Norman, Natalia Lawrence, Andrew Iles, & Anke Karl
University of Exeter

91. COMPASSION FOR THE SELF: PSYCHOPHYSIOLOGICAL CORRELATES OF A NEW CONCEPT
Hans Kirschner, Willem Kuyken, & Anke Karl
University of Exeter

92. SENSITIZATION OF IL-6 RESPONSES TO REPEATED ACUTE STRESS IN POST-MENOPAUSAL WOMEN
Diana Wang, Myriam V. Thoma, Juliette Saltz, & Nicolas Rohleder
Brandeis University

93. SOCIAL EXCHANGES MAY BE CHRONICALLY STRESSFUL FOR THOSE WITH LOW BODY ESTEEM
Ashley M. Geiger, Kirsten Rene, Sarah Lupis, & Jutta M. Wolf
Brandeis University

94. POOR SLEEPERS SHOW BLUNTED INITIAL, BUT NOT SUBSEQUENT, CORTISOL RESPONSES TO ACUTE STRESS
Danielle Gianferante, Myriam V. Thoma, Michelle Gurt, Naomi Assaf, & Nicolas Rohleder
Brandeis University
95. INITIAL STRESS APPRAISALS PREDICT HABITUATION OF CORTISOL RESPONSES TO STRESS ACROSS REPEATED EXPOSURES
Luke Hanlin, Jonah Price, Margaret Much-Hichos, Danielle Gianferante, & Nicolas Rohleder
Brandeis University

96. SUPPRESSION OF SALIVARY CORTISOL SECRETION BY AN EXPOSURE OF ALERTING ODORANT DURING SLEEP
Masako H. Ohira¹, Kanetoshi Ito², & Shusaku Nomura³
¹Shiga University, ²Takasago International Corporation, ³Nagaoka University of Technology

97. FILM-INDUCED EMOTION, REM SLEEP, AND EMOTIONAL PROCESSING
Gabriela G. Werner, Manuel Schabus, Jens Blechert, Vitaliy Kolodyazhniy, & Frank H. Wilhelm
University of Salzburg

98. NOVEL CONDITIONED-INTRUSION PARADIGM SUPPORTS A ROLE OF ESTRADIOL IN FEAR LEARNING AND SUBSEQUENT AVERSIVE RECOLLECTION
Melanie Wegerer, Jens Blechert, Hubert Kerschbaum, & Frank H. Wilhelm
University of Salzburg

99. INCREASED HEART RATE DECELERATION AT ENCODING PREDICTS MEMORY FOR NEGATIVE ITEMS ONLY AFTER A NIGHT OF SLEEP
Tony Cunningham¹, Charles Crowell¹, Michael Villano¹, Stephen Mattingly¹, Elizabeth Kensinger², & Jessica D. Payne¹
¹University of Notre Dame, ²Boston College

100. CHANGES OF POLYSOMNOGRAPHIC SLEEP CHARACTERISTICS IN CHRONIC POST-STROKE HEMIPLEGIA
Annette Sterr¹, Christoph Nissen², Sarah Funk², Deviana Ettine², Thomas Unbehaun², Dorothee Kümmerer², & Dieter Riemann²
¹University of Surrey, ²University of Freiburg
101. BRAIN-MACHINE-INTERFACES (BMI) IN COMPLETE PARALYSIS
Niels Birbaumer\textsuperscript{1,2}, Guillermo Gallegos Ayala\textsuperscript{1}, Leonardo Cohen\textsuperscript{3}, & Ander Ramos Murguialday\textsuperscript{1}
\textsuperscript{1}University of Tübingen, \textsuperscript{2}IRCCS Ospedale San Camillo, \textsuperscript{3}National Institute of Neurological

102. ELECTROPHYSIOLOGICAL MARKERS OF EMOTION PROCESSING IN CEREBRAL PALSY: TOWARDS A CLINICAL AFFECTIVE BRAIN-COMPUTER INTERFACE
Dirk T. Hettich\textsuperscript{1}, Elaina M. Bolinger\textsuperscript{1}, Reinhold Scherer\textsuperscript{2}, Gernot R. Müller-Putz\textsuperscript{2}, Niels Birbaumer\textsuperscript{1,3}, Wolfgang Rosenstiel\textsuperscript{1}, Martin Bogdan\textsuperscript{1}, & Tamara Matuz\textsuperscript{1}
\textsuperscript{1}University of Tübingen, \textsuperscript{2}Graz University of Technology, \textsuperscript{3}IRCCS Ospedale San Camillo

103. THE P300-BASED BRAIN-COMPUTER INTERFACE WITH COMPLEX “FLASH + MOVEMENT” STIMULI
Ilya P. Ganin & Alexander Ya Kaplan
Lomonosov Moscow State University

104. PRELIMINARY ANALYSIS OF MODULATION OF EVENT-RELATED DESYNCHRONIZATION IN ROBOT-ASSISTED HAND PERFORMANCE: EFFECT OF AUGMENTED VISUAL FEEDBACK AND FORCE ADAPTATION
Mukul Mukherjee\textsuperscript{1} & Wen-Pin Chang\textsuperscript{2}
\textsuperscript{1}University of Nebraska at Omaha, \textsuperscript{2}Creighton University

105. A SMALL AND WIRELESS EEG SYSTEM TO GO: P300 BCI PERFORMANCE COMPARISON WITH A TRADITIONAL AMPLIFIER
Stefan Debener, Markus Kroesen, Reiner Emkes, & Maarten De Vos
University of Oldenburg
106. THE ASSESSMENT OF PSYCHOPHYSIOLOGICAL RESPONSE TO LABORATORY STRESS USING A WIRELESS AMBULATORY SYSTEM: A VALIDATION STUDY
Mustafa al’Absi¹, Motohiro Nakajima¹, Bingshuo Li¹, Santosh Kumar², Emre Ertin³, Marcia S. Scott⁴, & Lorentz Wittmers¹
¹University of Minnesota Medical School, ²The University of Memphis, ³The Ohio State University, ⁴National Institute on Alcohol Abuse and Alcoholism

107. “DUAL-PROBE” P300-BASED PROTOCOL FOR DETECTION OF CONCEALED INFORMATION: MOCK CRIME AND INCIDENTALLY ACQUIRED INFORMATION
Elena Labkovsky & J. Peter Rosenfeld
Northwestern University

108. USING THE P300-BASED COMPLEX TRIAL PROTOCOL (CTP) VARIANT OF THE CONCEALED INFORMATION TEST TO DETECT INCIDENTALLY ACQUIRED EVERYDAY INFORMATION
John B. Meixner & J. Peter Rosenfeld
Northwestern University

109. EFFECTS OF PICTORIAL AND VERBAL STIMULI ON CENTRAL AND PERIPHERAL DETAILS IN A P300 CONCEALED INFORMATION TEST
Michael R. Winograd & J. Peter Rosenfeld
Northwestern University

110. AN INTRA-INDIVIDUAL EVENT-RELATED POTENTIAL-BASED CONCEALED ATTITUDE TEST
David R. Herring¹, Gabriela Terrazas¹, Linsa N. Jabeen¹, Ciara K. Kidder¹, John J.B. Allen³, J. Peter Rosenfeld³, & Stephen L. Crites Jr.¹
¹University of Texas at El Paso, ²University of Arizona, ³Northwestern University

111. EXTRACTING CRITICAL INFORMATION FROM SEGMENTAL KNOWLEDGE OF GROUPS USING THE CONCEALED INFORMATION TEST
Eitan Elaad
Ariel University
112. NUMBER OF AVERAGED ELECTROENCEPHALOGRAPHY EPOCHS FOR CORRECT DETECTION WITH A NEW MULTIPLE PROBE PROTOCOL FOR P300-BASED CONCEALED INFORMATION TESTS
Shinji Hira¹, Yuki Hamamoto², & Isato Furumitsu³
¹Fukuyama University, ²Shizuoka Prefectural Police Headquarters, ³University of East Asia

113. THE WEAPON FOCUS EFFECT REVISITED: PHYSICAL SHARPNESS OR EMOTION AROUSAL
Yuki Hamamoto¹, Shinji Hira², & Hideki Ohira³
¹Shizuoka Prefectural Police Headquarters, ²Fukuyama University, ³Nagoya University

114. DON'T TELL ANYONE...THE INFLUENCE OF ANTICIPATORY CUES ON RESPONSES TO REVELATIONS OF MUNDANE AND EXCITING SECRETS
Sarah E. Wood¹, Jessica K. Swanner², Michael P.W. Donnelly³, & Jesse Bruce⁴
¹University of Wisconsin–Stout, ²University of Texas at El Paso, ³Sulcus Scientific Consulting, LLC

115. DO EEG ALPHA BAND OSCILLATIONS PREDICT LIKEABILITY?
Nastassja L. Fischer¹, Billy E.M. Nascimento², & Mario Fiorani Jr.¹
¹Federal University of Rio de Janeiro, ²Forebrain Neurotechnology Co.

116. THE ROLE OF SEASON AND AMBIENT TEMPERATURE IN FACIAL EMOTION RECOGNITION
Rodrigo C. Vergara, Vladimir López, Cristóbal Moenne, & Diego Cosmelli
Pontifical Catholic University of Chile

117. PERCEIVING ONE'S BODY SHAPES EMPATHY
Olga Pollatos¹, Jürgen Füstös¹, & Delphine Gryenberg²
¹University of Ulm, ²Université Catholique de Louvain

118. CLASSIFYING DIFFERENT EMOTIONAL STATES BY MEANS OF EEG-BASED FUNCTIONAL CONNECTIVITY PATTERNS
Shulan Hsieh & You-Yun Lee
National Cheng Kung University
119. TIME-BASED ALPHA FRONTAL ASYMMETRY ELICITED BY EMOTIONAL FILM CLIPS
You-Yun Lee, & Shulan Hsieh
National Cheng Kung University

120. ELECTROPHYSIOLOGICAL CORRELATES OF PREPARATORY PROCESSES BETWEEN VOLUNTARY AND INSTRUCTED TASK-SWITCHING PARADIGMS
Poyu Chen¹ & Shulan Hsieh²
¹National Chung Cheng University, ²National Cheng Kung University

121. THE EEG SLOW CORTICAL POTENTIAL AND EMOTION PERCEPTION
Luke R. Enge¹, David R. Herring¹, Amber K. Lupo¹, Michael A. Zárate¹, & Stephen F. Sands¹²
¹University of Texas at El Paso, ²Sands Research

122. HISTORY OF DEPRESSION AND FRONTALSTRIATAL CONNECTIVITY DURING REWARD PROCESSING IN LATE ADOLESCENT BOYS FROM LOW SOCIOECONOMIC BACKGROUNDS
Judith K. Morgan, Daniel S. Shaw, Thomas M. Olino, Samuel C. Musselman, Nikhil T. Kurapati, & Erika E. Forbes
University of Pittsburgh

123. THE EFFECTIVENESS OF DIFFERENT IMPLEMENTATION INTENTIONS IN THE DOWNREGULATION OF DISGUST
Patrick Gomez
Institute for Work and Health, Lausanne

124. THE IMPACT OF ANGER AND DISGUSTING IMAGES IN ANTI-TOBACCO ADS ON VIEWERS’ MESSAGE PROCESSING
Glenn M. Leshner, Russell B. Clayton, Manu Bhandari, & Paul D. Bolls
University of Missouri–Columbia

125. DISGUSTING PICTURES RECRUIT MORE ATTENTION AND EXECUTIVE RESOURCES THAN FEARFUL PICTURES
Luc Draisma¹ & Johanna C. Van Hooft²
¹Amsterdam University College, ²VU University Amsterdam
126. NEURAL CORRELATES OF EMOTIONAL FACE PROCESSING ACROSS ADOLESCENCE
Jamie Ferri & Greg Hajcak
Stony Brook University

127. GENERALIZATION OF ELECTROCORTICAL RESPONSES TO FEAR-CONDITIONED STIMULI
Anna Weinberg & Greg Hajcak
Stony Brook University

128. AN EXAMINATION OF fMRI AND ERP BIOMARKERS OF REWARD-SENSITIVITY IN ADOLESCENTS
Colin Sauder, Alexandria Meyer, Anna Weinberg, & Greg Hajcak
Stony Brook University

129. RELIABILITY OF THE FEEDBACK NEGATIVITY AND ITS RELATIONSHIP WITH DEPRESSIVE SYMPTOMS ACROSS ADOLESCENCE
Jennifer N. Bress & Greg Hajcak
Stony Brook University

130. AN ERP AND fMRI ASSESSMENT OF ERROR-RELATED BRAIN ACTIVITY IN ADOLESCENTS
Alexandria M. Meyer, Colin Sauder, & Greg Hajcak
Stony Brook University

131. ANXIETY AND ERROR-RELATED BRAIN ACTIVITY IN FEMALE ADOLESCENTS
Emily M. Hale-Rude, Greg Hajcak, Greg Perlman, & Roman Kotov
Stony Brook University

132. AUDITORY P300 AMPLITUDE DISTINGUISHES SCHIZOPHRENIA FROM OTHER PSYCHOTIC DISORDERS AND MATCHED CONTROLS
Greg Perlman, Felicia Jackson, Dan Foti, Roman Kotov, & Greg Hajcak
Stony Brook University
133. AN INCONGRUENT REALITY: THE N400 AS AN INDEX OF PSYCHOSIS AND RECOVERY
Felicia Jackson\textsuperscript{1}, Dan Foti\textsuperscript{2}, Roman Kotov\textsuperscript{1}, Greg Perlman\textsuperscript{1}, Daniel Mathalon\textsuperscript{3}, & Greg Hajcak\textsuperscript{1}
\textsuperscript{1}Stony Brook University, \textsuperscript{2}Purdue University, \textsuperscript{3}University of California, San Francisco

134. N400 AND INTACT EXPECTANCY PRIMING IN SCHIZOPHRENIA
Christiana D. Butera, Timothy K. Murphy, & Dean F. Salisbury
University of Pittsburgh School of Medicine

135. IMPAIRED RELATEDNESS PROPORTION N400 EFFECT IN SCHIZOPHRENIA
Zach A. Alcorn, Timothy K. Murphy, Christiana D. Butera, & Dean F. Salisbury
University of Pittsburgh

136. AN EXAMINATION OF PUPIL DILATION RESPONSE, P300 AND NOVELTY P3, AND THEIR RELATIONSHIP TO REACTION TIME
Siri-Maria Kamp, Anthony R. Murphy, Glen R. Forester, & Emanuel Donchin
University of South Florida

137. MEDIAL FRONTAL ERP RESPONSES TO ATTENTION SELECTION AND REWARD PREDICTION VIOLATION
Heather Soder, Krista Yakub, & Geoffrey Potts
University of South Florida

138. ERP RESPONSES TO EROTIC IMAGES ARE NOT APPETITIVE
Krista G. Yakub, Alexandra Davis, Heather Soder, & Geoffrey F. Potts
University of South Florida

139. NEURAL PROCESSING OF VISUAL SEXUAL STIMULI IN SUBJECTS REPORTING HYPERACTIVE SEXUAL BEHAVIOR COMPARED TO CONTROLS
Sina Wehrum, Tim Klucken, Sabine Kagerer, Bertram Walter, Andrea Hermann, Dieter Vaitl, & Rudolf Stark
Justus-Liebig-University Giessen
140. MODULATION OF SUBLIMINAL EMOTIONAL STIMULATION BY SUBJECTIVE PREFERENCES: AN ERP STUDY
Isabel B. Fonseca, Vitor Pereira, Ana Marques, & Margarida Cipriano
Lisbon University

141. EFFECTS OF MEANINGFUL LOOMING STIMULI ON STARTLE, HEART RATE, AND REACTION TIME
Lydia R. Ring, Caleb La Rue, Stephen Sheron, & Edwin W. Cook
University of Alabama at Birmingham

142. MINDFUL PREGNANCY: MATERNAL MINDFULNESS DURING THE PERINATAL PERIOD AFFECTS THE INFANT’S AUDITORY ERPS AT 9 MONTHS OF AGE
Marion I. van den Heuvel¹, István Winkler²³, Renée A. Otte¹, Marijke A.K.A. Braeken¹⁴, Juliëtte J.M. van der Wal¹, Franc C.L. Donkers¹⁵, & Bea R.H.M. Van den Bergh¹⁶
¹Tilburg University, ²Hungarian Academy of Sciences, ³University of Szeged, ⁴University of Hasselt, ⁵University of North Carolina at Chapel Hill, ⁶University of Leuven

143. ANXIOUS BODIES: THE ASSOCIATION BETWEEN SOMATIC ANXIETY COMPLAINTS DURING PREGNANCY AND INFANT AUDITORY INFORMATION PROCESSING
Renée A. Otte¹, Marijke A.K.A. Braeken¹², István Winkler³⁴, & Bea R.H.M. Van den Bergh¹⁵
¹Tilburg University, ²Hasselt University, ³Hungarian Academy of Sciences, ⁴University of Szeged, ⁵KU Leuven

144. FEAR OF DELIVERY AT THE END OF PREGNANCY IS ASSOCIATED WITH HRV REACTIVITY TO AND RECOVERY FROM A MENTAL STRESS-INDUCING TASK
Marijke A.K.A. Braeken¹, Alex Jones², Renée A. Otte¹, & Bea R.H.M. Van den Bergh¹
¹Tilburg University, ²University College London
145. JOB INSECURITY IN THE FIRST TRIMESTER OF PREGNANCY AFFECTS AUDITORY PROCESSING IN 9-MONTH-OLD INFANTS
Juliëtte J.M. van der Wal¹, Istvan Winkler²,³, Renée A. Otte¹, Marijke A.K.A. Braeken¹,⁴, Marion I. van den Heuvel¹, Franc C.L. Donkers¹,⁵, & Bea R.H.M. Van den Bergh¹,⁶
¹Tilburg University, ²Hungarian Academy of Sciences, ³University of Szeged, ⁴University of Hasselt, ⁵University of North Carolina at Chapel Hill, ⁶University of Leuven

146. MATERNAL PREPREGNANCY BODY MASS INDEX IS ASSOCIATED WITH INFANT SENSORY COGNITIVE DEVELOPMENT: RESULTS OF AN ERP STUDY
Bea R.H.M. Van den Bergh¹,², Marion I. van den Heuvel¹, Franc C.L. Donkers¹,³, Jens Henrichs¹, Renée A. Otte¹, Marijke A.K.A. Braeken¹,⁴, & István Winkler⁵,⁶
¹Tilburg University, ²KU Leuven, ³University of North Carolina at Chapel Hill, ⁴University of Hasselt, ⁵Hungarian Academy of Sciences, ⁶University of Szeged

147. INFANT AUDITORY INFORMATION PROCESSING AT 2 AND 9 MONTHS IS MODULATED BY THE LEVEL OF MATERNAL ANXIETY DURING PREGNANCY
Bea R.H.M. Van den Bergh¹,², Renée A. Otte¹, Marijke A.K.A. Braeken¹,³, Marion I. van den Heuvel¹, & István Winkler⁵,⁶
¹Tilburg University, ²KU Leuven, ³University of North Carolina at Chapel Hill, ⁴Hungarian Academy of Sciences, ⁵University of Szeged

148. SEX DIFFERENCES IN EMOTION REGULATION: AN EVENT-RELATED POTENTIAL STUDY
E.K.T. Gardener, Andrea R. Carr, A. MacGregor, & Kim L. Felmingham
University of Tasmania

149. LATER MODULATION OF BRAIN RESPONSES DURING SUPPRESSORS THAN REAPPRAISERS DURING EMOTION REGULATION
Andrea R. Carr¹, A. MacGregor¹, E.K.T. Gardener¹, Andrew A.H. Kemp², & Kim L. Felmingham¹
¹University of Tasmania, ²University of Sao Paolo
150. EMOTION DETECTION IN INFANT EEG
Elaina Bolinger¹, Tamara Matuz¹, Dirk T Hetrich¹, Jan Born¹, & Niels Birbaumer¹,²
¹University of Tübingen, ²IRCCS San Camillo, Venice

151. REAPPRAISAL IN 8- TO 14-YEAR-OLD CHILDREN:
MAGNETOEENCEPHALOGRAPHIC CORRELATES, DEVELOPMENTAL ASPECTS, AND INDIVIDUAL DIFFERENCES
Ida Wessing, Christian Postert, Jörg M. Müller, Sandra Achtergarde, Tilman Fürniss, & Markus Junghöfer
University Clinic Münster

152. MISMATCH NEGATIVITY TO VOICE ONSET TIME REVEALS MUSIC INFLUENCE IN COGNITIVE REHABILITATION IN CHILDREN WITH NEUROLOGICAL IMPAIRMENTS
Marilyn Zaldivar¹, Maria L. Bringas¹, Lilia M. Morales², & Mireille Besson³
¹International Center for Neurological Restoration, ²International Center for Neurological Restoration, ³Cuban Neuroscience Center

153. DEVELOPMENTAL CHANGES IN GLOBAL VS. LOCAL VISUAL RECOGNITION IN CHILDREN: AN ERP STUDY
Regina I. Machinskaya, Ekaterina V. Krupskaya, & Andrei V. Kurganski
Institute of Developmental Physiology, Moscow

154. EEG ALPHA RESPONSE TO EMOTIONAL VOCALIZATIONS IS RELATED TO SOCIAL ABILITIES IN INFANTS WITH VISUAL IMPAIRMENT
Michelle A. O’Reilly¹, Elena Sakkalou¹, Joe Bathelt¹, Michelle de Haan¹, Alison Salt², & Naomi Dale²
¹UCL Institute of Child Health, ²Great Ormond Street Hospital

155. GENETIC INFLUENCES ON THE RATE OF BRAIN DEVELOPMENT: A LONGITUDINAL TWIN STUDY OF RESTING STATE EEG OSCILLATIONS
Andrey P. Anokhin, Simon A. Golosheykin, & Julia D. Grant
Washington University School of Medicine
156. THE RELATIONSHIP BETWEEN RESTING STATE fMRI (RS-fMRI) AND INDIVIDUAL DIFFERENCES IN EXECUTIVE FUNCTION
Andrew Reineberg, Jessica R. Andrews-Hanna, Brendan E. Depue, & Marie T. Banich
University of Colorado–Boulder

157. DIFFERENCES BETWEEN ANXIOUS APPREHENSION AND ANXIOUS AROUSAL IN RESTING-STATE fMRI ACTIVITY
Erin N. Burdwood¹, Zachary P. Infantolino¹, Laura D. Crocker², Jeffrey M. Spielberg³, Bradley P. Sutton³, Marie T. Banich¹, Wendy Heller², & Gregory A. Miller¹,²,⁴
¹University of Delaware, ²University of Illinois at Urbana-Champaign, ³University of Colorado, ⁴University of Konstanz

158. NEURAL MECHANISMS OF MOTIVATION IN THE FACE OF EMOTIONAL DISTRACTION
Zachary P. Infantolino¹, Laura D. Crocker³, Jeffrey M. Spielberg³, Michael A. Niznikewicz³, Kathryn T. Roberts¹, Bradley P. Sutton³, Marie T. Banich⁴, Gregory A. Miller¹,²,⁵, & Wendy Heller²
¹University of Delaware, ²University of Illinois at Urbana-Champaign, ³University of California, Berkeley, ⁴University of Colorado–Boulder, ⁵University of Konstanz
Poster Session II
Thursday, October 3

Poster Session Schedule

8:00 A.M.–9:45 A.M. Posters Assembled
9:45 A.M.–5:30 P.M. Posters Available for Viewing
5:30 P.M.–7:30 P.M. Authors Present for Discussion and Questions
7:30 P.M.–8:00 P.M. Dismantle Posters

1. NEURAL MARKERS OF EMOTIONAL PROCESSING AND ATTENTIONAL DEPLOYMENT
   Jamie Ferri, Greg Hajcak, & Turhan Canli
   Stony Brook University

2. WHAT’S IN YOUR NAME? LINGUISTIC SELF-DISTANCING ATTENUATES NEUROPHYSIOLOGICAL MARKERS OF NEGATIVE EMOTION PROCESSING
   Jason S. Moser¹, Tim P. Moran¹, & Ethan Kross²
   ¹Michigan State University, ²University of Michigan

3. SELF-DISTANCING FOR POSITIVE EMOTIONAL MEMORIES IN BIPOLAR I DISORDER: NEUROPHYSIOLOGICAL AND BEHAVIORAL EVIDENCE
   Jiyoungh Park & Ethan Kross
   University of Michigan

4. FIBROMYALGIA SYNDROME IS ASSOCIATED WITH REDUCED CEREBRAL BLOOD FLOW RESPONSES DURING COGNITION
   Casandra Montoro¹, Stefan Duschek², & Gustavo A. Reyes del Paso¹
   ¹University of Jaén, ²University for Health Sciences, Medical Informatics and Technology

   Gustavo A. Reyes del Paso¹, Casandra Montoro¹, Cristina J. Muñoz³, & Richard Jennings²
   ¹University of Jaén, ²University of Pittsburgh
6. **OLD, FAT, AND UNDER PRESSURE: ANY DIFFERENCE FOR THE BRAIN?**
J. Richard Jennings, Matthew F. Muldoon, Alicia Heim, Clara Gautier, & Christopher Ryan
*University of Pittsburgh*

7. **AUTONOMIC CARDIOVASCULAR REGULATION AND CORTICAL TONE**
Stefan Duschek¹, Jana Wörsching², & Gustavo A. Reyes del Paso³
¹University for Health Sciences, Medical Informatics and Technology, ²University of Munich, ³University of Jaén

8. **RELATIONSHIP BETWEEN CARDIOVASCULAR FITNESS, WORKING MEMORY, AND P300**
Axel H. Winneke¹, Laurel Raffington², Ben Godde¹, & Claudia Voelcker-Rehage¹
¹Jacobs University Bremen, ²Free University Berlin

9. **TO PLAY OR NOT TO PLAY: LONG-TERM NEUROLOGICAL CHANGES ASSOCIATED WITH SPORTS-RELATED, NON-CONCUSSIVE, REPEETITIVE HEAD IMPACTS RECEIVED DURING ADOLESCENCE**
Daniel Comstock¹, Desiree Budd¹, Judy Hopp¹, Michael P.W. Donnelly³, Mary Brodhagen¹, Matt McNutt¹, Katelyn Hartung¹, & Steffanie Fisher¹
¹University of Wisconsin–Stout, ²Sulcus Scientific Consulting, LLC

10. **AGE-RELATED CHANGES IN FRONTAL LOBE ACTIVITY IN A REWARD SEEKING TASK: AN OPTICAL IMAGING STUDY**
David R. Westmark¹, Rachel L. Doty¹, Michael P.W. Donnelly³, & Echo E. Leaver¹
¹University of South Carolina Aiken, ²University of Wisconsin–Stout

11. **NEUROIMAGING REVEALS BILATERAL INVOLVEMENT OF PREFRONTAL CORTICAL AREAS DURING MAGNITUDE ESTIMATIONS**
Keri Weed, Echo E. Leaver, & Karlin Cummings
*University of South Carolina Aiken*
12. PSYCHOPHYSIOLOGICAL RESPONSES IN OLDER AND YOUNGER ADULTS IN A STIMULUS-REWARD TASK
Rachel L. Doty¹, David R. Westmark¹, Michael P.W. Donnelly², & Echo E. Leaver¹
¹University of South Carolina Aiken, ²University of Wisconsin–Stout

13. PERCEIVED FAT CONTENT OF FOOD, NEURAL ACTIVITY, AND FOOD CHOICES
Mary Brodhagen¹, Desiree Budd¹, Michael P.W. Donnelly², Sophie Sigel¹, Sarah Bjork¹, Katherine Hardy¹, Tina Lee¹, & Brettina Davis¹
¹University of Wisconsin–Stout, ²Sulcus Scientific Consulting, LLC

14. USING PSYCHOPHYSIOLOGY TO VALIDATE A RELATIONSHIP SATISFACTION THEORY
Echo E. Leaver¹, Dalvina S. Green¹, & Michael P.W. Donnelly²
¹University of South Carolina Aiken, ²University of Wisconsin–Stout

15. THE MECHANISM OF DISHABITUATION: HOW IS SENSITISATION INVOLVED?
Robert J. Barry & Genevieve Z. Steiner
University of Wollongong

16. CARDIOVASCULAR AND ELECTROMYOGRAPHIC SPECIFICITY OF EMOTIONAL PROCESSES DEVOIED OF SUBJECTIVE EMOTIONAL EXPERIENCE
Elise S. Dan-Glauser & Klaus R. Scherer
University of Geneva

17. SEQUENTIAL PROCESSING OF EMOTION-ANTECEDENT APPRAISAL: EVIDENCE FROM EVENT-RELATED POTENTIALS AND FACIAL ELECTROMYOGRAPHY
Kornelia Gentsch, Klaus R. Scherer, & Didier Grandjean
University of Geneva

18. SEX DIFFERENCES IN FACIAL AGE PROCESSING
Frances H. Martin¹ & Laura F. Stewart²
¹The University of Newcastle, ²The University of Tasmania
19. **ERP CORRELATES OF GRADED AND CATEGORICAL FACE PERCEPTION**
Jie Yuan¹, Shichun Guo¹, Jian Chen¹, Xiaofang Yang¹, Ming Meng², & Shimin Fu¹
¹Tsinghua University, ²Dartmouth College

20. **ELECTROPHYSIOLOGICAL CORRELATES OF RECOGNITION MEMORY FOR FACES**
Maria E. Vanutelli, Simone Viganò, & Alice M. Proverbio
University of Milan-Bicocca

21. **NEURAL MECHANISMS OF BODY LANGUAGE COMPREHENSION: AN ERP STUDY**
Marta Calbi, Mirella Manfredi, & Alice M. Proverbio
University of Milano-Bicocca

22. **SEQUENCE DEPENDENT VARIATIONS OF COGNITIVE PROCESSING OF NEUTRAL AND ANGRY FACES: AN EEG STUDY**
Christian Karl & Roman Osinsky
University of Würzburg

23. **DEVELOPMENT OF A STANDARDIZED PARADIGM TO ELICIT ANGER EMOTIONS: ASSESSMENT OF EMG, HR, AND SELF-REPORT**
Kimberly S. Walitzer & Rebecca J. Houston
University at Buffalo, SUNY

24. **MOTION AND EMOTION: AFFILIATIVE PICTURES ATTENUATE READINESS POTENTIAL**
Rafaela R. Campagnoli¹, Laura Krutman², Isabela Lobo², Claudia D. Vargas¹, Isabel P.A. David², Leticia Oliveira², Mirtes G. Pereira², & Eliane Volchan¹
¹Federal University of Rio de Janeiro, ²Fluminense Federal University

25. **PREGENUAL ANTERIOR CINGULATE CORTEX: A NODE IN THE PROCESSING OF SAFETY SIGNALS?**
Fatima Erthal¹, Izabela Mocaiber², Leticia Oliveira², Mirtes Pereira², Ivan Figueira¹, & Eliane Volchan¹
¹Federal University of Rio de Janeiro, ²Fluminense Federal University
26. TRAUMA HISTORY AND EMOTIONAL REACTIONS: AN ERP STUDY
Isabela V.P. Lobo¹, Isabel P.A. David¹, Izabela Mocaiber¹, Rafaela R. Campagnoli², Eliane Volchan², Ivan Figueira², Mirtes M.G. Pereira¹, & Leticia Oliveira¹
¹Fluminense Federal University, ²Federal University of Rio de Janeiro

27. AFFILIATIVE VISUAL STIMULI PROMPT CARESS-LIKE TOUCH: AN ELECTROMYOGRAPHIC STUDY
Laura Krutman¹, Rafaela R. Campagnoli¹, Leticia Oliveira¹, Mirtes G. Pereira¹, Eliane Volchan², & Isabel P.A. David¹
¹Fluminense Federal University, ²Federal University of Rio de Janeiro

28. CONDITIONED FEAR AND NEURAL GAIN CONTROL IN VISUAL CORTEX
Inkyung Song, & Andreas Keil
University of Florida

29. DISTRACTION BY EMOTIONAL STIMULI: TIME COURSE OF COMPETITION FOR VISUAL PROCESSING RESOURCES IN HIGH-FEAR INDIVIDUALS AND CONTROLS
Menton McGinnis Deweese¹, Margaret M. Bradley¹, Peter J. Lang¹, Matthias M. Müller³, Søren K. Andersen³, & Andreas Keil¹
¹University of Florida, ²University of Leipzig, ³University of California, San Diego

30. WHOLE BRAIN fMRI DURING RAPID SERIAL VISUAL PRESENTATION (RSVP): EMOTION AND HEDONIC CONTENT
Mathias Weymar¹², Margaret M. Bradley¹, & Peter J. Lang¹
¹University of Florida, ²University of Greifswald

31. MULTI-TRIAL AND SINGLE-TRIAL AVERSIVE LEARNING: SKIN AND STARTLE
M. Carmen Pastor¹, Margaret M. Bradley², Maimu A. Rehbein³, Markus Junghöfer³, Serena Mastria⁴, Nasryn El-Hinnawi⁵, & Peter J. Lang²
¹Jaume I University, ²University of Florida, ³University of Münster, ⁴University of Bologna
32. DOES KNOWING WHAT’S COMING MODULATE EMOTIONAL REACTIONS?
Christopher T. Sege, Margaret M. Bradley, & Peter J. Lang
*University of Florida*

33. FEAR MEMORIES IN VISUAL CORTEX: INTER-INDIVIDUAL DIFFERENCES AND REFLEX PHYSIOLOGY
L. Forest Gruss, Margaret M. Bradley, & Andreas Keil
*University of Florida*

34. SPEAKING, IMAGINING, AND EMOTIONAL REACTIVITY
Robert R. Henderson¹, Margaret M. Bradley¹, Serena Mastria², Anya A. Kroytor¹, & Peter J. Lang²
¹*University of Florida*, ²*University of Bologna*

35. PSYCHOPHYSIOLOGY OF EMOTION IN PARKINSON’S DISEASE: FROM PERCEPTION TO ACTION
Jenna Dietz, Margaret M. Bradley, Peter J. Lang, Michael S. Okun, & Dawn Bowers
*University of Florida*

36. CORTICAL THICKNESS CORRELATES OF WORKING MEMORY CAPACITY IN HEALTHY YOUNGER AND OLDER ADULTS AND IN PARKINSON’S DISEASE
Fernando Valle-Inclán¹, Eun-Young Lee², Dawei Li¹, Nelson Cowan³, Timothy J. Ricker¹, & Steven A. Hackley³
¹*University of La Coruna*, ²*Hershey School of Medicine*, ³*University of Missouri*

37. QUANTITATIVE EEG (QEEG) FOR IDENTIFICATION OF ATTENTION DEFICITS IN PARKINSON’S DISEASE (PD)
Ronan Zimmermann¹, Ute Gschwandtner¹, Nina Benz³, Florian Hatz¹, Christian Schindler², Volker Roth³, & Peter Fuhr³
¹*University Hospital Basel*, ²*Swiss Tropical and Public Health Institute*, ³*University of Basel*
38. ERYTHROPOIETIN EPO MODULATED N1 AMPLITUDE IN PARKINSON DISEASE USING A FLANKER TASK
Maria L. Bringas1, Ivonne Pedroso1, Vanessa Perez2, Valia Rodriguez3, Lídice Galán-García3, & Mayrim Vega3
1International Center for Neurological Restoration, 2University of Florida, 3Cuban Neuroscience Center

39. FACIAL MIMICRY TO BRIEFLY PRESENTED EMOTIONAL STIMULI IN AUTISM SPECTRUM DISORDER
Danielle Mathersul, Skye McDonald, & Jacqueline A. Rushby
The University of New South Wales

40. AUTONOMIC DYSREGULATION DURING SENSORY STIMULATION IN CHILDREN WITH AUTISM SPECTRUM DISORDER
Roseann C. Schaaf, Teal W. Benevides, Benjamin E. Lieby, & Jocelyn A. Sendecki
Thomas Jefferson University

41. LATENT INTERHEMISPHERIC HYPOCONNECTIVITY AND LEFT HEMISPHERE HYPERCONNECTIVITY DETECTED BY EEG PHOTIC DRIVING COHERENCE IN CHILDREN WITH AUTISM
Adailton Pontes1,2, Leonardo C. deAzevedo1,2, Andrey A. Mitrofanov3, & Vladimir V. Lazarev1,2
1Fernandes Figueira National Institute, 2Oswaldo Cruz Foundation, 3Moscow Scientific Research Institute of Psychiatry

42. NEURAL PROCESSING OF DECISION MAKING IN ATTENTION-DEFICIT/HYPERACTIVITY DISORDER (ADHD) AND THEIR COMPARISON WITH COMORBID DISORDERS
Maria Luz Gonzalez-Gadea1,2,3, Sandra Baez1,2, Alexia Rattazzi4, Facundo Manes1,5,6, & Agustín Ibañez1,5,6,7
1Institute of Cognitive Neurology, 2National Scientific and Technical Research Council, 3National University of Cordoba, 4PANAACEA - Information and Help for Autism Spectrum Disorders, Asperger's, ASD, Pervasive Developmental Disorders, 5Institute of Neurosciences, 6Favaloro University, 7Universidad Diego Portales
43. NEURAL SIGNATURES OF EMOTIONAL MODULATION AND SOCIAL COGNITION: INDIVIDUAL DIFFERENCES IN HEALTHY VOLUNTEERS AND PSYCHIATRIC PARTICIPANTS
Sandra Baez,1,2,3 Jaume Aguado4, David Huepe5, Vladimir Lopez6, Rodrigo Ortega6, Teresa Torralva7,8 Alicia Lischinsky1,8,9 Marcelo Cetkovich7,8, Facundo Manes7,8, & Agustin Ibanez2,7,8,10
1Institute of Cognitive Neurology, 2National Scientific and Technical Research Council, 3Pontifical Catholic University of Argentina, 4Parc Sanitari Joan de Deu-SSM, CIBERSAM, Universitat de Barcelona, Sant Boi, 5Diego Portales University, 6Pontifical Catholic University of Chile, 7Institute of Cognitive Neurology, 8Favaloro University, Buenos Aires, 9Laboratory of Experimental Psychology and Neuroscience, 10Universidad Diego Portales, Santiago

44. MULTIMODAL TREATMENT FOR ADHD IN PRESCHOOL CONFERS INCREASED ELECTRODERMAL RESPONDING AT ONE-YEAR FOLLOW-UP
Austin Brekke1, Amanda Olliges1, Shelby Welch1, Tiffany McNulty2, Aimee Zisner2, Lisa M. Gatzke-Kopp3, Jamila Reid1, Carolyn Webster-Stratton1, & Theodore P. Beauchaine2
1Washington State University, 2The Ohio State University, 3The Pennsylvania State University, 4University of Washington

45. REPETITIVE-TRANSCRANIAL MAGNETIC STIMULATION IN CHILDREN WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER: EFFECTS ON BEHAVIOR AND P300 EVENT-RELATED POTENTIAL
Margarita M. Baez-Martin1, Lazaro Gomez1, Belkis Vidal2, Carlos Maragoto1, Lilia M. Morales1, Otto Trapaga1, Marilyn Zaldívar1, Abel Sanchez1, & Ivette Cabrera1
1International Center for Neurological Restoration, 2Pedro Borràs Hospital
46. STUDY RISK FACTORS AND BRAIN CORRELATES IN CHILDREN AND ADOLESCENCE WITH A TENDENCY OF ANTSOCIAL BEHAVIOR IN GEORGIA

Irma I.O. Khachidze\textsuperscript{1}, Mariam M. Alaverdashvili\textsuperscript{2}, Ana A. Baramidze\textsuperscript{1}, & T’ea T. Gogotishvili\textsuperscript{1}
\textsuperscript{1}Georgian University, \textsuperscript{2}University of Saskatchewan, \textsuperscript{3}Ilia State University, \textsuperscript{4}Uznadze Institute of Psychology

47. DIFFERENTIAL TEMPORAL DYNAMICS OF EMOTION REGULATION STRATEGIES AS REVEALED BY EVENT-RELATED POTENTIALS

Sandra Paul\textsuperscript{1}, Daniela Simon\textsuperscript{1}, Rainer Kniesche\textsuperscript{1}, Norbert Kathmann\textsuperscript{1}, & Tanja Endrass\textsuperscript{2}
\textsuperscript{1}Humboldt University of Berlin, \textsuperscript{2}University of Magdeburg

48. PARALLEL EEG-fMRI YIELDS EVIDENCE FOR INCREASED COUPLING OF ERN AND SUPPLEMENTARY MOTOR AREA ACTIVITY IN OCD PATIENTS

Rosa Grützmann\textsuperscript{1}, Elena Allen\textsuperscript{2}, Tom Eichele\textsuperscript{2}, Julia Klawohn\textsuperscript{1}, Christian Kaufmann\textsuperscript{1}, Norbert Kathmann\textsuperscript{1}, & Tanja Endrass\textsuperscript{1}
\textsuperscript{1}Humboldt University of Berlin, \textsuperscript{2}University of Bergen

49. SPECIFICITY OF OVERACTIVE PERFORMANCE MONITORING

Tanja Endrass\textsuperscript{1}, Ulrike Buhlmann\textsuperscript{2}, Anja Riesel\textsuperscript{2}, & Norbert Kathmann\textsuperscript{2}
\textsuperscript{1}University of Magdeburg, \textsuperscript{2}Humboldt University of Berlin

50. ALTERED TEMPORO-SPATIAL PCA SUBCOMPONENTS OF ERN AND CRN IN OBSESSIVE-COMPULSIVE DISORDER

Julia Klawohn\textsuperscript{1}, Tanja Endrass\textsuperscript{2}, Anja Riesel\textsuperscript{1}, Rosa Grützmann\textsuperscript{1}, & Norbert Kathmann\textsuperscript{1}
\textsuperscript{1}Humboldt University of Berlin, \textsuperscript{2}University of Magdeburg

51. CONFLICT MONITORING AND CONFLICT ADAPTATION AS REFLECTED BY N2 AMPLITUDE IN OBSESSIVE-COMPULSIVE DISORDER

Anja Riesel, Julia Klawohn, Tanja Endrass, & Norbert Kathmann
Humboldt University of Berlin
52. **WHO DARES WINS: ARE WE LESS RISK-AVERSE THAN PREVIOUSLY ASSUMED?**
   Barbara Schmidt & Johannes Hewig
   *University of Würzburg*

53. **A MISS IS AS GOOD AS A MILE? PROCESSING OF NEAR AND FULL OUTCOMES IN A GAMBLING PARADIGM**
   Natalie Ulrich & Johannes Hewig
   *University of Würzburg*

54. **PHYSIOLOGICAL CORRELATES OF INDIVIDUAL DIFFERENCES IN MENTAL IMAGERY**
   Johannes Rodrigues & Johannes Hewig
   *University of Würzburg*

55. **ATTENTIONAL BIAS MODIFICATION AND THE N2PC**
   Roman Osinsky, Dominika Wilisz, & Johannes Hewig
   *University of Würzburg*

56. **BEHAVIOURAL AND ELECTROPHYSIOLOGICAL ASSESSMENT OF SUSTAINED ATTENTION: EFFECT OF TIME-ON-TASK**
   Gregory Collet¹, Vinciane Fontenelle², Kristel Knaepen³, Hélio Fernandez⁴, Bart Roelands², Guy Nagels¹, Romain Meeusen², & Nathalie Pattyn¹
   ¹Royal Military Academy, Brussels, ²Vrije Universiteit Brussel, ³National Centre for Multiple Sclerosis

57. **THE EFFECT OF MASK-TARGET CATEGORICAL COMPATIBILITY ON VISUAL STIMULUS RECOGNITION**
   Natalia Yu Gerasimenko, Sergei A. Kalinin, Anna V. Slavutskaya, & Elena S. Mikhailova
   *Institute of Higher Nervous Activity and Neurophysiology of RAS*

58. **EFFECTS OF ATTENTION AND THE PRESENCE OF MULTIPLE CUES OF CONCURRENT SOUND SEGREGATION ON THE OBJECT-RELATED NEGATIVITY (ORN)**
   Zsuzsanna Kocsis¹,², István Winkler¹,²,³, Orsolya Szalárdy¹,², & Alexandra Bendixen⁴
   ¹Budapest University of Technology and Economics, ²Hungarian Academy of Sciences, ³University of Szeged, ⁴University of Leipzig
60. ATTENTIONAL PROCESSING OF MULTIPLE TARGETS AND DISTRACTORS
   Jaap Munneke, Elisa Fait, & Veronica Mazza
   University of Trento

61. THE SPATIOTEMPORAL DYNAMICS OF LOAD-INDUCED VISUAL SUPPRESSION
   Anna C. Salomaa & Nathan A. Parks
   University of Arkansas

62. FAST DYNAMICAL UPDATING OF ATTENTIONAL ALLOCATION RESOURCES AS A FUNCTION OF PREVIOUS TRIAL OUTCOME
   Antonio Arjona & Carlos Gómez
   University of Sevilla

64. INDIVIDUAL DIFFERENCES IN RESPONSE CAUTION ADJUSTMENT: EVIDENCE FROM A MODEL-BASED NEUROSCIENCE APPROACH
   Elise L. Mansfield¹, Frini Karayanidis¹, Andrew Heathcote¹, & Birte U. Forstmann²
   ¹The University of Newcastle, ²University of Amsterdam

65. AN ELECTROPHYSIOLOGICAL ASSESSMENT OF THE INVOLVEMENT OF WORKING MEMORY IN SUBITIZING
   Silvia Pagano, Luigi Lombardi, & Veronica Mazza
   University of Trento

66. CHANGING OF WORKING MEMORY IN THE N-BACK TASK IN WOMEN WITH PMS: AN ERP STUDY
   Tzu-Ya Lin, Wen-Lan Wu, Jing-Min Liang, & Huei-Yu Shih
   Kaohsiung Medical University
67. **VARIATIONS IN WORKING MEMORY CAPACITY: SUPPRESSION OF DISTRACTORS OR ENHANCEMENT OF TARGETS?**
Rasa Gulbinaite, Addie Johnson, Ritske de Jong, Candice C. Morey, & Hedderik van Rijn
*University of Groningen*

68. **ELECTROPHYSIOLOGICAL CORRELATES OF WORKING MEMORY FUNCTION: DO THEY PREDICT INTRUSIVE THOUGHTS?**
Monique C. Pfaltz¹, Nadja M. Baumgartner², Tanja Michael¹, & Peter Peyk¹
¹Harvard University, ²University of Basel, ³Saarland University

69. **CB1 POLYMORPHISM MEDIATES GENERALIZATION OF FEAR**
Marta Andreatta¹, Andreas Mühlberger², Evelyn Glotzbach-Schoon¹, Heike Ewald¹, Christian Baumann¹, Christian Tröger¹, Andreas Reif⁶, Jürgen Deckert³, & Paul Pauli¹
¹University of Würzburg, ²University of Regensburg, ³University Hospital of Würzburg

70. **ANXIETY REDUCES ELECTRO-CORTICAL DIFFERENTIATION BETWEEN SAFE AND THREAT CONTEXT: EVIDENCE FROM STEADY-STATE VEPS**
Anna K. Kastner, Paul Pauli, Andreas Mühlberger, & Matthias J. Wieser
*University of Würzburg*

71. **TRANSIENT AND SUSTAINED FEAR RESPONSES DURING CONTEXTUAL FEAR CONDITIONING: AN fMRI STUDY**
Evelyn Glotzbach-Schoon¹, Marta Andreatta¹, Julian Wiemer¹, Andreas Mühlberger¹,², & Paul Pauli¹
¹University of Würzburg, ²University of Regensburg

72. **SUBSEQUENT MEMORY EFFECTS ON EVENT-RELATED POTENTIALS DURING ENCODING OF AVERSIVE STIMULI UNDER NEUTRAL AND NEGATIVE AFFECT**
Julian Wiemer, Enne Floß, & Paul Pauli
*University of Würzburg*
73. THE FATE OF THE INNER NOSE: ODOR IMAGERY IN PATIENTS WITH OLFATORY LOSS
Elena L.R. Flohr, Artin Arshamian, Matthias J. Wieser, Cornelia Hummel, Maria Larsson, Andreas Mühlberger, & Thomas Hummel
University of Würzburg, University of Stockholm, University of Dresden Medical School

74. PLACEMO: THE INTERACTION OF THE PLACEBO/NOCEBO EFFECT AND EMOTIONS ON THE PERCEPTION OF PAIN
Philipp Reicherts, Antje B.M. Gerdes, Paul Pauli, & Matthias J. Wieser
University of Würzburg, University of Mannheim

75. INHIBITION OF CIGARETTE CRAVING BY SOCIAL CONTEXT
Markus H. Winkler, Julia Kress, Paul Pauli, & Andreas Mühlberger
University of Würzburg

76. EMOTION REGULATION IN ADDICTED SMOKERS
Lingdan Wu, Matthias J. Wieser, Markus H. Winkler, Marta Andreatta, & Paul Pauli
University of Würzburg

77. CORRUGATOR SUPERcilII MUSCLE DEACTIVATION TO POSITIVE STIMULI: REPLICATIONS, EXTENSION TO INSTRUCTED EMOTION REGULATION, AND RELATIONS WITH EXPERIENCE SAMPLED DAILY AFFECT
Stacey M. Schaefer, Carien M. van Reekum, Regina C. Lapate, Heleen A. Slagter, Catherine J. Norris, Lucas D. Hinsenkamp, Lauren K. Gresham, & Richard J. Davidson
University of Wisconsin–Madison, University of Reading, University of Amsterdam, Dartmouth University
78. AMYGDALAR FUNCTION AND CONNECTIVITY UNDERLIE AFFECTIVE MISATTRIBUTION AFTER NON-CONSCIOUS EMOTIONAL PROCESSING
Regina C. Lapate, Bas Rokers, Do Tromp, Nadia Orfali, Samuel Doran, Nagesh Adluru, Andrew L. Alexander, & Richard J. Davidson
University of Wisconsin–Madison

79. FAILURE AND COMPENSATION IN EMOTION REGULATION
Lara Vujovic, Philipp C. Opitz, Jeffrey L. Birk, & Heather L. Urry
Tufts University

80. STILL FEELING IT: THE TIME COURSE OF EMOTIONAL RECOVERY FROM AN ATTENTIONAL PERSPECTIVE
Jayne Morriss, Alexander N.W. Taylor, Etienne B. Roesch, & Carien M. van Reekum
University of Reading

81. EMOTION REGULATION USING IMPLEMENTATION INTENTIONS AND GOAL INTENTIONS
Lena Azbel-Jackson, Carien M. van Reekum, Judi A. Ellis, & Laurie T. Butler
University of Reading

82. THE ROLES OF LATERAL AND MEDIAL PREFRONTAL REGIONS IN EMOTIONAL CONTROL AND ASSOCIATED EXECUTIVE FUNCTIONING IN OLDER ADULTS
Alexander N.W. Taylor¹, William K. Lloyd¹, Judi A. Ellis¹, Hilde Hendrickx², & Carien M. van Reekum¹
¹University of Reading, ²Unilver Ltd, Colworth

83. AGE-RELATED CHANGES IN WHITE MATTER IN FRONTO-PARIETAL AND FRONTO-STRIATAL TRACTS ARE ASSOCIATED WITH DISTINCT MEASURES OF COGNITIVE FLEXIBILITY
Frini Karayanidis, Todd Jolly, Pat Michie, Mark Parsons, Christopher Levi, & Andrew Heathcote
The University of Newcastle
84. THE EFFECT OF COGNITIVE TRAINING ON EEG COHERENCE AND DIVIDED ATTENTION IN HEALTHY OLDER ADULTS
Natalie A. Phillips¹, Arrchsana S. Ratnarajah¹, Guido A. Powell¹, Chloé DeBoysson², Samira Mellah², & Sylvie Belleville²
¹Concordia University, ²University of Montreal

85. EFFECTS OF AN AUDITORY-BASED TRAINING PROGRAM ON ATTENTION AMONG OLDER ADULTS: AN ERP STUDY
Carol L. Peronto, Jennifer J. Lister, Jennifer L. O’Brien, Susanne Sparkman, Kyle G. Clifton, & Victoria Williams
University of South Florida

86. TRANSITION OF ATTENTION FOR DEVIANT STIMULUS REFLECTED BY DEVIANT ERP P3
Fumihito Morimoto¹ & Jun’ichi Katayama²
¹Jin-ai University, ²Kwansei Gakuin University

87. THE ATTENUATION OF ERPS CAUSED BY REPETITION OF IRRELEVANT SOMATOSENSORY STIMULI VARIES WITH THE DIFFICULTY OF A MAIN TASK
Fumie Sugimoto & Jun’ichi Katayama
Kwansei Gakuin University

88. VISUAL CUE MODULATE SOMATOSENSORY TARGET ERP IN THE SPATIAL CUEING PARADIGM
Tsukasa Kimura & Jun’ichi Katayama
Kwansei Gakuin University

89. INHIBITION OF RETURN IN A DISCRIMINATION TASK: AN EYE-TRACKING STUDY
Elisa Berdica, Antje B.M. Gerdes, & Georg W. Alpers
University of Mannheim

90. PUPIL DILATION IN THE SIMON TASK AS A MARKER OF CONFLICT PROCESSING
Henk van Steenbergen & Guido P.H. Band
Leiden University
91. EFFECTS OF ANOTHER’S PRESENCE ON SPONTANEOUS EYEBLINKING WHILE VIEWING COMEDY VIDEO CLIPS
Yasuko Omori & Noriko Chiaki
Jin-ai University

92. STARTLE EYEBLINK MODULATION AS A NOVEL MEASURE OF SENSORY PROCESSING IN MULTIPLE SCLEROSIS
Christopher T. Lovelace¹, Bryan Fox², Jared Bruce², & Diane L. Filion²
¹Shepherd University, ²University of Missouri–Kansas City

93. THE RELATIONSHIP BETWEEN STARTLE EYEBLINK MODULATION AND SELF-REPORTED FATIGUE IN MULTIPLE SCLEROSIS
Bryan D. Fox¹, Christopher T. Lovelace², Jared M. Bruce¹, & Diane L. Filion¹
¹University of Missouri–Kansas City, ²Shepherd University

94. Withdrawn

95. REGULATION OF SOCIAL REJECTION AND OTHER NEGATIVE EMOTIONAL CONTENT IN SOCIAL ANXIETY: A CONTROLLED EVENT-RELATED POTENTIAL STUDY
Yogev Kivity, Nirit Wiskop, & Jonathan D. Huppert
The Hebrew University of Jerusalem

96. PSYCHOPHYSIOLOGICAL TREATMENT FOR GENERALIZED ANXIETY DISORDER (GAD)
Edgar Salinas-Rivera¹, Patricia E. Campos-Coy², & Juan J. Sánchez-Sosa¹
¹National University of Mexico, ²National Institute of Psychiatry
97. ATTENTIONAL BIAS IN ANXIETY: THE ROLE OF EMOTIONAL AROUSAL AND DISCOMFORT WITH EMOTION
Sarah M. Sass, Kue Xiong, Travis C. Evans, & Bridget Kennedy
University of Texas at Tyler

98. PARIETAL ASYMMETRY PREDICTS EMOTIONAL STROOP EFFECT IN HEALTHY YOUNG ADULTS
Gina M. Grimshaw¹, Joshua J. Foster², Michael Tooley¹, Jessica Clifton¹, Rosie Moody¹, & John McDowall¹
¹Victoria University of Wellington, ²University of Oregon

99. COGNITIVE MANIPULATION OF BRAIN ELECTRIC MICROSTATES
Benjamin A. Seitzman, Malene Abell, & William P. Hetrick
Indiana University

100. AUDITORY EVENT-RELATED POTENTIALS AND ALPHA OSCILLATIONS IN THE PSYCHOSIS PRODROME: NEURONAL GENERATOR PATTERNS DURING A NOVELTY ODDBALL TASK
Jürgen Kayser, Craig E. Tenke, Christopher J. Kroppmann, Daniel M. Alschuler, Shiva Fekri, Shelly Ben David, Cheryl M. Corcoran, & Gerard E. Bruder
New York State Psychiatric Institute

101. CHRONIC AND FIRST-EPIODE SCHIZOPHRENIA PATIENTS SHOW ABNORMAL ALPHA DYNAMICS IN AUDITORY GATING DESIGN
Almut Carolus¹, David Schubring¹, Tzvetan Popov¹, Gregory A. Miller¹,²,³, & Brigitte S. Rockstroh¹
¹University of Konstanz, ²University of Delaware, ³University of Illinois at Urbana-Champaign

102. DYNAMICS OF ALPHA OSCILLATIONS IN FACIAL AFFECT RECOGNITION: EFFECTS OF NEUROPLASTICITY-ORIENTED TRAINING
Petia Popova¹, Tzvetan Popov¹, Christian Wienbruch¹, Gregory A. Miller¹,²,³, & Brigitte S Rockstroh¹
¹University of Konstanz, ²University of Delaware, ³University of Illinois at Urbana-Champaign
103. DYNAMICS OF ALPHA OSCILLATIONS IN FACIAL AFFECT RECOGNITION: A COMPARISON OF SCHIZOPHRENIA PATIENTS AND HEALTHY CONTROLS
Brigitte S. Rockstroh, Tzvetan G. Popov, & Gregory A. Miller
1University of Konstanz, 2University of Delaware,
3University of Illinois at Urbana-Champaign

104. INVERSE ASSOCIATION BETWEEN FUNCTIONAL BRAIN CONNECTIVITY AND ALPHA POWER DURING WORKING MEMORY MAINTENANCE
Tzvetan Popov, Nathan Weisz, Brigitte Rockstroh, Gregory A. Miller, & Christian Wienbruch
1University of Konstanz, 2CiMec at University of Trento, 3University of Delaware, 4University of Illinois at Urbana-Champaign

105. MEASURES OF SENSORY GATING DEFICITS IN FIRST EPISODE AND CHRONIC SCHIZOPHRENIA
David Schubring, Almut Carolus, Tzvetan Popov, Gregory A. Miller, & Brigitte Rockstroh
1University of Konstanz, 2University of Delaware, 3University of Illinois at Urbana-Champaign

106. CATECHOL-O-METHYLTRANSFERASE ALLELE AND PSYCHOSOCIAL STRESS AS PREDICTORS OF P50 SUPPRESSION AND WORKING MEMORY IN SCHIZOPHRENIA
Emily M. Owens, Holly K. Hamilton, Gretchen L. Sholty, Kenneth L. Subotnik, Joseph Ventura, Keith H. Nuechterlein, & Cindy M. Yee
University of California, Los Angeles

107. THE ASSOCIATION BETWEEN P50 SUPPRESSION DEFICITS AND WHITE MATTER INTEGRITY IN SCHIZOPHRENIA
Holly K. Hamilton, Emily M. Owens, Katherine L. Narr, Terrance J. Williams, Keith H. Nuechterlein, Kenneth L. Subotnik, Joseph Ventura, & Cindy M. Yee
University of California, Los Angeles
108. EMOTIONAL ENHANCEMENT OF DECLARATIVE MEMORY IN SCHIZOPHRENIA PATIENTS INDEXED BY THE LATE POSITIVE POTENTIAL
Peter E. Clayson, Holly K. Hamilton, Kelsi A. Umekubo, Emily M. Owens, Margaret M. Bradley, Peter J. Lang, Peter Bachman, Kenneth L. Subotnik, Keith H. Nuechterlein, & Cindy M. Yee
University of California, Los Angeles, University of Florida

109. EMOTIONAL MODULATION OF N170 IN CHRONIC AND IN FIRST EPISODE SCHIZOPHRENIA
Rachel E. Kaskie, Christiana D. Butera, Timothy K. Murphy, & Dean F. Salisbury
University of Pittsburgh

110. TEST-RETEST RELIABILITY OF N100 AND P200 SENSORY GATING MEASURES IN ADULTS AND CHILDREN
Wen-Pin Chang, William J. Gavin, & Patricia L. Davies
Creighton University, Colorado State University, University of Canterbury

111. THE ROLE OF ATTENTION IN PREDICTING INDIVIDUAL SUCCESS OPERATING NON-INVASIVE BRAIN-COMPUTER INTERFACES
Brittany K. Taylor, Elliott M. Forney, William J. Gavin, Charles W. Anderson, & Patricia L. Davies
Colorado State University, University of Canterbury

112. ERPS SHOW DIFFERENTIAL SENSITIVITY TO OMISSION-INDUCED RHYTHMS
Breya Walker, Andrew Dudas, Joel Diament, Rikeen Patel, Ivy A. Thompson, Frank Andrasik, & Jeffrey J. Sable
The University of Memphis, Rhodes College, Christian Brothers University

113. UNPREDICTABLE TRAINS PRODUCE ATYPICAL ERP CHANGES TO SOUND REPETITIONS
Olivia B. Blow, Kimberly J. Gardner, Breya Walker, Rikeen Patel, Andrew Dudas, Jacob Park, Savannah McGahey, Yasmin Mzayek, Frank Andrasik, & Jeffrey J. Sable
Christian Brothers University, The University of Memphis, Rhodes College
114. PSYCHOLOGICAL RESPONSES TO SOUND STIMULI EVALUATED BY ALPHA WAVE FLUCTUATION
Xi Chen, Isao Takahashi, Yoshimitsu Okita, Hisashi Hirata, & Toshifumi Sugiura
Shizuoka University

115. CHARACTERISTICS OF EVENT-RELATED POTENTIAL (P3) INDUCED BY A PLEASANT AND UNPLEASANT ODOR
Hideo Akimoto, Isao Takahashi, Xi Chen, Yoshimitsu Okita, Hisashi Hirata, & Toshifumi Sugiura
Shizuoka University

116. READING TASTE METAPHORS RECRUITS BRAIN REGIONS ASSOCIATED WITH TASTE PROCESSING
Francesca M.M. Citron¹, Evgeniya Kirilina¹, & Adele E. Goldberg²
¹Free University of Berlin, ²Princeton University

117. SCENT OF A MAN: EMOTIONAL RESPONSES TO FRAGRANCES
Nicole A. Roberts, William Dinsmore, Kali Kenar, Mallory R. Barker, & Mary H. Burleson
Arizona State University

118. DAILY PHYSICAL CONTACT AND HEART RATE REACTIVITY TO LABORATORY STRESS: DIFFERENCES BETWEEN SPOUSES
Mary H. Burleson, Tara M. Vincelette, Katarina Valancova, William Dinsmore, Kali Kenar, Nicole A. Roberts, & Mary C. Davis
Arizona State University

119. ENDOGENOUS CORTISOL AND TESTOSTERONE EFFECTS ON SOCIAL PERCEPTION AND EXPRESSION: AN EMG STUDY
Jacobien M. van Peer¹, & Marc Mehu²
¹Radboud University Nijmegen, ²University of Geneva

120. THE ENDOCRINOLOGY OF SOCIAL BONDING: PROGESTERONE AND THE SEARCH FOR SOCIAL AFFILIATION
Jon Maner
Florida State University
121. THE FICKLE RELATIONSHIP BETWEEN SUBJECTIVE AND HORMONAL STRESS
Jennifer Khoury¹, Elizabeth Page-Gould², & Marc Fournier²
¹Ryerson University, ²University of Toronto Scarborough

122. HEART RATE VARIABILITY DURING PREGNANCY IS REDUCED IN WOMEN WITH A PAST HISTORY OF ANXIETY DISORDERS: IMPLICATIONS FOR OFFSPRING
Bea R.H.M. Van den Bergh¹, Marijke A.K.A. Braeken¹, Andrew H. Kemp¹, Tim Outhred¹, Renée A. Otte¹, Geert J.Y.J. Monsieur¹, & Alex Jones³
¹Tilburg University, ²KU Leuven, ³Haselt University, ¹The University of Sydney, ²University College London

123. PSYCHOPHYSIOLOGICAL CHANGES IN MOTHERS AND FATHERS DURING PREGNANCY AND EARLY POSTPARTUM: WHAT HAPPENS TO CORTISOL?
Ana Conde¹,² & Bárbara Figueiredo²
¹University Portucalense Infante D. Henrique, ²University of Minho

124. DOES BEING BORN AT EXTREMELY LOW BIRTH WEIGHT ADVERSELY AFFECT PARASYMPATHETIC NERVOUS SYSTEM FUNCTIONING IN ADULTHOOD?
Karen J. Mathewson, Jordana A. Waxman, Paz Fortier, Ryan J. Van Lieshout, Michael H. Boyle, Saroj Saigal, & Louis A. Schmidt
McMaster University

125. THE DEVELOPMENT OF MATERNAL-INFANT PHYSIOLOGICAL SYNCHRONY DURING THE FIRST THREE MONTHS OF LIFE
Martine Van Puyvelde, Gerrit Loots, & Nathalie Pattyn
Free University of Brussels

126. BRAIN OSCILLATORY RESPONSES DURING SOCIAL INTERACTION
Jaroslav Slobodskoy-Plusnin & Gennady Knyazev
Russian Academy of Medical Sciences
127. ACTIVATION AND DEACTIVATION OF THE SOCIAL BRAIN
Jennifer L. Robinson¹, Jessica Busler¹, & Angela R. Laird²
¹Auburn University, ²Florida International University

128. THE INFLUENCE OF THE RELATIONSHIP BETWEEN ANXIETY AND DIFFERENT PUNISHMENT CONDITIONS ON THE ERROR-RELATED NEGATIVITY
Magda Gawłowska¹, Alexandria M. Meyer², & Greg Hajcak³
¹Jagiellonian University, ²Stony Brook University

129. MOTIVATED TO WIN: THE INFLUENCE OF MONETARY REWARD ON READINESS POTENTIAL AND FEEDBACK RELATED NEGATIVITY
Narun Pornpattananangkul & Robin Nusslock
Northwestern University

Paula Neumeister, Martin Mothes-Lasch, Jutta Peterburs, & Thomas Straube
University of Münster

131. EFFECT OF SOCIAL OBSERVATION ON FEEDBACK-RELATED STRIATAL ACTIVATION
Dörte Simon, Michael P.I. Becker, Martin Mothes-Lasch, & Thomas Straube
University of Münster

132. AFFECTIVE MODULATION OF THE STARTLE RESPONSE BY EMOTIONAL PROSODY
Julia Kuerten¹, Martin Mothes-Lasch¹, Maike Stange², & Thomas Straube¹
¹University of Münster, ²University of Jena

133. IMAGERY OF FEAR-PROVOKING SOCIAL INTERACTIONS IN SOCIAL ANXIETY DISORDER: A MULTI-METHODS APPROACH
Sara V. Tupak¹, Alexander Mohr², Stephanie Böhme², & Thomas Straube¹
¹University of Münster, ²University of Jena
134. EFFECTS OF ATTENTIONAL LOAD ON PROCESSING OF THREAT-RELATED STIMULI IN SPIDER PHOBIA
Katharina Feldker, Claudia Schulz, Sabrina Schneider, Judith Lipka, & Thomas Straube

1University of Münster, 2University of Tübingen, 3University of Jena

135. FEAR AND DISGUST PROCESSING BEFORE AND AFTER CBT IN SPIDER PHOBIA
Thomas Geldmacher, Judith Lipka, Sara V. Tupak, & Thomas Straube

1University of Münster, 2University of Jena

136. NEURAL RESPONSES TO EMOTIONAL FACES: EFFECTS OF EMOTIONAL INTENSITY
Martin Mothes-Lasch, Wolfgang H.R. Miltner, & Thomas Straube

1University of Münster, 2University of Jena

137. NEURAL BASIS OF GAZE PROCESSING IN SOCIAL ANXIETY
Claudia Schulz, Stephanie Boehme, Bernd Langohr, Martin Mothes-Lasch, & Thomas Straube

1University of Münster, 2University of Jena

138. NEURAL CORRELATES OF ANTICIPATION OF PERFORMANCE FEEDBACK IN SOCIAL ANXIETY
Carina Heitmann, Jutta Peterburs, Marlit Carolin Hallfarth, & Thomas Straube

1University of Münster, 2University of Jena

139. INVESTIGATING A NOVEL MEASURE OF SKIN CONDUCTANCE FOR ASSESSING COGNITIVE INVOLVEMENT IN MEDIA TASKS
Leo Yeykelis, James J. Cummings, Annie Lang, & Byron Reeves

1Stanford University, 2Indiana University

140. EVENT-RELATED BRAIN POTENTIALS EVOKED BY EMOTIONAL PICTURES AS A FUNCTION OF VIOLENT GAME EXPOSURE AND MOTIVATIONAL ACTIVATION
Satoko Kurita, Hirokata Fukushima, Harumitsu Murohashi, Robert F. Potter, & Annie Lang

1Osaka University of Economics, 2Kansai University, 3Hokkaido University, 4Indiana University Bloomington
141. AFFECTIVE PSYCHOPHYSIOLOGICAL RESPONSES TO (UN)JUSTIFIED MEDIATED VIOLENCE: EMPATHIZING AND SYSTEMIZING DIFFERENCES  
Lelia Samson & Robert F. Potter  
Indiana University

142. THE INFLUENCE OF ADDED MOTIVATIONAL ACTIVATION DURING TELEVISION VIEWING ON THE POST-AURICULAR REFLEX  
Johnny V. Sparks  
Central Michigan University

143. BIOLOGICAL IMPERATIVES: OBJECTS, REPRESENTATIONS, AND SYMBOLS  
Annie Lang, Rachel L. Bailey, & Sean R. Connolly  
Indiana University

144. RESTING HRV AS AN INHIBITOR OF TRAIT MOTIVATIONAL REACTIONS  
Rachel L. Bailey, Annie Lang, & Robert F. Potter  
Indiana University

145. THE NEURAL CORRELATES OF PRODUCT EVALUATION AND RECOGNITION  
Kazutaka Ueda & Yuji Meno  
The University of Tokyo

146. THE NUMBER OF PLAYERS IN COMPETITIVE VIDEO GAMES: EFFECTS ON AUTONOMIC ACTIVITIES AND SUBJECTIVE AFFECT  
Kohei Fuseda, Shota Watanabe, Shunya Omori, Kyosuke Takeno, Yurie Tojo, Ayako Nakao, Yuichiro Nagano, & Takefumi Kobayashi  
Bunkyo Gakuin University

147. PSYCHOLOGICAL AND PHYSIOLOGICAL RESPONSES DURING FLOW STATE: A STUDY FOR FLOW STATE DURING A GAME TASK  
Shunya Omori, Yuichiro Nagano, & Takefumi Kobayashi  
Bunkyo Gakuin University

148. THE EFFECTS OF COOPERATOR PRESENCE ON AUTONOMIC ACTIVITIES DURING HORROR VIDEO GAME PLAY  
Shota Watanabe, Shunya Omori, Kyosuke Takeno, Kohei Fuseda, Akihiro Matsumoto, Ayako Nakao, Yuichiro Nagano, & Takefumi Kobayashi  
1Bunkyo Gakuin University, 2Keio University
149. MEASURING MULTI-PARTICIPANT’S AUTONOMIC ACTIVITIES WITH A WIRELESS SENSOR NETWORK
Yuichiro Nagano, Shota Watanabe, Kohei Fuseda, & Rina Taira
Bunkyo Gakuin University

150. A VALIDATION STUDY OF THE AFFECTIVA Q-SENSOR IN DIFFERENT SOCIAL LABORATORY SITUATIONS
Arvid Kappas, Dennis Kuester, Christina Basedow, & Pasquale Dente
Jacobs University Bremen

151. RACIAL BIAS IN SOMATOSENSORY RESONANCE DURING OBSERVATION OF PAIN IN OTHERS
Igor Riecansky, Sara Koelble, Nina Paul, Stefan Stieger, & Claus Lamm
University of Vienna

152. A FUNCTIONAL APPROACH TO GROUP BIASES IN MOTOR RESONANCE
Jennifer N. Gutsell¹ & Michael Inzlicht²
¹Brandeis University, ²University of Toronto

153. THE PHYSIOLOGICAL LINK BETWEEN PERCEIVED SIMILARITY, CONFLICT, AND CROSS-GROUP FRIENDSHIP POTENTIAL
Chad M. Danyluck & Elizabeth Page-Gould
University of Toronto

154. EMPATHY AND WITHDRAWAL-RELATED NEGATIVE AFFECT
Alexa M. Tullert¹, Eddie Harmon-Jones², & Michael Inzlicht³
¹University of Alabama, ²The University of New South Wales, ³University of Toronto

155. PSYCHOPATHIC TRAITS AND THE USE OF SOCIAL AND NON-SOCIAL INFORMATION DURING ASSOCIATIVE LEARNING
Inti A. Brazil¹, Laurence T. Hunt², Berend H. Bulten³, Roy P.C. Kessels¹, Ellen R.A. de Bruijn⁴, & Mars B. Rogier²
¹Donders Institute for Brain, Cognition and Behaviour, ²University of Oxford, ³Pompestichting, ⁴Leiden University
156. THE EFFECTS OF OXYTOCIN ON SELF-OTHER INTEGRATION AND SOCIAL CONFORMITY BEHAVIOR
Ellen R.A. de Bruijn & Margit I. Ruissen
Leiden University
Poster Session III
Friday, October 4

Poster Session Schedule

8:00 A.M.–10:15 A.M.  Posters Assembled
10:15 A.M.–5:30 P.M.  Posters Available for Viewing
5:30 P.M.–7:30 P.M.   Authors Present for Discussion and Questions
7:30 P.M.–8:00 P.M.   Dismantle Posters

1. ACUTE ENHANCEMENT OF SEROTONIN NEUROTRANSMISSION WITH ESCITALOPRAM ON POSITIVE AND NEGATIVE EMOTION PROCESSING: A RANDOMIZED, CROSSOVER fMRI STUDY
Tim Outhred¹, Pritha Das¹, Kim L. Felmingham², Richard A. Bryant³, Pradeep J. Nathan¹, Gin S. Malhi¹, & Andrew H. Kemp¹
¹The University of Sydney, ²The University of Tasmania, ³The University of New South Wales, ⁴The University of Cambridge

2. A COMBINED GENETIC AND PHARMACOLOGICAL EEG STUDY OF SEROTONERGIC EFFECTS ON MONITORING AND CONTROL FUNCTIONS
Adrian G. Fischer & Markus Ullsperger
University of Magdeburg

3. THE RELATIONSHIP BETWEEN ACHIEVEMENT EMOTIONS, MAOA GENE, AND BLOOD PRESSURE
Yangyang Liu¹ & Lu Zuhong²
¹Nanjing University, ²Southeast University

4. SEROTONIN TRANSPORTER GENE VARIATION AND PSYCHOPATHIC TRAITS MODULATE GAZE ON FACIAL EXPRESSIONS OF EMOTION
Sabrina Boll & Matthias Gamer
University Medical Center Hamburg-Eppendorf

5. EEG WAVELET ANALYSIS FOR THE ANTICIPATION OF NEUTRAL AND EMOTIONAL FACES
Maxim G. Sharaev¹ & Elena V. Mnatsakanian²
¹Moscow State University, ²Institute of Higher Nervous Activity and Neurophysiology, Russian Academy of Sciences
114  Poster Session III–Friday

6. EXPLICIT AND IMPLICIT SOCIAL COGNITION: GENDER DIFFERENCES IN HIGH-DENSITY ERPS
Elena V. Mnatsakanian
Institute of Higher Nervous Activity and Neurophysiology, Russian Academy of Sciences

7. SEX-RELATED DIFFERENCES IN THE REACTIONS TO EMOTIONALLY NEGATIVE TV-NEWS PLOTS
Sergii Tukaiev¹, Youri Havrylets¹, Olga Radchuk², Igor Zima³, Sergii Sobishchanskyi¹, Mukola Makarchuk¹, & Volodumur Rizun¹
¹National Taras Shevchenko University of Kyiv, ²University of Lugano

8. SYMPATHETIC REACTIVITY IN PEOPLE WITH A FAMILY HISTORY OF STROKE AND NEGATIVE AFFECT
Mardis S. Karlsdottir & Daniel Olason
The University of Iceland

9. SENSE OF IMPENDING DOOM: LOWER SYMPATHETIC ACTIVITY IN WAITING BLOOD DONORS WHO SUBSEQUENTLY EXPERIENCE VASOVAGAL SYMPTOMS
Philippe T. Gilchrist & Blaine Ditto
McGill University

10. SOCIAL CONTAGION OF VASOVAGAL SYMPTOMS IN THE BLOOD DONATION SETTING: PSYCHOLOGICAL AND PHYSIOLOGICAL EFFECTS
Saharnaz Balegh¹, Crystal D. Holly², Natania Marcus¹, & Blaine Ditto¹
¹McGill University, ²Ottawa Hospital Research Institute

11. HEART RATE VARIABILITY AS AN INDICATOR OF SELF-REGULATORY PROCESSES IN RESTRAINED EATING BEHAVIOR
Annika P.C. Lutz, Zoé van Dyck, & Claus Vögele
University of Luxembourg
12. **BODY COMPARISON: PSYCHOPHYSIOLOGICAL EFFECTS IN WOMEN WITH BULIMIA NERVOSA AND BODY DISSATISFACTION**
Blanca Ortega-Roldán, Sonia Rodríguez-Ruiz, José Luís Mata Martín, Sandra Díaz-Ferrer, & María Carmen Fernández-Santaella
*University of Granada*

13. **OBSESSIVE COMPULSIVE DISORDER AND PSYCHOPHYSIOLOGICAL ASSESSMENT: A NEW WAY TO DETECT PERFECTIONISM AND CONTROL**
Chiara Cosentino, Carlo Pruneti, Domenico Sgromo, & Francesca Agostinelli
*University of Parma*

14. **PSYCHOPHYSIOLOGICAL ASSESSMENT: A TOOL FOR DIAGNOSIS AND TREATMENT EVALUATION**
Carlo Pruneti, Chiara Cosentino, Chiara Fante, Domenico Sgromo, Francesca Agostinelli, & Augusto Innocenti
*University of Parma*

15. **THE LATE POSITIVE POTENTIAL AS A MEASURE OF EMOTIONAL REACTIVITY IN WOMEN WITH BINGEING BEHAVIOUR**
Rachelle M. Dominelli¹, Brittany C. Speed¹, Scott R. Carlson², & Colleen A. Brenner¹
¹*University of British Columbia*, ²*University of Minnesota Duluth*

16. **CAN’T TAKE MY EYES OFF YOU: COGNITIVE REAPPRAISAL FAILS WHEN ATTEMPTING TO REDUCE THE APPETITIVE VALUE OF FOOD**
Anne Schienle¹, Sonja Übel¹, Verena Leutgeb¹, & Michela Sarlo²
¹*University of Graz*, ²*University of Padova*

17. **CEREBELLAR ACTIVITY AND CONNECTIVITY DURING THE EXPERIENCE OF DISGUST AND HAPPINESS**
Wilfried Scharmüller & Anne Schienle
*University of Graz*
18. FEAR OF PAIN AND UNDERLYING ALLOCATION OF ATTENTION IN DENTOPHOBIA
Verena Leutgeb & Anne Schienle
University of Graz

19. NEURAL CORRELATES OF SHARED ATTENTION: IS PLAYING WITH ‘YOU’ MORE IMPORTANT THAN PLAYING WITH ‘IT’?
Tobias Flaisch, Sylvia Zimmerer, & Harald T. Schupp
University of Konstanz

20. NEURAL CORRELATES OF SERIOUS AND LIFE-THREATENING RISKS: CONTAGIOUSNESS MAKES A DIFFERENCE
Alexander Barth, Ralf Schmälzle, Britta Renner, & Harald T. Schupp
University of Konstanz

21. THE THIRSTY BRAIN: INTERACTION OF STIMULUS TYPE AND BEHAVIORAL STATE IN CORE MOTIVATIONAL REGIONS
Christoph A. Becker, Tobias Flaisch, Ralf Schmälzle, Britta Renner, & Harald T. Schupp
University of Konstanz

22. EMOTION AND ATTENTION EFFECTS IN PICTURE PROCESSING: AN ERP ANALYSIS
Ursula Kirmse, Tobias Flaisch, Ralf Schmälzle, & Harald T. Schupp
University of Konstanz

23. EMOTIONAL FACES DO NOT AFFECT THE PROCESSING OF SUBSEQUENT HAND GESTURES
Frank E.K. Häcker, Tobias Flaisch, & Harald T. Schupp
University of Konstanz

24. CO-REGISTRATION OF EYE MOVEMENTS AND EVENT-RELATED POTENTIALS IN CONNECTED-TEXT PARAGRAPH READING
University of South Carolina
25. **THE EFFECT OF COMPLEX WORDS IDENTIFIED IN THE WORD ASSOCIATION TEST (WAT) ON SLOW CORTICAL POTENTIALS (SCP)**

Hugo Sandoval & Phillip Bechtel

1Texas Tech PLFSOM El Paso, 2Jung Institute Zurich

26. **IT’S ALL IN YOUR HEAD—EFFECTS OF PUTATIVE SOURCE AND EMOTIONAL CONTENT ON PROCESSING EVALUATIVE WORD MESSAGES: AN ERP STUDY**

Sebastian Schindler, Inga Steppacher, Martin Wegrzyn, & Johanna Kißler

University of Bielefeld

27. **INVESTIGATING THE BRAIN BASIS OF FACIAL EXPRESSION PERCEPTION USING MULTI-VOXEL PATTERN ANALYSIS OF fMRI DATA**

Martin Wegrzyn, Marcel Riehle, Kirsten Labudda, Friedrich Woermann, & Johanna Kißler

1University of Bielefeld, 2Mara Hospital Bielefeld

28. **SOMETHING ALWAYS STICKS? EMOTIONAL MODULATION OF FACE PERCEPTION IN AN IMPLICIT MEMORY DESIGN**

Johanna Kißler & Janine Strehlow

1University of Bielefeld, 2University of Konstanz

29. **IS THE NB COMPONENT OF THE MIDDLE LATENCY AUDITORY EVOKED POTENTIAL AN INDICATOR OF PITCH ENCODING?**

Katarzyna Zarnowiec, Lilla Nafradi, Raffaele Cacciaglia, Sabine Grimm, & Carles Escera

University of Barcelona

30. **THE ADAPTATION OF N1 AS THE INDEX OF REPETITION SUPPRESSION RHYTHM-RELATED GAIN**

Lilla Náfrádi, Jordi Costa-Faidella, Sabine Grimm, & Carles Escera

1University of Barcelona, 2Nathan S. Kline Institute
31. AUDITORY DEVIANCE DETECTION IN THE HUMAN BRAINSTEM: DIRECT EVIDENCE FROM FUNCTIONAL MAGNETIC RESONANCE IMAGING
Raffaele Cacciaglia¹, Lavinia Slabu¹, Ana Sanjuán², Sabine Grimm¹, Noelia Ventura-Campos², César Ávila³, & Carles Escera¹
¹University of Barcelona, ²University Jaume I

32. REGULARITY ENCODING AND DEVIANCE DETECTION OF FREQUENCY MODULATED SWEEPS IN THE HUMAN AUDITORY EVOKED POTENTIALS
Miriam Cornella, Sumie Leung, Sabine Grimm, & Carles Escera
University of Barcelona

33. HORMONE LEVELS INFLUENCE P3 AMPLITUDE AND PERFORMANCE IN AN AUDITORY-VISUAL DISTRACTION PARADIGM
Lenka Selinger¹, Sonia do Vale², Joao M. Martins², Ana Gomes³, Manuel Bicho², Isabel do Carmo³, & Carles Escera¹
¹University of Barcelona, ²University of Lisbon, ³Santa Maria University Hospital

34. ABERRANT AUDITORY INFORMATION PROCESSING IN WORK RELATED BURNOUT: AN EVENT-RELATED POTENTIAL STUDY
Satu Pakarinen, Laura Sokka, Marianne Leinikka, Andreas Henelius, Jussi Korpela, Jani Lukander, & Minna Huotilainen
Finnish Institute of Occupational Health

35. DECREASE OF PROCESSING SPEED DUE TO SWITCHING BETWEEN TASKS: MEG EVIDENCE
Minna Huotilainen & Lauri Ahonen
Finnish Institute of Occupational Health

36. EFFECTS OF TRANSCRANIAL DIRECT CURRENT STIMULATION (TDCS) ON MMN-INDEXED AUDITORY SENSORY MEMORY: EVIDENCE FROM AN ERP PILOT STUDY
Danielle Impey & Verner Knott
University of Ottawa Institute of Mental Health Research
37. SEPARATE AND COMBINED EFFECTS OF BUPROPION AND VARENICLINE ON ATTENTIONAL PROCESSES IN TOBACCO ABSTINENT SMOKERS
Joëlle Choueiry\(^1\), Derek Fisher\(^2\), Adam Heenan\(^3\), Erin Clough\(^4\), Dhrasti Shah\(^1\), Natalia Jaworska\(^1\), Vadim Illiitsky\(^1\), & Verner Knott\(^1\)
\(^1\)University of Ottawa Institute of Mental Health Research, \(^2\)Mount Saint-Vincent University, \(^3\)Carleton University, \(^4\)University of Ottawa

38. SENSORY GATING IN SCHIZOPHRENIA AND ITS IMPLICATIONS FOR AUDITORY HALLUCINATIONS: A COMBINED TIME-FREQUENCY, EVENT-RELATED POTENTIAL, AND NEUROANATOMICAL STUDY
Crystal M. Blais\(^1\), Joelle Choueiry\(^2\), Dhrasti Shah\(^2\), Joe Borracci\(^3\), Alain Labelle\(^3\), & Verner J. Knott\(^1\)
\(^1\)University of Ottawa Institute of Mental Health Research, \(^2\)University of Ottawa, \(^3\)Royal Ottawa Mental Health Centre

39. PREVENTING DISTRACTION IN REGULAR TONE SEQUENCES
Márta Volosin & János Horváth
Hungarian Academy of Sciences

40. THE SENSORY IMPACT OF DISTRACTION
János Horváth
Hungarian Academy of Sciences

41. CAPTURING ATTENTIONAL RESOURCES: COMPARING THE EFFECTIVENESS OF TWO TYPES OF TASK-IRRELEVANT AUDITORY STIMULI IN INDEXING ATTENTIONAL RESERVE
Ford Dyke\(^1\), Maurice M. Godwin\(^1\), Jeremy C. Rietschel\(^2\), Craig G. McDonald\(^1\), & Matthew W. Miller\(^1\)
\(^1\)Auburn University, \(^2\)Veterans Health Administration, \(^3\)George Mason University

42. A SIMPLE PROTOCOL FOR ELICITING ERP RESPONSES TO MUSICAL CADENCES
Alessandra Virgillito\(^1\), Umberto Barcaro\(^2\), Luca Bonfiglio\(^1\), Massimo Magrini\(^2\), Bruno Rossi\(^1\), Ovidio Salvetti\(^2\), & Maria Chiara Carboncini\(^1\)
\(^1\)University of Pisa, \(^2\)Italian National Research Council
43. **AGE DIFFERENCES IN AUTOMATIC DETECTION OF RARE STIMULI IN AN AUDITORY ODDBALL EXPERIMENT**
   Stefan Berti¹, Matthias Gamer², & Gerhard Vossel¹
   ¹Johannes Gutenberg University of Mainz, ²University Medical Center Hamburg-Eppendorf

44. **EFFECTS OF AGING ON MOTOR PREPARATION PROCESSES**
   Max Encke, Philip J.A. Dean, Ellen Seiss, & Annette Sterr
   University of Surrey

45. **AGING RELATED RESPONSE MONITORING IS ASSOCIATED WITH SYNCHRONIZATION OF OSCILLATORY THETA NETWORKS**
   Juliana Yordanova & Vasil Kolev
   Bulgarian Academy of Science

46. **FRONTAL THETA ACTIVITY AND COGNITION OF PERIPHERAL VISION**
   Hiroshi Asada & Masayuki Hamaguchi
   Osaka Prefecture University

47. **TASK-DEPENDENT OSCILLATORY BRAIN ACTIVITY DURING OCULOMOTOR DELAYED RESPONSE TASKS**
   Melissa Nicol¹, James Desjardin¹, Lisa Schofield¹, William J. Tays², & Ayda Tekok-Kilic¹
   ¹Brock University, ²Rotman Research Institute

48. **INFLUENCES OF EXPECTATION AND SENSE OF CONTROL ON THE FEEDBACK RELATED NEGATIVITY**
   Angela Dzyundzyak, Diane L. Santesso, & Sidney J. Segalowitz
   Brock University

49. **UNDERSTANDING THE REGULARIZATION PARAMETER IN SLORETA: A SIMULATION STUDY**
   Allan S. Campopiano & Sidney J. Segalowitz
   Brock University
50. **TIME-FREQUENCY CHARACTERISTICS OF REACTIVE AND PROACTIVE CONTROL MECHANISMS DURING GLOBAL AND SELECTIVE RESPONSE INHIBITION**
Christina F. Lavallée, Marie-Theres Meemken, Christoph S. Herrmann, & René J. Huster
*Carl von Ossietzky University Oldenburg*

51. **MODULATION OF FRONTAL-MIDLINE THETA LEADS TO ENHANCED EXECUTIVE FUNCTIONS**
Stefanie Enriquez-Geppert¹, René J. Huster¹, Christian Figge², Jörg Zimmermann², & Christoph S. Herrmann¹
¹University of Oldenburg, ²European Medical School

52. **EFFECTS OF SLEEP DEPRIVATION IN A CONSTRAINED ENVIRONMENT ON INDIVIDUAL EMOTION AND FRONTAL EEG ASYMMETRY**
Lichao Xiu¹, Renlai Zhou¹, & Bin Wu²
¹Beijing Normal University, ²China Astronaut Research and Training Center

53. **EXECUTIVE FUNCTIONS INDICATED BY ERP AND POLYGRAPH: EFFECTS OF SOCIAL ISOLATION AND SLEEP DEPRIVATION**
Qing Liu¹, Renlai Zhou¹, & Bin Wu²
¹Beijing Normal University, ²China Astronaut Research and Training Center

54. **VARIATIONS ACROSS THE MENSTRUAL CYCLE IN RESTING FRONTAL EEG ACTIVITY**
Tamei Huang, Wenjuan Zhang, Mengying Wu, & Renlai Zhou
*Beijing Normal University*

55. **PSYCHOLOGICAL AND PHYSIOLOGICAL RESPONSES TOWARDS EMOTIONAL FILM CLIPS**
Mengying Wu & Renlai Zhou
*Beijing Normal University*
56. STARTLE REACTIVITY DURING VIOLENT AND COMEDY FILM SCENES: TAKING CALLOUS-UNEFFECTUAL TRAITS, IMPULSIVE, AND PREMEDITATED AGGRESSION INTO ACCOUNT
Kostas A. Fanti, Chrystalleni Nicolaou, & Georgia Panayiotou
University of Cyprus

57. AFFECTIVE STARTLE MODULATION AS RELATED TO SCHOOL-BASED AGGRESSION
Chrysostomos Lazarou & Georgia Panayiotou
University of Cyprus

58. EXAGGERATED AFFECTIVE STARTLE MODULATION AND SEVERITY OF SUICIDAL BEHAVIOR: A POTENTIAL BIOMARKER FOR SUICIDE RISK?
Erin A. Hazlett¹,², Nicolas Fernandez², Kathryn A. Mascitelli², Scott Sasso², Antonia S. New¹,², & Marianne Goodman¹²
¹Mount Sinai School of Medicine, ²JJPVA Medical Center

59. INFLUENCE OF BIS/BAS SENSITIVITY ON EMOTIONAL MODULATION AND PREPULSE INHIBITION OF THE STARTLE RESPONSE: AN ERP STUDY
Kathrin Sommer¹,², Maurits Van der Molen¹, & Vilfredo De Pascalis²
¹University of Amsterdam, ²La Sapienza University of Rome

60. REACTIVE AND PROACTIVE STRATEGIES OF COGNITIVE CONTROL: THE NOGO-N2 COMPONENT IN TRAIT-BIS AND TRAIT-BAS
Anja Leue & André Beauducel
University of Bonn

61. THE EFFECT OF FEEDBACK NOVELTY ON ERP CORRELATES OF FEEDBACK PROCESSING
Benjamin Ernst & Marco Steinhauser
Catholic University of Eichstätt-Ingolstadt
62. RAPID EVALUATION OF RESPONSE OUTCOME DURING PERFORMANCE MONITORING
Martin E. Maier & Marco Steinhauser
Catholic University of Eichstätt

63. SENSITIVITY TO NEGATIVE FEEDBACK PREDICTS RATIONALIZATION OF THE STATUS QUO: AN EVENT-RELATED POTENTIALS STUDY
Shona M. Tritt, Elizabeth Page-Gould, Jordan B. Peterson, & Michael Inzlicht
University of Toronto

64. EMOTIONAL REAPPRAISAL STRATEGIES: THE AROUSAL PROPERTIES OF THE ERROR-RELATED NEGATIVITY
Nick Hobson, Timour Al-Khindi, & Michael Inzlicht
University of Toronto Scarborough

65. TRAIT MINDFULNESS ATTENUATES NEUROAFFECTIVE REACTIONS TO REWARD VS. NON-REWARD DIFFERENTIATION
Rimma Teper & Michael Inzlicht
University of Toronto

66. ERROR-RELATED NEURAL DIFFERENCES IN CULTURE VALUE ORIENTATION
Christina Hong, Jeong Min Lee, Fang Fang Chen, & Robert F. Simons
University of Delaware

67. HOW FRIENDLY IS A LITTLE FRIENDLY COMPETITION? SOCIAL FACTORS MODULATE OUTCOME EVALUATION
Kathryn T. Roberts¹, Bo Yuan², Yiwen Wang¹², Emily M. Stanley¹, & Robert F Simons¹
¹University of Delaware, ²Tianjin Normal University

68. EMOTIONAL CONTEXT AND ERROR MONITORING IN GENERALIZED ANXIETY DISORDER
Samantha Berthod¹, Akeesha Simmons², Laura O’Toole¹, Douglas Mennin¹², & Tracy A. Dennis¹²
¹The Graduate Center, CUNY, ²Hunter College, CUNY
69. LONG-TERM LINKS BETWEEN BEHAVIORAL EMOTION REGULATION STRATEGIES AND LATE POSITIVE POTENTIAL IN SCHOOL-AGED CHILDREN: A BIOBEHAVIORAL STUDY
Sarah C. Babkirk¹, Amanda Rincon², Victor Rios², & Tracy A. Dennis¹,²
¹The Graduate Center, CUNY, ²Hunter College, CUNY

70. ATTENTION BIAS MODIFICATION IN HIGH TRAIT ANXIOUS ADULTS: AN ERP STUDY
Laura J. O'Toole¹, Jean Quintero², Sayma Ahmed², Jenna Rieder¹, & Tracy A. Dennis²
¹The Graduate Center, CUNY, ²Hunter College, CUNY

71. SOCIAL MEDIA USE AND EMOTIONAL PROCESSING: AN EVENT-RELATED POTENTIAL STUDY
Victor M. Rios¹, Amy Medina², Laura J. O'Toole³, & Tracy A. Dennis¹
¹Hunter College, CUNY, ²John Jay College of Criminal Justice, CUNY, ³The Graduate Center, CUNY

72. ELECTROPHYSIOLOGICAL CORRELATES OF CUED RECALL ARE MODULATED BY EPISODIC TEMPORAL COMPLEXITY
Roni Tibon, Shir Ben-Zvi, Ayelet Peer, & Daniel A. Levy
Interdisciplinary Center Herzliya

73. COMPARISON OF PERCEPTUAL LEARNING OF REAL AND VIRTUAL LINE ORIENTATIONS: AN EVENT-RELATED POTENTIAL STUDY
Fang Wang¹, Xiang Zhong¹, Jing Huang¹, YULONG Ding², & Yan Song¹
¹Beijing Normal University, ²Sun Yat-Sen University

74. ELECTROPHYSIOLOGICAL CORRELATES OF VISUAL WORKING MEMORY CAPACITY FOR OBSERVED ACTIONS
Li Siyao, Cai Ying, Wang Changming, & Xue Gui
Beijing Normal University

75. NO CONTRIBUTION OF SHORT-TERM MEMORY RETENTION TO MENTAL ROTATION-RELATED ERP NEGATIVITY
Livia Tomova¹, Igor Riecansky¹, Stanislav Katina², Herbert Bauer¹, Florian Fischmeister³, & Claus Lamm¹
¹University of Vienna, ²Slovak Academy of Sciences, ³Medical University of Vienna
76. THE EFFECT OF ELEVATED BLOOD SUGAR LEVELS ON ENCODING AND RETRIEVAL IN A VERBAL MEMORY TASK  
Ellen Seiss, Christopher Hope, Ashley Guinn, Philip J.A. Dean, & Annette Sterr  
University of Surrey

77. CARDIAC PARASYMPATHETIC CONTROL AS A PREDICTOR OF FAMILIARITY-BASED RETRIEVAL  
Midori Shibata¹, Yuri Terasawa², Saiko Tochizawa³, Yuko Yoshimura⁴, Satoko Otani¹, & Satoshi Umeda³  
¹Hokkaido University, ²National Center of Neurology and Psychiatry, ³Keio University, ⁴TOPPAN Printing Co. Ltd

78. OSCILLATORY BRAIN ACTIVITY RELATED TO RETRIEVAL FROM AUDITORY SHORT-TERM MEMORY: EVIDENCE FROM ELECTROENCEPHALOGRAPHY  
Sophie Nolden¹, Christine Lefebvre¹, Patrick Bermudez’, Stephan Grimault¹,², & Pierre Jolicoeur¹  
¹University of Montreal, ²CNRS

79. TRACING THE MEMORY OF A CURVE  
Christine Lefebvre¹, Thibaud Audevar², & Pierre Jolicoeur¹  
¹University of Montréal, ²University of Toulouse

80. DOES THE P300 CONTRIBUTE TO THE PARIETAL OLD/NEW EFFECT?  
Jomar Lopez, Siri-Maria Kamp, & Emanuel Donchin  
University of South Florida

81. ACUTE STRESS ENHANCES THE PARIETAL OLD/NEW EFFECT FOR EMOTIONAL PICTURES: AN ERP STUDY  
Janine Wirkner, Mathias Weymar, Andreas Löw, & Alfons O. Hamm  
University of Greifswald

82. TESTING EPISODIC MEMORY RETRIEVAL FOR PHARMACOLOGICAL STUDIES: RELIABILITY OF A CROSSOVER DESIGN  
Anna Jaworek & Alfons O. Hamm  
University of Greifswald
83. EMOTIONAL MEMORY IN BREAST CANCER SURVIVORS: NEUROPSYCHOLOGICAL AND NEUROPHYSIOLOGICAL CORRELATES
Andreas Löw¹, Anne-Marie Struck¹, Carmen Hamm², Janine Wirkner¹, Mathias Weymar¹³, & Alfons O. Hamm¹
¹University of Greifswald, ²University Medicine Greifswald, ³University of Florida

84. INFLUENCE OF GENETIC FACTORS ON FEAR ACQUISITION AND FEAR INHIBITION
Julia Wendt, Jörg Neubert, Katja Lindner, Alfons O. Hamm, & Almut I. Weike
University of Greifswald

85. PARALLEL ACQUISITION OF BOLD ACTIVITY AND ORBICULARIS EMG DURING FEAR CONDITIONING
Katja Lindner, Julia Wendt, & Alfons O. Hamm
University of Greifswald

86. SUFOCATION FEAR PREDICTS DEFENSIVE BEHAVIORS IN PATIENTS WITH PANIC DISORDER AND AGORAPHOBIA
Jan Richter, Alfons O. Hamm, & German Panic Network Consortium
University of Greifswald

87. DIFFERENTIAL EFFECTS OF PICTURE- AND TEXT-DRIVEN EMOTIONAL IMAGERY
Anke Limberg, Monique Thees, Carolin Weber, Alfons O. Hamm, & Julia Wendt
University of Greifswald

88. INTEROCEPTIVE EXPOSURE: HABITUATION OF DEFENSIVE MOBILIZATION ELICITED BY REPEATED HYPERVENTILATION
Christiane A. Pané-Farré, Katharina Holtz, & Alfons O. Hamm
University of Greifswald

89. OXYTOCIN ATTENUATES AMYGDALA HYPERREACTIVITY IN BORDERLINE PERSONALITY DISORDER
Alexander Lischke¹, Matthias Gamer², Christoph Berger¹, Gregor Domes³, & Sabine C. Herpertz⁵
¹University of Greifswald, ²University Medical Center Hamburg-Eppendorf, ³University of Rostock, ⁴University of Freiburg, ⁵University of Heidelberg
90. EFFECTS OF MINERALOCORTICOID RECEPTOR STIMULATION ON EMPATHY IN BORDERLINE PERSONALITY DISORDER
Linn K. Kuehl, Stefan Roepke, Katrin Jahnke, Kim Hinkelmann, Christian Otte, & Katja Wingenfeld
Charité University Medicine Berlin

91. Withdrawn

92. PATTERNS OF PSYCHOBIOLOGICAL REACTIVITY TO PSYCHOSOCIAL STRESS IN WOMEN WITH BORDERLINE PERSONALITY DISORDER
Jurate Aleknaviciute¹, Joke H.M. Tullen¹, Kees G. Kooiman², & Steven A. Kushner¹
¹Erasmus MC, ²Riagg Rijnmond

93. THE SOCIAL FUNCTION OF TEARS IN CRYING: A FACIAL ELECTROMYOGRAPHIC INVESTIGATION
Eric J. Vanman¹, Mari Horiguchi², & Leah Sharman¹
¹The University of Queensland, ²Monash University

94. RACIAL GROUP FACTOR ON DISTRIBUTIVE JUSTICE USING ERP
Yan Wang¹, Yi-Yuan Tang², Yuqin Deng¹, & Xiu Xin¹
¹Dalian University of Technology, ²Texas Tech University

95. POLITICAL IDEOLOGY AND THE REPRESENTATION OF BLACKNESS: LIBERALS AND CONSERVATIVES HAVE DISTINCT NEURAL RESPONSES TO OBJECTIVE VISUAL FEATURES OF RACE
Amy R. Krosch, John T. Jost, & Jay J. Van Bavel
New York University

96. RACIAL BIAS IN NEURAL EMPATHIC RESPONSES TO PAIN
Ross Cunnington, Luis S. Contreras, & Emily Hielscher
The University of Queensland
97. **THE IMPACT OF RACIAL STEREOTYPES ON BRAIN ACTIVATION DURING DECISIONS INVOLVING THREAT**
Keith B. Senholzi, Brendan E. Depue, Marie T. Banich, & Tiffany A. Ito
*University of Colorado–Boulder*

98. **ON THE LIKING AND WANTING OF CANNABIS: EXAMINING THE JOINT EFFECTS OF ATTITUDES AND CUE REACTIVITY AMONG CANNABIS USERS**
Erika A. Henry & Tiffany A. Ito
*University of Colorado*

99. **COGNITIVE PERFORMANCE AND BLOOD PRESSURE IN CONCURRENT KHAT AND TOBACCO USERS**
Motohiro Nakajima, Richard Hoffman, & Mustafa al’Absi
*University of Minnesota Medical School*

100. **THE ONGOING COGNITIVE PROCESSING OF EXCLUSIONARY SOCIAL EVENTS: EVIDENCE FROM EVENT-RELATED POTENTIALS**
Jason R. Themanson¹, Aaron B. Ball², Stephanie M. Khatcherian¹, Jennifer A. Schreiber¹, Amanda D. Larsen¹, Kaitlin R. Dunn¹, & Peter J. Rosen³
¹Illinois Wesleyan University, ²University of Chicago, ³Washington State University

101. **WHERE ARE YOU FROM? WHAT IS YOUR ACCENT? THE EFFECT OF EXPRESSEER GROUP AND DIALECT ON EMOTION RECOGNITION AND MIMICRY**
Marie Lasalle¹, Hilary A. Elfenbein², & Ursula Hess³
¹University of Quebec at Montreal, ²Washington University, ³Humboldt University of Berlin

102. **THE IMPACT OF PERCEIVED SIMILARITY AND CONFLICT ON AUTONOMIC RECOVERY AMONG PEOPLE WITH CROSS-GROUP FRIENDS**
Chad M. Danyluck & Elizabeth Page-Gould
*University of Toronto*
103. ANABOLIC REACTIVITY DURING ACUTE STRESS MAY FACILITATE RECOVERY FROM CATABOLIC PROCESSES
Amanda E. Sharples, Kaja K. Jasinska, & Elizabeth Page-Gould
University of Toronto

104. INDIVIDUAL DIFFERENCES IN SUCCESSFUL EMOTION REGULATION IN RELATION TO AMYGDALA-PREFRONTAL CONNECTIVITY
Sarah J. Brislin¹, Jens Foell¹, Dongju Seo², & Christopher J. Patrick¹
¹Florida State University, ²Yale University

105. ALPHA POWER AND ALPHA ASYMMETRY: RELATIONS TO PSYCHOPATHOLOGY
Casey M. Strickland¹, James Yancey¹, Uma Vaidyanathan², Guler Arsal¹, John J.B. Allen³, & Christopher J. Patrick¹
¹Florida State University, ²University of Minnesota, ³University of Arizona

106. OPERATIONALIZING DISPOSITIONAL FEAR CONJOINTLY THROUGH PHYSIOLOGY AND SELF-REPORT
James R. Yancey¹, Uma Vaidyanathan², & Christopher J. Patrick¹
¹Florida State University, ²University of Minnesota

107. TRAIT DISINHIBITION ASSOCIATED WITH REDUCED HEART RATE REACTIVITY DURING AFFECTIVE PICTURE VIEWING
Lindsey B. Shelton, James R. Yancey, Noah C. Venables, & Christopher J. Patrick
Florida State University

108. TRAIT DISINHIBITION, EXTERNALIZING PSYCHOPATHOLOGY, AND P300 AMPLITUDE: PHENOTYPIC AND GENETIC ASSOCIATIONS
Noah C. Venables¹, James R. Yancey¹, Brian M. Hicks², & Christopher J. Patrick¹
¹Florida State University, ²University of Michigan
109. VALIDATION OF A BRIEF MEASURE OF TRAIT DISINHIBITION: RELATIONS WITH EXTERNALIZING DISORDERS AND P300 BRAIN RESPONSE AMPLITUDE
Jens Foell, Noah C. Venables, James R. Yancey, & Christopher J. Patrick
Florida State University

110. CALLOUS AGGRESSIVE TENDENCIES PREDICT EMOTIONAL RESPONSE DEFICITS IN AN AFFECTIVE PICTURE-VIEWING PARADIGM
Laura E. Drislane, James R. Yancey, & Christopher J. Patrick
Florida State University

111. QUANTIFYING DISINHIBITION PRONENESS AS A PSYCHOMETRIC/NEUROPHYSIOLOGICAL (PSYCHONEUROMETRIC) COMPOSITE
Christopher J. Patrick¹, Noah C. Venables¹, James R. Yancey¹, Brian M. Hicks², Lindsay D. Nelson¹, & Mark D. Kramer³
¹Florida State University, ²University of Michigan, ³Minneapolis VA Medical Center

112. REDUCED DEFENSIVE REACTIVITY AND THE TRIARCHIC MODEL OF PSYCHOPATHY: THE ROLE OF BOLDNESS
Carlos Ventura, Rosario Poy, Àngels Esteller, Pilar Segarra, Alicia Fonfría, Raúl López, Pablo Ribes, & Javier Moltó
University of Jaume I

113. REDUCED ERROR-RELATED NEGATIVITY AND THE TRIARCHIC MODEL OF PSYCHOPATHY: THE ROLE OF DISINHIBITION
Alicia Fonfría, Àngels Esteller, Rosario Poy, Pilar Segarra, Raúl López, Pablo Ribes, Carlos Ventura, & Javier Moltó
University of Jaume I

114. REDUCED P300 AND THE TRIARCHIC MODEL OF PSYCHOPATHY: THE ROLE OF DISINHIBITION
Pablo Ribes, Rosario Poy, Àngels Esteller, Pilar Segarra, Raúl López, Alicia Fonfría, Carlos Ventura, & Javier Moltó
University of Jaume I
115. TEMPORAL POLAR AND ANTERIOR CONGULATE CORTICAL THINNING IN VIOLENT PSYCHOPATH OFFENDERS
Ana Calzada-Reyes¹, Mitchell Valdes-Sosa¹, Alfredo Alvarez-Amador², Lídice Galán-García², & Lester Melie-García²
¹Legal Medicine Institute, ²Cuban Neuroscience Center

116. FUNCTIONAL AND STRUCTURAL IMPAIRMENT OF THE LEFT AMYGDALA IN VIOLENT NON-PSYCHOPATH MEN
Maria Antonieta Bobes¹, Feggy Ostroski², Karla Diaz², Cesar Romero², Karina Borja¹, Yusniel Santos¹, & Mitchell Valdes-Sosa¹
¹Cuban Neuroscience Center, ²National Autonomous University of Mexico

117. ATTENTION FOR EMOTION REDUCED IN PSYCHOPATHS WATCHING EMOTIONAL FACIAL EXPRESSIONS
Hedwig Eisenbarth¹, Susanne Meyer¹, & Michael Osterheider²
¹University of Colorado–Boulder, ²University of Regensburg

118. PSYCHOPATHY AND BRAIN RESPONSES DURING TARGET DETECTION TASKS: fMRI AND ERP FINDINGS
Nathaniel E. Anderson, James M. Maurer, & Kent A. Kiehl
Mind Research Network

119. I DON’T CARE IF I DIE: PSYCHOPATHIC TRAITS AND ERP MEASURES OF RISK TAKING
Stephen D. Benning¹, Allan J. Heritage², & Loran A. Kelly²
¹University of Nevada, Las Vegas, ²Vanderbilt University

120. REDUCED POSITIVE EMOTIONALITY UNDERPINS SUBCLINICAL DEPRESSION: EVIDENCE FROM PSYCHOPHYSIOLOGY, SELF-REPORT, AND SYMPTOM CLUSTERS
Belel Ait Oumeziane & Stephen D. Benning
University of Nevada, Las Vegas
121. PSYCHOPATHY AND EVENT-RELATED POTENTIALS ELICITED BY CHANGE OF FACIAL EXPRESSIONS
Takahiro Osumi, Koki Tsuji, & Satoshi Umeda
Keio University

122. EFFECTS OF YOGA ON DEPRESSIVE SYMPTOMS AND CARDIAC AUTONOMIC CONTROL IN WOMEN
I. Hua Chu & Yuh Jen Lin
Kaohsiung Medical University

123. EFFECTS OF MAJOR DEPRESSION ON FEEDBACK PROCESSING IN A PROBABILISTIC REVERSAL LEARNING TASK: AN ERP STUDY
Frederik M. Van der Veen¹, Gabry W. Mies², Sabine Wanmaker¹, & Elke Geraerts¹
¹Erasmus University Rotterdam, ²Radboud University Nijmegen

124. BRAIN NETWORK DYSFUNCTION IN DEPRESSION: EFFECT OF MOOD DIMENSIONALITY AND SELF-APPRAISAL ON THE LATE POSITIVE COMPLEX
Allison C. Waters¹ & Don M. Tucker¹²
¹University of Oregon, ²Electrical Geodesics, Inc.

125. JUVENILE ONSET DEPRESSION HISTORY ALTERS AUTONOMIC BALANCE IN RESPONSE TO PSYCHOLOGICAL AND PHYSICAL CHALLENGES
Lauren M. Bylsma¹, Ilya Yaroslavsky¹, J. Richard Jennings¹, Jonathan Rottenberg², & Maria Kovacs¹
¹University of Pittsburgh, ²University of South Florida

126. DIFFICULTIES IN EMOTION REGULATION AND SUICIDALITY ASSOCIATED WITH ABNORMALITIES IN RESTING RSA AND TASK-RELATED RSA CHANGES
Christa D. Labouliere¹, Lauren M. Bylsma², Vanessa Panaite¹, Kristen Salomon¹, & Jonathan Rottenberg¹
¹University of South Florida, ²University of Pittsburgh
127. THE EFFECT OF HOSTILE AND BENEVOLENT SEXISM ON WOMEN’S CARDIOVASCULAR REACTIVITY AND RECOVERY FROM A LABORATORY STRESSOR
Kaleena D. Burgess, Kristen Salomon, & Jennifer Bosson
University of South Florida

128. NEUROLOGICAL AND AFFECTIVE VULNERABILITY TO DEPRESSION: A PROSPECTIVE STUDY
Michael D. Tooley, Rosie Moody, & Gina M. Grimshaw
Victoria University of Wellington

129. ELECTROPHYSIOLOGICAL EVIDENCE FOR EMOTION REGULATION ABNORMALITIES IN EUTHYMIC BIPOLAR DISORDER
Sandra Schönfelder¹, Philipp Kanske², & Michèle Wessa³
¹Center of Psychosocial Medicine, Heidelberg University,
²Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig,
³Central Institute of Mental Health, Heidelberg University

130. EMOTIONAL CONTROL AND INDIVIDUAL DIFFERENCES IN TENDENCY TO RUMINATE AS REVEALED BY EEG INDEPENDENT COMPONENT ANALYSIS
Magdalena Ferdek & Miroslaw Wyczesany
Jagiellonian University

131. INTELLIGENCE AND PCA-DERIVED ERP COMPONENTS IN AN AUDITORY EQUIPROBABLE GO/NOGO TASK
Genevieve Z. Steiner, Robert J. Barry, & Craig J. Gonsalvez
University of Wollongong

132. PRESTIMULUS EEG – ERP AMPLITUDE RELATIONSHIPS IN THE EQUIPROBABLE GO/NOGO N1 AND P3
Frances M. De Blasio & Robert J. Barry
University of Wollongong
133. UPS, UPS, AND AWAY: AN EVENT-RELATED POTENTIAL STUDY OF PHONOLOGICAL AMBIGUITY RESOLUTION IN THE TWO CEREBRAL HEMISPHERES
Fanny Chu, Negin Khalifian, & Sarah Laszlo
Binghamton University, SUNY

134. AN ELECTROPHYSIOLOGICAL INVESTIGATION OF INDIVIDUAL DIFFERENCES IN READING DEVELOPMENT
Negin Khalifian & Sarah Laszlo
Binghamton University, SUNY

135. EMPATHIC REACTIONS OF YOUNG AND OLDER ADULTS: NO AGE RELATED DECLINE IN AFFECTIVE RESPONDING
Isabell Hühnel, Mara Fölster, Katherine Jung, Katja Werheid, & Ursula Hess
Humboldt University of Berlin

136. A WOMAN’S BEST FRIEND: HOW THE PRESENCE OF DOGS REDUCES EXPERIMENTALLY INDUCED PAIN
Maxi Freudenberg, Heidi Mauersberger, Anne Springer, Aikaterini Fotopoulou, Christophe Blaison, & Ursula Hess
1Humboldt University of Berlin, 2University of Potsdam, 3University College London

137. IGNORED FACES ARE PROCESSED BUT NOT MIMICKED
Ursula Hess, Christophe Blaison, & Gün R. Semin
Humboldt University of Berlin

138. THE EFFECT OF SOCIAL CONTEXT ON FACIAL MIMICRY TO HALF VISIBLE FACES AND FULLY VISIBLE FACES
Christophe Blaison, Carla Strauss, Shlomo Hareli, & Ursula Hess
1Humboldt University of Berlin, 2University of Haifa

139. MIMICRY DOES NOT NEED TO BE SOCIAL BUT SOCIAL CONTEXT INFLUENCES MIMICRY
Jonas Dietrich, Isabell Hühnel, Susanne Sangenstedt, & Ursula Hess
1Humboldt University of Berlin, 2University of Münster
140. AFFILIATION MOTIVATION AND EMPATHIC REACTIONS TO EMOTION EXPRESSIONS BY THE YOUNG AND ELDERLY
Janka Kuszynski, Isabell Hühnel, Jens B. Asendorpf, & Ursula Hess
Humboldt University of Berlin

141. EFFECT OF EMPATHY AND SOCIAL CONTENT ON THE PSYCHOPHYSIOLOGICAL RESPONSES PROMOTED BY AFFECTIVE PICTURES
Vladimir Kosonogov, Juan P. Sanchez-Navarro, Jose M. Martinez-Selva, Ginesa Torrente, & Eduvigis Carrillo-Verdejo
University of Murcia

142. EFFECTS OF VIEWING PLEASANT AND UNPLEASANT AFFECTIVE PICTURES ON SLEEP PARAMETERS IN SUBSEQUENT NIGHTTIME SLEEP: EXAMINING TOTAL AMOUNT AND LATENCY TO EACH SLEEP STAGE
Toshihiko Sato
Töhoku Bunka Gakuen University

143. SLEEP’S DEPOTENTIATING EFFECT ON HEART RATE DECELERATION AND SKIN CONDUCTANCE RESPONSE
Jessica Payne¹, Tony Cunningham¹, Michael Villano¹, Stephen Mattingly¹, Elizabeth Kensinger², & Charles Crowell¹
¹University of Notre Dame, ²Boston College

144. CONSTRUCTION AND VALIDATION OF THE ELECTROENCEPHALOGRAPHIC ANALOGUES OF THE KAROLINSSA SLEEPINESS SCALE BASED ON THE KAROLINSSA DROWSINESS TEST
Arcady A. Putilov
Research Institute for Molecular Biology and Biophysics, Novosibirsk

145. PSYCHOPHYSIOLOGICAL STATUS OF LONG-HAUL TRUCK DRIVERS DURING NIGHT AND DAY TRIPS
Mikael Sallinen¹, Mia Pylkkönen¹, Hanna-Kaisa Hyvärinen¹, Harri Lindholm¹, Paruthi Pradhapan¹, Maria Sihvola¹, Mika Tarvainen¹, & Jari Viik³
¹Finnish Institute of Occupational Health, ²University of Eastern Finland, ³Tampere University of Technology
146. THE EFFECTS OF LOW DOSES OF MORPHINE ACUTE ADMINISTRATION ON THE SLEEP-WAKEFULNESS CYCLE STRUCTURE
Tamar G. Basishvili, Mariam V. Gogichadze, Irma J. Gvilia, Nato D. Darchia, Maia Datunashvili, Nikoloz T. Oniani, & Manana M. Nemsadze
Ilia State University

147. HYPNOTIZABILITY AND HYPNOSIS MODULATION OF PAIN PERCEPTION: EFFECTS ON SOMATOSENSORY EVENT-RELATED POTENTIALS (SERPS)
Vilfredo De Pascalis, Vincenzo Varriale, & Immacolata Cacace
Sapienza University of Rome

148. HYPNOTICALLY INDUCED SOMATOSENSORY ALTERATIONS: TOWARD A NEUROPHYSIOLOGICAL UNDERSTANDING OF HYSTERICAL CONVERSION
Maor Zeev Wolf¹, Abraham Goldstein¹, & Eitan Abramowitz²
¹Bar Ilan University, ²Hadassah Medical Center

149. FREQUENCY-DEPENDENT NEURAL SIGNATURES OF SELF-REFERENCE IN LONG-TERM MINDFULNESS MEDITATORS: A MEG STUDY
Yair Dor-Ziderman¹, Aviva Berkovich-Ohana², Joseph Glicksohn¹, & Abraham Goldstein¹
¹Bar Ilan University, ²Weizman Institute

150. NARCOTIC ANESTHESIA AND HYPNOTIC TRANCE REFLECT THE BREAKDOWN OF COHERENT NEURAL OSCILLATIONS BETWEEN DIFFERENT BRAIN AREAS
Wolfgang H.R. Miltner, Luisa Kreußel, Nora Hoen, & Holger Hecht
University of Jena

151. THE ROLE OF CONSCIOUS AND UNCOSCIOUS PROCESSES IN CONDITIONED ANALGESIA
Elisa Carlino¹, Diana Torta², Elisa Frisaldi³, Alessandro Piedimonte⁴, Sergio Vigetti¹, Antonella Pollo, & Fabrizio Benedetti¹
¹University of Turin Medical School, ²Koelliker Hospital, ³National Institute of Neuroscience, ⁴University of Turin
152. ON THE USE OF MULTIFEATURE MISMATCH NEGATIVITY PARADIGM IN SEVERE DISORDERS OF CONSCIOUSNESS
Boris Kotchoubey\textsuperscript{1}, Sandra Veser\textsuperscript{1}, Alexandra Markl\textsuperscript{2}, Dominik Vogel\textsuperscript{1}, & Andrea Kübler\textsuperscript{3}
\textsuperscript{1}University of Tübingen, \textsuperscript{2}Schoen Clinics of Neurological Rehabilitation, \textsuperscript{3}University of Würzburg

153. MINDFULNESS TRAINING AFFECTS THE PROCESSING OF NOCICEPTIVE STIMULI
Rob Van der Lubbe, Elian De Kleine, Jorian Blom, Karlein Schreurs, & Ernst Bohlmeijer
University of Twente

154. CARDIOVASCULAR REACTIVITY AND CHRONIC PAIN
Dmitry M. Davydov\textsuperscript{1}, Solomon Perlo\textsuperscript{2}, & David Shapiro\textsuperscript{2}
\textsuperscript{1}Russian Academy of Medical Sciences, \textsuperscript{2}University of California, Los Angeles

155. AUTONOMIC RESPONSE TO EMOTIVE NARRATIVES AND PSYCHOTICISM TRAIT
Nadezhda E. Lysenko\textsuperscript{1} & Dmitry M. Davydov\textsuperscript{2}
\textsuperscript{1}V. P. Serbsky State Research Center of Social and Forensic Psychiatry, \textsuperscript{2}Russian Academy of Medical Science

156. COGNITION AT ALTITUDE: IMPAIRMENT IN EXECUTIVE AND MEMORY PROCESSES UNDER HYPOXIC CONDITIONS
Sherri Ferguson, James Mayall, & Deyar Asmaro
Simon Fraser University

157. EFFECTS OF SENSORY DEPRIVATION ON CREATIVE THINKING IN RELATION TO GENERAL PHYSIOLOGICAL AROUSAL
Allison Burke, Jessica Florian, Lucas Lemasters, Sierra Moore, & Bryan Raudenbush
Wheeling Jesuit University

158. PERSONALITY CHARACTERISTICS AND LEVEL OF FRUSTRATION AS RELATED TO PHYSIOLOGICAL MEASURES
Kelley Asbury, August Capiola, Jessica Florian, Megan Jarvis, Sierra Moore, & Bryan Raudenbush
Wheeling Jesuit University
1. READY, STEADY, STOP! THE NEURAL CORRELATES OF RESPONSE INHIBITION TO UNPLEASANT STIMULI
Giulia Buodo, Michela Sarlo, Giovanni Mento, Simone Messerotti Benvenuti, Marianna Munafò, & Daniela Palomba
University of Padova

2. VISUAL WORKING MEMORY REPRESENTATIONS OF TRUSTWORTHY AND UNTRUSTWORTHY FACES: AN EVENT-RELATED POTENTIAL INVESTIGATION
Federica Meconi¹, Roy Luria², & Paola Sessa³
¹University of Padova, ²University of Tel Aviv

3. EGOISTIC RATHER THAN PROSOCIAL MOTIVATION PREDICTS CORTICAL ACTIVITY AND BEHAVIORAL CHOICES IN MORAL DILEMMAS
Michela Sarlo, Lorella Lotto, Andrea Manfrinati, Carolina Pletti, Rino Rumiati, & Daniela Palomba
University of Padova

4. SPATIAL MONITORING UNDER DUAL-TASK CONDITIONS: EVIDENCE FROM EVOKE POTENTIALS
Chiara Spironelli¹, Mario Bonato², Matteo Lisi³, Konstantinos Priftis¹,⁴, & Marco Zorzi¹,⁴
¹University of Padova, ²Ghent University, ³Paris Descartes University, ⁴IRCSS San Camillo Hospital Foundation

5. DEPRESSION IS ASSOCIATED WITH REDUCED HRV AND EEG ALPHA IN PATIENTS AFTER CARDIAC SURGERY
Elisabetta Patron¹, Simone Messerotti Benvenuti¹, Giuseppe Favretto², Renata Gasparotto³, & Daniela Palomba¹
¹University of Padua, ²Motta di Livenza Hospital
6. DEPRESSION AND REDUCED HEART RATE VARIABILITY AFTER CARDIAC SURGERY: THE MEDIATING ROLE OF EMOTION REGULATION
Simone Messerotti Benvenuti¹, Elisabetta Patron¹, Giuseppe Favretto², Renata Gasparotto², & Daniela Palomba¹
¹University of Padova, ²Motta di Livenza Hospital

7. EMOTIONAL PSYCHOPHYSIOLOGICAL RESPONSES IN WOMEN WITH LOW AND HIGH LEVELS OF EMPATHY
Eleonora Poli & Alessandro Angrilli
University of Padova

8. WORKING MEMORY PERFORMANCE AND CARDIOVASCULAR ACTIVITY IN YOUNG PRIMARY INSOMNIACS
Nicola Cellini¹, Massimiliano de Zambotti², Naima Covassin¹, Michela Sarlo¹, & Luciano Stegagno¹
¹University of Padua, ²SRI International

9. PSYCHOPHYSIOLOGICAL REACTIVITY TO SYMPTOM-RELATED EMOTIONAL STIMULI IN INSOMNIA: A REPLICATION AND EXTENSION TO DISORDERED EATING
Caterina Lombardo¹, Gemma Battagliese¹, Monica David¹, Barbara Lorusso¹, Chiara Baglioni², Colin Espie³, & Cristiano Violani¹
¹Sapienza University of Rome, ²Freiburg University Medical Center, ³University of Glasgow

10. THE INFLUENCE OF CONTEXTUAL INFORMATION ON OBJECT RECOGNITION
Ulla Martens¹ & Satu Palva²
¹University of Osnabrück, ²Neuroscience Center, Helsinki

11. EMOTION IN CONTEXT: A STEADY-STATE VISUAL EVOKED POTENTIALS STUDY
Benjamin Kuhr, Ulla Martens, & Thomas Gruber
University of Osnabrück

12. ATTENTIONAL DEPLOYMENT IS MODULATED BY RESPONSE REQUIREMENT AND PERCEPTUAL TRAINING
Zhe Qu, Yuling Su, & Yulong Ding
Sun Yat-Sen University
13. **TOP-DOWN SPATIAL ATTENTION IS IMPORTANT BUT NOT NECESSARY FOR CONTINGENT ATTENTION CAPTURE**
   Yuling Su, Zhe Qu, & Yulong Ding
   *Sun Yat-Sen University*

14. **BRAIN MECHANISMS OF VISUAL PERCEPTUAL LEARNING AND ITS PRESERVATION**
   Yulong Ding, You Wang, & Zhe Qu
   *Sun Yat-Sen University*

15. **BROADENING OF ATTENTION UNDER POSITIVE MOOD COMES BEFORE TOP-DOWN ATTENTION GATING FOR ATTENDED VISUAL STIMULI**
   Naomi Vanlessen, Valentina Rossi, Rudi De Raedt, & Gilles Pourtois
   *University of Ghent*

16. **EARLY FILTERING OF IRRELEVANT INFORMATION IN PRIMARY VISUAL CORTEX DEPENDS ON STATE ANXIETY AND THREAT CONTENT: AN ERP STUDY**
   Valentina Rossi & Gilles Pourtois
   *Ghent University*

17. **EFFECTS OF POSITIVE MOOD ON THE ELECTROPHYSIOLOGICAL CORRELATES OF PROBABILISTIC LEARNING**
   Jasmina Bakic, Rudi De Raedt, & Gilles Pourtois
   *Ghent University*

18. **THE ERROR POSITIVITY: WHERE INTEROCEPTION AND ERROR AWARENESS MEET**
   Elke Godefroid, Jan R. Wiersema, & Gilles Pourtois
   *Ghent University*

19. **THE OPIOID PEPTIDE DYNORPHIN MODULATES ERROR-RELATED BRAIN RESPONSES**
   Daniela M. Pfabigan, Jürgen Pripfl, Sara L. Kroll, Uta Sailer, & Claus Lamm
   *University of Vienna, University of Gothenburg*
20. ABNORMAL ERROR MONITORING IN MATH-ANXIOUS INDIVIDUALS: EVIDENCE FROM ERROR-RELATED BRAIN POTENTIALS
Macarena Suárez Pellicioni, María Isabel Nuñez Peña, & Àngels Colomé
University of Barcelona

21. ERROR-MONITORING AND THE MECHANISMS OF POSTERROR ADJUSTMENT AS A FUNCTION OF INCREASING DEPRESSIVE SYMPTOMS
Blair Saunders & Ines Jentzsch
University of St Andrews

22. THE ACUTE EFFECTS OF SEPARATE AND COMBINED MDMA AND ETHANOL ADMINISTRATION ON PERFORMANCE MONITORING IN HEALTHY VOLUNTEERS
Desiree B. Spronk, Glenn J.H. Dumont, Robbert J. Verkes, & Ellen R.A. De Bruijn
1Radboud University Nijmegen Medical Centre, 2University of Antwerp, 3Leiden University

23. REWARD PROCESSING IN THE RODENT MEDIAL FRONTAL CORTEX
Christopher M. Warren, James M. Hyman, Jeremy K. Seamans, & Clay B. Holroyd
1Leiden University, 2University of British Columbia, 3University of Victoria

24. THE ASSOCIATION OF AEROBIC FITNESS TO COGNITIVE CONTROL STRATEGY IN PREADOLESCENT CHILDREN
Keita Kamijo, Seongryu Bae, & Masaki Hiroaki
Waseda University

25. THE ELECTROPHYSIOLOGY OF ACTION EFFECT ANTICIPATION IN OUTCOME-PREDICTIVE AS WELL AS OUTCOME-UNPREDICTIVE CUES
Christina U. Pfeuffer, Jia Wu, Linda C. Mayes, & Michael J. Crowley
1University of Würzburg, 2Yale University

26. FEEDBACK RELATED NEGATIVITY IN CHILDREN: EFFECTS OF FEEDBACK DELAY, GENDER, AND DEPRESSIVE SYMPTOMS
Amrita Ramakrishnan, Nina Shiffrin, Julia Kim-Cohen, Jia Wu, Linda C. Mayes, & Michael J. Crowley
1Yale Child Study Center, 2Yale University
27. AIRWAY NITRIC OXIDE IS ASSOCIATED WITH DEPRESSION, ANXIETY, AND SOCIAL SUPPORT IN HEALTH AND ASTHMA
Thomas Ritz¹, Antje Kullowatz¹, David Rosenfield¹, Frank Kanniess², Helgo Magnussen², & Bernhard Dahme³
¹Southern Methodist University, ²Hospital Grosshansdorf, ³University of Hamburg

28. PERCEIVED CONTROL INCREASES RESPIRATORY EFFORT IN A BREATHING CHALLENGE DESPITE PERCEIVED INCREASE IN STIMULUS INTENSITY AND UNPLEASANTNESS
Jessica Baeske¹ & Sibylle Petersen²
¹Technical University of Dortmund, ²KU Leuven

29. THE EFFECTS OF 7.5% CO₂ INHALATION ON HEART RATE VARIABILITY
Therese Verkerke Cash¹, Jessica Cruz², Shannon E. Hahn¹, Gena Gorlin³, Bethany A. Teachman³, Roxann Roberson-Nay¹, & Scott R. Vrana¹
¹Virginia Commonwealth University, ²University of Virginia

30. BREATHING RESPONSES TO CO₂-ENRICHED AIR: IMPACT OF SUFFOCATION FEAR AND INFORMATION ABOUT RESPIRATORY DYSFUNCTION
Thomas Janssens, Farah Martens, Ilse Van Diest, & Omer Van den Bergh
KU Leuven

31. INTEROCEPTIVE FEAR CONDITIONING WITH OESOPHAGEAL DISTENTIONS
Ilse Van Diest, Erik Ceunen, Ekaterina Sarafanova, Nathalie Weltens, Steven Coen, Jan Tack, Lukas Van Oudenhove, & Johan W.S. Vlaeyen
KU Leuven

32. PERCEPTUAL GENERALIZATION OF INTEROCEPTIVE FEAR EXTINCTION
Meike Pappens, Omer Van den Bergh, & Ilse Van Diest
KU Leuven
33. CATEGORIZATION OF RESPIRATORY STIMULI AFFECTS EXPLICIT AND IMPLICIT STIMULUS EVALUATION AND BREATHING BEHAVIOR
Sibylle Petersen & Omer Van den Bergh
KU Leuven

34. RESPIRATORY HYPOALGESIA: EXPLORING THE EFFECT OF RESPIRATORY PHASE AND BREATH HOLDING ON THE NOCICEPTION FLEXION REFLEX AND SUBJECTIVE PAIN
Hassan Jafari, Johan Vlaeyen, Omer Van den Bergh, & Ilse Van Diest
KU Leuven

35. THE IMPACT OF RESPIRATORY BODILY THREAT ON THE NEURAL PROCESSING OF EMOTIONAL PICTURES: AN ERP STUDY
Andreas von Leupoldt¹, Georgiana Juravel¹, Cornelia Stöckel¹, Michael Rose¹, Matthias Gamer¹, Matthias Wieser², & Christian Büchel¹
¹University of Hamburg, ²University of Würzburg

36. EFFECTS OF NEUROPEPTIDE-S RECEPTOR GENE ON ELECTROPHYSIOLOGICAL CORRELATES OF EMOTIONAL PROCESSING
Martin J. Herrmann¹, Yvonne Waning¹, Lisa Kempkes¹, Stefanie C. Biehl¹, Sara V. Tupak², & Andreas Reif³
¹University of Würzburg, ²University of Münster

37. THE INFLUENCE OF NEUROPEPTIDE-S RECEPTOR GENE VARIATION ON VISUAL PROCESSING: A MAGNETOEENCEPHALOGRAPHY STUDY
Maimu A. Rehbein¹, Peter Zwanzger¹, Katharina Domschke², Andreas Reif², Jürgen Deckert², & Markus Junghöfer¹
¹University of Münster, ²University of Würzburg

38. DOES HUMAN SWEAT CONTAIN DIFFERENTIABLE CHEMOSIGNALS? NEUROPHYSIOLOGICAL CORRELATES OF OLFACTORY CONDITIONING
Isabelle Klinkenberg, Christian Dobel, Christian Steinberg, Maimu Rehbein, & Markus Junghöfer
University of Münster
39. THE INFLUENCE OF TRAIT ANXIETY ON RAPID AFFECTIVE EVALUATION IN VISION: A MAGNETOENCEPHALOGRAPHY STUDY
Markus Junghöfer & Maimu A. Rehbein
University of Münster

40. USING MEG TO MAP THE MOTOR CORTEX IN PEDIATRIC EPILEPSY PATIENTS
Mark H. McManis¹, Freedom F. Perkins², & Dave F. Clarke³
¹Cook Children’s Medical Center, ²Dell Children’s Medical Center of Central Texas

41. THE USE OF PASSIVE FUNCTIONAL MRI IN PRESURGICAL PLANNING FOR PEDIATRIC PATIENTS WITH EPILEPSY
Dave F. Clarke¹, Maria Watson², Freedom F. Perkins¹, Collin Hovinga¹, & Nancy Nussbaum¹
¹Dell Children’s Medical Center of Central Texas, ²University of the West Indies

42. EXERCISING SELF-CONTROL INCREASES THE THREAT-POTENTIATED STARTLE EYE-BLINK RESPONSE
Adrienne Crowell¹, Eddie Harmon-Jones², & Brandon J. Schmeichel¹
¹Texas A&M University, ²The University of New South Wales

43. LOOK POSITIVE: THINKING ABOUT DEATH BIASES OVERT VISUAL ATTENTION TO REWARDS (VERSUS THREATS), BUT ONLY AMONG THOSE HIGHER IN TRAIT SELF-CONTROL
David Tang, Nicholas J. Kelley, & Brandon J. Schmeichel
Texas A&M University

44. WHEN JEALOUSY LEADS TO AGGRESSION: INDUCTION OF RELATIVE LEFT FRONTAL CORTICAL ACTIVITY WITH TRANSCRANIAL DIRECT CURRENT STIMULATION INCREASES THE JEALOUSY-AGGRESSION RELATIONSHIP
Nicholas J. Kelley¹, Paul W. Eastwick², Eddie Harmon-Jones³, & Brandon J. Schmeichel¹
¹Texas A&M University, ²University of Texas at Austin, ³The University of New South Wales
45. CALLOUS-UNEMOTIONAL TRAITS, AGGRESSION, AND AVERSIVE STARTLE MODULATION IN JUVENILE OFFENDERS
Jason R. Hall & Eva R. Kimonis
University of South Florida

46. REACTION OF CARDIOVASCULAR FUNCTIONS TO RHYTHMICAL STIMULATION IN THE VERY LOW FREQUENCY RANGE (0.01–0.05 HZ)
Evgeny G. Vaschillo, Bronya Vaschillo, Jennifer F. Buckman, Tam Nguyen, Alexander Puhalla, Richard Wille, & Marsha E. Bates
Rutgers, The State University of New Jersey

47. LEARNING FROM YOUR HEART: AUDITORY FEEDBACK MODULATES INTEROCEPTIVE AWARENESS PERFORMANCE AND METACOGNITION
Andrés Canales-Johnson¹, Carolina Silva², David Huepe², Álvaro Rivera-Rei³, Valdas Noreika¹, Agustín Ibáñez², Eugenio Rodríguez³, & Tristán Bekinschtein¹
¹MRC Cognition and Brain Sciences Unit, Cambridge, ²Laboratory of Cognitive and Social Neuroscience, Santiago, ³Pontifical Catholic University of Chile

48. THE ASSOCIATION BETWEEN CHRONIC PSYCHOSOCIAL STRESS, ALLOSTATIC LOAD, AND NOVEL FINGER ARTERIAL STIFFNESS INDICES IN HEALTHY YOUNG MEN
Gohichi Tanaka¹, Yuichi Kato¹, Kenta Matsumura², & Masami Horiguchi¹
¹Sapporo Medical University, ²National Center of Neurology and Psychiatry

49. EFFECTS OF ATTENTION ON VASCULAR REACTIVITY AND NEURAL ACTIVATION TO EMOTIONAL INFORMATION
Lina Schaare¹, Arno Villringer¹,²,³, & Hadas Okon-Singer⁴
¹Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, ²Mind Brain Institute, Charité, ³Humboldt University of Berlin, ⁴University of Haifa
50. DIRECTED ATTENTION REDUCES PROCESSING OF EMOTIONAL DISTRACTERS IRRESPECTIVE OF VALENCE AND AROUSAL LEVEL
Stefan Wiens & Elmeri Syrjänen
Stockholm University

51. HABITUATION OF MOTIVATED ATTENTION TO IRRELEVANT EMOTIONAL PICTURES
Elmeri Syrjänen & Stefan Wiens
Stockholm University

52. MULTIFACTORIAL DETERMINANTS OF TARGET AND NOVELTY-EVOKED P300 AMPLITUDES IN CHILDREN OF ADDICTED PARENTS
Anja S. Euser¹, Brittany E. Evans², Kirstin Greaves-Lord¹, Ben J.M. van de Wetering¹, Anja C. Huizink², & Ingmar H.A. Franken¹
¹Erasmus University Rotterdam, ²VU University, ³Erasmus Medical Center Rotterdam, ⁴Bouman Mental Health Care Rotterdam

53. A REPLICATION OF THE LATE POSITIVE COMPLEX (LPC) MULTIPLE REPETITIONS EFFECT IN A COMBINED ERP/fMRI STUDY
Maartje Luijten¹, Ingmar H.A. Franken¹, Frederik M. Van der Veen¹, Marion Smit², & Jan W. Van Strien¹
¹Erasmus University Rotterdam, ²Erasmus MC, University Medical Center Rotterdam

54. ELECTROPHYSIOLOGICAL CORRELATES OF SOCIAL REJECTION IN SUB-CLINICAL PSYCHOPATHY: AN ERP STUDY
Mohd Ali Md-Salim¹, Frederik M van der Veen¹, Josanne van Dongen¹, & Ingmar H.A. Franken¹
¹Erasmus University Rotterdam, ²University of Science, Malaysia

55. EARLY POSTERIOR NEGATIVITY IS LARGER FOR SNAKE PICTURES THAN FOR OTHER REPTILE PICTURES
Jan W. Van Strien, Ingmar H. Franken, & Jorg Huijding
Erasmus University Rotterdam
56. PSYCHOPHYSIOLOGICAL REACTIVITY PROVOKED BY FEAR-RELEVANT STIMULI IN BLOOD-INJECTION INJURY PHOBIA AND SNAKE PHOBIA
Juan P. Sanchez-Navarro¹, Jose M. Martinez-Selva¹, Enrique F. Maldonado², Eduvigis Carrillo-Verdejo¹, Sara Pineda³, & Ginesa Torrente¹
¹University of Murcia, ²University of Malaga, ³Morales Meseguer University Hospital

57. A FAST PATHWAY FOR FEAR
Constantino Méndez-Bértolo¹ ², Stephan Moratti², Rafael Toledano¹, Antonio Gil-Nagel¹, Yee Mah⁴, Rafael Martínez-Álvarez³, Fernando Lopez Sosa¹, & Bryan Strange¹
¹Technical University of Madrid, ²Complutense University of Madrid, ³Hospital Ruber Internacional, ⁴University College London

58. VISUAL CORTEX ACTIVITY MODULATION BY FEAR CONDITIONING IN POST-TRAUMATIC STRESS DISORDER
Tamara Giménez-Fernández¹, José C. Mingote², Francisco De Vicente¹, & Stephan Moratti¹
¹Complutense University of Madrid, ²12th October Hospital

59. GENDER-SPECIFIC PATTERNS OF HYPOTHALAMIC CRH AND VASOPRESSIN EXPRESSION IN A RAT MODEL OF POST-TRAUMATIC STRESS DISORDER
Vera I. Mironova, Vera V. Rakitskaya, Svetlana G. Pivina, & Natalia E. Ordyan
I.P. Pavlov Institute of Physiology RAS

60. FEAR CONDITIONING AND CONTEXT MODULATION IN RELATION TO TREATMENT OUTCOME: A STUDY IN TREATED PATIENTS WITH PANIC DISORDER AND SOCIAL PHOBIA
Puck Duits, Danielle Cath, Ivo Heitland, & Johanna M.P. Baas
Utrecht University

61. SUPPRESSED FRONTOMEDIAL THETA ACTIVITY DURING FEAR EXTINCTION RECALL IN HUMANS
Erik M. Mueller & Christiane Hermann
University of Gießen
62. INDEPENDENT COMPONENT ANALYSIS OF N2PC DURING FEAR PROCESSING
Jens Bernhardsson, Anna Bjärtå, Francisco Esteves, & Örjan Sundin
Mid Sweden University

63. ARE TWO THREATS WORSE THAN ONE? THE EFFECTS OF FACE RACE AND EMOTION ON FEAR CONDITIONING
Ottmar V. Lipp¹, Kimberley M. Mallan², & Shannon Bramwell¹
¹The University of Queensland, ²Queensland University of Technology

64. THE FOREPERIOD EFFECT: ACOUSTIC STARTLE MAGNITUDE AS AN INDEX OF ANTICIPATORY ATTENTIONAL AND MOTOR RESPONSE PROCESSES
Sakinah S.J. Alhadad, Welber Marinovic, & Ottmar V. Lipp
The University of Queensland

65. UNSEEN FEARFUL FACES INFLUENCE FACE ENCODING
Caterina Bertini, Roberto Cecere, Martin Maier, & Elisabetta Làdavas
University of Bologna

66. LATERALIZED EMOTIONAL AND MOVEMENT-RELATED BODY POSTURES MODULATE THE BODY SPECIFIC N190 ERP COMPONENT: DIFFERENT PATTERNS IN DIFFERENT HEMISPHERES
Khatereh Borhani, Caterina Bertini, Martin Maier, & Elisabetta Làdavas
University of Bologna

67. ELECTROPHYSIOLOGICAL EFFECTS OF A MULTISENSORY TRAINING FOR HEMIANOPIA ON SPATIAL ATTENTION
Neil M. Dundon, Martin E. Maier, Caterina Bertini, & Elisabetta Làdavas
University of Bologna

68. INDEPENDENCY OF BODY MOVEMENTS AND CENTER OF PRESSURE IN POSTURAL CONTROL
Miguel A. Muñoz¹, Luis F. Ciria¹, Ignacio Cifre², Anna Punzo¹, José G.V. Miranda³, & Jaime Vila¹
¹University of Granada, ²University of Balearic Islands, ³Federal University of Salvador de Bahia
69. EFFICACY OF MIRROR EXPOSURE THERAPIES TO REDUCE BODY DISSATISFACTION AND CORTISOL RESPONSES IN BULIMIA  
Sandra Díaz-Ferrer¹, Sonia Rodríguez-Ruíz¹, Blanca Ortega-Roldán¹, Silvia Moreno-Domínguez¹, María Carmen Pastor¹, & María Carmen Fernández-Santaella¹  
¹University of Granada, ²University of Jaén, ³Jaume I University

70. PLEASANTNESS/UNPLEASANTNESS FROM IDENTITY RECOGNITION: PERIPHERAL AND fMRI INSIGHTS  
Alicia Sánchez Adam¹, Pedro Guerra¹, María Antonieta Bobes², Inmaculada León³, & Jaime Vila¹  
¹University of Granada, ²Cuban Center of Neuroscience, ³University of La Laguna

71. PSYCHOPHYSIOLOGICAL IMPACT OF EUROPEAN TOBACCO-WARNING IMAGES  
Luis Fernando Ciria, Anna Punzo, Miguel Angel Muñoz, & Jaime Vila  
University of Granada

72. STARTLE RESPONSE PATTERNS DETECTED AND QUANTIFIED USING STEREO VISION MOTION TRACKING  
Pandelis Perakakis¹, Michalis I. Vousdoukas², Sofia Idrissi¹, Javier Rodriguez-Arbol¹, & Jaime C. Vila³  
¹University of Jaume I, ²Forschungszentrum Küste, ³University of Granada

73. THE RESISTANCE OF INSTRUCTED THREAT CONTINGENCIES: A THREAT-OF-SHOCK STUDY  
Florian Bublatzky, Antje B.M. Gerdes, Andre Pittig, & Georg W. Alpers  
University of Mannheim

74. ATTENTION AND AWARENESS MODULATE ABSTRACT EYEBLINK CONDITIONING  
Moos Peeters¹, Karalyn Patterson², Mariano Sigman³, Adrian M. Owen⁴, & Tristan A. Bekinschtein¹  
¹MRC Cognition and Brain Sciences Unit, Cambridge, ²University of Cambridge, ³University of Buenos Aires, ⁴University of Western Ontario
75. CARDIAC MODULATION OF TACTILE STARTLE
Mauro F. Larra, Thomas M. Schilling, & Hartmut Schächinger
University of Trier

76. ACOUSTIC STARTLE REFLEX IN THE PROCESSING OF REWARD RELATED FOOD CUES DURING FOOD DEPRIVATION: EVIDENCE FROM MEN AND WOMEN
Diana S. Ferreira de Sá, Debora E. Plein, André Schulz, Melly S. Oitzl, & Hartmut Schächinger
1University of Trier, 2University of Luxembourg, 3University of Amsterdam

77. EMOTIONAL EXPRESSION OF FEMALE AND MALE FACE PORTRAITS INFLUENCE BLINK REACTION TIME
Daniel Best, Christian Deuter, Ewald Naumann, Terry D. Blumenthal, & Hartmut Schächinger
1University of Trier, 2Wake Forest University

78. MOTION INDUCED EFFECTS ON AFFECTIVE STARTLE MODULATION
Christian E. Deuter, Daniel Best, Roland Neumann, & Hartmut Schächinger
University of Trier

79. ADDITIVE EFFECTS ON THE INCREASE IN VOICE FUNDAMENTAL FREQUENCY (F0) BY THE COMBINED APPLICATION OF A COGNITIVE AND A PHYSIOLOGICAL STRESS TEST
Xinwei Zhang, Thomas M. Schilling, Mauro F. Larra, Debora E. Plein, & Hartmut Schächinger
University of Trier

80. HAND VS. FEET: A COMPARISON OF TWO VERSIONS OF THE COLD PRESSURE TEST
Philipp Röhrig, Mauro F. Larra, Thomas M. Schilling, & Hartmut Schächinger
University of Trier

81. THE CORTISOL AWAKENING RESPONSE IS UNRELATED TO PSYCHOPHYSIOLOGICAL COLD PRESSOR STRESS REACTIVITY
Bartlomiej Kozik, Mauro F. Larra, Thomas M. Schilling, Andre Schulz, & Hartmut Schächinger
University of Trier
82. BASELINE AND ACUTE CORTISOL CHANGES DELTA-BETA COUPLING IN RESTING EEG
Mareike Hülsemann, Florian Strelzyk, Max Birk, Felix Müller, Hartmut Schächinger, & Ewald Naumann
University of Trier

83. CORTISOL AND TESTOSTERONE RESPONSES TO A MODERATE PSYCHOLOGICAL STRESS TEST: AN ADAPTATION OF THE TAYLOR AGGRESSION PARADIGM
Thaís Gameiro¹, Ana Carolina Mendonça de Souza², Vivian Rezende¹, Amanda Figueiredo¹, Mário Fiorani¹, & Vivian Rumjanek¹
¹Federal University of Rio de Janeiro, ²Forebrain Neurotecnologia Ltda.

84. THE IMPACT OF CORTISOL ON FEAR EXTINCTION
Christian J. Merz¹, Rudolf Stark², Andrea Hermann², Dieter Vaitl², & Oliver T. Wolf³
¹Ruhr-University Bochum, ²Justus Liebig University Giessen

85. THE INFLUENCE OF STRESS AND CORTISOL ON PROCESSING OF PROVOKING STIMULI DURING AN AGGRESSION PARADIGM: AN ERP STUDY
Angelika M. Dierolf¹, Julia Fechner¹, Justinn Cochran², Lea E. Arlt¹, Olja Rapoport¹, Björn Christians¹, Brian Schwartz¹, & Ewald Naumann¹
¹University of Trier, ²The University of Auckland

86. NEGATIVE AFFECT TRAIT AND EXPOSURE TO CHRONIC STRESS HAVE IMPACT ON THE HEART: A STUDY OF PSYCHOLOGICAL STRESS IN PEACEKEEPERS
Gabriela G.L. Souza¹, Roberta S.R. Álvares¹, Ana Carolina F. Mendonça-de-Souza², Antônio Fernando A. Duarte³, Thaís M. Gameiro³, Wanderson F. Souza³, Evandro S.F. Coutinho⁶, Sonia Gleiser⁴, Ivan Figueira⁴, & Eliane Volchan⁴
¹Federal University of Ouro Preto, ²Forebrain Neurotecnologia Ltda., ³Brazilian Army Research and Physical Capacitation Institute, ⁴Federal University of Rio de Janeiro, ⁵Federal Rural University of Rio de Janeiro, ⁶Oswaldo Cruz Foundation
87. **EVIDENCE OF CONSCIOUSNESS PROCESSES IN AN EXPERIMENT WITH COVERT LOGIC: AN ERP STUDY**
Illya P. Kuznietsov
Lessya Ukrainka Eastern European National University

88. **ELECTRICAL ACTIVITY OF THE BRAIN DEPENDING ON PERSON'S SOCIAL ACTIVITY TYPE**
Oksana Yu Fedorchuk, Ihor Ya Kotsan, Illya P. Kuznietsov, & Evgenij Ol Kyrychuk
Lessya Ukrainka Eastern European National University

89. **THE FREQUENCY SPECTRUM OF P300 COMPONENTS IN LEFT- AND RIGHT-HANDERS**
Tetiana V. Kachynska, Illya P. Kuznietsov, Ihor Y. Kotsan, & Ella I. Kolodich
Lessya Ukrainka Eastern European National University

90. **ESTIMATING PHASE SYNCHRONY REORGANIZATION COEFFICIENTS IN ODD-BALL PARADIGM**
Nataliia V. Ievpak, Illya P. Kuznietsov, Nataliia V. Kozachuk, & Olena R. Dmytrotsa
Lessya Ukrainka Eastern European National University

91. **LONG-DISTANCE SYNCHRONIZATION OF OSCILLATORY EEG IN PHASES OF PURSUANCE OF VERBAL TASKS**
Julia A. Boytsova, Sergey G. Danko, & Maruya L. Solovjeva
N.P. Bechtereva Institute of the Human Brain RAS

92. **LOCAL SYNCHRONIZATION OF OSCILLATORY EEG IN PHASES OF PURSUANCE OF VERBAL TASKS**
Sergey G. Danko, Julia A. Boytsova, & Maruya L. Solovjeva
N.P. Bechtereva Institute of the Human Brain RAS

93. **SHORT-TERM MEDITATION IMPROVES WORKING MEMORY PERFORMANCE THROUGH CHANGING FRONTAL-PARIETAL NETWORK EFFICIENCY**
Xiu Xin¹, Yuqin Deng¹, Xiaoqian Ding¹, & Yi-Yuan Tang²
¹Dalian University of Technology, ²Texas Tech University
94. SHORT-TERM RELAXATION TRAINING MODULATES THE RESTING STATE OF BRAIN CONNECTIVITY
Rongxiang Tang\textsuperscript{1}, Lixin Zhu\textsuperscript{2}, & Yi-Yuan Tang\textsuperscript{2}
\textsuperscript{1}University of Texas at Austin, \textsuperscript{2}Texas Tech University

95. LATERALITY OF THE DEFAULT MODE NETWORK FOR VISUAL AREAS
Li-rong Yan\textsuperscript{1}, Yi-bo Wu\textsuperscript{2}, Xiao-hua Zeng\textsuperscript{1}, & Hua Song
\textsuperscript{1}Wuhan General Hospital of Guangzhou Command, \textsuperscript{2}Wuhan Mechanical Technology College

96. PERIPHERAL VISUAL ATTENTION IN THE CONGENITALLY DEAF: AN OPTICAL IMAGING STUDY
Edward L. Maclin, Jenessa Seymour, Gabriele Gratton, Monica Fabiani, & Matthew W.G. Dye
University of Illinois at Urbana-Champaign

97. LINKED IN: A FUNCTIONAL AND STRUCTURAL NETWORK VIEW OF TASK-SWITCHING DYNAMICS IN AGING
Pauline L. Baniqued, Kathy A. Low, Monica Fabiani, & Gabriele Gratton
University of Illinois at Urbana-Champaign

98. CEREBRAL BLOOD FLOW IN THE AGING BRAIN IS MEDIATED BY CARDIORESPIRATORY FITNESS AND IS ASSOCIATED WITH COGNITIVE PERFORMANCE
Benjamin Zimmerman, Bradley P. Sutton, Kathy A. Low, Nils Schneider-Garces, Mark A. Fletcher, Chin-Hong Tan, Yanfen Li, Ouyang Cheng, Edward L. Maclin, Gabriele Gratton, & Monica Fabiani
University of Illinois at Urbana-Champaign

99. PERFUSION IMAGING OF FLOW EXPERIENCES WITH CONTINUOUS ARTERIAL SPIN LABELING (CASL)
Klaus Hoenig, Martin Ulrich, Christiane Waller, Johannes Keller, & Georg Grön
University of Ulm
100. MIDFRONTAL CONFLICT-RELATED THETA POWER REFLECTS ENDogenous NEURAL OSCILLATIONS
Michael X. Cohen & Tobias H. Donner
University of Amsterdam

101. OSCILLATORY NETWORK DYNAMICS UNDERLYING FEEDBACK-BASED LEARNING USING SPATIAL AND NON-SPATIAL INFORMATION
Irene van de Vijver, Jochem van Kempen, & Michael X. Cohen
University of Amsterdam

102. SUSTAINING ATTENTION FOR A PROLONGED PERIOD OF TIME DECREASES ATTENTIONAL CONTROL AND STABILITY: NEURAL AND BEHAVIORAL EVIDENCE
Heleen A. Slagter, Leon Reteig, Sam Prinssen, Ruud L. van den Brink, & Michael X. Cohen
University of Amsterdam

103. OSCILLATORY SIGNATURES OF CROSS-MODAL TIME PERCEPTION
Joram van Driel, Daan van Es, & Michael X. Cohen
University of Amsterdam

104. COMPARISON OF VERBAL AND FIGURAL THINKING PROCESSES BASED ON DIFFERENT TYPES OF STIMULI
Zhanna V. Nagornova & Natalia V. Shemyakina
Institute of the Human Brain Russian Academy of Science

105. EEG CORRELATES FOR REMOTE VERSUS TRIVIAL VERBAL FINDINGS
Natalia V. Shemyakina & Zhanna V. Nagornova
Institute of the Human Brain of the Russian Academy of Sciences

106. PERCEPTION OF NON-RELEVANT VERBAL INFORMATION WITH THE DOMINANT VERSUS NON-DOMINANT EYE: AN EEG STUDY
Mariia Rassomagina & Viktoriia Kravchenko
Taras Shevchenko National University of Kyiv
107. EARLY AND LATE PROCESSING OF NICOTINE VERSUS NEUTRAL VISUAL CUES: MODULATION OF ERPS ELICITED BY CIGARETTE STIMULI BY MEANS OF EFFORTFUL CONTROL
Deyar Asmaro & Mario Liotti
Simon Fraser University

108. VARIABILITY IN ANTERIOR CINGULATE ACTIVITY: SINGLE-TRIAL SOURCE IMAGE PLOT AND EFFECTS OF NICOTINE IN ADHD
Matthew A. Picchietti & David G. Gilbert
Southern Illinois University

109. EFFECTS OF NICOTINE REPLACEMENT, BUPROPION, AND PLACEBO ON SMOKING ABSTINENCE-RELATED CHANGES IN EEG BRAIN SOURCES
Ryan P. Coppens, Herman A. Diggs, James D. Bender, Raghuvueer Kanneganti, Matthew A. Picchietti, & David G. Gilbert
Southern Illinois University Carbondale

110. EFFECTS OF SMOKING CESSATION TREATMENT WITH VARENICLINE, BUPROPION, OR PLACEBO ON SUBJECTIVE TONIC CRAVING AND ERPS TO CIGARETTE-RELATED, EMOTIONAL, AND NEUTRAL IMAGES
Francesco Versace¹, Jason D. Robinson¹, Charles Green², Aurelija Slapin¹, Yong Cui¹, Jennifer Ng¹, Jeffrey M. Engelmann¹, Maher Karam-Hage¹, Jennifer A. Minnix¹, Cho Y. Lam¹, David W. Wetter¹, & Paul Cinciripini¹
¹The University of Texas MD Anderson Cancer Center, 
²The University of Texas-Houston Medical School

111. EFFECTS OF SMOKING CESSATION TREATMENT WITH VARENICLINE, BUPROPION, OR PLACEBO ON SELF-REPORTED AFFECT AND fMRI RESPONSES TO CIGARETTE-RELATED, EMOTIONAL, AND NEUTRAL CUES
The University of Texas MD Anderson Cancer Center
112. THE IMPACT OF ANTICIPATED DOSE AND NICOTINE DOSE ON ATTENTIONAL DISTRACTION IN OVERNIGHT-DEPRIVED SMOKERS
Jason D. Robinson¹, Francesco Versace¹, Yong Cui¹, Jeffrey M. Engelmann¹, David G. Gilbert², Andrew J. Waters¹, Ellen R. Gritz¹, & Paul M. Cinciripini¹
¹The University of Texas MD Anderson Cancer Center, ²Southern Illinois University, ³Uniformed Services University of the Health Sciences

113. COGNITIVE REAPPRAISAL IN DEPRIVED AND NON-DEPRIVED SMOKERS
Jennifer A. Minnix, Francesco Versace, Jason D. Robinson, Cho Y. Lam, Jeffrey M. Engelmann, & Paul M. Cinciripini
The University of Texas MD Anderson Cancer Center

114. NICOTINE DEPRIVATION INDUCES NEGATIVE AFFECT TO ACTUAL CIGARETTES BUT NOT CIGARETTE IMAGES
Jesse T. Kaye, Fang Ying Shi, Timothy B. Baker, & John J. Curtin
University of Wisconsin–Madison

115. TRAIT COGNITIVE CONTROL AS A MODERATOR OF NICOTINE DEPRIVATION EFFECTS ON P300 INDICES
Kade Jentink¹, Nathan Maxfield², Kate Janse Van Rensburg¹, Jason Oliver¹, David Drobes¹, & David Evans¹
¹Moffitt Cancer Center, ²University of South Florida

116. USING TMS TO TREAT SMOKING ADDICTION: BEHAVIORAL AND NEURAL EFFECTS
Jürgen Pripfl, Livia Tomova, Igor Riecansky, & Claus Lamm
University of Vienna

117. CHRONIC SMOKING, TRAIT ANXIETY, AND PHYSIOLOGICAL STRESS RESPONSIVITY
Nicole Wiggert¹, Frank H. Wilhelm², Motohiro Nakajima¹, & Mustafa al’Absi¹
¹University of Minnesota, ²University of Salzburg
118. EFFECTS OF DEPENDENCE STATUS AND CRAVING LEVELS ON P3 AMPLITUDE TO SMOKING CUES
Kimberly A. Fleming, Bruce D. Bartholow, & Thomas Piazecki
_University of Missouri_

119. DOES THE NEGATIVITY BIAS IN AFFECTIVE PICTURE PROCESSING DEPEND ON NOVELTY?
Joseph Hilgard¹, Anna Weinberg², Greg Hajcak², & Bruce D. Bartholow¹
¹_University of Missouri–Columbia_, ²_Stony Brook University_

120. THE INFLUENCE OF SEMANTIC CONTENT AND SEX ON EMOTIONAL PROCESSING
Rosemaree K. Miller & Frances H. Martin
_The University of Newcastle_

121. CONTROLLING UNCONSCIOUS COGNITION: ATTENTIONAL MODULATION OF BRAIN ACTIVITY IN SEMANTIC PROCESSING PATHWAYS DURING SUBLIMINAL PRIMING
Markus Kiefer, Martin Ulrich, & Sarah Adams
_University of Ulm_

122. ERP EVIDENCE OF EARLY SUBLIMINAL PROCESSING OF PHYSICAL THREAT WORDS IN PARTICIPANTS WITH HIGH ANXIETY SENSITIVITY
Isabel Taake¹, Calen Walshe², & Mario Liotti¹
¹_Simon Fraser University_, ²_University of Edinburgh_

123. EVENT-RELATED POTENTIALS REVEAL RIGHT HEMISPHERE CONTRIBUTIONS TO LANGUAGE COMPREHENSION IN YOUNGER AND OLDER ADULTS
Edward W. Wlotko¹, Kara D. Federmeier¹, & Marta Kutas²
¹_Untiversity of Illinois_, ²_Untiversity of California, San Diego_
124. THE ROLE OF GENDER-TO-ENDING CONSISTENCY IN ITALIAN AGREEMENT PROCESSING
Sendy Caffarra¹, Anna Siyanova-Chanturia², Francesca Pesciarelli¹, Francesco Vespignani³, & Cristina Cacciari¹
¹University of Modena and Reggio Emilia, ²Victoria University of Wellington, ³University of Trento

125. TESTING THE EFFECTS OF DIFFERENT MONTAGES OF TRANSCRANIAL DIRECT CURRENT STIMULATION (TDCS) ON SEMANTIC FLUENCY
Barbara Penolazzi, Massimiliano Pastore, & Sara Mondini
University of Padua

126. REGIONAL EFFECTS OF HIGH DEFINITION TRANSCRANIAL DIRECT CURRENT STIMULATION DETECTED BY EEG PHOTIC DRIVING
Vladimir V. Lazarev¹,², Tiago Tamborino¹,², Marom Bikson³, Maria Leticia F. Ferreira¹,², Leonardo C. deAzevedo¹,², & Egas M. Caparelli-Dáquer¹
¹Fernandes Figueira National Institute, ²Oswaldo Cruz Foundation, ³The City College, CUNY, ⁴Rio de Janeiro State University

127. BRAIN AREAS INVOLVED IN A TEMPORAL DISCRIMINATION TASK: A STUDY WITH ERPS AND TMS
Fabio Giovannelli¹, Aldo Ragazzoni¹, Donato Battista¹, Elenia Del Sordo¹, Consuelo Cardinall¹, Tessa Marzi², Alessandra Borgheresi¹, Gaetano Zaccara¹, Maria Pia Viggiano², & Massimo Cincotta¹
¹Florence Health Authority, ²University of Florence

128. BEHAVIORAL AND ELECTROPHYSIOLOGICAL MEASURES OF SENSE RELATEDNESS EFFECTS ACROSS LANGUAGES IN YOUNG AND OLDER BILINGUALS
Vanessa Taler¹,², Will Deller¹,², & Shanna Kousaie¹
¹Brûyère Research Institute, ²University of Ottawa
129. ELECTROPHYSIOLOGICAL AND BEHAVIORAL MEASURES OF BILINGUALISM AND AGE EFFECTS ON LEXICAL AMBIGUITY PROCESSING
Shanna Kousaie¹, Will Deller¹², & Vanessa Taler¹²
¹Bruyère Research Institute, ²University of Ottawa

130. COMPARING ELECTROPHYSIOLOGICAL AND BEHAVIOURAL INDICATORS OF EMOTION RECOGNITION IN HEALTHY CONTROLS AND ADULTS WITH MILD COGNITIVE IMPAIRMENT
Elizabeth A. Nelson¹, Vanessa Taler¹², Kenneth B. Campbell¹, & Charles A. Collin¹
¹University of Ottawa, ²Bruyère Research Institute

131. ATTENTIONAL DISENGAGEMENT FROM TASK-IRRELEVANT STIMULI IS IMPAIRED IN HEALTHY ELDERLY: EVIDENCE FROM A SPATIAL CUING PARADIGM
Daniel Schneider & Edmund Wascher
Leibniz Research Centre for Working Environment and Human Factors

132. GAZE PERCEPTION AND PERCEPTION OF SOCIAL THREAT IN PATIENTS WITH PARANOID SCHIZOPHRENIA: AN ERP STUDY
Sofia F. Leite, Pedro R. Almeida, Tiago O. Paiva, & João E. Marques-Teixeira
University of Porto

133. HYSTERESIS EFFECT IN THE PROCESSING OF FACIAL EXPRESSIONS OF EMOTION AND ITS NEUROPHYSIOLOGICAL CORRELATES
Fernando Barbosa, Pedro R. Almeida, Ana R. Barreiros, Fernando Ferreira-Santos, Joana B. Vieira, Cassilda Reis, Tiago O. Paiva, & João Marques-Teixeira
University of Porto

134. THE ELECTROCORTICAL RESPONSE TO THE PERCEPTION OF PAIN IS MODULATED BY GROUP MEMBERSHIP
Pedro R. Almeida¹, Tânia Cruz¹, Tiago O. Paiva¹, Catia P. Teixeira², & João Marques-Teixeira¹
¹University of Porto, ²Université Catholique de Louvain
135. DISENTANGLEMENT OF THE N1 AND P2 COMPONENTS OF THE AUDITORY ERP THROUGH A SINGLE-TRIAL ANALYSIS OF ITS HABITUATION PROPERTIES
Tiago O. Paiva, Pedro R. Almeida, Pedro L. Chaves, Fernando Ferreira-Santos, Joana B. Vieira, Celeste Silveira, Cassilda C. Reis, Fernando Barbosa, & João Marques-Teixeira
University of Porto

136. THE P3B IN THE WILD: IDENTIFYING APPROPRIATE PEAK PICKING WINDOWS FOR SINGLE-TRIAL ANALYSIS
Christopher W.N. Saville, Marialena Stefanou, Bernd Feige, & Christoph Klein
1University of Freiburg, 2Bangor University

137. ELECTROPHYSIOLOGICAL PREDICTORS OF SINGLE-TRIAL RESPONSE ACCURACY LOCATED IN SUPERIOR FRONTAL CORTEX
Scott J. Burwell, Scott Makeig, William G. Iacono, & Stephen M. Malone
1University of Minnesota, Twin Cities, 2University of California, San Diego

138. ATTENTIONAL LAPSES AFFECT AUDITORY P2 AMPLITUDE
Ivan E. Lazarev, Boris V. Chernyshev, Evgeniya S. Osokina, & Alyona A. Vyazovtseva
1National Research University Higher School of Economics, 2Lomonosov Moscow State University

139. THE TOPOGRAPHICAL N170: ELECTROPHYSIOLOGICAL EVIDENCE OF A NEURAL MECHANISM FOR HUMAN SPATIAL NAVIGATION
Travis E. Baker & Clay B. Holroyd
1Université de Montréal, 2University of Victoria

140. ERP INDICES OF COMPETITION FOR REPRESENTATION REVEAL THE FUNCTIONAL ARCHITECTURE OF THE VENTRAL VISUAL PATHWAY
Paul M. Corballis
The University of Auckland
141. EEG ALPHA OSCILLATIONS AS PREDICTORS OF DETECTION PERFORMANCE AND RESPONSE CRITERION
Katharina Limbach & Paul M. Corballis
*The University of Auckland*

142. ERP MEASURES OF FEEDBACK PROCESSING DURING LEARNING OF A COMPLEX VISUAL TASK
Paniz Tavakoli & Kenneth B. Campbell
*University of Ottawa*

143. ANTERIOR CINGULATE CORTEX LEARNS OPTION VALUES TO SUPPORT HIERARCHICALLY ORGANIZED BEHAVIOR
Akina Umemoto, Michael E. Yates, & Clay B. Holroyd
*University of Victoria*

144. A COMBINED HEART RATE AND fMRI ANALYSIS OF STIMULUS-DRIVEN AND INTENTIONAL ACTION CONTROL
Margot A. Schel¹, Maurits W. van der Molen², & Eveline A. Crone¹
¹*Leiden University*, ²*University of Amsterdam*

145. OBLIQUE EFFECT IN VISUAL MISMATCH NEGATIVITY: CHANGE DETECTION IS MORE EFFICIENT WHEN DEVIATING FROM CARDINALLY ORIENTED STIMULI
Endre Takács, István Sulykos, István Czigler, Irén Barkaszi, & László Balázs
*Hungarian Academy of Sciences*

146. THE IMPACT OF ANTARCTIC OVERWINTERING ON COGNITIVE PROCESSES
Irén Barkaszi¹², Endre Takács¹³, István Czigler¹³, & László Balázs¹
¹*Hungarian Academy of Sciences*, ²*Debrecen University*, ³*Eötvös Loránd University*

147. EXPRESSIVE WRITING IMPROVES COGNITIVE EFFICIENCY IN WORRIERS: EVIDENCE FROM PERFORMANCE-MONITORING ERPS
Hans S. Schroder, Tim P. Moran, & Jason S. Moser
*Michigan State University*
148. ENDOGENOUS AND EXOGENOUS CUEING OF ATTENTION IN RAPID SERIAL VISUAL PRESENTATION: CONSEQUENCES FOR THE LEFT VISUAL FIELD ADVANTAGE
Kamila Smigasiewicz¹, Nicole Westphal¹, Gabriel Sami Hasan¹, Laura Heikaus¹, Dariusz Asanowicz², & Rolf Verleger¹
¹University of Lübeck, ²Jagiellonian University

149. EXTERNALLY PROMPTING THE TIME-POINT OF RESPONDING: EFFECTS ON THE ODDBALL-P3
Rolf Verleger, Marvin Metzner, & Kamila Smigasiewicz
University of Lübeck

150. RELATIONSHIPS BETWEEN PRE-STIMULUS EEG ACTIVITY, ERPS, AND RTS IN A CONTINUOUS PERFORMANCE TASK
Diana Karamacoska, Genevieve Z. Steiner, Frances M. De Blasio, & Robert J. Barry
University of Wollongong

151. HOLD ON TO THAT FEELING: THE NEURAL, EXPRESSIVE, AND BEHAVIORAL CORRELATES AND CONSEQUENCES OF AFFECTIVE MAINTENANCE
Christian E. Waugh¹, Maria G. Lemus², & Ian H. Gotlib²
¹Wake Forest University, ²Stanford University

152. DISSOCIATION BETWEEN ARITHMETIC RELATEDNESS EFFECT AND DISTANCE EFFECT IS MODULATED BY TASK PROPERTIES: AN EVENT-RELATED BRAIN POTENTIAL STUDY
Chiara Avancini¹, Giovanni Galfano¹, & Dénes Szűcs²
¹University of Padua, ²University of Cambridge

153. AUTOMATIC CLASSIFICATION OF VIBROTACTILE EVENT-RELATED POTENTIALS
Stefano Silvoni¹, Maria A. Prats Sedano¹, Marianna Cavinato¹, Chiara Volpato¹, Daniele De Massari¹, Francesco Piccione¹, & Niels Birbaumer²
¹IRCCS San Camillo, Venice, ²University of Tübingen
154. CONTAGIOUS YAWNING AND THE MIRROR-NEURON SYSTEM: AN EVENT-RELATED STUDY
Kenta Kubo¹, Kazuo Okanoya², & Nobuyuki Kawai³
¹JST ERATO, ²The University of Tokyo, ³Nagoya University

155. HYPER-BRAIN NETWORK PROPERTIES OF GUITARISTS PLAYING IN QUARTET
Viktor Müller, Johanna Sänger, & Ulman Lindenberger
Max Planck Institute for Human Development, Leipzig

156. Withdrawn

157. BEWARE OF THE WANDERING MIND: A PROSPECTIVE STUDY
Cristina Ottaviani¹, Barbara Medea², & Alessandro Couyoumdjian³
¹IRCCS Santa Lucia Foundation, Rome, ²Sapienza University of Rome
Index

Bailey, Rachel L ............ 110
Baillet, Sylvain .......... 24, 25
Baker, Timothy B ......... 156
Baker, Travis E .......... 160
Bakic, Jasmina ............. 140
Balázs, László .......... 161
Balegh, Saharnaz .......... 154
Ball, Aaron B ............. 128
Balsters, Joshua H ....... 65
Band, Guido P.H .......... 101
Banich, Marie T ......... 86, 128
Baniqued, Pauline L ..... 153
Baramidze, Ana A ....... 95
Barascud, Nicolas ....... 47, 160
Barbosa, Fernando ...... 159, 160
Barcaro, Umberto ....... 119
Barkszi, Irén .......... 161
Barker, Mallory R ....... 106
Barreiros, Ana R ....... 159
Barreto, Patricia ....... 43
Barry, Robert J ......... 89, 133, 162
Barth, Alexander ....... 116
Bartha-Doering, Lisa .... 63
Bartholow, Bruce D .... 33, 157
Baschnagel, Joseph S ... 72
Basedow, Christina .... 111
Bashikhili, Tamar G .... 136
Bates, Marsha E .......... 145
Bathelt, Joe ............. 85
Battagliese, Gemma .... 139
Battista, Donato ....... 158
Bauer, Herbert .......... 124
Baumann, Christian ... 98
Baumgartner, Nadja M ... 98
Beauchaine, Theodore P ... 94
Beauducel, André ....... 122
Bechtel, Phillip ........ 117
Beck, Diane M .......... 46
Becker, Christoph A ...... 116
Becker, Michael P.I ...... 108
Beckham, Jean C ....... 69
Beermann, Ursula ....... 37
Bekhtereva, Valeria .... 30
Bekinschtein, Tristán .... 145
Belleville, Sylvie ....... 101
Ben David, Shelly ..... 103
Benasich, April A ...... 63
Bender, James D ........ 155
Bendixen, Alexandra .... 54
Benedek, David M ....... 70
Benedetti, Fabrizio ...... 29
Benediks, Teal W ....... 93
Benning, Stephen D .... 131
Benvenuti, Simone ..... 165
Messerotti ............ 138, 139
Benz, Nina .......... 92
Ben-Zvi, Shir .......... 124
Berdica, Elisa ....... 101
Berger, Christoph ...... 126
Berkovich-Ohana, Aviva ... 136
Bemudez, Patrick ..... 125
Bernhardsson, Jens .... 148
Berton, Samantha ..... 123
Berti, Stefan ...... 120
Bertini, Caterina ..... 148
Besson, Mireille ...... 85
Best, Daniel ........ 34, 150
Bhandari, Manu ....... 80
Bharani, Krishna L .... 64
Bhatt, Ravi R ....... 74
Bicho, Manuel ....... 118
Biederman, Gavriel ...... 47
Biehl, Stefanie C ...... 143
Bikson, Marom ........ 158
Birbaumer, Niels P .... 35, 39, 77, 85, 162
Bird, William ...... 49
Birk, Jeffrey L ....... 100
Birk, Max .......... 151
Bishop, Brooke K ...... 74
Bishop, Jeffrey ...... 48
Bjärtä, Anna ...... 148
Björgvinsson, Thórstur ... 32
Björk, Sarah ....... 89
Blaison, Christophe ..... 134
Blandon, Alyssa Y .... 53
Blechert, Jens ....... 32
Bloom, Jorian ...... 137
Bloch, Liam ...... 37
Blow, Olivia B ...... 105
<table>
<thead>
<tr>
<th>Name</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blumenthal, Terry D.</td>
<td>16, 166</td>
</tr>
<tr>
<td>Bobes, María A.</td>
<td>56, 131</td>
</tr>
<tr>
<td>Bobilev, Anastasia M.</td>
<td>62, 149</td>
</tr>
<tr>
<td>Boehme, Stephanie</td>
<td>109</td>
</tr>
<tr>
<td>Bogdan, Martin</td>
<td>77</td>
</tr>
<tr>
<td>Bohn, Roland</td>
<td>62, 63</td>
</tr>
<tr>
<td>Bohlmeijer, Ernst</td>
<td>137</td>
</tr>
<tr>
<td>Böhlm, Tamás M.</td>
<td>54</td>
</tr>
<tr>
<td>Bolinger, Elaina M.</td>
<td>77, 85</td>
</tr>
<tr>
<td>Boll, Sabrina</td>
<td>113</td>
</tr>
<tr>
<td>Boll, Paul D.</td>
<td>80</td>
</tr>
<tr>
<td>Bonato, Mario</td>
<td>138</td>
</tr>
<tr>
<td>Bonfiglio, Luca</td>
<td>119</td>
</tr>
<tr>
<td>Bonillo, Albert</td>
<td>45</td>
</tr>
<tr>
<td>Borghesi, Alessandra</td>
<td>158</td>
</tr>
<tr>
<td>Borhani, Khaterreh</td>
<td>148</td>
</tr>
<tr>
<td>Borja, Karina</td>
<td>131</td>
</tr>
<tr>
<td>Born, Jan</td>
<td>85</td>
</tr>
<tr>
<td>Borracci, Joe</td>
<td>119</td>
</tr>
<tr>
<td>Bosson, Jennifer</td>
<td>133</td>
</tr>
<tr>
<td>Botvinick, Matthew</td>
<td>38</td>
</tr>
<tr>
<td>Bowers, Dawn</td>
<td>92</td>
</tr>
<tr>
<td>Boyle, Michael H.</td>
<td>107</td>
</tr>
<tr>
<td>Boytsova, Julia A.</td>
<td>152</td>
</tr>
<tr>
<td>Bradford, Daniel E.</td>
<td>48, 49</td>
</tr>
<tr>
<td>Bradley, Margaret M.</td>
<td>57, 105</td>
</tr>
<tr>
<td>Braeken, Marijke A.K.A.</td>
<td>83, 84, 107</td>
</tr>
<tr>
<td>Bramwell, Shannon</td>
<td>148</td>
</tr>
<tr>
<td>Brazil, Inti A.</td>
<td>111</td>
</tr>
<tr>
<td>Brekke, Austin</td>
<td>94</td>
</tr>
<tr>
<td>Bremer, Verena</td>
<td>63</td>
</tr>
<tr>
<td>Brener, Jasper</td>
<td>39</td>
</tr>
<tr>
<td>Brenner, Colleen A.</td>
<td>115</td>
</tr>
<tr>
<td>Bress, Jennifer N.</td>
<td>81</td>
</tr>
<tr>
<td>Bringas, Maria L.</td>
<td>85, 93</td>
</tr>
<tr>
<td>Brinkmann, Kerstin</td>
<td>32</td>
</tr>
<tr>
<td>Brislin, Sarah J.</td>
<td>129</td>
</tr>
<tr>
<td>Brodhagen, Mary</td>
<td>88, 89</td>
</tr>
<tr>
<td>Bruce, Jared M.</td>
<td>102</td>
</tr>
<tr>
<td>Bruce, Jesse</td>
<td>79</td>
</tr>
<tr>
<td>Bruder, Gerard E.</td>
<td>103</td>
</tr>
<tr>
<td>Bryant, Richard A.</td>
<td>113</td>
</tr>
<tr>
<td>Bublatzky, Florian</td>
<td>57, 149</td>
</tr>
<tr>
<td>Büchel, Christian</td>
<td>143</td>
</tr>
<tr>
<td>Buckalew, Neilly</td>
<td>49</td>
</tr>
<tr>
<td>Buckley, Peter F.</td>
<td>62</td>
</tr>
<tr>
<td>Buckman, Jennifer F.</td>
<td>145</td>
</tr>
<tr>
<td>Budd, Desiree</td>
<td>28, 138</td>
</tr>
<tr>
<td>Buhlmann, Ulrike</td>
<td>95</td>
</tr>
<tr>
<td>Bulten, Berend H.</td>
<td>111</td>
</tr>
<tr>
<td>Buodo, Giulia</td>
<td>138</td>
</tr>
<tr>
<td>Burdwood, Erin N.</td>
<td>86</td>
</tr>
<tr>
<td>Burgdorf, Christin</td>
<td>38</td>
</tr>
<tr>
<td>Burgess, Kelsea D.</td>
<td>133</td>
</tr>
<tr>
<td>Burke, Allison</td>
<td>137</td>
</tr>
<tr>
<td>Burkhouse, Katie L.</td>
<td>50</td>
</tr>
<tr>
<td>Burleson, Mary H.</td>
<td>106</td>
</tr>
<tr>
<td>Burr, Daisy</td>
<td>71</td>
</tr>
<tr>
<td>Burton, Philip C.</td>
<td>46, 70</td>
</tr>
<tr>
<td>Burwell, Scott J.</td>
<td>45, 160</td>
</tr>
<tr>
<td>Buschkuehl, Martin</td>
<td>36</td>
</tr>
<tr>
<td>Busler, Jessica</td>
<td>108</td>
</tr>
<tr>
<td>Butera, Christiana D.</td>
<td>82, 105</td>
</tr>
<tr>
<td>Butler, Laurie T.</td>
<td>100</td>
</tr>
<tr>
<td>Bylsma, Lauren M.</td>
<td>132</td>
</tr>
<tr>
<td>Cabrera, Ivette</td>
<td>94</td>
</tr>
<tr>
<td>Cacace, Immacolata</td>
<td>136</td>
</tr>
<tr>
<td>Cacciaglia, Raffaele</td>
<td>117, 118</td>
</tr>
<tr>
<td>Cacciari, Cristina</td>
<td>158</td>
</tr>
<tr>
<td>Caffarra, Sendy</td>
<td>158</td>
</tr>
<tr>
<td>Calabrese, B.</td>
<td>35</td>
</tr>
<tr>
<td>Calbi, Marta</td>
<td>90</td>
</tr>
<tr>
<td>Caldara, Roberto</td>
<td>50</td>
</tr>
<tr>
<td>Calhoun, Patrick S.</td>
<td>69</td>
</tr>
<tr>
<td>Calletti, Riccardo</td>
<td>61</td>
</tr>
<tr>
<td>Calzada-Reyes, Ana</td>
<td>131</td>
</tr>
<tr>
<td>Campagnoli, Rafaela R.</td>
<td>90</td>
</tr>
<tr>
<td>Campbell, Keith</td>
<td>62</td>
</tr>
<tr>
<td>Campbell, Kenneth B.</td>
<td>159, 161</td>
</tr>
<tr>
<td>Campbell, Miranda</td>
<td>32</td>
</tr>
<tr>
<td>Campopiano, Allan S.</td>
<td>120</td>
</tr>
<tr>
<td>Campos-Coy, Patricia E.</td>
<td>102</td>
</tr>
<tr>
<td>Canales-Johnson, Andrés</td>
<td>145</td>
</tr>
<tr>
<td>Canli, Turhan</td>
<td>87</td>
</tr>
<tr>
<td>Cantiani, Chiara</td>
<td>63</td>
</tr>
<tr>
<td>Caparelli-Dáquer, Egas M.</td>
<td>158</td>
</tr>
</tbody>
</table>
Index

Capiola, August .......... 137
Caramazza, Alfonso ....... 42
Carboncini, Maria Chiara....
.......................................................... 119
Cardinali, Consuelo ..... 158
Cardona, Juan F. .......... 68
Carlino, Elisa ............ 136
Carlson, Scott R. ........ 115
Carmack, Charles S. ..... 35
Carmona-Perera, Martina...
.......................................................... 73
Carolus, Almut .... 103, 104
Carr, Andrea R. .......... 84
Carrillo-Verdejo, Eduvigis ...
.............................. 135, 147
Caruso, M ...................... 35
Caseras, Xavier .......... 45
Casey, James J .......... 37
Cash, Claudia S. ........ 74
Cash, Therese Verkerke ....
.............................. 142
Cath, Danielle ........... 147
Cavanagh, James F ...... 72
Cavinato, Marianna .... 162
Cecere, Roberto .......... 148
Cellini, Nicola .......... 39, 139
Cetkovich, Marcelo ...... 94
Ceunen, Erik ............ 142
Chai, Maria ........... 47
Chang, Wen-Pin .......... 77, 105
Changeux, Jean-Pierre .... 54
Changming, Wang ...... 124
Chaves, Pedro L .......... 160
Chazin, Shai M .......... 46, 70
Chelazzi, Leonardo ...... 61
Chen, Fang Fang .......... 123
Chen, Jian ............. 90
Chen, Poyu .............. 80
Chen, Xi .................. 106
Chen, Yi-Chieh ........... 68
Cheng, Ming-Yang ....... 68
Cheng, Ouyang .......... 153
Chernysh, Boris V ........ 160
Chi, Lingxi ............. 62
Chiaki, Noriko .......... 102
Chong, Sang Chul .......... 97
Choueiry, Joelle ........ 119
Christians, Björn ....... 151
Chu, Fanny ............. 134
Chu, I. Hua ............. 132
Cifre, Ignacio ........... 148
Cinciripini, Paul M ....... 155,
.......................................................... 156
Cincotta, Massimo ....... 158
Cincotti, F. ............... 35
Cipriano, Margarida .... 83
Ciria, Luis Fernando .... 148,
.......................................................... 149
Citron, Francesca M.M. ....
.......................................................... 106
Clarke, Dave F .......... 144
Clayson, Peter E .......... 105
Clayton, Russell B ....... 80
Clementz, Brett A ........ 62
Clifton, Jessica ........ 103
Clifton, Kyle G .......... 101
Clough, Erin ............. 119
Cochrán, Justinn ....... 151
Codispoti, Maurizio .... 61
Coen, Steven ........... 142
Cohen, Leonardo ....... 77
Cohen, Michael X ....... 58,
.......................................................... 154
Collet, Gregory ........ 96
Collin, Charles A .......... 159
Colomé, Àngels .......... 141
Comstock, Daniel ....... 88
Conde, Ana .............. 107
Connolly, Sean R ........ 110
Contreras, Luis S ........ 127
Cook, Edwin W .......... 83
Cooke, Andrew .......... 68
Cooper, Peter J .......... 73
Coppens, Ryan P ........ 155
Coppola, Giovanni .... 37
Corballis, Paul M ....... 160,
.......................................................... 161
Cornella, Miriam ....... 118
Corriveau, Isabelle ........ 42
Cosentino, Chiara ....... 115
Cosmelli, Diego ....... 79
Costa-Faidella, Jordi .... 117
Coutinho, Evandro S.F ....
.......................................................... 151
Couyoumdjian, Alessandro
.......................................................... 163
Covassin, Naima .......... 39, 139
Cowan, Nelson .......... 92
Creswell, Cathy ....... 73
Dierolf, Angelika M. .... 151
Dietrich, Jonas .......... 134
Dietz, Jenna .............. 92
Diggs, Herman A ........ 155
Dillon, Daniel G. ......... 33
Ding, Xiaoqian .......... 152
Ding, Yulong .............. 124,
........................................ 139, 140
Dinsmore, William .... 106
Ditto, Blaine .............. 114
Dmytrotsha, Olena R. ... 152
do Carmo, Isabel .......... 118
do Vale, Sonia .............. 118
Dobbins, Ian G ............ 33
Dobel, Christian ........ 63, 143
dolan, Raymond J ....... 57
Domes, Gregor ........... 126
Dominelli, Rachelle M. ........
........................................ 115
domschke, Katharina .... 143
Donchin, Emanuel ........ 82,
........................................ 125
donkers, Franc C.L ....... 83,
........................................ 84
Donnelly, Michael P.W ....
....................................... 79, 88, 89
donner, Tobias H ........ 154
doran, Samuel .......... 100
Doro, Mattia .............. 30
Dor-Ziderman, Yair .... 136
Doty, Rachel L ........... 88, 89
doukas, Ashley .......... 71
draisma, Luc .............. 80
drislane, Laura E ....... 130
drobes, David ............ 156
duarte, Antônio Fernando A.
........................................ 151
dudas, Andrew .......... 105
duits, Puck ............... 147
dumont, Glenn J.H ....... 141
Duncan, Connie C. ..... 70
Dundon, Neil M ........... 148
Dunn, Kaitlin R .......... 128
Dusche, Stefan .......... 87, 88
dye, Matthew W.G ...... 153
dyke, Ford ............... 119
Dzyundzyak, Angela .... 120

Eastwick, Paul W ....... 144
Eekhoff, Alexander ..... 68
Eichele, Tom ............ 95
Eickhoff, Simon ....... 31
Eisenbarth, Hedwig .... 131
Elad, Eitan .............. 78
Elfenbein, Hilary A .... 128
El-Hinnawi, Nasryn .... 91
Ellis, Judi A .......... 100
Emkes, Reiner .......... 77
Encke, Max .............. 120
Endrass, Tanja ....... 95
Enge, Luke R ........... 80
Engelmann, Jeffrey M ...
....................................... 155, 156
Enriquez-Geppert, Stefanie
........................................ 121
enter, Dorien .......... 50
ernst, Benjamin .... 122
Ertal, Fatima .......... 90
Ertin, Emre .......... 78
Escera, Carles .......... 47,
....................................... 117, 118
espie, Colin .......... 139
esteller, Angél .... 130
Esteves, Francisco ... 74, 148
Estocinova, Jana ....... 61
Ettine, Deviana ....... 76
Euser, Anja S .......... 146
Evans, Brittany E .... 146
Evans, David .......... 156
Evans, Travis C ....... 103
Ewald, Heike ....... 98

Fabiani, Monica .... 46,
....................................... 47, 153
Fait, Elisa .......... 97
Fan, Yaxin ........ 67
Fante, Chiara .......... 115
Fanti, Kostas A .... 122
Faulkner, Paul .......... 57
Favretto, Giuseppe ... 138,
....................................... 139
Fechtner, Julia ........ 151
Federmeier, Kara D .... 157
<table>
<thead>
<tr>
<th>Index</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gamer, Matthias</td>
<td>113, 120, 126, 143</td>
</tr>
<tr>
<td>Ganin, Ilya P.</td>
<td>77</td>
</tr>
<tr>
<td>Gardener, E.K.T.</td>
<td>84</td>
</tr>
<tr>
<td>Gardner, Kimberly J.</td>
<td>105</td>
</tr>
<tr>
<td>Gardner-Schuster, Erica E.</td>
<td>69, 71</td>
</tr>
<tr>
<td>Garfinkel, Sarah N.</td>
<td>44</td>
</tr>
<tr>
<td>Garrett, Neil</td>
<td>57</td>
</tr>
<tr>
<td>Garrison, Brian L.</td>
<td>72</td>
</tr>
<tr>
<td>Gasparotto, Renata</td>
<td>138, 139</td>
</tr>
<tr>
<td>Gates, Kathleen M.</td>
<td>53</td>
</tr>
<tr>
<td>Gatzke-Kopp, Lisa M.</td>
<td>53, 94</td>
</tr>
<tr>
<td>Gautier, Clara</td>
<td>88</td>
</tr>
<tr>
<td>Gavin, William J.</td>
<td>35, 105</td>
</tr>
<tr>
<td>Gawlowska, Magda</td>
<td>38, 108</td>
</tr>
<tr>
<td>Geiger, Ashley M.</td>
<td>75</td>
</tr>
<tr>
<td>Geldmacher, Thomas</td>
<td>109</td>
</tr>
<tr>
<td>Gendolla, Guido H.E.</td>
<td>32, 43, 44</td>
</tr>
<tr>
<td>Gentsch, Kornelia</td>
<td>89</td>
</tr>
<tr>
<td>Geraerts, Elke</td>
<td>132</td>
</tr>
<tr>
<td>Gerasimenko, Natalia Yu</td>
<td>96</td>
</tr>
<tr>
<td>Gerdes, Antje B.M.</td>
<td>57, 99, 101, 149</td>
</tr>
<tr>
<td>Gerteis, Ann Kathrin S.</td>
<td>74</td>
</tr>
<tr>
<td>Gianferante, Danielle</td>
<td>75, 76</td>
</tr>
<tr>
<td>Gibb, Brandon E.</td>
<td>50</td>
</tr>
<tr>
<td>Giffin, Sarah</td>
<td>71</td>
</tr>
<tr>
<td>Gilbert, David G.</td>
<td>155, 156</td>
</tr>
<tr>
<td>Gilchrist, Philippe T.</td>
<td>114</td>
</tr>
<tr>
<td>Gillie, Brandon L.</td>
<td>74</td>
</tr>
<tr>
<td>Gil-Nagel, Antonio</td>
<td>147</td>
</tr>
<tr>
<td>Giménez-Fernández, Tamara</td>
<td>147</td>
</tr>
<tr>
<td>Giovannelli, Fabio</td>
<td>158</td>
</tr>
<tr>
<td>Gleiser, Sonia</td>
<td>151</td>
</tr>
<tr>
<td>Glicksohn, Joseph</td>
<td>136</td>
</tr>
<tr>
<td>Glotzbach-Schoon, Evelyn</td>
<td>58, 98</td>
</tr>
<tr>
<td>Gobbel, Catherine</td>
<td>71</td>
</tr>
<tr>
<td>Godde, Ben</td>
<td>88</td>
</tr>
<tr>
<td>Godefroid, Elke</td>
<td>140</td>
</tr>
<tr>
<td>Godwin, Maurice M.</td>
<td>119</td>
</tr>
<tr>
<td>Gogichadze, Mariam V.</td>
<td>136</td>
</tr>
<tr>
<td>Gogorishvili, Tea T.</td>
<td>95</td>
</tr>
<tr>
<td>Goldberg, Adele E.</td>
<td>106</td>
</tr>
<tr>
<td>Goldstein, Abraham</td>
<td>136</td>
</tr>
<tr>
<td>Goldstein, Michael R.</td>
<td>72</td>
</tr>
<tr>
<td>Goloshekyin, Simon A.</td>
<td>85</td>
</tr>
<tr>
<td>Gomes, Ana</td>
<td>118</td>
</tr>
<tr>
<td>Gómez, Carlos</td>
<td>97</td>
</tr>
<tr>
<td>Gomez, Lazaar</td>
<td>94</td>
</tr>
<tr>
<td>Gomez, Patrick</td>
<td>80</td>
</tr>
<tr>
<td>Gongora, Daylin</td>
<td>56</td>
</tr>
<tr>
<td>Gonsalvez, Craig J.</td>
<td>133</td>
</tr>
<tr>
<td>Gonzalez-Gadea, Maria Luz</td>
<td>93</td>
</tr>
<tr>
<td>Goodman, Marianne</td>
<td>122</td>
</tr>
<tr>
<td>Gorka, Stephanie</td>
<td>32</td>
</tr>
<tr>
<td>Gorlin, Gena</td>
<td>142</td>
</tr>
<tr>
<td>Gotlib, Ian H.</td>
<td>162</td>
</tr>
<tr>
<td>Graf, Jessica</td>
<td>36</td>
</tr>
<tr>
<td>Grandjean, Didier</td>
<td>89</td>
</tr>
<tr>
<td>Grant, Julia D.</td>
<td>85</td>
</tr>
<tr>
<td>Gratton, Gabriele</td>
<td>46, 47, 153</td>
</tr>
<tr>
<td>Greaves-Lord, Kirstin</td>
<td>146</td>
</tr>
<tr>
<td>Green, Charles</td>
<td>155</td>
</tr>
<tr>
<td>Green, Dalvina S.</td>
<td>89</td>
</tr>
<tr>
<td>Gresham, Lauren K.</td>
<td>99</td>
</tr>
<tr>
<td>Grimault, Stephan</td>
<td>125</td>
</tr>
<tr>
<td>Grimm, Oliver</td>
<td>70</td>
</tr>
<tr>
<td>Grimm, Sabine</td>
<td>47, 117, 118</td>
</tr>
<tr>
<td>Grimshaw, Gina M.</td>
<td>103, 133</td>
</tr>
<tr>
<td>Gritz, Ellen R.</td>
<td>156</td>
</tr>
<tr>
<td>Grön, Georg</td>
<td>153</td>
</tr>
<tr>
<td>Gruber, Thomas</td>
<td>139</td>
</tr>
<tr>
<td>Gruss, L. Forest</td>
<td>31, 92</td>
</tr>
<tr>
<td>Grützmann, Rosa</td>
<td>95</td>
</tr>
<tr>
<td>Grynberg, Delphine</td>
<td>79</td>
</tr>
<tr>
<td>Grzybowski, Szczepan</td>
<td>65</td>
</tr>
<tr>
<td>Gschwandtner, Ute</td>
<td>92</td>
</tr>
<tr>
<td>Guerra, Pedro</td>
<td>56, 57, 149</td>
</tr>
<tr>
<td>Gui, Xue</td>
<td>124</td>
</tr>
<tr>
<td>Guinn, Ashley</td>
<td>125</td>
</tr>
<tr>
<td>Gulbinaite, Rasa</td>
<td>98</td>
</tr>
<tr>
<td>Guo, Shichun</td>
<td>90</td>
</tr>
<tr>
<td>Guo, Taomei</td>
<td>64</td>
</tr>
<tr>
<td>Gur, Ruben C.</td>
<td>31</td>
</tr>
<tr>
<td>Gurt, Michelle</td>
<td>75</td>
</tr>
<tr>
<td>Name</td>
<td>Page Numbers</td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Gutsell, Jennifer N</td>
<td>111</td>
</tr>
<tr>
<td>Gvilia, Irma J</td>
<td>136</td>
</tr>
<tr>
<td>Haase, Claudia M</td>
<td>37</td>
</tr>
<tr>
<td>Habel, Ute</td>
<td>31</td>
</tr>
<tr>
<td>Häcker, Frank E.K.</td>
<td>116</td>
</tr>
<tr>
<td>Hackley, Steven A.</td>
<td>16, 33, 34, 92</td>
</tr>
<tr>
<td>Haddad, Anneke D.M.</td>
<td>46</td>
</tr>
<tr>
<td>Hahn, Shannon E.</td>
<td>142</td>
</tr>
<tr>
<td>Hajcak, Greg</td>
<td>32, 38, 45, 49, 81, 82, 98, 107, 157</td>
</tr>
<tr>
<td>Hale-Rude, Emily M.</td>
<td>81</td>
</tr>
<tr>
<td>Hall, Jason R.</td>
<td>145</td>
</tr>
<tr>
<td>Hallfarth, Marlit Carolin</td>
<td>109</td>
</tr>
<tr>
<td>Hamaguchi, Masayuki</td>
<td>120</td>
</tr>
<tr>
<td>Hamamoto, Yuki</td>
<td>79</td>
</tr>
<tr>
<td>Hameroff, Stuart</td>
<td>73</td>
</tr>
<tr>
<td>Hamilton, Holly K.</td>
<td>104, 105</td>
</tr>
<tr>
<td>Hamm, Alfons O.</td>
<td>27, 29, 55, 125, 126</td>
</tr>
<tr>
<td>Hamm, Carmen</td>
<td>126</td>
</tr>
<tr>
<td>Hamm, Jordan P.</td>
<td>62</td>
</tr>
<tr>
<td>Hampshire, Adam</td>
<td>36</td>
</tr>
<tr>
<td>Hanlin, Luke</td>
<td>76</td>
</tr>
<tr>
<td>Hardy, Katherine</td>
<td>89</td>
</tr>
<tr>
<td>Hareli, Shlomo</td>
<td>134</td>
</tr>
<tr>
<td>Harmon-Jones, Eddie</td>
<td>38, 111, 114, 144</td>
</tr>
<tr>
<td>Hartung, Katelynn</td>
<td>88</td>
</tr>
<tr>
<td>Harry, Siobhan</td>
<td>65</td>
</tr>
<tr>
<td>Hasan, Gabriel Sami</td>
<td>162</td>
</tr>
<tr>
<td>Hastings, Paul</td>
<td>50</td>
</tr>
<tr>
<td>Hatz, Florian</td>
<td>92</td>
</tr>
<tr>
<td>Haung, Chung-Ju</td>
<td>67</td>
</tr>
<tr>
<td>Havrylet's, Youri</td>
<td>114</td>
</tr>
<tr>
<td>Hayes, Aoife M.</td>
<td>65</td>
</tr>
<tr>
<td>Hayrynen, Lauren K.</td>
<td>62</td>
</tr>
<tr>
<td>Hazlett, Erin A.</td>
<td>122</td>
</tr>
<tr>
<td>Heathcote, Andrew</td>
<td>63, 97, 100</td>
</tr>
<tr>
<td>Heathcote, Lauren</td>
<td>46</td>
</tr>
<tr>
<td>Hecht, Holger</td>
<td>67, 72, 136</td>
</tr>
<tr>
<td>Heekeren, Hauke</td>
<td>57</td>
</tr>
<tr>
<td>Heenan, Adam</td>
<td>119</td>
</tr>
<tr>
<td>Hege, Maike</td>
<td>119</td>
</tr>
<tr>
<td>Heikaus, Laura</td>
<td>162</td>
</tr>
<tr>
<td>Heim, Alicia</td>
<td>88</td>
</tr>
<tr>
<td>Heitland, Ivo</td>
<td>48, 147</td>
</tr>
<tr>
<td>Heitmann, Carina</td>
<td>109</td>
</tr>
<tr>
<td>Heller, Wendy</td>
<td>86</td>
</tr>
<tr>
<td>Helm, Jonathan</td>
<td>53</td>
</tr>
<tr>
<td>Henderson, John M.</td>
<td>116</td>
</tr>
<tr>
<td>Henderson, Robert R.</td>
<td>92</td>
</tr>
<tr>
<td>Hendrickx, Hilde</td>
<td>100</td>
</tr>
<tr>
<td>Henelius, Andreas</td>
<td>118</td>
</tr>
<tr>
<td>Hennig, Juergen</td>
<td>37</td>
</tr>
<tr>
<td>Henrichs, Jens</td>
<td>84</td>
</tr>
<tr>
<td>Henry, Erika A.</td>
<td>128</td>
</tr>
<tr>
<td>Henz, Diana</td>
<td>68</td>
</tr>
<tr>
<td>Herbert, Beate M.</td>
<td>43</td>
</tr>
<tr>
<td>Heritage, Allan J.</td>
<td>131</td>
</tr>
<tr>
<td>Hermann, Andrea</td>
<td>82, 151</td>
</tr>
<tr>
<td>Hermann, Christiane</td>
<td>147</td>
</tr>
<tr>
<td>Hermans, Dirk</td>
<td>48</td>
</tr>
<tr>
<td>Herpertz, Sabine C.</td>
<td>126</td>
</tr>
<tr>
<td>Herring, David R.</td>
<td>78, 80</td>
</tr>
<tr>
<td>Herrmann, Christoph S.</td>
<td>59, 121</td>
</tr>
<tr>
<td>Hess, Ursula</td>
<td>128</td>
</tr>
<tr>
<td>Hetrick, William P.</td>
<td>103</td>
</tr>
<tr>
<td>Hettich, Dirk T.</td>
<td>77, 85</td>
</tr>
<tr>
<td>Hewig, Johannes</td>
<td>67, 72, 96</td>
</tr>
<tr>
<td>Hicks, Brian M.</td>
<td>129, 130</td>
</tr>
<tr>
<td>Hielshcer, Emily</td>
<td>127</td>
</tr>
<tr>
<td>Hilgard, Joseph</td>
<td>157</td>
</tr>
<tr>
<td>Hill, LaBarron K.</td>
<td>74</td>
</tr>
<tr>
<td>Hinkelmann, Kim</td>
<td>127</td>
</tr>
<tr>
<td>Hinsenkamp, Lucas D.</td>
<td>99</td>
</tr>
<tr>
<td>Hira, Shinji</td>
<td>79</td>
</tr>
<tr>
<td>Hirata, Hisashi</td>
<td>106</td>
</tr>
<tr>
<td>Hiroaki, Masaki</td>
<td>141</td>
</tr>
<tr>
<td>Hirsh, Jacob B.</td>
<td>38</td>
</tr>
<tr>
<td>Hobson, Nick</td>
<td>123</td>
</tr>
<tr>
<td>Hoen, Nora</td>
<td>136</td>
</tr>
<tr>
<td>Hoenig, Klaus</td>
<td>153</td>
</tr>
<tr>
<td>Hoffman, Richard</td>
<td>128</td>
</tr>
<tr>
<td>Holly, Crystal D.</td>
<td>114</td>
</tr>
<tr>
<td>Holroyd, Clay B.</td>
<td>141, 160, 161</td>
</tr>
<tr>
<td>Holtz, Katharina</td>
<td>126</td>
</tr>
<tr>
<td>Name</td>
<td>Page(s)</td>
</tr>
<tr>
<td>---------------</td>
<td>---------</td>
</tr>
<tr>
<td>Hong, Christina</td>
<td>123</td>
</tr>
<tr>
<td>Hope, Christopher</td>
<td>125</td>
</tr>
<tr>
<td>Hopp, Judy</td>
<td>88</td>
</tr>
<tr>
<td>Horiguchi, Mari</td>
<td>127</td>
</tr>
<tr>
<td>Horiguchi, Masami</td>
<td>145</td>
</tr>
<tr>
<td>Horváth, János</td>
<td>119</td>
</tr>
<tr>
<td>Houston, Rebecca J.</td>
<td>90</td>
</tr>
<tr>
<td>Hovinga, Collin</td>
<td>144</td>
</tr>
<tr>
<td>Hsieh, Shulan</td>
<td>79, 80</td>
</tr>
<tr>
<td>Hsu, Nina S</td>
<td>36</td>
</tr>
<tr>
<td>Huang, Chin-Wen</td>
<td>67</td>
</tr>
<tr>
<td>Huang, Chung-Ju</td>
<td>67, 68</td>
</tr>
<tr>
<td>Huang, Jing</td>
<td>124</td>
</tr>
<tr>
<td>Huang, Tamei</td>
<td>121</td>
</tr>
<tr>
<td>Hudgens-Haney, Matt E.</td>
<td></td>
</tr>
<tr>
<td>Huepe, David</td>
<td>94, 145</td>
</tr>
<tr>
<td>Hühnel, Isabell</td>
<td>134, 135</td>
</tr>
<tr>
<td>Huijding, Jorg</td>
<td>146</td>
</tr>
<tr>
<td>Huizink, Anja C.</td>
<td>146</td>
</tr>
<tr>
<td>Hülsemann, Mareike</td>
<td>151</td>
</tr>
<tr>
<td>Hummel, Cornelia</td>
<td>99</td>
</tr>
<tr>
<td>Hummel, Thomas</td>
<td>99</td>
</tr>
<tr>
<td>Hung, Chiao-Ling</td>
<td>67</td>
</tr>
<tr>
<td>Hung, Tsung-Min</td>
<td>67, 68</td>
</tr>
<tr>
<td>Hunt, Laurence T.</td>
<td>111</td>
</tr>
<tr>
<td>Huotilainen, Minna</td>
<td>118</td>
</tr>
<tr>
<td>Huppert, Jonathan D.</td>
<td>102</td>
</tr>
<tr>
<td>Hurtado, Esteban</td>
<td>68</td>
</tr>
<tr>
<td>Huster, René J.</td>
<td>58, 59, 121</td>
</tr>
<tr>
<td>Hyman, James M.</td>
<td>141</td>
</tr>
<tr>
<td>Hyvärinen, Hanna-Kaisa</td>
<td>135</td>
</tr>
<tr>
<td>Iacono, William G.</td>
<td>45, 60</td>
</tr>
<tr>
<td>Ibáñez, Agustín</td>
<td>68, 93, 94, 145</td>
</tr>
<tr>
<td>Idrissi, Sofia</td>
<td>149</td>
</tr>
<tr>
<td>Ielpo, N.</td>
<td>35</td>
</tr>
<tr>
<td>Ievpak, Nataliia V.</td>
<td>152</td>
</tr>
<tr>
<td>Iles, Andrew</td>
<td>75</td>
</tr>
<tr>
<td>Ilivitsky, Vadim</td>
<td>119</td>
</tr>
<tr>
<td>Ilse, Nijs</td>
<td>43</td>
</tr>
<tr>
<td>Impye, Danielle</td>
<td>118</td>
</tr>
<tr>
<td>In-Albon, Tina</td>
<td>31</td>
</tr>
<tr>
<td>Infantolino, Zachary P.</td>
<td>86</td>
</tr>
<tr>
<td>Inghilleri, M.</td>
<td>35</td>
</tr>
<tr>
<td>Innocenti, Augusto</td>
<td>115</td>
</tr>
<tr>
<td>Inoue, Yusuke</td>
<td>66</td>
</tr>
<tr>
<td>Inzlicht, Michael</td>
<td>38, 111, 123</td>
</tr>
<tr>
<td>Isowa, Tokiko</td>
<td>66</td>
</tr>
<tr>
<td>Ito, Kanetoshi</td>
<td>76</td>
</tr>
<tr>
<td>Ito, Tiffany A.</td>
<td>128</td>
</tr>
<tr>
<td>Jabeen, Linsa N.</td>
<td>78</td>
</tr>
<tr>
<td>Jackson, Edward F.</td>
<td>155</td>
</tr>
<tr>
<td>Jackson, Felicia</td>
<td>81, 82</td>
</tr>
<tr>
<td>Jacoby, Nori</td>
<td>54</td>
</tr>
<tr>
<td>Jaeggi, Susanne</td>
<td>36</td>
</tr>
<tr>
<td>Jafari, Hassan</td>
<td>143</td>
</tr>
<tr>
<td>Jahfari, Sara</td>
<td>59</td>
</tr>
<tr>
<td>Jahnke, Katrin</td>
<td>127</td>
</tr>
<tr>
<td>Janssens, Thomas</td>
<td>142</td>
</tr>
<tr>
<td>Jarvis, Megan</td>
<td>137</td>
</tr>
<tr>
<td>Jasinska, Kaja K.</td>
<td>129</td>
</tr>
<tr>
<td>Jaworek, Anna</td>
<td>125</td>
</tr>
<tr>
<td>Jaworska, Natalia</td>
<td>119</td>
</tr>
<tr>
<td>Jennings, J. Richard</td>
<td>87, 132</td>
</tr>
<tr>
<td>Jentink, Kade</td>
<td>156</td>
</tr>
<tr>
<td>Jentzsich, Ines</td>
<td>141</td>
</tr>
<tr>
<td>Johnson, Addie</td>
<td>98</td>
</tr>
<tr>
<td>Jolicoeur, Pierre</td>
<td>30, 41, 125</td>
</tr>
<tr>
<td>Jolly, Todd</td>
<td>100</td>
</tr>
<tr>
<td>Jones, Alex</td>
<td>83, 107</td>
</tr>
<tr>
<td>Jonides, John</td>
<td>36</td>
</tr>
<tr>
<td>Jost, John T.</td>
<td>127</td>
</tr>
<tr>
<td>Jung, Katherine</td>
<td>134</td>
</tr>
<tr>
<td>Junghöfer, Markus</td>
<td>85, 91, 143, 144</td>
</tr>
<tr>
<td>Juravle, Georgiana</td>
<td>143</td>
</tr>
<tr>
<td>Jurica, Peter</td>
<td>61</td>
</tr>
<tr>
<td>Kachynska, Tetiana V.</td>
<td>152</td>
</tr>
<tr>
<td>Kaczkurkin, Antonia N.</td>
<td>45, 46, 70</td>
</tr>
<tr>
<td>Kadosh, Kathrin Cohen</td>
<td>46</td>
</tr>
<tr>
<td>Kagerer, Sabine</td>
<td>82</td>
</tr>
<tr>
<td>Name</td>
<td>Page(s)</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Kais, Lorri A.</td>
<td>64</td>
</tr>
<tr>
<td>Kalinin, Sergei A.</td>
<td>96</td>
</tr>
<tr>
<td>Kamienkowski, Juan</td>
<td>68</td>
</tr>
<tr>
<td>Kamijo, Keita</td>
<td>141</td>
</tr>
<tr>
<td>Kamp, Siri-Maria</td>
<td>82, 125</td>
</tr>
<tr>
<td>Kanayama, Yusuke</td>
<td>71, 75</td>
</tr>
<tr>
<td>Kannevanti, Raghuvir</td>
<td></td>
</tr>
<tr>
<td>Kalinin, Sergei A.</td>
<td>96</td>
</tr>
<tr>
<td>Kamienkowski, Juan</td>
<td>68</td>
</tr>
<tr>
<td>Kamijo, Keita</td>
<td>141</td>
</tr>
<tr>
<td>Kamp, Siri-Maria</td>
<td>82, 125</td>
</tr>
<tr>
<td>Kanayama, Yusuke</td>
<td>71, 75</td>
</tr>
<tr>
<td>Kannevanti, Raghuvir</td>
<td></td>
</tr>
<tr>
<td>Kanten, Arvid</td>
<td>111</td>
</tr>
<tr>
<td>Kappaneman, Emily</td>
<td>17, 33</td>
</tr>
<tr>
<td>Karamacoska, Diana</td>
<td>162</td>
</tr>
<tr>
<td>Karam-Hage, Maher A.</td>
<td></td>
</tr>
<tr>
<td>Karayanidis, Frini</td>
<td>97, 100</td>
</tr>
<tr>
<td>Kardos, Zsófia</td>
<td>62, 63</td>
</tr>
<tr>
<td>Karl, Anke</td>
<td>75</td>
</tr>
<tr>
<td>Karl, Christian</td>
<td>90</td>
</tr>
<tr>
<td>Karlsdottir, Mardis S.</td>
<td>114</td>
</tr>
<tr>
<td>Kaskie, Rachel E.</td>
<td>105</td>
</tr>
<tr>
<td>Kastner, Anna K.</td>
<td>98</td>
</tr>
<tr>
<td>Katayama, Jun 'ichi</td>
<td>101</td>
</tr>
<tr>
<td>Kathmann, Norbert</td>
<td>95</td>
</tr>
<tr>
<td>Katina, Stanislav</td>
<td>124</td>
</tr>
<tr>
<td>Kato, Yuichi</td>
<td>145</td>
</tr>
<tr>
<td>Katsumiya, Ruri</td>
<td>75</td>
</tr>
<tr>
<td>Katz, Andrea</td>
<td>32</td>
</tr>
<tr>
<td>Kaufmann, Christian</td>
<td>95</td>
</tr>
<tr>
<td>Kaufmann, Jürgen M.</td>
<td>56</td>
</tr>
<tr>
<td>Kaul, Christian</td>
<td>50</td>
</tr>
<tr>
<td>Kavussanu, Maria</td>
<td>68</td>
</tr>
<tr>
<td>Kawai, Nobuyuki</td>
<td>163</td>
</tr>
<tr>
<td>Kaye, Jesse T</td>
<td>156</td>
</tr>
<tr>
<td>Kayser, Jürgen</td>
<td>103</td>
</tr>
<tr>
<td>Kazuo, Mishima</td>
<td>71</td>
</tr>
<tr>
<td>Kecskés-Kovács, Krisztina</td>
<td></td>
</tr>
<tr>
<td>Keil, Andreas</td>
<td></td>
</tr>
<tr>
<td>Keller, Johannes</td>
<td>153</td>
</tr>
<tr>
<td>Kellermann, Thilo</td>
<td>31</td>
</tr>
<tr>
<td>Kelley, Nicholas J.</td>
<td>144</td>
</tr>
<tr>
<td>Kelly, Loran A.</td>
<td>131</td>
</tr>
<tr>
<td>Kelly, Simon P.</td>
<td>65</td>
</tr>
<tr>
<td>Keltner, Dacher</td>
<td>37</td>
</tr>
<tr>
<td>Kemp, Andrew A.H.</td>
<td>84, 107, 113</td>
</tr>
<tr>
<td>Kempkes, Lisa</td>
<td>143</td>
</tr>
<tr>
<td>Kenar, Kali</td>
<td>106</td>
</tr>
<tr>
<td>Kennedy, Amy</td>
<td>70</td>
</tr>
<tr>
<td>Kennedy, Bridget</td>
<td>103</td>
</tr>
<tr>
<td>Kensinger, Elizabeth</td>
<td>76, 135</td>
</tr>
<tr>
<td>Kerschbaum, Hubert</td>
<td>76</td>
</tr>
<tr>
<td>Kessels, Roy P.C.</td>
<td>111</td>
</tr>
<tr>
<td>Khachidze, Irma I.O.</td>
<td>95</td>
</tr>
<tr>
<td>Khalilian, Negin</td>
<td>134</td>
</tr>
<tr>
<td>Khatcherian, Stephanie M.</td>
<td></td>
</tr>
<tr>
<td>Kiehl, Kent A.</td>
<td>131</td>
</tr>
<tr>
<td>Kim-Cohen, Julia</td>
<td>141</td>
</tr>
<tr>
<td>Kimonis, Eva R.</td>
<td>145</td>
</tr>
<tr>
<td>Kimura, Motohiro</td>
<td>63</td>
</tr>
<tr>
<td>Kimura, Tsukasa</td>
<td>101</td>
</tr>
<tr>
<td>Kinsbourne, Marcel</td>
<td>71</td>
</tr>
<tr>
<td>Kirilina, Evgeniya</td>
<td>106</td>
</tr>
<tr>
<td>Kirmse, Ursula</td>
<td>116</td>
</tr>
<tr>
<td>Kirscbbaum, Clemens</td>
<td>37</td>
</tr>
<tr>
<td>Kirschner, Hans</td>
<td>75</td>
</tr>
<tr>
<td>Kiryu, Shigeru</td>
<td>66</td>
</tr>
<tr>
<td>Kisho, Jippo</td>
<td>69</td>
</tr>
<tr>
<td>Kiessler, Johanna</td>
<td>117</td>
</tr>
<tr>
<td>Kittles, Rick</td>
<td>48</td>
</tr>
<tr>
<td>Kivity, Yoge</td>
<td>102</td>
</tr>
<tr>
<td>Klawohn, Julii</td>
<td>95</td>
</tr>
<tr>
<td>Klein, Christoph</td>
<td>160</td>
</tr>
<tr>
<td>Klinkenberg, Isabelle</td>
<td>143</td>
</tr>
<tr>
<td>Klucken, Tim</td>
<td>37, 82</td>
</tr>
<tr>
<td>Knaepen, Kristel</td>
<td>96</td>
</tr>
<tr>
<td>Kneschie, Rainer</td>
<td>95</td>
</tr>
<tr>
<td>Knott, Verner J.</td>
<td>118, 119</td>
</tr>
<tr>
<td>Knyazev, Gennady</td>
<td>107</td>
</tr>
<tr>
<td>Kobayashi, Takefumi</td>
<td>110</td>
</tr>
<tr>
<td>Kocsis, Zsuzsanna</td>
<td>96</td>
</tr>
<tr>
<td>Koelble, Sara</td>
<td>111</td>
</tr>
<tr>
<td>Kogan, Anya V.</td>
<td>72</td>
</tr>
<tr>
<td>Kolev, Vasil</td>
<td>120</td>
</tr>
<tr>
<td>Kolodich, Ella I.</td>
<td>152</td>
</tr>
<tr>
<td>Kolodyazhniy, Vitaliy</td>
<td>76</td>
</tr>
<tr>
<td>Kooiman, Kees G.</td>
<td>127</td>
</tr>
<tr>
<td>Kool, Wouter</td>
<td>38</td>
</tr>
<tr>
<td>Korhumel, Rachel A.</td>
<td>49</td>
</tr>
<tr>
<td>Korn, Christoph</td>
<td>57</td>
</tr>
<tr>
<td>Korpela, Jussi</td>
<td>118</td>
</tr>
<tr>
<td>Name</td>
<td>Pages</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>Kosonogov, Vladimir</td>
<td>135</td>
</tr>
<tr>
<td>Kotani, Yasunori</td>
<td>66</td>
</tr>
<tr>
<td>Kotchoubey, Boris</td>
<td>137</td>
</tr>
<tr>
<td>Kotov, Roman</td>
<td>81, 82</td>
</tr>
<tr>
<td>Kotsan, Ihor Y.</td>
<td>152</td>
</tr>
<tr>
<td>Kousaie, Shanna</td>
<td>158, 159</td>
</tr>
<tr>
<td>Kovacs, Maria</td>
<td>132</td>
</tr>
<tr>
<td>Kozachuk, Natalia V.</td>
<td>152</td>
</tr>
<tr>
<td>Kozik, Bartlomiej</td>
<td>150</td>
</tr>
<tr>
<td>Krafft, Cynthia E.</td>
<td>62</td>
</tr>
<tr>
<td>Kramer, Mark D.</td>
<td>130</td>
</tr>
<tr>
<td>Kravchenko, Viktoria</td>
<td>154</td>
</tr>
<tr>
<td>Kresh, Sarah</td>
<td>63</td>
</tr>
<tr>
<td>Kress, Julia</td>
<td>99</td>
</tr>
<tr>
<td>Kreußel, Luisa</td>
<td>136</td>
</tr>
<tr>
<td>Kroszen, Markus</td>
<td>77</td>
</tr>
<tr>
<td>Kroll, Sara L.</td>
<td>140</td>
</tr>
<tr>
<td>Kroppmann, Christopher J.</td>
<td>103</td>
</tr>
<tr>
<td>Krosh, Amy R.</td>
<td>127</td>
</tr>
<tr>
<td>Kross, Ethan</td>
<td>87</td>
</tr>
<tr>
<td>Kroytor, Anya A.</td>
<td>92</td>
</tr>
<tr>
<td>Krupskaya, Ekaterina V.</td>
<td>85</td>
</tr>
<tr>
<td>Krusemark, Elizabeth A.</td>
<td>62</td>
</tr>
<tr>
<td>Krutman, Laura</td>
<td>90, 91</td>
</tr>
<tr>
<td>Küberler, Andrea</td>
<td>137</td>
</tr>
<tr>
<td>Kubo, Kenta</td>
<td>163</td>
</tr>
<tr>
<td>Kuehl, Linn K.</td>
<td>127</td>
</tr>
<tr>
<td>Kuehner, Christine</td>
<td>66</td>
</tr>
<tr>
<td>Kuerten, Julia</td>
<td>108</td>
</tr>
<tr>
<td>Kuester, Dennis</td>
<td>111</td>
</tr>
<tr>
<td>Kuhr, Benjamin</td>
<td>139</td>
</tr>
<tr>
<td>Kujawa, Autumn</td>
<td>38</td>
</tr>
<tr>
<td>Kullowatz, Antje</td>
<td>142</td>
</tr>
<tr>
<td>Kumar, Santosh</td>
<td>78</td>
</tr>
<tr>
<td>Kümmerer, Dorothee</td>
<td>76</td>
</tr>
<tr>
<td>Kuniecki, Michał</td>
<td>61</td>
</tr>
<tr>
<td>Kurapaty, Nikhil T.</td>
<td>80</td>
</tr>
<tr>
<td>Kurganski, Andrei V.</td>
<td>85</td>
</tr>
<tr>
<td>Kurita, Satoko</td>
<td>109</td>
</tr>
<tr>
<td>Kushner, Steven A.</td>
<td>127</td>
</tr>
<tr>
<td>Kuszniewski, Janka</td>
<td>135</td>
</tr>
<tr>
<td>Kutas, Marta</td>
<td>157</td>
</tr>
<tr>
<td>Kuyken, Willem</td>
<td>75</td>
</tr>
<tr>
<td>Kuznietsvo, Illya P.</td>
<td>152</td>
</tr>
<tr>
<td>Kyrlychuk, Evgenij Ol.</td>
<td>152</td>
</tr>
<tr>
<td>La Rue, Caleb</td>
<td>83</td>
</tr>
<tr>
<td>Labelle, Alain</td>
<td>119</td>
</tr>
<tr>
<td>Labkovsky, Elena</td>
<td>78</td>
</tr>
<tr>
<td>Labouliere, Christa D.</td>
<td>132</td>
</tr>
<tr>
<td>Labudda, Kirsten</td>
<td>117</td>
</tr>
<tr>
<td>Ladavas, Elisabeta</td>
<td>148</td>
</tr>
<tr>
<td>Lage, Agustín</td>
<td>56, 57</td>
</tr>
<tr>
<td>Laird, Angela R.</td>
<td>108</td>
</tr>
<tr>
<td>Lalor, Edmund C.</td>
<td>65</td>
</tr>
<tr>
<td>Lam, Cho Y.</td>
<td>155, 156</td>
</tr>
<tr>
<td>Lamm, Klaus</td>
<td>111</td>
</tr>
<tr>
<td>..................................</td>
<td>124, 140, 156</td>
</tr>
<tr>
<td>Lane, Jessica</td>
<td>37</td>
</tr>
<tr>
<td>Lang, Annie</td>
<td>109, 110</td>
</tr>
<tr>
<td>Lang, Peter J.</td>
<td>26</td>
</tr>
<tr>
<td>..................................</td>
<td>91, 92, 105</td>
</tr>
<tr>
<td>Langohr, Bernd</td>
<td>109</td>
</tr>
<tr>
<td>Lapate, Regina C.</td>
<td>99, 100</td>
</tr>
<tr>
<td>Larra, Mauro F.</td>
<td>34, 150</td>
</tr>
<tr>
<td>Larsen, Amanda D.</td>
<td>128</td>
</tr>
<tr>
<td>Larson, Christine L.</td>
<td>52</td>
</tr>
<tr>
<td>Larsson, Maria</td>
<td>99</td>
</tr>
<tr>
<td>Lasalle, Marie</td>
<td>128</td>
</tr>
<tr>
<td>Laszlo, Sarah</td>
<td>134</td>
</tr>
<tr>
<td>Lau, Jennifer Y.F.</td>
<td>46</td>
</tr>
<tr>
<td>Lavallée, Christina F.</td>
<td>59, 121</td>
</tr>
<tr>
<td>Lawrence, Natalia</td>
<td>75</td>
</tr>
<tr>
<td>Lazarev, Ivan E.</td>
<td>160</td>
</tr>
<tr>
<td>Lazarev, Vladimir V.</td>
<td>93, 158</td>
</tr>
<tr>
<td>Lazarou, Chrysostomos</td>
<td>122</td>
</tr>
<tr>
<td>Leaver, Echo E.</td>
<td>28, 88, 89</td>
</tr>
<tr>
<td>Lee, Eun-Young</td>
<td>34, 92</td>
</tr>
<tr>
<td>Lee, Jeong Min</td>
<td>123</td>
</tr>
<tr>
<td>Lee, Sherman T.</td>
<td>69</td>
</tr>
<tr>
<td>Lee, Tina</td>
<td>89</td>
</tr>
<tr>
<td>Lee, You-Yun</td>
<td>79, 80</td>
</tr>
<tr>
<td>Lefebvre, Christine</td>
<td>125</td>
</tr>
<tr>
<td>Lehrer, Paul M.</td>
<td>75</td>
</tr>
<tr>
<td>Leinikka, Marianne</td>
<td>118</td>
</tr>
<tr>
<td>Leite, Sofia F.</td>
<td>159</td>
</tr>
<tr>
<td>Lemasters, Lucas</td>
<td>137</td>
</tr>
<tr>
<td>Lemus, Maria G.</td>
<td>162</td>
</tr>
<tr>
<td>León, Inmaculada</td>
<td>57, 149</td>
</tr>
<tr>
<td>Leshner, Glenn M.</td>
<td>80</td>
</tr>
<tr>
<td>Leue, Anja</td>
<td>122</td>
</tr>
<tr>
<td>Name</td>
<td>Page(s)</td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Leung, Sumie</td>
<td>118</td>
</tr>
<tr>
<td>Leutgeb, Verena</td>
<td>115, 116</td>
</tr>
<tr>
<td>Levenson, Robert W.</td>
<td>37</td>
</tr>
<tr>
<td>Levi, Christopher</td>
<td>100</td>
</tr>
<tr>
<td>Levy, Daniel A.</td>
<td>124</td>
</tr>
<tr>
<td>Li, Bingshuo</td>
<td>78</td>
</tr>
<tr>
<td>Li, Dawei</td>
<td>92</td>
</tr>
<tr>
<td>Li, Qingyang</td>
<td>62</td>
</tr>
<tr>
<td>Li, Yanfen</td>
<td>153</td>
</tr>
<tr>
<td>Liang, Jing-Min</td>
<td>97</td>
</tr>
<tr>
<td>Liberati, G.</td>
<td>35</td>
</tr>
<tr>
<td>Lieby, Benjamin E.</td>
<td>93</td>
</tr>
<tr>
<td>Limbach, Katharina</td>
<td>161</td>
</tr>
<tr>
<td>Limberg, Anke</td>
<td>126</td>
</tr>
<tr>
<td>Lin, Peng-Chun</td>
<td>67</td>
</tr>
<tr>
<td>Lin, Yuh Jen</td>
<td>132</td>
</tr>
<tr>
<td>Lindenerberg, Ulman</td>
<td>163</td>
</tr>
<tr>
<td>Lindholm, Harri</td>
<td>135</td>
</tr>
<tr>
<td>Lindner, Katja</td>
<td>126</td>
</tr>
<tr>
<td>Lioi, Mario</td>
<td>155, 157</td>
</tr>
<tr>
<td>Lipka, Judith</td>
<td>109</td>
</tr>
<tr>
<td>Lipp, Ottmar V.</td>
<td>148</td>
</tr>
<tr>
<td>Lischinsky, Alicia</td>
<td>94</td>
</tr>
<tr>
<td>Lischke, Alexander</td>
<td>126</td>
</tr>
<tr>
<td>Lisi, Matteo</td>
<td>138</td>
</tr>
<tr>
<td>Lissek, Shmucl M.</td>
<td>45, 46, 70</td>
</tr>
<tr>
<td>Lister, Jennifer J.</td>
<td>101</td>
</tr>
<tr>
<td>Liu, Qing</td>
<td>121</td>
</tr>
<tr>
<td>Liu, Siwei</td>
<td>53</td>
</tr>
<tr>
<td>Liu, Yangyang</td>
<td>113</td>
</tr>
<tr>
<td>Lloyd, William K.</td>
<td>100</td>
</tr>
<tr>
<td>Lobo, Isabelo V.P.</td>
<td>90, 91</td>
</tr>
<tr>
<td>Lombardi, Luigi</td>
<td>97</td>
</tr>
<tr>
<td>Lombardo, Caterina</td>
<td>139</td>
</tr>
<tr>
<td>Loots, Gerrit</td>
<td>107</td>
</tr>
<tr>
<td>Lopera, Francisco</td>
<td>56</td>
</tr>
<tr>
<td>Lopez, Jomar</td>
<td>125</td>
</tr>
<tr>
<td>Lopez, Raúl</td>
<td>130</td>
</tr>
<tr>
<td>López, Vladimir</td>
<td>79, 94</td>
</tr>
<tr>
<td>Lorusso, Barbara</td>
<td>139</td>
</tr>
<tr>
<td>Lotto, Lorella</td>
<td>138</td>
</tr>
<tr>
<td>Loughnane, Ger M.</td>
<td>65</td>
</tr>
<tr>
<td>Lovelace, Christopher T.</td>
<td>102</td>
</tr>
<tr>
<td>Löw, Andreas</td>
<td>125, 126</td>
</tr>
<tr>
<td>Low, Kathy A.</td>
<td>46, 47, 153</td>
</tr>
<tr>
<td>Luijtjen, Maartje</td>
<td>146</td>
</tr>
<tr>
<td>Lukander, Jani</td>
<td>118</td>
</tr>
<tr>
<td>Luke, Steven G.</td>
<td>116</td>
</tr>
<tr>
<td>Lupis, Sarah G.</td>
<td>75</td>
</tr>
<tr>
<td>Lupo, Amber K.</td>
<td>80</td>
</tr>
<tr>
<td>Luria, Roy</td>
<td>138</td>
</tr>
<tr>
<td>Luther, Lisa</td>
<td>31</td>
</tr>
<tr>
<td>Lutz, Annika P.C.</td>
<td>114</td>
</tr>
<tr>
<td>Lwi, Sandy</td>
<td>37</td>
</tr>
<tr>
<td>Lysenko, Nadezhda E.</td>
<td>137</td>
</tr>
<tr>
<td>MacGregor, A.</td>
<td>84</td>
</tr>
<tr>
<td>Machinskaya, Regina I.</td>
<td>85</td>
</tr>
<tr>
<td>Maclin, Edward L.</td>
<td>46, 153</td>
</tr>
<tr>
<td>MacNamara, Annmarie</td>
<td>70</td>
</tr>
<tr>
<td>Magnus, Helgo</td>
<td>142</td>
</tr>
<tr>
<td>Magrini, Massimo</td>
<td>119</td>
</tr>
<tr>
<td>Mah, Yee</td>
<td>147</td>
</tr>
<tr>
<td>Maheux, Manon</td>
<td>42</td>
</tr>
<tr>
<td>Mahmoudzadeh, Mahdi</td>
<td></td>
</tr>
<tr>
<td>Maier, Martin E.</td>
<td>123, 148</td>
</tr>
<tr>
<td>Makechuk, Mukola</td>
<td>114</td>
</tr>
<tr>
<td>Makeig, Scott</td>
<td>160</td>
</tr>
<tr>
<td>Maldonado, Enrique F.</td>
<td></td>
</tr>
<tr>
<td>Malhi, Gin S.</td>
<td>113</td>
</tr>
<tr>
<td>Mallan, Kimberley M.</td>
<td>148</td>
</tr>
<tr>
<td>Malone, Stephen M.</td>
<td>45, 160</td>
</tr>
<tr>
<td>Maner, Jon</td>
<td>106</td>
</tr>
<tr>
<td>Manes, Facundo</td>
<td>68, 93, 94</td>
</tr>
<tr>
<td>Manfredi, Mirella</td>
<td>90</td>
</tr>
<tr>
<td>Manfrinati, Andrea</td>
<td>138</td>
</tr>
<tr>
<td>Mansfield, Elise L.</td>
<td>97</td>
</tr>
<tr>
<td>Maragoto, Carlos</td>
<td>94</td>
</tr>
<tr>
<td>Marcara, Samuele</td>
<td>44</td>
</tr>
<tr>
<td>Marcus, Natania</td>
<td>114</td>
</tr>
<tr>
<td>Marinovic, Welber</td>
<td>148</td>
</tr>
<tr>
<td>Markl, Alexandra</td>
<td>137</td>
</tr>
<tr>
<td>Marques, Ana</td>
<td>83</td>
</tr>
<tr>
<td>Marques-Teixeira, João E.</td>
<td>159, 160</td>
</tr>
<tr>
<td>Martens, Farah</td>
<td>142</td>
</tr>
<tr>
<td>Martens, Ulla</td>
<td>139</td>
</tr>
<tr>
<td>Martin, Frances H.</td>
<td>89, 157</td>
</tr>
</tbody>
</table>
Martín, José Luís Mata  ...74, 155
Martínez-Álvarez, Rafael ..... 147
Martinez-Selva, Jose M. ..... 145, 147
Martins, Joao M. ....... 118
Marzi, Tessa .......... 158
Masanobu, Araki ...........69
Massey, Adreanna T. ....... 70
Masters, Richard ...........68
Mastria, Serena .... 61, 91, 92
Mathalon, Daniel ........ 82
Mathersul, Danielle ..... 93
Mathewson, Karen J. .... 107
Matsumoto, Akihiro ..... 110
Matsumura, Kenta ....... 145
 Matsunaga, Masahiro .....66
Mattia, D. .......... 35
Mattingly, Stephen ....... 76, 135
Matuz, Tamara ....... 77, 85
Mauersberger, Heidi ...... 134
Maurer, James M. ....... 131
Maxfield, Nathan .......... 156
Mayall, James ........... 137
Mayberg, Helen S......... 56
Mayes, Linda C. ....... 141
Mazza, Veronica ........ 42, 97
Mazzi, Chiara ........... 46
McCane, Lynn M. ........ 35
McClernon, F. Joseph .....69
McDonald, Craig G. ....... 119
McDowall, John ......... 103
McDowell, Jennifer E.... 62
McGahey, Savannah ...... 105
McGowan, Sarah K. ..... 32
McGreevy, Catherine ..... 71
McIntyre, David .......... 68
McManis, Mark H. ...... 144
McManus, Jaime ......... 69
McNulty, Tiffany ....... 94
McNut, Matt ........... 88
Md-Salim, Mohd Ali ..... 146
Mecella, M. ........... 35
Meconi, Federica ....... 30, 138
Meiners, J. ......... 101
Meng, Ming ........... 90
Mennin, Douglas ....... 123
Meno, Yuji ........... 110
Mento, Giovanni ....... 138
Merla, Arcangelo ....... 47
Merz, Christian J. ....... 151
Meštrović, Ana Havelka ..... 71
Métzner, Marvin ....... 162
Meyer, Alexandria M. ... 38, 81, 108
Meyer, Susanne ...... 131
Michael, Tanja ....... 98
Michie, Pat ........... 100
Mies, Gabry W. ....... 132
Mikhailova, Elena S. ....... 96
Mill, Robert W. ....... 54
Miller, Gregory A. ..... 86, 103, 104
Miller, Matthew W. ....... 119
Miller, Robert ....... 37
Miller, Rosemarea K. ....... 157
Miltner, Wolfgang H.R. ....... 67, 72, 109, 136
Mingote, José C. ........ 147
Minnix, Jennifer A. ....... 155, 156
Minschew, Reese ....... 69, 71
Miranda, José G.V. ....... 148
Mironova, Vera I. ....... 147
Mirskey, Allan F. ....... 70
Mishima, Kazuo ....... 75
Miskovic, Vladimir ....... 31
Mitrofanov, Andrey A. ....... 93
Mnatsakanian, Elena V. ....... 113, 114
Mobbs, Dean ........... 36
Medina, Amy ........... 124
Medrano, Michael R. ....... 73
Meemken, Marie-Theres ....... 121
Mehusen, Romain ....... 96
Meixner, John B. ....... 78
Melie-García, Lester ....... 131
Mellah, Samira ....... 101
Méndez-Bértolo, Constantino ....... 147
Mendoça-de-Souza, Ana Carolina F. ....... 151
Meng, Ming ....... 90
Mennin, Douglas ....... 123
Meno, Yuji ....... 110
Mento, Giovanni ....... 138
Merla, Arcangelo ....... 47
Merz, Christian J. ....... 151
Meštrović, Ana Havelka ..... 71
Métzner, Marvin ....... 162
Meyer, Alexandria M. ... 38, 81, 108
Meyer, Susanne ...... 131
Michael, Tanja ....... 98
Michie, Pat ........... 100
Mies, Gabry W. ....... 132
Mikhailova, Elena S. ....... 96
Mill, Robert W. ....... 54
Miller, Gregory A. ..... 86, 103, 104
Miller, Matthew W. ....... 119
Miller, Robert ....... 37
Miller, Rosemarea K. ....... 157
Miltner, Wolfgang H.R. ....... 67, 72, 109, 136
Mingote, José C. ........ 147
Minnix, Jennifer A. ....... 155, 156
Minschew, Reese ....... 69, 71
Miranda, José G.V. ....... 148
Mironova, Vera I. ....... 147
Mirskey, Allan F. ....... 70
Mishima, Kazuo ....... 75
Miskovic, Vladimir ....... 31
Mitrofanov, Andrey A. ....... 93
Mnatsakanian, Elena V. ....... 113, 114
Mobbs, Dean ........... 36
Moberg, Christine A...... 49
Mocaiber, Izabela....... 90, 91
Moenne, Cristóbal, .......... 79
Mohanty, Appu .......... 16, 33
Mohr, Alexander............. 108
Molnár, Márk ............ 62, 63
Moltó, Javier............... 130
Mondini, Sara .......... 158
Monsieur, Geert J.Y.J. ... 107
Monti, Elisa .............. 70
Montoro, Casandra....... 87
Moody, Rosie........ 103, 133
Moore, Sierra............... 137
Morales, Lilia M. ....... 85, 94
Moran, Tim P. .......... 87, 161
Moratti, Stephan .......... 24, 25, 147
Moreno-Domínguez, Silvia ..... 149
Morey, Candice C. .... 98
Morgan, Judith K. ....... 80
Moriguchi, Yoshiya... 71, 75
Morimoto, Fumihito ...... 101
Morrison, Robert G. ... 64
Morriss, Jayne .......... 100
Moser, Jason S. .......... 87, 161
Mothes-Lasch, Martin ..... 108, 109
Motomura, Yuki ..... 71, 75
Motschman, Courtney A. .... 49
Much-Hichos, Margaret ..... 76
Mueller, Erik M. ........ 147
Mühlberger, Andreas ..... 31, 58, 98, 99
Mukherjee, Mukul ...... 77
Muldoon, Matthew F. ...... 88
Mullens, Daniel ...... 63
Müller, Felix ............ 151
Müller, Jörg M. ....... 85
Müller, Matthias M. .... 30, 91
Müller, Viktor.......... 163
Müller-Putz, Gernot R. .... 77
Munafò, Marianna ...... 138
Munneke, Jaap........ 97
Muñoz, Cristina J. ...... 87
Muñoz, Miguel A. ..... 48, 149
Murohashi, Harumitsu ..... 109
Murakami, Hiroki ...... 66, 75
Murguiadlay, Ander Ramos ........................................... 77
Murphy, Anthony R. ... 82
Murphy, Peter R. ....... 65
Murphy, Robin A. ....... 46
Murphy, Timothy K...... 82, 105
Musselman, Samuel C. ... 80
Mzayek, Yasmin........ 105

N
Náfrádi, Lilla.......... 117
Nagano, Yuichiro........ 110, 111
Nagels, Guy .......... 96
Nagornova, Zhanna V..... 154
Nakajima, Motohiro...... 78, 128, 156
Nakao, Ayako .......... 110
Nakatani, Chie .......... 61
Narr, Katherine L. ...... 104
Nascimento, Billy E.M. ... 79
Nathan, Pradeep J............ 113
Naumann, Eva........ 43
Naumann, Ewald........ 150, 151
Navaratnam, Nakulan... 44
Neely, Anna Stigsdotter .. 36
Nees, Frauke .......... 70
Nelson, Brady D.......... 32, 48
Nelson, Elizabeth A....... 159
Nelson, Lindsay D....... 130
Nemsadze, Manana M....... 136
Neubert, Jörg........ 126
Neumann, Roland........ 150
Neumeister, Paula........ 108
New, Antonia S. ........ 122
Ng, Jennifer .............. 155
Nguyen, Tam .......... 145
Nicol, Melissa .......... 120
Nicolau, Chrystalleni... 122
Nikolaev, Andrey R. ...... 61
Nissen, Christoph........ 76
Niznikewicz, Michael A... 86
<table>
<thead>
<tr>
<th>Index</th>
<th>179</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nolden, Sophie</td>
<td>125</td>
</tr>
<tr>
<td>Nomura, Shusaku</td>
<td>76</td>
</tr>
<tr>
<td>Noreika, Valdas</td>
<td>145</td>
</tr>
<tr>
<td>Norman, Luke</td>
<td>75</td>
</tr>
<tr>
<td>Norris, Catherine J</td>
<td>99</td>
</tr>
<tr>
<td>Nuechterlein, Keith H</td>
<td>104, 105</td>
</tr>
<tr>
<td>Nussbaum, Nancy</td>
<td>71, 75</td>
</tr>
<tr>
<td>Nusslock, Robin</td>
<td>108</td>
</tr>
<tr>
<td>Nyberg, Lars</td>
<td>36</td>
</tr>
</tbody>
</table>

**O**

| O’Brien, Jennifer L | 101 |
| O’Connell, Redmond G | 65 |
| O’Reilly, Michelle A | 85 |
| O’Sullivan, Michael | 65 |
| O’Toole, Laura J | 123, 124 |
| Oba, Kentaro | 71, 75 |
| Ohgami, Yoshimi | 66 |
| Ohira, Hideki | 66, 79 |
| Ohira, Masako H | 76 |
| Ohla, Kathrin | 42 |
| Oirzl, Melly S | 150 |
| Oka, Takakazu | 75 |
| Okanoya, Kazuo | 163 |
| Okita, Yoshimitsu | 106 |
| Okon-Singer, Hadas | 52, 57, 58, 145 |
| Okun, Michael S | 92 |
| Olason, Daniel | 114 |
| Olino, Thomas M | 80 |
| Oliveira, Letícia | 90, 91 |
| Oliver, Jason | 156 |
| Oliver, William T | 62 |
| Olliges, Amanda | 94 |
| Omori, Shunya | 110 |
| Omori, Yasuko | 102 |
| Oniani, Nikoloz T | 136 |
| Opitz, Philipp C | 100 |
| Ordyan, Natalia E | 147 |
| Orfali, Nadia | 100 |
| Ortega, Rodrigo | 94 |
| Ortega-Roldán, Blanca | 115, 149 |
| Osinsky, Roman | 90, 96 |
| Osokina, Evgeniya S | 160 |
| Osterheider, Michael | 131 |
| Ostroski, Peggy | 131 |
| Osumi, Takahiro | 66, 132 |
| Otani, Satoko | 125 |
| Ottaviani, Cristina | 163 |
| Otte, Christian | 127 |
| Otte, Renée A | 83, 84, 107 |
| Oumelziane, Bele Ait | 131 |
| Outhred, Tim | 107, 113 |
| Owen, Adrian M | 149 |
| Owens, Emily M | 104, 105 |
| Owens, Max | 36, 53 |

**P**

| Pagano, Silvia | 42, 97 |
| Page-Gould, Elizabeth | 123, 128, 129 |
| Paiva, Tiago O | 159, 160 |
| Pakarinen, Satu | 118 |
| Palomba, Daniela | 39, 138, 139 |
| Palumbo, A | 35 |
| Palumbo, Richard | 53 |
| Palva, Satu | 139 |
| Panait, Vanessa | 132 |
| Panayiotou, Georgia | 122 |
| Pandya, Kinjal D | 74 |
| Pané-Farré, Christiane A | 126 |
| Pappens, Meike | 142 |
| Park, Jacob | 105 |
| Park, Jiyoung | 87 |
| Parks, Nathan A | 46, 97 |
| Parsons, Mark | 100 |
| Pastor, María Carmen | 91, 149 |
| Pastore, Massimiliano | 158 |
| Patel, Anjni I | 74 |
| Patel, Rikeen | 105 |
| Patrick, Christopher J | 26, 48, 129, 130 |
| Patron, Elisabetta | 138, 139 |
| Patterson, Karalyn | 149 |
| Pattyn, Nathalie | 96, 107 |
| Paul, Nina | 111 |
| Paul, Sandra | 95 |
| Pauli, Paul | 31, 58, 98, 99 |
| Pavlov, Yuri G | 72 |
Sakoman, Andrea Jambrošić ......................................... 71
Salinas-Rivera, Edgar ........................................ 102
Salisbury, Dean F. ........................................... 82, 105
Salininen, Mikael .............................................. 135
Salomaa, Anna C. .............................................. 97
Salomon, Kristen .............................................. 132, 133
Salt, Alison .......................................................... 85
Saltz, Juliette ...................................................... 75
Salvetti, Ovidio .................................................... 119
Sangozstedt, Susanne ........................................... 134
Sanislow, Charles ................................................. 26
Sanjuan, Ana ....................................................... 118
San Miguel, Iria ................................................... 54
Santandrea, Elisa .................................................. 61
Santesso, Diane L .................................................. 120
Sänger, Johanna .................................................... 163
Sanguinetti, Joseph L ............................................. 73
Sanislow, Charles .................................................. 26
Sanjuan, Ana ....................................................... 118
Santander, Elisa .................................................... 61
Santos, Diana L ..................................................... 120
Santolaria-Rossell, Angelina ..................................... 73
Santos, Ysniel ....................................................... 131
Sarafanova, Ekaterina ........................................... 142
Sarapas, Casey .................................................... 32, 48
Sarlo, Michela ....................................................... 39,
 .......................................................... 115, 138, 139
Saslow, Laura R. .................................................... 37
Sass, Sarah M. ...................................................... 103
Sasso, Scott ........................................................ 122
Sato, Toshihiko ..................................................... 135
Saturn, Sarina R. ................................................... 37
Sauter, Colin ......................................................... 81
Saunders, Blair ..................................................... 141
Savazzi, Silvia ...................................................... 46
Saville, Christopher W.N. .......................................... 160
Sbarra, David ....................................................... 53
Schaaf, Roseann C. .............................................. 93
Schaare, Lina ....................................................... 145
Schabas, Manuel ................................................... 76
Schächinger, Hartmut ........................................... 34,
 .......................................................... 150, 151
Schad, Lothar R. .................................................... 70
Schaefer, Stacey M ................................................ 99
Schaeffer, David J. ............................................... 62
Schnier, Sergei A. .................................................. 64
Scharmüller, Wilfried ............................................ 115
Schel, Margot A. ................................................... 161
Scherer, Klaus R. ................................................... 89
Scherer, Reinhold .................................................. 77
Schettini, F. .......................................................... 35
Schick, Anita ....................................................... 66
Schienle, Anne ..................................................... 115, 116
Schierz, Katharina ................................................ 56
Schilling, Thomas M. ............................................ 34,
 .......................................................... 150
Schindler, Christian .............................................. 92
Schindler, Sebastian ............................................. 117
Schmädlze, Ralf ................................................... 116
Schmeichel, Brandon J ........................................... 43
Schneider, Daniel ................................................. 41, 159
Schneider, Frank ................................................... 31
Schneider-Garces, Nils ........................................... 109
Schneider, Sabrina ................................................ 109
Schneiders-Garcès, Nils ........................................ 153
Schnyer, David M. ............................................... 72
Schofield, Lisa ..................................................... 120
Schöllhorn, Wolfgang I .......................................... 68
Scholte, H. Steven ................................................. 25, 59
Schönfelder, Sandra ............................................. 133
Schönwald, Liane ................................................ 133
Schreiber, Jennifer A ............................................ 128
Schreurs, Karlein .................................................. 137
Schroeder, Hans S. ............................................... 161
Schröger, Erich .................................................... 54
Schubring, David .................................................. 103,
 .......................................................... 104
Schulz, André ....................................................... 34, 150
Schulz, Claudia ................................................... 109
Schulz, Stefan ..................................................... 58
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schupp, Harald T</td>
<td>116</td>
</tr>
<tr>
<td>Schwart, Brian</td>
<td>151</td>
</tr>
<tr>
<td>Schwartz, Richard G</td>
<td>63</td>
</tr>
<tr>
<td>Schwarz, Nicolette F</td>
<td>62</td>
</tr>
<tr>
<td>Schweinberger, Stefan R</td>
<td>56</td>
</tr>
<tr>
<td>Schweizer, Susanne</td>
<td>36</td>
</tr>
<tr>
<td>Schwerdtfeger, Andreas R</td>
<td>74</td>
</tr>
<tr>
<td>Scott, Marcia S</td>
<td>78</td>
</tr>
<tr>
<td>Seams, Jeremy K</td>
<td>141</td>
</tr>
<tr>
<td>Sedano, Maria A. Prats</td>
<td>162</td>
</tr>
<tr>
<td>Seemann, Christopher R</td>
<td>71</td>
</tr>
<tr>
<td>Segalowitz, Sidney J</td>
<td>120</td>
</tr>
<tr>
<td>Segarra, Pilar</td>
<td>130</td>
</tr>
<tr>
<td>Sege, Christopher T</td>
<td>92</td>
</tr>
<tr>
<td>Seidel, Eva-Maria</td>
<td>31</td>
</tr>
<tr>
<td>Seider, Benjamin H</td>
<td>37</td>
</tr>
<tr>
<td>Seiss, Ellen</td>
<td>120, 125</td>
</tr>
<tr>
<td>Selinger, Lenka</td>
<td>118</td>
</tr>
<tr>
<td>Semin, Gün R</td>
<td>134</td>
</tr>
<tr>
<td>Sendecki, Jocelyn A</td>
<td>93</td>
</tr>
<tr>
<td>Senholzi, Keith B</td>
<td>128</td>
</tr>
<tr>
<td>Seo, Dongju</td>
<td>129</td>
</tr>
<tr>
<td>Sessa, Paola</td>
<td>30, 138</td>
</tr>
<tr>
<td>Seymour, Jenessa</td>
<td>153</td>
</tr>
<tr>
<td>Sgromo, Domenico</td>
<td>115</td>
</tr>
<tr>
<td>Shafer, Valerie L</td>
<td>63, 64</td>
</tr>
<tr>
<td>Shah, Dhristi</td>
<td>119</td>
</tr>
<tr>
<td>Shah, Priti</td>
<td>36</td>
</tr>
<tr>
<td>Shankman, Stewart A</td>
<td>32, 48</td>
</tr>
<tr>
<td>Shapiro, David</td>
<td>137</td>
</tr>
<tr>
<td>Sharaev, Maxim G</td>
<td>113</td>
</tr>
<tr>
<td>Sharmar, Leah</td>
<td>127</td>
</tr>
<tr>
<td>Sharot, Tali</td>
<td>57</td>
</tr>
<tr>
<td>Sharples, Amanda E</td>
<td>129</td>
</tr>
<tr>
<td>Shaw, Daniel S</td>
<td>80</td>
</tr>
<tr>
<td>Shelton, Lindsey B</td>
<td>129</td>
</tr>
<tr>
<td>Shemyakina, Natalia V</td>
<td>154</td>
</tr>
<tr>
<td>Shen, Cheng</td>
<td>67, 68</td>
</tr>
<tr>
<td>Sheron, Stephen</td>
<td>83</td>
</tr>
<tr>
<td>Shi, Fang Ying</td>
<td>156</td>
</tr>
<tr>
<td>Shibata, Midori</td>
<td>125</td>
</tr>
<tr>
<td>Shiffrin, Nina</td>
<td>141</td>
</tr>
<tr>
<td>Shih, Huei-Yu</td>
<td>97</td>
</tr>
<tr>
<td>Shinoda, Jun</td>
<td>66</td>
</tr>
<tr>
<td>Shiota, Michelle N</td>
<td>37</td>
</tr>
<tr>
<td>Sholty, Gretchen L</td>
<td>104</td>
</tr>
<tr>
<td>Shusaku, Nomura</td>
<td>72</td>
</tr>
<tr>
<td>Siegle, Greg J</td>
<td>32, 36, 49, 50</td>
</tr>
<tr>
<td>Sigel, Sophie</td>
<td>89</td>
</tr>
<tr>
<td>Sigman, Mariano</td>
<td>68, 149</td>
</tr>
<tr>
<td>Sihvol, Maria</td>
<td>135</td>
</tr>
<tr>
<td>Silton, Rebecca L</td>
<td>64</td>
</tr>
<tr>
<td>Silva, Carolina</td>
<td>145</td>
</tr>
<tr>
<td>Silveira, Celeste</td>
<td>160</td>
</tr>
<tr>
<td>Silvoni, Stefano</td>
<td>162</td>
</tr>
<tr>
<td>Simion, L</td>
<td>35</td>
</tr>
<tr>
<td>Sin, Li</td>
<td>124</td>
</tr>
<tr>
<td>Slabu, Lavinia</td>
<td>118</td>
</tr>
<tr>
<td>Slagter, Heleen A</td>
<td>99, 154</td>
</tr>
<tr>
<td>Slapin, Aurelija</td>
<td>155</td>
</tr>
<tr>
<td>Slavutskaya, Anna V</td>
<td>96</td>
</tr>
<tr>
<td>Slobodskoy-Plusnin, Jaroslav</td>
<td>107</td>
</tr>
<tr>
<td>Smigasiewicz, Kamila</td>
<td>41, 162</td>
</tr>
<tr>
<td>Smit, Marion</td>
<td>146</td>
</tr>
<tr>
<td>Smith, Ezra E</td>
<td>72, 73</td>
</tr>
<tr>
<td>Sobishchanskyi, Sergii</td>
<td>114</td>
</tr>
<tr>
<td>Soder, Heather</td>
<td>82</td>
</tr>
<tr>
<td>Sokka, Laura</td>
<td>118</td>
</tr>
<tr>
<td>Solovjeva, Maruya L</td>
<td>152</td>
</tr>
<tr>
<td>Sommer, Kathrin</td>
<td>122</td>
</tr>
<tr>
<td>Song, Hua</td>
<td>153</td>
</tr>
<tr>
<td>Song, Inkyung</td>
<td>31, 91</td>
</tr>
<tr>
<td>Song, Yan</td>
<td>124</td>
</tr>
<tr>
<td>Sosa, Fernando Lopez</td>
<td>147</td>
</tr>
<tr>
<td>Souza, Gabriela G.L</td>
<td>151</td>
</tr>
<tr>
<td>Souza, Wanderson F</td>
<td>151</td>
</tr>
<tr>
<td>Sparkman, Susanne</td>
<td>101</td>
</tr>
<tr>
<td>Sparks, Johnny V</td>
<td>110</td>
</tr>
<tr>
<td>Speed, Brittany C</td>
<td>115</td>
</tr>
<tr>
<td>Speller, Lassiter F</td>
<td>74</td>
</tr>
<tr>
<td>Spence, Tamara E</td>
<td>34</td>
</tr>
<tr>
<td>Spielberg, Jeffrey M</td>
<td>86</td>
</tr>
<tr>
<td>Spinhoven, Philip</td>
<td>50</td>
</tr>
<tr>
<td>Name</td>
<td>References</td>
</tr>
<tr>
<td>-----------------------</td>
<td>------------</td>
</tr>
<tr>
<td>Spironelli, Chiara</td>
<td>39, 138</td>
</tr>
<tr>
<td>Springer, Anne</td>
<td>134</td>
</tr>
<tr>
<td>Spronk, Desiree B</td>
<td>141</td>
</tr>
<tr>
<td>Staiano, Walter</td>
<td>44</td>
</tr>
<tr>
<td>Stange, Maike</td>
<td>108</td>
</tr>
<tr>
<td>Stanley, Emily M.</td>
<td>123</td>
</tr>
<tr>
<td>Stark, Rudolf</td>
<td>37, 82, 151</td>
</tr>
<tr>
<td>Starr, Mark J.</td>
<td>49</td>
</tr>
<tr>
<td>Stefanou, Marialena</td>
<td>160</td>
</tr>
<tr>
<td>Stiegagno, Luciano</td>
<td>39, 139</td>
</tr>
<tr>
<td>Steiger, Frauke</td>
<td>70</td>
</tr>
<tr>
<td>Steinberg, Christian</td>
<td>143</td>
</tr>
<tr>
<td>Steiner, Genevieve Z</td>
<td>89, 133, 162</td>
</tr>
<tr>
<td>Steinhauser, Marco</td>
<td>122, 123</td>
</tr>
<tr>
<td>Steemmler, Gerhard</td>
<td>38</td>
</tr>
<tr>
<td>Steppacher, Inga</td>
<td>117</td>
</tr>
<tr>
<td>Steerr, Annette</td>
<td>76, 120, 125</td>
</tr>
<tr>
<td>Stewart, Laura F</td>
<td>89</td>
</tr>
<tr>
<td>Stieger, Stefan</td>
<td>111</td>
</tr>
<tr>
<td>Stöckel, Cornelia</td>
<td>143</td>
</tr>
<tr>
<td>Stout, Daniel M.</td>
<td>52</td>
</tr>
<tr>
<td>Strange, Bryan</td>
<td>147</td>
</tr>
<tr>
<td>Straube, Thomas</td>
<td>108, 109</td>
</tr>
<tr>
<td>Strauss, Carla</td>
<td>134</td>
</tr>
<tr>
<td>Streihow, Janine</td>
<td>117</td>
</tr>
<tr>
<td>Strelzyk, Florian</td>
<td>151</td>
</tr>
<tr>
<td>Strickland, Casey M.</td>
<td>129</td>
</tr>
<tr>
<td>Struck, Anne-Marie</td>
<td>126</td>
</tr>
<tr>
<td>Su, Jen-Ying</td>
<td>68</td>
</tr>
<tr>
<td>Su, Yuling</td>
<td>139, 140</td>
</tr>
<tr>
<td>Subotnik, Kenneth L.</td>
<td>104, 105</td>
</tr>
<tr>
<td>Sugarman, Laurence I.</td>
<td>72</td>
</tr>
<tr>
<td>Sugimoto, Fumie</td>
<td>101</td>
</tr>
<tr>
<td>Sugiuara, Toshifumi</td>
<td>106</td>
</tr>
<tr>
<td>Sulykos, István</td>
<td>63, 161</td>
</tr>
<tr>
<td>Sumarroca-Hernández, Xavi</td>
<td>73</td>
</tr>
<tr>
<td>Summers, Angela C.</td>
<td>70</td>
</tr>
<tr>
<td>Sundin, Örjan</td>
<td>148</td>
</tr>
<tr>
<td>Sutton, Bradley P.</td>
<td>86, 153</td>
</tr>
<tr>
<td>Swanner, Jessica K.</td>
<td>79</td>
</tr>
<tr>
<td>Sweeney, John A.</td>
<td>62</td>
</tr>
<tr>
<td>Syrjänen, Elmeri</td>
<td>146</td>
</tr>
<tr>
<td>Szalárdy, Orsolya</td>
<td>96</td>
</tr>
<tr>
<td>Szücs, Dénes</td>
<td>162</td>
</tr>
<tr>
<td>Tako, Isabel</td>
<td>157</td>
</tr>
<tr>
<td>Tack, Jan</td>
<td>142</td>
</tr>
<tr>
<td>Tadel, Francois</td>
<td>24, 25</td>
</tr>
<tr>
<td>Taira, Rina</td>
<td>111</td>
</tr>
<tr>
<td>Takacs, Endre</td>
<td>161</td>
</tr>
<tr>
<td>Takahashi, Isao</td>
<td>106</td>
</tr>
<tr>
<td>Takahiro, Matsutake</td>
<td>69</td>
</tr>
<tr>
<td>Takayuki, Sugo</td>
<td>69</td>
</tr>
<tr>
<td>Takeda, Yuji</td>
<td>63</td>
</tr>
<tr>
<td>Takeno, Kyosuke</td>
<td>110</td>
</tr>
<tr>
<td>Taler, Vanessa</td>
<td>158, 159</td>
</tr>
<tr>
<td>Tamborino, Tiago</td>
<td>158</td>
</tr>
<tr>
<td>Tan, Chin-Hong</td>
<td>47, 153</td>
</tr>
<tr>
<td>Tanaka, Gohichi</td>
<td>145</td>
</tr>
<tr>
<td>Tang, David</td>
<td>144</td>
</tr>
<tr>
<td>Tang, Rongxiang</td>
<td>153</td>
</tr>
<tr>
<td>Tang, Yi-Yuan</td>
<td>67, 127, 152, 153</td>
</tr>
<tr>
<td>Tapia, Evelina</td>
<td>46</td>
</tr>
<tr>
<td>Tarvainen, Mika</td>
<td>135</td>
</tr>
<tr>
<td>Tate, Jonathan</td>
<td>73</td>
</tr>
<tr>
<td>Tavakoli, Paniz</td>
<td>161</td>
</tr>
<tr>
<td>Taylor, Alexander N.W.</td>
<td>100</td>
</tr>
<tr>
<td>Taylor, Britany K.</td>
<td>35, 105</td>
</tr>
<tr>
<td>Tays, William J.</td>
<td>120</td>
</tr>
<tr>
<td>Teachman, Bethany A.</td>
<td>142</td>
</tr>
<tr>
<td>Teixeira, Catia P.</td>
<td>159</td>
</tr>
<tr>
<td>Tekok-Kilic, Ayda</td>
<td>120</td>
</tr>
<tr>
<td>Tenke, Craig E.</td>
<td>103</td>
</tr>
<tr>
<td>Teper, Rimma</td>
<td>123</td>
</tr>
<tr>
<td>Terasawa, Yuri</td>
<td>71, 75, 125</td>
</tr>
<tr>
<td>Tessel, Carol</td>
<td>64</td>
</tr>
<tr>
<td>Thayer, Julian F.</td>
<td>16, 33, 74</td>
</tr>
<tr>
<td>Thees, Monique</td>
<td>126</td>
</tr>
<tr>
<td>Themanson, Jason R.</td>
<td>128</td>
</tr>
<tr>
<td>Thoma, Myriam V.</td>
<td>75</td>
</tr>
<tr>
<td>Thompson, Ivy A.</td>
<td>105</td>
</tr>
<tr>
<td>Tibon, Roni</td>
<td>124</td>
</tr>
<tr>
<td>Tishby, Naftali</td>
<td>54</td>
</tr>
<tr>
<td>Tochizawa, Saiko</td>
<td>125</td>
</tr>
</tbody>
</table>
Index 185

Todd, Juanita .......... 54, 63
Todman, McWelling......71
Toepel, Ulrike............42
Tojo, Yurie .............110
Tokowicz, Natasha .......64
Toledano, Rafael ...... 147
Töllner, Thomas........42
Tomio, Ailin ............68
Tomova, Livia ..........124, 156
Tooley, Michael D......103,
Toorvala, Teresa .........94
Torrente, Ginesa .......135, 147
Torrents-Rodas, David ...45
Torrubia, Rafael ...... 108,
Torto, Diana .............136
Töth, Brigitta ..........62, 63
Toyama, Asako ...........66
Trapaga, Otto ............94
Tritt, Shona M. ...... 123
Tröger, Christian ......98
Tromp, Do ...............100
Trujillo-Barreto, Nelson ..54
Tsuji, Koki .............132
Tu, Yu-Long ............68
Tucker, Don M. ..........17,
Tvark, Sara V. ..........108,
Tuschen-Caffier, Brunna ..43
Twomey, Deirdre .......65

V

Vaidyanathan, Uma ......45,
Valait, Dieter ...........39, 82, 151
Valancova, Katarina ......106
Valdes, Annette ..........56
Valdes-Sosa, Mitchell ......56,
Van Bavel, Jay J. ...... 50, 127
Van Cleave, Treva C ....71
van de Vijver, Irene .......154
van de Wetering, Ben J.M.
Van den Bergh, Bea R.H.M.
Van den Bergh, Omer
Van den Brink, Ruud L.
Van der Heuvel, Marion I.
Van der Lubbe, Rob ....137
van der Molen, Maurits W.
Van der Veen, Frederik M.
van der Wal, Julieëtte J.M.
Van Diest, Ilse ....... 55,
van Dongen, Josanne ...146
van Driel, Joram .......154
van Dyck, Zoë .......114
van Es, Daan ............154
Van Hooff, Johanna C. ....80
Van Kempen, Jochem ....154
van Leeuwen, Cees .......61
Van Lieshout, Ryan J. ....107
Van Oudenhove, Lukas
Van Peer, Jacobien M. ...
van Puyvelde, Martine ...

U

Übel, Sonja ............115
Ueda, Kazutaka ........ 110
Ullsperger, Markus ...58,
Ullsperger, Markus .... 113
Ulrich, Martin ...... 153, 157
Ulrich, Natalie ........96
Umeda, Satoshi .......71,
Umeda, Satoshi .......125, 132
Umekubo, Kelsi A .......105
Unemoto, Akina ......161
Unbehaun, Thomas .......76
Urry, Heather L .......100
<table>
<thead>
<tr>
<th>Name</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>van Reekum, Carien M.</td>
<td>16, 33, 99, 100</td>
</tr>
<tr>
<td>Van Rensburg, Kate Janse</td>
<td>156</td>
</tr>
<tr>
<td>Van Rijn, Hedderik</td>
<td>98</td>
</tr>
<tr>
<td>van Steenberg, Henk</td>
<td>101</td>
</tr>
<tr>
<td>Van Strien, Jan W.</td>
<td>146</td>
</tr>
<tr>
<td>Van Well, Sonja</td>
<td>25</td>
</tr>
<tr>
<td>Vanlessen, Naomi</td>
<td>30, 140</td>
</tr>
<tr>
<td>Vanman, Eric J.</td>
<td>127</td>
</tr>
<tr>
<td>Vansteenwegen, Debora</td>
<td>48</td>
</tr>
<tr>
<td>Vanuk, John</td>
<td>73</td>
</tr>
<tr>
<td>Vanutelli, Maria E.</td>
<td>90</td>
</tr>
<tr>
<td>Vargas, Claudia D.</td>
<td>90</td>
</tr>
<tr>
<td>Varriale, Vincenzo</td>
<td>136</td>
</tr>
<tr>
<td>Vaschillo, Bronya</td>
<td>145</td>
</tr>
<tr>
<td>Vaschillo, Evgeny G.</td>
<td>145</td>
</tr>
<tr>
<td>Vaughan, Theresa M.</td>
<td>35</td>
</tr>
<tr>
<td>Vega, Mayrim</td>
<td>93</td>
</tr>
<tr>
<td>Venables, Noah C.</td>
<td>129, 130</td>
</tr>
<tr>
<td>Ventura, Carlos</td>
<td>130</td>
</tr>
<tr>
<td>Ventura, Joseph</td>
<td>104</td>
</tr>
<tr>
<td>Ventura-Campos, Noelia</td>
<td>118</td>
</tr>
<tr>
<td>Verdejo-Garcia, Antonio</td>
<td>73</td>
</tr>
<tr>
<td>Vergara, Rodrigo C.</td>
<td>79</td>
</tr>
<tr>
<td>Verkes, Robbert J.</td>
<td>141</td>
</tr>
<tr>
<td>Verleger, Rolf</td>
<td>41, 162</td>
</tr>
<tr>
<td>Versace, Francesco</td>
<td>155, 156</td>
</tr>
<tr>
<td>Vesper, Sandra</td>
<td>137</td>
</tr>
<tr>
<td>Vespignani, Francesco</td>
<td>158</td>
</tr>
<tr>
<td>Vidal, Belkis</td>
<td>94</td>
</tr>
<tr>
<td>Vidal, Nancy</td>
<td>64</td>
</tr>
<tr>
<td>Vieira, Joana B.</td>
<td>159, 160</td>
</tr>
<tr>
<td>Viganò, Simone</td>
<td>90</td>
</tr>
<tr>
<td>Vigetti, Sergio</td>
<td>136</td>
</tr>
<tr>
<td>Viggiano, Maria Pia</td>
<td>158</td>
</tr>
<tr>
<td>Viik, Jari</td>
<td>135</td>
</tr>
<tr>
<td>Vila, Jaime C.</td>
<td>56, 57, 148, 149</td>
</tr>
<tr>
<td>Villano, Michael</td>
<td>76, 135</td>
</tr>
<tr>
<td>Villringer, Arno</td>
<td>145</td>
</tr>
<tr>
<td>Vincelette, Tara M.</td>
<td>106</td>
</tr>
<tr>
<td>Violani, Cristiano</td>
<td>139</td>
</tr>
<tr>
<td>Virgillito, Alessandra</td>
<td>119</td>
</tr>
<tr>
<td>Visser, Renée M.</td>
<td>25</td>
</tr>
<tr>
<td>Vlaeyen, Johan W.S.</td>
<td>142, 143</td>
</tr>
<tr>
<td>Voelcker-Rehage, Claudia</td>
<td>88</td>
</tr>
<tr>
<td>Vogel, Dominik</td>
<td>137</td>
</tr>
<tr>
<td>Vogele, Claus</td>
<td>114</td>
</tr>
<tr>
<td>Volchan, Eliane</td>
<td>90, 91, 151</td>
</tr>
<tr>
<td>Vollmayr, Barbara</td>
<td>66</td>
</tr>
<tr>
<td>Volosin, Marta</td>
<td>119</td>
</tr>
<tr>
<td>Volpato, Chiara</td>
<td>162</td>
</tr>
<tr>
<td>von Leupoldt, Andreas</td>
<td>143</td>
</tr>
<tr>
<td>Vossel, Gerhard</td>
<td>120</td>
</tr>
<tr>
<td>Vousdoukas, Michalis I</td>
<td>149</td>
</tr>
<tr>
<td>Vrana, Scott R.</td>
<td>69, 142</td>
</tr>
<tr>
<td>Vujovic, Lara</td>
<td>100</td>
</tr>
<tr>
<td>Vyas, Natasha A.</td>
<td>64</td>
</tr>
<tr>
<td>Vyazovtseva, Alyona A.</td>
<td>160</td>
</tr>
<tr>
<td>Wagongne, Catherine</td>
<td>54</td>
</tr>
<tr>
<td>Waldorp, Lourens</td>
<td>59</td>
</tr>
<tr>
<td>Walitzer, Kimberly S.</td>
<td>90</td>
</tr>
<tr>
<td>Walker, Breya</td>
<td>105</td>
</tr>
<tr>
<td>Waller, Christiane</td>
<td>153</td>
</tr>
<tr>
<td>Wallois, Fabrice</td>
<td>46</td>
</tr>
<tr>
<td>Walshe, Calen</td>
<td>157</td>
</tr>
<tr>
<td>Walter, Bertram</td>
<td>82</td>
</tr>
<tr>
<td>Wang, Diana</td>
<td>75</td>
</tr>
<tr>
<td>Wang, Fang</td>
<td>124</td>
</tr>
<tr>
<td>Wang, Yan</td>
<td>127</td>
</tr>
<tr>
<td>Wang, Yiwen</td>
<td>123</td>
</tr>
<tr>
<td>Wang, You</td>
<td>140</td>
</tr>
<tr>
<td>Waning, Yvonne</td>
<td>143</td>
</tr>
<tr>
<td>Wankerl, Matthias</td>
<td>37</td>
</tr>
<tr>
<td>Wanmaker, Sabine</td>
<td>132</td>
</tr>
<tr>
<td>Warren, Christopher M.</td>
<td>141</td>
</tr>
<tr>
<td>Wascher, Edmund</td>
<td>41, 159</td>
</tr>
<tr>
<td>Watanabe, Shota</td>
<td>110, 111</td>
</tr>
<tr>
<td>Waters, Allison C.</td>
<td>132</td>
</tr>
<tr>
<td>Waters, Andrew J.</td>
<td>156</td>
</tr>
<tr>
<td>Watson, Maria</td>
<td>144</td>
</tr>
<tr>
<td>Waugh, Christian E.</td>
<td>162</td>
</tr>
<tr>
<td>Index</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>---</td>
</tr>
<tr>
<td>Waxman, Jordana A</td>
<td>107</td>
</tr>
<tr>
<td>Weber, Carolin</td>
<td>126</td>
</tr>
<tr>
<td>Webster-Stratton, Carolyn</td>
<td>94</td>
</tr>
<tr>
<td>Weed, Keri</td>
<td>88</td>
</tr>
<tr>
<td>Wegerer, Melanie</td>
<td>76</td>
</tr>
<tr>
<td>Wegrzyn, Martin</td>
<td>117</td>
</tr>
<tr>
<td>Wehrum, Sina</td>
<td>82</td>
</tr>
<tr>
<td>Weihe, Almut</td>
<td>126</td>
</tr>
<tr>
<td>Weinberg, Anna</td>
<td>38, 81, 157</td>
</tr>
<tr>
<td>Weisz, Nathan</td>
<td>104</td>
</tr>
<tr>
<td>Welch, Shelby</td>
<td>94</td>
</tr>
<tr>
<td>Welo, Evan J</td>
<td>45</td>
</tr>
<tr>
<td>Weltens, Nathalie</td>
<td>142</td>
</tr>
<tr>
<td>Wendt, Julia</td>
<td>126</td>
</tr>
<tr>
<td>Werheid, Katja</td>
<td>134</td>
</tr>
<tr>
<td>Werner, Gabriela G</td>
<td>76</td>
</tr>
<tr>
<td>Wessa, Michèle</td>
<td>66, 133</td>
</tr>
<tr>
<td>Wessing, Ida</td>
<td>85</td>
</tr>
<tr>
<td>Westmark, David R</td>
<td>88, 89</td>
</tr>
<tr>
<td>Westphal, Nicole</td>
<td>162</td>
</tr>
<tr>
<td>Wetter, David W</td>
<td>155</td>
</tr>
<tr>
<td>Weymar, Mathias</td>
<td>91, 125, 126</td>
</tr>
<tr>
<td>Whitson, Lisa R</td>
<td>63</td>
</tr>
<tr>
<td>Wichary, Szymon</td>
<td>61</td>
</tr>
<tr>
<td>Wicking, Manon</td>
<td>70</td>
</tr>
<tr>
<td>Widmann, Andreas</td>
<td>54</td>
</tr>
<tr>
<td>Wiemer, Julian</td>
<td>58, 98</td>
</tr>
<tr>
<td>Wienbruch, Christian</td>
<td>103, 104</td>
</tr>
<tr>
<td>Wiens, Stefan</td>
<td>146</td>
</tr>
<tr>
<td>Wiersema, Jan R</td>
<td>140</td>
</tr>
<tr>
<td>Wieser, Matthias J</td>
<td>31, 98, 99, 143</td>
</tr>
<tr>
<td>Wiggert, Nicole</td>
<td>156</td>
</tr>
<tr>
<td>Wilhelm, Frank H</td>
<td>31, 32, 76, 156</td>
</tr>
<tr>
<td>Wilisz, Dominika</td>
<td>96</td>
</tr>
<tr>
<td>Wille, Richard</td>
<td>145</td>
</tr>
<tr>
<td>Williams, DeWayne P</td>
<td>74</td>
</tr>
<tr>
<td>Williams, Terrance J</td>
<td>104</td>
</tr>
<tr>
<td>Williams, Victoria</td>
<td>101</td>
</tr>
<tr>
<td>Williford, Kelsey L</td>
<td>72</td>
</tr>
<tr>
<td>Winden, Stefan</td>
<td>35</td>
</tr>
<tr>
<td>Wingenfeld, Katja</td>
<td>127</td>
</tr>
<tr>
<td>Winkler, István</td>
<td>54, 63, 83, 84, 96</td>
</tr>
<tr>
<td>Winkler, Markus H</td>
<td>99</td>
</tr>
<tr>
<td>Winneke, Axel H</td>
<td>88</td>
</tr>
<tr>
<td>Winograd, Michael R</td>
<td>78</td>
</tr>
<tr>
<td>Wirkner, Janine</td>
<td>125</td>
</tr>
<tr>
<td>Wiskop, Nirit</td>
<td>102</td>
</tr>
<tr>
<td>Wittmers, Lorentz</td>
<td>78</td>
</tr>
<tr>
<td>Wittnebert, Melissa</td>
<td>71</td>
</tr>
<tr>
<td>Wlotko, Edward W</td>
<td>157</td>
</tr>
<tr>
<td>Woermann, Friedrich</td>
<td>117</td>
</tr>
<tr>
<td>Wolf, Jutta M</td>
<td>75</td>
</tr>
<tr>
<td>Wolf, Maor Zeev</td>
<td>136</td>
</tr>
<tr>
<td>Wolf, Oliver T</td>
<td>151</td>
</tr>
<tr>
<td>Wolpaw, Jonathan R</td>
<td>35</td>
</tr>
<tr>
<td>Wood, Sarah E</td>
<td>28, 79</td>
</tr>
<tr>
<td>Wörsching, Jana</td>
<td>88</td>
</tr>
<tr>
<td>Wright, Rex A</td>
<td>43</td>
</tr>
<tr>
<td>Wu, Bin</td>
<td>121</td>
</tr>
<tr>
<td>Wu, Jia</td>
<td>141</td>
</tr>
<tr>
<td>Wu, Lingdan</td>
<td>99</td>
</tr>
<tr>
<td>Wu, Mengying</td>
<td>121</td>
</tr>
<tr>
<td>Wu, Wen-Lan</td>
<td>97</td>
</tr>
<tr>
<td>Wu, Yanjing</td>
<td>64</td>
</tr>
<tr>
<td>Wu, Yi-bo</td>
<td>153</td>
</tr>
<tr>
<td>Wyczesany, Miroslaw</td>
<td>65, 133</td>
</tr>
<tr>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Xin, Xiu</td>
<td>127, 152</td>
</tr>
<tr>
<td>Xiong, Kue</td>
<td>103</td>
</tr>
<tr>
<td>Xi, Lichao</td>
<td>121</td>
</tr>
<tr>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Yakub, Krista G</td>
<td>82</td>
</tr>
<tr>
<td>Yamada, Jitsuhiro</td>
<td>66</td>
</tr>
<tr>
<td>Yamakawa, Kaori</td>
<td>66</td>
</tr>
<tr>
<td>Yan, Li-rong</td>
<td>153</td>
</tr>
<tr>
<td>Yancey, James R</td>
<td>129, 130</td>
</tr>
<tr>
<td>Yang, Xiaofang</td>
<td>90</td>
</tr>
<tr>
<td>Yaroslavsky, Ilya</td>
<td>132</td>
</tr>
<tr>
<td>Yates, Michael E</td>
<td>161</td>
</tr>
<tr>
<td>Yee, Cindy M</td>
<td>104, 105</td>
</tr>
<tr>
<td>Yen, Nai-Shing</td>
<td>65</td>
</tr>
<tr>
<td>Yekyelis, Leo</td>
<td>109</td>
</tr>
<tr>
<td>Ying, Cai</td>
<td>124</td>
</tr>
<tr>
<td>Yordanova, Juliana</td>
<td>120</td>
</tr>
<tr>
<td>Yoshimura, Yuko</td>
<td>125</td>
</tr>
<tr>
<td>Yu, Yan H</td>
<td>64</td>
</tr>
</tbody>
</table>
Yuan, Bo ...................... 123
Yuan, Jie ...................... 90

Z

Zaccara, Gaetano ........... 158
Zaldivar, Marilyn........... 85, 94
Zambrano-Vazquez, Laura
......................................... 73
Zane, Emily ................... 63
Zárate, Michael A. .......... 80
Zarnowiec, Katarzyna .... 117
Zeitlin, Debra ............... 35
Zeng, Xiao-hua .............. 153
Zhang, Haoyun .............. 64
Zhang, Wenjuan.............. 121

Zhang, Xinwei .............. 150
Zhong, Xiang ............... 124
Zhou, Renlai ............... 121
Zhu, Lixin .................... 153
Zima, Igor ................. 114
Zimmerer, Sylvia ........... 116
Zimmerman, Benjamin ..... 
......................................... 47, 153
Zimmermann, Jörg ......... 121
Zimmermann, Ronan ....... 92
Zisner, Aimee ............... 94
Zorab, Emma ................. 44
Zorzi, Marco ................. 138
Zuhong, Lu ................... 113
Zwanzger, Peter ............ 143
Tuesday, October 1
8:30 A.M.–4:30 P.M., SALA ADUA 1 – Primo Piano (First Floor), PDA, Pre-Conference Workshop #1, ADVANCED EEG AND MEG DATA ANALYSIS: CORTICAL SOURCE IMAGING USING BRAINSTORM AND SPM8; A HANDS-ON TRAINING (Day One)

Wednesday, October 2
8:30 A.M.–4:30 P.M., SALA ADUA 1 – Primo Piano (First Floor), PDA, Pre-Conference Workshop #1, ADVANCED EEG AND MEG DATA ANALYSIS: CORTICAL SOURCE IMAGING USING BRAINSTORM AND SPM8; A HANDS-ON TRAINING (Day Two)

Thursday, October 3
7:15 A.M.–5:15 P.M., PIAZZA ADUA (Main Entrance), Registration Open
8:30 A.M.–8:45 A.M., AUDITORIUM (Lower Level), PDC, Welcome and Introductory Remarks, Alfons O. Hamm
8:45 A.M.–9:45 A.M., AUDITORIUM (Lower Level), PDC, Invited Address, PLACEBO RESPONSES IN THE BRAIN, Fabrizio Benedetti
9:45 A.M.–10:30 A.M., CAVANIGLIA PAVILION, Fortezza Da Basso Building, Refreshment Break
9:45 A.M.–7:30 P.M., CAVANIGLIA PAVILION, Fortezza Da Basso Building, Exhibits Open
10:30 A.M.–12:00 noon, PIANO INFERIORE (Lower Floor – Basement), PDA, Symposium 1.1, THAT MAN BEHIND THE CURTAIN: THE COGNITIVE PSYCHOPHYSIOLOGY OF ATTENTION CAPTURE BY SALIENT DISTRACTORS
10:30 A.M.–12:00 noon, PIANO TERRA (Ground Floor), PDA, Symposium 1.2, EMOTIONAL FACE PROCESSING
10:30 A.M.–12:00 noon, SALA CENTRALE – Secondo Piano (Main Hall – Second Floor), PDA, Symposium 1.3, REWARD PROCESSING DYSFUNCTION IN DEPRESSION: FROM ANTICIPATION, TO CONSUMMATION, TO MEMORY
12:00 noon–1:30 P.M., Lunch (on your own)
12:00 noon–1:30 P.M., SALA CENTRALE – Primo Piano (Main Hall – First Floor), PDA, Education and Training Committee Roundtable Discussions (Pre-Registration required.)
1:30 P.M.–3:00 P.M., PIANO INFERIORE Lower Floor – Basement, PDA, Symposium 2.1, TESTING THE “PROTECTION OF PREPULSE PROCESSING” HYPOTHESIS OF STARTLE INHIBITION
1:30 P.M.–3:00 P.M., PIANO TERRA (Ground Floor), PDA, Symposium 2.2, TRANSLATIONAL RESEARCH ON BRAIN COMPUTER INTERFACES (BCI): FROM THE LAB TO THE HOME
1:30 P.M.–3:00 P.M., SALA CENTRALE – Secondo Piano (Main Hall – Second Floor), PDA, Symposium 2.3, PATHWAYS TO INTERVENTION: THE IMPACT AND MECHANISMS OF WORKING MEMORY TRAINING
3:00 P.M.–3:45 P.M., CAVANIGLIA PAVILION, Fortezza Da Basso Building, Refreshment Break
3:45 P.M.–5:15 P.M., PIANO INFERIORE (Lower Floor – Basement), PDA, Symposium 3.1, NEW FRONTIERS IN RESEARCH ON THE NEUROGENETIC SOURCES OF EMOTIONAL AND STRESS REACTIVITY
3:45 P.M.–5:15 P.M., PIANO TERRA (Ground Floor), PDA, Symposium 3.2, THE FEELING OF SELF-CONTROL: AVERSIVE AFFECT AS AN INTEGRAL PART OF COGNITIVE CONTROL
3:45 P.M.–5:15 P.M., SALA CENTRALE – Secondo Piano (Main Hall – Second Floor), PDA, Symposium 3.3, KEEPING THE BODY IN MIND: POSTURAL AND CARDIOVASCULAR INFLUENCES ON BEHAVIOR AND COGNITION
5:15 P.M.–5:30 P.M., Break
5:30 P.M.–7:30 P.M., CAVANIGLIA PAVILION, Fortezza Da Basso Building, Poster Session II, Exhibits Open.
7:45 P.M.–9:45 P.M., SALA ADUA 2 – Secondo Piano (Second Floor), PDA, Early Career Conversation Hour (Pre-registration required.)

Friday, October 4
8:00 A.M.–4:00 P.M., PIAZZA ADUA (Main Entrance), Registration Open
8:30 A.M.–10:15 A.M., PIANO INFERIORE (Lower Floor – Basement), PDA, Symposium 4.1, SELECTING TARGETS AND GETTING DISTRACTED: N2PC AND THE DYNAMICS OF ATTENTION