71st Annual Scientific Meeting
March 13-16, 2013

IMPACT AND INNOVATION

InterContinental Miami
Miami, FL, USA
Welcome to Miami!

Welcome to the 71st Annual Meeting of the American Psychosomatic Society in Miami, Florida. This year’s meeting, “Impact and Innovation” features the very best original research being conducted in our field, with an emphasis on exciting new directions in translational research, its impact on clinical practice, and its promise for public health and policy. Under the leadership of Suzanne Segerstrom, the Program Committee has, once again, done a spectacular job of putting together an exciting program. This was no easy task given the number and diversity of submissions! Programming each day begins with Wellness Sessions and closes with our signature Poster Sessions - in between, we’ll be treated to stimulating plenary presentations, oral paper sessions, symposia and roundtables that will challenge how we think about and conduct our own work, whether that work is in a laboratory, a clinic, or some other novel setting. There truly is something on the program for everyone, irrespective of discipline, focus, or where you are on your career trajectory.

Of course, our 2013 meeting is also set in a vibrant and cosmopolitan city. Whether you’re interested in beaches, food, art, music, shopping, or the Latin culture, Miami will not disappoint. As a former Miamian, I appreciate her temptations. I hope you are able to find a way to enjoy what Miami has to offer while also soaking in the science and promise of the work presented at this very special meeting.

In closing, I would like to offer a special welcome to those of you attending your first APS meeting and to the trainees, who work so hard to be able to attend this meeting. To those of you who are here for the first time and are not sure if this is the right meeting/society for you, I have no doubt that you will find interesting people to interact with about your work. The size and organization of our meeting are designed to foster interactions among researchers and clinicians across the translational “bench to bedside” spectrum. The content of work presented here, too, represents our society’s unique mission “to promote and advance the scientific understanding and multidisciplinary integration of biological, psychological, behavioral and social factors in human health and disease.” To those of you who are trainees, whether you are an undergraduate, graduate or medical student or whether you are a postdoctoral scholar, poised to launch your independent career, please know that you are highly valued by the members and leaders of this society. Our society’s investment in you is tangibly evidenced by the Young Scholar Awards, trainee-specific programming, the Mentor-Mentee Reception, and this year’s Young Investigator Colloquium. You can also see this “investment” in the level of engaged discussion among lauded scientists and clinicians and trainees during our evening Poster Sessions. It is your scientific contributions and your dedication to our society that represent the future of our field and the future of our society. At some point in their careers, all of the men and women you will meet here over the next few days took the important step of attending their first APS meeting. Most who attend our meeting become members. Most will tell you that APS is their “scientific home.” As President of APS, I hope that you will find the work exciting, the people welcoming, and our society a place that you, too, can call “home.”

Welcome! Bienvenidos!

--Tica

Meeting Objectives
At the conclusion of this meeting, participants will be able to:

1. Describe methodologies that lead to high-impact and high-innovation research.
2. Understand issues of assessment and treatment and outcomes associated with medical-psychiatric comorbidities.
3. Learn cutting-edge central and peripheral neurobiological approaches to psychosomatic medicine and health psychology.

Suzanne C. Segerstrom, PhD
Program Chair
Meeting Information

About APS
The American Psychosomatic Society is an international organization devoted to biopsychosocial research and integrated clinical care, and to providing a forum via its Annual Meeting and journal, *Psychosomatic Medicine*, for sharing this research. Its members are from around the world, including specialists from all medical and health-related disciplines, the behavioral sciences, and the social sciences. Membership information is available at the APS Registration Desk.

Appreciation
APS would like to thank the following for their financial contributions to the success of this meeting: Donald Oken, MD; the friends and family of Patricia R. Barchas, PhD; the friends and family of Herbert Weiner, MD; Richard D. Lane, MD, PhD, and the friends and family of Paul D. MacLean, MD; the National Institutes of Health; and the *British Journal of Health Psychology*.

Continuing Education
Physicians
Accreditation Statement This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the Institute for the Advancement of Human Behavior (IAHB) and the American Psychosomatic Society (APS). The IAHB is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement The IAHB designates this live activity for a maximum of 23.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Psychologists
This course is co-sponsored by Amedco and APS. Amedco is approved by the American Psychological Association to sponsor continuing education for psychologists. Amedco maintains responsibility for this program and its content. This activity has been approved for up to 23.25 credit hours.

Satisfactory Completion Participants must complete an attendance/evaluation form in order to receive a certificate of completion/attendance. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available.

Book and Journal Showcase
Among the benefits of APS membership are the opportunities to display your published books or journals at the meeting. A book display table will be available in the registration area where you may display a copy of publications edited or authored by you. Please note: All publications (and the security for them) are the responsibility of the person displaying them.

Job Board
An opportunity available to all members during the Annual Meeting is the “Positions Available Networking Board.” Recognizing that members seeking positions and members seeking to fill positions use the Annual Meeting as a time to generate leads, interviews, and make hiring decisions, we have arranged for a special bulletin board in the registration area for “positions available” and “positions desired” announcements. Whether you are hiring for an open position, or looking for an appropriate opening for yourself or for a colleague, stop by the Job Board!

APS Members Meeting
The APS Members Meeting is open to all members. The meeting will take place on Saturday from 8:15 to 9:45 am in the Versailles room and will feature brief updates from the APS leadership regarding the previous year’s activities, and plans for the upcoming year. There will also be a report on the ongoing process to consider a name change for the Society. This meeting is a great opportunity to become involved, and learn more about what APS has to offer you.

About Wellness Sessions, Thursday - Saturday
Each morning APS will offer a different Wellness Session to begin the day. Please be sure to complete the participation form provided by the facilitator in the room each morning.

Photo release
By attending the APS Annual Meeting, registrants consent to be photographed during the course of the meeting, with the understanding that those images may be used in APS documents, publications or on the website. If you prefer to not have your image used by APS, please contact info@psychosomatic.org.
Exhibitors

Karger Publishers is a leading international publisher of books and journals in basic and medical sciences based in Basel Switzerland. During the 71st APS Scientific Meeting we are pleased to present our journal ‘Psychotherapy and Psychosomatics’ [current impact factor 6.284 (2011)] as well as our new book ‘The Psychosomatic Assessment’. Publications are accessible online with full-text search of articles and many other services. Visit www.karger.com.

MindWare Technologies Ltd. provides laboratory design, software, equipment development, installation, training and unparalleled customer support. Our intuitive solutions enabled us to develop a reliable line of measurement applications and research tools.

Psychosomatic Medicine, Official Journal of the American Psychosomatic Society, is now available in the App Store! The App is FREE to APS Members and journal subscribers. Download Today!

How to Cite your Abstract

The April 2013 (volume 75, number 3) on-line issue of Psychosomatic Medicine contains the 2013 meeting abstracts. The on-line journal is Psychosomatic Medicine’s journal of record for indexing purposes. To cite a meeting abstract in one’s vita, use Volume 75, Number 3 and the page number in which your abstract appears. Note each page number begins with the letter A.

Information for Presenters

If you will be presenting your research at a paper session or symposium and will be using Powerpoint, please be prepared to load your slides onto the laptop in your session room on the day of your presentation, during a break prior to the beginning of your session. Please name your file with your last name and the date of your presentation. Please see the program details on the following pages to determine your session room.

If you will be presenting a poster, please review the Poster Session listings beginning on page 41. Before each abstract number and title listed in the program you will see a number which represents the number assigned to your poster. Please mount your poster at the correct poster station. If you have any questions, please do not hesitate to ask at the APS Registration Desk.

APS Annual Meeting Social Media Expectations

These expectations cover all attendees at the APS Annual Meeting. The APS Program Committee encourages free exchange and discussion of ideas and research findings among attendees, and is aware that attendees may also wish to communicate conference findings and comment on them to an audience, particularly blogs (discussion-based or informational websites). These communications may also occur in real-time, such that an individual is providing a running description or commentary on a presentation as it is occurring.

For attendees: As a courtesy to the presenter, if you are planning to write about a particular presentation and know you will be doing so in advance, approach the presenter(s) and session chair to identify yourself and indicate your intentions. And please refrain from posting pictures of presenters or their slides or posters unless you have explicit consent from the presenter.

For presenters: If you want to encourage conference participants to mention your work on social media such as Facebook or Twitter, download the APS Annual Meeting social media logo from the scrolling “Information for Presenters” section of the APS Annual Meeting page (www.psychosomatic.org/AnMeeting/current.cfm) to use on your title slide or poster presentation, or visit the APS Registration Desk for a social media logo label.

Information on Roundtables

This year, APS is offering several Luncheon Roundtable discussion sessions on Thursday, Friday and Saturday, and if you signed up for a roundtable, there will be a ticket in your registration packet for that session. Roundtable participants should exchange their ticket for a lunch in the foyer area outside of their roundtable room. Please note that tickets must be purchased for all roundtables. Please visit the APS Registration Desk to determine availability.

Mentoring Program

APS will host a Mentor/Mentee program again this year, which will provide opportunities for young investigators/those new to the field to meet and network with more experienced APS colleagues in a relaxed and informal setting. The Mentor/Mentee Reception will be held on Thursday evening at 7:30 pm on the Pool Deck. Light snacks and beverages will be provided. You must have pre-registered for this program in order to participate.

Student Mixer

Students/Trainees attending the APS meeting are invited to gather following the Citation Poster Reception for a fun event in the Sandringham/Windsor room on Wednesday beginning at 7:30 pm. Please visit the APS Registration Desk by 5:30 pm on Wednesday if you would like to attend but have not already purchased a ticket. There will be prizes!
Awards and Special Recognition Programs

Donald Oken Fellowship
This Fellowship was created for the purpose of bringing a C-L psychiatrist or internist to the APS Annual Meeting each year. The annual award consists of an honorarium to the recipient, in addition to travel expenses to attend the Annual Meeting. The recipient of this Fellowship will have had some involvement in research, and be an effective teacher and in a position to influence others, especially medical students, residents, and fellows.

We are pleased to announce that the 2013 award will be given to Roger Kathol, MD, President of Cartesian Solutions, Inc., Burnsville, MN.

Young Investigator Colloquium
The American Psychosomatic Society is pleased to present below the inaugural, 2013 class of the APS Young Investigator Colloquium. The purpose of this annual event is to foster the development of innovative and impactful psychosomatic research by bringing together the expertise of senior APS mentors with the cutting edge research ideas of postgraduate trainees who plan to obtain faculty positions and conduct research in the field of psychosomatic medicine. The Young Investigator Colloquium consists of a keynote address followed by small group sessions in which two mentors and five young investigators in each group meet to discuss the research proposals of young investigators. The five groups are named after legendary figures in the history of psychosomatic medicine research: Walter Cannon, George Engel, Hans Selye, Helen Flanders-Dunbar, and John Mason. The first of these annual colloquia will take place on Wednesday, March 13, and the 25 awardees will be present for the remainder of the 2013 Annual Meeting.

Cannon Group
Mentors
Joel Dimsdale, MD and Shari Waldstein, PhD

Scholars
Anthony Austin, PhD, Concordia University, Montreal, Quebec, Canada
Judith Carroll, PhD, University of California, Los Angeles, Semel Institute for Neuroscience & Human Behavior Cousins Center for Psychoneuroimmunology, Los Angeles, CA, USA
Romano Endrighi, PhD, F. Edwards Herbert School of Medicine, Department of Medical & Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, USA
Donald Lamkin, PhD, University of California, Los Angeles, Semel Institute for Neuroscience & Human Behavior, Cousins Center for Psychoneuroimmunology, Los Angeles, CA, USA
Martin Picard, PhD, Children’s Hospital for Philadelphia Center for Mitochondrial and Epigenomic Medicine, Philadelphia, PA, USA

Engel Group
Mentors
Gail Ironson, MD, PhD and Redford Williams, MD

Scholars
Susanne de Rooij, PhD, University of Amsterdam, Department of Clinical Epidemiology, Biostatistics and Bioinformatics, Amsterdam, The Netherlands
Thomas Janssens, PhD, University of Leuven Health Psychology Research Unit, Leuven, Belgium

Donald Oken Fellowship
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We are pleased to announce that the 2013 award will be given to Roger Kathol, MD, President of Cartesian Solutions, Inc., Burnsville, MN.
Chioun Lee, PhD, Princeton University, Office of Population Research, Princeton, NJ, USA
Paula Ruttle, PhD, University of Wisconsin, School of Medicine and Public Health, Madison, WI, USA
Julie Spicer, PhD, Columbia University Medical Center, New York, NY, USA

Selye Group

Mentors
Gaston Kapuku, MD, PhD and Roland von Känel, MD

Scholars
Juliana Breines, PhD, Brandeis University, Waltham, MA, USA
Rebecca Hasson, PhD, University of Michigan School of Kinesiology, Ann Arbor, MI, USA
Christopher Kline, PhD, University of Pittsburgh, Pittsburgh, PA, USA
Puja Mehta, MD, Cedars-Sinai Heart Institute Barbra Streisand Women’s Heart Center, Los Angeles, CA, USA
Hannah Schreier, PhD, Mount Sinai School of Medicine, Department of Pediatrics, New York, NY, USA

Flanders-Dunbar Group

Mentors
Mustafa al’Absi, PhD and Karen Weihs, MD

Scholars
Christopher Celano, MD, Massachusetts General Hospital, Department of Psychiatry, Boston, MA, USA
Christopher Fagundes, PhD, Ohio State University School of Medicine Institute for Behavioral Medicine Research, Columbus, OH, USA
Lisa Jaremka, PhD, Ohio State University College of Medicine Institute for Behavioral Medicine Research, Columbus, OH, USA
Andrea Oskis, PhD, University of West London, London, UK
Katja Weimer, PhD, Eberhard-Karls-University, University Medical School, Tuebingen, Germany

Mason Group

Mentors
Oliver Cameron, MD, PhD and J. Richard Jennings, PhD

Scholars
Katarina Dedovic, PhD, University of California, Los Angeles, Los Angeles, CA, USA
Jessica Eccles, MB, Bch, MRCPsych, Brighton and Sussex Medical School, Brighton, UK
Annie Ginty, PhD, University of Birmingham School of Sport and Exercise Sciences, Edgbaston, West Midlands, UK
Cristina Ottaviani, PhD, Sapienza University of Rome, Department of Psychology, Rome, Italy
I-Wei Shu, MD, PhD, San Diego Veterans Affairs Healthcare System Advanced Fellowship in Mental Illness Research and Treatment, San Diego, CA, USA

Young Investigator Colloquium Committee:
Richard Lane, MD, PhD, co-chair
Scott Matthews, MD, co-chair
Jos Bosch, PhD

2013 Keynote Speaker
Margaret Chesney, PhD

Stop by the APS Social Media Hub on the Mezzanine to give us your feedback on this year’s meeting!
APS Young Scholar Awards

For over a decade APS has awarded APS Young Scholar Awards to trainees who are conducting research. This year APS will award 12 scholar awards. Applicants for these awards must be students or trainees enrolled in medical, graduate or undergraduate school, or those in residencies, internships, or post-doctoral fellowships. Scholars are selected on a competitive basis from those students and trainees who are first authors on an abstract accepted for presentation at the APS Annual Meeting. We offer our heartfelt congratulations to this year’s recipients:

Amoha Bajaj, BA, University of Pittsburgh, Pittsburgh, PA, USA, Abstract #231, "Negative Affect in Daily Life Is Correlated With Carotid Atherosclerosis" Wednesday, March 13 from 6:00 to 7:30 pm

Sophie Bostock, PhD Candidate, MSc, BMedSci, University College London, London, UK, Abstract #345, "Can Finding Headspace Reduce Work Stress? A Randomised Controlled Workplace Trial of a Mindfulness Meditation App" Friday, March 15 from 11:15 am to 12:30 pm

Stephanie Case, MS, Indiana University-Purdue University Indianapolis, Indianapolis, IN, USA, Abstract #493, "Double Depression is Associated with Greater Risk of Incident Cardiovascular Disease than Major Depression: Data from the National Epidemiologic Survey on Alcohol and Related Conditions (NESARC)" Friday, March 15 from 3:15 to 4:15 pm

Gregory Dore, BA, University of Maine, Orono, ME, USA, Abstract #528, "Blood Pressure Variability is Related to Cognitive Performance: The Maine-Syracuse Study" Wednesday, March 13 from 6:00 to 7:30 pm

Tiffany Haig, BA, University of Calgary, Calgary, Alberta, Canada, Abstract #65, "Sleep Duration but not Sleep Disruption is Associated with Diurnal Cortisol in Pregnant Women" Thursday, March 14 from 1:45 to 3:00 pm

Nataria J. Joseph, PhD, University of Pittsburgh, Pittsburgh, PA, USA, Abstract #599, "Parental Unemployment Status is Associated with Adolescent Cardiometabolic Biomarkers" Wednesday, March 13 from 6:00 to 7:30 pm; Abstract #610, "Sleep Efficiency by Actigraphy is Associated with Carotid Intima-Media Thickness in Late Middle Adulthood" Friday, March 15 from 5:30 to 7:00 pm; Abstract #624, "Quality of Daily Spousal Interactions Explain the Association between Marital Cohesion and Carotid Atherosclerosis" Thursday, March 14 from 3:15 to 4:15 pm

Tasneem Khambaty, MS, Indiana University-Purdue University, Indianapolis, Indianapolis, IN, USA, Abstract #346, "Somatic-Vegetative Symptoms of Depression Predict 6-Year Increases in Insulin Resistance: Data from the Pittsburgh Healthy Heart Project" Thursday, March 14 from 1:45 to 3:00 pm

Sarah Liu, MA, Concordia University, Montreal, Quebec, Canada, Abstract #301, "Self-Esteem and Diurnal Cortisol in Older Adults: A Longitudinal Analysis" Wednesday, March 13 from 6:00 to 7:30 pm

Michael Murphy, MA, Northwestern University, Evanston, IL, USA, Abstract #317, "Caregiving is Associated with Changes in Monocyte Sensitivity to Glucocorticoids Over Time" Friday, March 15 from 1:45 to 3:00 pm

Cécile Overman, MSc, Utrecht University, Utrecht, The Netherlands, Abstract #400, "Improved Psychological Well-Being and Physical Functioning in Rheumatoid Arthritis: a Cohort Study Covering the Last Two Decades" Wednesday, March 13 from 6:00 to 7:30 pm

Claudia Trudel-Fitzgerald, BA, Laval University, Québec City, Canada, Abstract #48, "The Association between Psychological Well-Being and Incident Hypertension: The Whitehall II Cohort" Wednesday, March 13 from 6:00 to 7:30 pm

Ana Trueba, MA, Southern Methodist University, Dallas, TX, USA, Abstract #646, "Depressive Mood Predicts Cortisol Response to Acute Stress in Asthma Patients but not Healthy Controls" Thursday, March 14 from 11:15 am to 12:30 pm; Abstract #648, "Cortisol Mobilization Predicts Exposure Therapy Outcome among Panic Patients" Thursday, March 14 from 3:15 to 4:15 pm; Abstract #643, "Depressive Mood during Final Exams are Associated with Reductions in Exhaled Nitric Oxide in Healthy Students" Friday, March 15 from 5:30 to 7:00 pm
Travel Award for MacLean Scholars
The MacLean Scholar awards were created to enable neuroscience trainees to attend the Annual Meeting and interact with the recipient of the Paul D. MacLean Award for Outstanding Neuroscience Research in Psychosomatic Medicine. Selection is based primarily on outstanding research or research potential and research that addresses questions that will advance the legacy of Paul D. MacLean. We are proud to announce this year’s recipients:

Erica Hornstein, MA, University of California, Los Angeles, Los Angeles, CA, USA
Keely Muscatell, MA, University of California, Los Angeles, Los Angeles, CA, USA
Ikechukwu Onyewuwenyi, BSc, University of Pittsburgh, Pittsburgh, PA, USA
Choong-Wan Woo, MA, University of Colorado at Boulder, Boulder, CO, USA

APS Minority Initiative Travel Awards
These awards were developed to encourage the participation of underrepresented minority researchers (defined by the National Institutes of Health to be African-Americans, Hispanics, Native-Americans and Alaska Natives, and Pacific Islanders). We are pleased to announce the winners of this year’s travel awards:

Livia Carvalho, PhD, University College London, London, UK
Daniella De Jesus, MD, State University of New York Upstate Medical University, Syracuse, NY, USA
Wilson Figueroa, BA, Ohio University, Athens, OH, USA
Olga Herren, BA, Howard University, Washington, DC, USA
Natalia Miles, MD, State University of New York Upstate Medical University, Syracuse, NY, USA
Arleane Ramos, BA, Northern Arizona University, Flagstaff, AZ, USA
DeWayne Williams, BA, Ohio University, Athens, OH, USA

APS Medical Student / Medical Resident / Medical Fellow Travel Scholarships
The American Psychosomatic Society (APS) Medical Student / Medical Resident / Medical Fellow Travel Scholarships are intended to encourage the participation of early career medical professionals. We are pleased to announce the winners of this year’s scholarships:

Hussam Jefee Bahloul, MD, University of Texas Southwestern, Dallas, TX, USA
Tatiana Deveney, BA, The University of Rochester School of Medicine, Rochester, NY, USA
Jennifer Kruse, MD, Semel Institute for Neuroscience and Human Behavior, Los Angeles, CA, USA
Antonio Lazzarino, MD, MSc, FFPH, University College London, London, UK
Vanessa Lentz, MD, University of Toronto, Toronto, Ontario, Canada
Jayme Mulkey, BS, University of California, San Francisco, San Francisco, CA, USA
Jayati Das Munshi, PhD, King’s College London, London, UK
Maria Steinisch, MD, Heidelberg University, Mannheim, Germany
Karina von Oehsen, MD, University of Göttingen, Göttingen, Germany
### Program-at-a-Glance

#### Wednesday, March 13, 2013

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<td>7:00 am - 5:00 pm</td>
<td>Registration</td>
<td>MEZZANINE</td>
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<tr>
<td>8:00 am - 12:30 pm</td>
<td>Young Investigator Colloquium (by invitation only)</td>
<td>BISCAYNE BALLROOM</td>
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<tr>
<td>11:30 am - 4:30 pm</td>
<td>APS Council Meeting</td>
<td>RAPHAEL/MICHELANGELO</td>
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<tr>
<td>1:30 - 4:30 pm</td>
<td>Half-Day Workshops</td>
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<td>5:00 - 6:00 pm</td>
<td>Opening Session</td>
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<td>5:30 - 6:00 pm</td>
<td>Distinguished Scientist Award Lecture</td>
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<td>6:00 - 7:30 pm</td>
<td>Citation Poster Session</td>
<td>MEZZANINE</td>
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<td>7:30 - 8:30 pm</td>
<td>Student Mixer</td>
<td>SANDRIGHAM/WINDSOR</td>
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- **Meta-analysis - Get Psyched!**
  Faculty: **Maida Sewitch, PhD**, McGill University Health Centre, Montreal, Canada
  Location: **MERRICK**

- **Assessment and Treatment of Depression in Medically Ill Patients**
  Faculty: **Peter A. Shapiro, MD**, Clinical Psychiatry, Columbia University, New York, NY
  Location: **ESCORIAL/ALHAMBRA**

#### Thursday, March 14, 2013

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<th>Time</th>
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<tr>
<td>6:45 - 7:30 am</td>
<td>Wellness I</td>
<td>ESCORIAL/ALHAMBRA</td>
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<tr>
<td>7:00 am - 5:00 pm</td>
<td>Registration</td>
<td>MEZZANINE</td>
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<tr>
<td>7:45 - 8:15 am</td>
<td>Continental Breakfast</td>
<td>MEZZANINE</td>
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<tr>
<td>8:15 - 9:15 am</td>
<td>Plenary Address</td>
<td>VERSAILLES</td>
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<tr>
<td>9:15 - 9:45 am</td>
<td>Data Blitz</td>
<td>VERSAILLES</td>
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<tr>
<td>10:00 - 11:00 am</td>
<td>Concurrent Sessions</td>
<td>VERSAILLES</td>
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<tr>
<td>11:15 am - 12:30 pm</td>
<td>Concurrent Sessions</td>
<td>VERSAILLES</td>
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<tr>
<td>12:30 - 1:30 pm</td>
<td>Roundtable Lunches and Meetings</td>
<td>VERSAILLES</td>
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- **Symposium 130: The Impact of Mindfulness-Based Interventions on Mechanisms of Stress Reactivity & Recovery**
  Chair: **Jeffrey Greenson, PhD**
  Discussant: **Margaret A. Chesney, PhD**
  Location: **VERSAILLES**

- **Symposium 131: Social and Emotional Neurobiology in Health and Disease**
  Co-chairs: **Peter J. Gianaros, PhD and Naomi I. Eisenberger, PhD**
  Location: **VERSAILLES**

- **Paper Session: Cancer**
  Chair: **KaMala Thomas, PhD**
  Location: **SANDRIGHAM/WINDSOR**

- **Paper Session: Acute and Chronic Stress**
  Chair: **Crista Crittenden, MPH**
  Location: **BISCAYNE BALLROOM**

- **Paper Session: Social Rejection, Exclusion, and Evaluation: Neuroendocrine Approaches**
  Chair: **Mary-Frances O’Connor, PhD**
  Location: **TRIANON**
Thursday, March 14, 2013, continued

APS Membership Committee
SANDRINGHAM/WINDSOR

Psychosomatic Medicine Editorial Board (by invitation only)
ESCORIAL/ALHAMBRA

1:45 - 3:00 pm Concurrent Sessions
Invited Symposium: Positive Psychobiology
Chair: Laura Kubzansky, PhD
This symposium is sponsored by the National Institute on Aging
VERSAILLES

Chair: Wendy M. Troxel, PhD;
Discussant: Julianne Holt-Lunstad, PhD
TRIANON

Symposium 124: Innovative Methods at the Intersection of Biobehavioral Medicine and Social/Personality Psychology: Hosted by the Social Personality Health Network
Co-chairs: A. Janet Tomiyama, PhD and Sarah D. Pressman, PhD
SANDRINGHAM/WINDSOR

Paper Session: Depression, Insulin Sensitivity, and Diabetes
Chair: Susan A. Everson-Rose, PhD
BISCAYNE BALLROOM

3:15 - 4:15 pm Concurrent Sessions
Symposium 120: Blunted Physiological Responses to Acute Psychological Stress
Co-chairs: Anna C. Phillips, PhD and William Lovallo, PhD
Discussant: Peter Gianaros, PhD
VERSAILLES

Paper Session: Relationship Quality and Health
Chair: Ted Robles, PhD
TRIANON

Paper Session: Obesity and Overweight
Chair: Kristen Salomon, PhD
SANDRINGHAM/WINDSOR

Paper Session: Biobehavioral Models of Psychiatric Health
Chair: Roger Kathol, MD
BISCAYNE BALLROOM

4:30 - 5:30 pm Plenary Address
How APS Tames Both Psychobabble and Neuromania
Chair: Benjamin Natelson, MD
Presenter: Paul McHugh, MD, University Distinguished Professor of Psychiatry, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
VERSAILLES

5:30 - 7:00 pm Poster Session 1
VERSAILLES

7:30 - 8:30 pm Mentor/Mentee Program
POOL DECK

Friday, March 15, 2013

6:45 - 7:30 am Wellness II
Tai Chi with Crista Crittenden
ESCORIAL/ALHAMBRA

2014 Program Committee Meeting
MICHELANGELO

7:00 am 5:00 pm Registration
MEZZANINE

7:45 - 8:15 am Continental Breakfast
MEZZANINE

8:15 - 9:15 am Plenary Address
A Fantasy for Future Clinical Decision-Making: The Groundwork
Chair: Anna C. Phillips, PhD
Presenter: Helena Kraemer, PhD, Professor Emerita of Biostatistics in Psychiatry, Stanford University, Palo Alto, CA
VERSAILLES

9:15 - 9:45 am Data Blitz
Chair: Anna C. Phillips, PhD
VERSAILLES

10:00 - 11:00 am Concurrent Sessions
Symposium 126: Childhood Roots of Adult Cardiovascular Risk: Focus on Early Resilience
Chair: Karen A. Matthews, PhD; Discussant: Greg Miller, PhD
VERSAILLES

Paper Session: Autonemics and Blood Pressure
Chair: Martica Hall, PhD
TRIANON

Paper Session: Physical Activity
Chair: Maida Sewitch, PhD
SANDRINGHAM/WINDSOR

Paper Session: Dyadic Approaches
Chair: Ted Robles, PhD
BISCAYNE BALLROOM

11:15 am - 12:30 pm Concurrent Sessions
Invited Symposium: Socio-Cultural Factors and Cardiometabolic Health in Hispanics/Latinos: The HCHS/SOL-Sociocultural-Ancillary Study
Co-Chairs: John M. Ruiz, PhD and Neil Schneiderman, PhD
Discussant: Maria Llabre, PhD
VERSAILLES

Symposium 143: Autonomic Nervous System Activity in the Metabolic Syndrome and Chronic Low-Grade Inflammation
Chair: Eco J. de Geus, PhD
Discussant: Robert Carney, PhD
TRIANON
Friday, March 15, 2013, continued

**Paper Session: Emotion, Physiology, and Health**  
**Chair:** Paula G. Williams, PhD  
**SANDRINHAM/WINDSOR**

**Paper Session: Interventions**  
**Chair:** Jeffrey Greason, PhD  
**BISCAYNE BALLROOM**

12:30 - 1:30 pm  
**Roundtable Lunches and Meetings**

**Meet the Editors Roundtable**  
Facilitators: Jos Bosch, PhD, Senior Associate Editor, Health Psychology; Susan A. Everson-Rose, PhD, Associate Editor, Psychosomatic Medicine; Willem J. Kop, PhD, Editor-in-Chief, Psychosomatic Medicine; Alison Wearden, PhD, Editor-in-Chief, British Journal of Health Psychology; and Paula G. Williams, PhD, Associate Editor, Journal of Behavioral Medicine  
**ESCORIAL/ALHAMBRA**

**Paper Session: Emotion, Physiology, and Health**  
**Chair:** Crista Crittenden, MPH  
**BISCAYNE BALLROOM**

3:15 - 4:15 pm  
**Concurrent Sessions**

**Symposium 134: Current Perspectives on Maternal-Child Health in the Perinatal Period**  
**Co-chairs:** Laura Glynn, PhD  
**SANDRINHAM/WINDSOR**

**Paper Session: Psychoneuroimmunology**  
**Chair:** Crista Crittenden, MPH  
**BISCAYNE BALLROOM**

**Lab to Market 2013 Roundtable**  
Facilitators: Steven E. Locke, MD, Bruce L. Rollman, MD, MPH and Michael H. Antoni, PhD  
**ALHAMBRA**

**Professional Education Committee Meeting**  
**ESCORIAL**

1:45 - 3:15 pm  
**Concurrent Sessions**

**Invited Symposium: The Next Generation of Patient Reported Outcomes: The PROMIS® Initiative as a Prototype**  
**Chair:** Arthur A. Stone, PhD  
**VERSAILLES**

This symposium is sponsored by the British Journal of Health Psychology

**Symposium 140: Accelerated Cellular Aging: Impacted by Psychological and Behavioral Factors across the Life Span?**  
**Chair:** Brenda Penninx, PhD  
**Discussant:** Elissa Epel, PhD  
**TRIANON**

5:30 - 7:00 pm  
**Poster Session 2**  
**MEZZANINE**

7:30 pm  
**Past Leader Dinner**  
(by invitation only)

**Saturday, March 16, 2013**

6:45 - 7:30 am  
**Wellness III**  
Mindfulness with Jeff Greason  
**ESCORIAL/ALHAMBRA**

7:00 am  
**Registration**  
**MEZZANINE**

7:45 - 8:15 am  
**Continental Breakfast**  
**MEZZANINE**

8:15 - 9:45 am  
**Members Meeting**  
**VERSAILLES**

10:00 - 10:30 am  
**Data Blitz**  
**Chair:** Crista Crittenden, MPH  
**VERSAILLES**

10:30 am - 12:30 pm  
**Awards Presentations**  

Paul D. MacLean Award Lecture: Psychosocial Factors in Health  
**Chair:** Jos Bosch, PhD  
**VERSAILLES**  

Award Recipient: Gary Berntson, PhD, Professor, Department of Psychology, The Ohio State University, Columbus, OH

**Herbert E. Weiner Early Career Award Lecture: Stress System Regulation of Inflammation**  
**Chair:** Greg Miller, PhD  
**VERSAILLES**  

Award Recipient: Nicolas Rohleder, PhD, Associate Professor, Department of Psychology, Brandeis University, Waltham, MA

**Patricia R. Barchas Award Lecture: Why Care About Cardiovascular Risk in Healthy Adolescents?**
Saturday, March 16, 2013, continued

Chair: Matthew Muldoon, MD, MPH
Award Recipient: Karen Matthews, PhD, Distinguished Professor of Psychiatry & Professor of Epidemiology and Psychology, University of Pittsburgh School of Medicine, Pittsburgh, PA
VERSAILLES

12:30 - 1:30 pm Roundtable Lunches and Meetings
MacLean Award Neuroscience Roundtable
Facilitator: Gary Berntson, PhD
VERSAILLES

Putting the “Psych” in Psychosomatic: A Discussion of Innovative Methodologies in Personality and Social Psychology Roundtable
Facilitators: Sally Dickerson, PhD; Sarah Pressman, PhD; Michael Scheier, PhD; Elliot Berkman, PhD; Megan Robbins, MA; and Julienne Holt-Lunstad, PhD
Raphael/Michelangelo

1:45 - 3:00 pm Concurrent Sessions
Symposium 118: Sleep and Disease: Autonomic and Inflammatory Pathways
Co-chairs: Judith E. Carroll, PhD and Janet M. Mullington, PhD
VERSAILLES

Symposium 122: Beyond Salivary Cortisol: Salivary Biomarkers of Immune Function and Stress at the Cutting Edge
Co-chairs: Jennifer Graham, PhD and Joshua Smyth, PhD
Discussant: Joel Dimsdale, MD
TRIANON

Symposium 113: Psycho-Oncology Meets Psychoneuroimmunology at the Cutting Edge
Co-chairs: Janice K. Kiecolt-Glaser, PhD and Michael Antoni, PhD
VERSAILLES

Discussant: Paige McDonald, PhD, MPH
SANDRINGHAM/WINDSOR

Paper Session: Trauma and PTSD
Chair: Scott Matthews, MD
BISCAYNE BALLROOM

3:15 - 4:15 pm Concurrent Sessions
Paper Session: Discrimination
Chair: KaMala Thomas, PhD
VERSAILLES

Paper Session: Pain
Chair: Lorenzo Cohen, PhD
TRIANON

Paper Session: Psychoneuroendocrinology
Chair: Anna C. Phillips, PhD
SANDRINGHAM/WINDSOR

4:30 - 5:30 pm Presidential Address
To Sleep, Perchance to Heal
Chair: Lorenzo Cohen, PhD
Presenter: Martica Hall, PhD, APS President
VERSAILLES

5:30 - 7:00 pm Poster Session 3
MEZZANINE

7:30 pm Banquet
BISCAYNE BALLROOM

Calling all APS Members!
Here is your opportunity to become more active and involved with APS. Consider participating on one of our committees. For more information, stop by the APS Registration Desk. And be sure to attend the Members Meeting for an update on all committee activities.
Scientific Program

Wednesday, March 13

7:00 am - 5:00 pm  Registration  MEZZANINE

8:00 am - 12:30 pm  Young Investigator Colloquium (by invitation only)  BISCAYNE BALLROOM

11:30 am - 4:30 pm  APS Council Meeting  RAPHAEL/MICHELANGELO

1:30 - 4:30 pm  Half-Day Workshops

Meta-analysis - Get Psyched!  MERRICK
Faculty: Maida Sewitch, PhD, McGill University Health Centre, Montreal, Canada
This workshop will cover the steps to conducting a systematic review and a meta-analysis, the differences between a systematic review and MA, knowing when it’s appropriate to do a MA, the main sources of bias and how to critically appraise a MA. Interactive exercises will be included.

Assessment and Treatment of Depression in Medically Ill Patients  ESCORIAL/ALHAMBRA
Faculty: Peter A. Shapiro, MD, Clinical Psychiatry, Columbia University, New York, NY
This workshop will cover:
- Defining depression, diagnostic criteria for major depression and other mood disorders in DSM-IV and a sneak peek at DSM-V, and depression rating scales
- Differential diagnosis: The biopsychosocial model applied to depression in the medically ill
- Depression in heart disease: epidemiology and treatment
- Depression in several other illnesses: stroke, diabetes, cancer, HIV

5:00 - 6:00 pm  Opening Session  VERSAILLES
Please join us for the Opening Session, where you will be welcomed to Miami and the 71st Annual Scientific Meeting. The recipients of the 2013 APS scholarships and awards will be recognized during this session.

5:30 - 6:00 pm  Distinguished Scientist Award Lecture
Women, Health and Heart Disease  VERSAILLES
Chair: Richard Lane, MD, PhD
Award Recipient: Kristina Orth-Gomér, MD, PhD, Professor Emerita Dept. of Clinical Neuroscience and Dept. of Public Health, Karolinska Institutet, Stockholm, Sweden
The understanding of psychosocial coronary risk has grown exponentially during the time of my career. Today, there is convincing evidence that stress from work and family, low socio-economic status, social isolation and negative emotions (depression, anxiety, anger) contribute independently to coronary disease. In early research we found that social supports were strong buffers of stressful events - in men. With close emotional support, men’s mortality risk was markedly reduced. Support also buffered the health hazards of men’s shift and night work, of their lack of control and insufficient reward for their work. Although women die from heart disease as frequently as men do, their psychosocial risk profiles have only recently been examined. In Stockholm women, in addition to the stronger female risk of diabetes, smoking and low HDL cholesterol, a female excess risk from "marital " and "family stress," was identified. In men, mainly work stress worsened the prognosis, with co-worker social support as an important buffer. In a randomized clinical trial we also developed a cognitive supportive method which reduced women’s stress and mortality risk to a third, in comparison to treatment as usual. Further findings in Stockholm women will be summarized in this talk.

6:00 - 7:30 pm  Citation Poster Session  MEZZANINE
Please join your colleagues for the inaugural Poster Session and Reception of the meeting. The posters presented this evening are among the highest scoring abstracts for poster presentation. Posters # 1 through #34 will be presented tonight (see page 41).

7:30 - 8:30 pm  Student Mixer  SANDRINGTON/WINDSOR
Tonight all students are invited to meet for an informal get-together. Undergrads, doctoral students and all those who consider themselves youthful! If you would like to attend but have not already registered for this event, please check with the APS Registration Desk for availability.
6:45 - 7:30 am  Wellness I: Yoga with Kristen Salomon  ESCORIAL/ALHAMBRA
Are you curious about the physical and mental health benefits of yoga, but have yet to try it? Are you a regular yoga practitioner looking for an opportunity to practice during the meeting? If so, come get your yoga on with your APS colleagues! This yoga practice will consist of pranayama (breath work) and asana (physical postures) to prepare the mind and body for the day ahead. The class will be accessible to all levels—beginners and experienced yogis are all welcome to attend. The hotel will provide towels that can be used as mats. However, feel free to bring your own mat or towel (beach towel size is best) to the meeting if you plan to attend the yoga session. Kristen Salomon is a 200-hour registered yoga teacher who has been teaching yoga for four years and practicing for 14 years. Space is limited—please check with the APS Registration desk for availability.

7:00 am - 5:00 pm  Registration  MEZZANINE

7:45 - 8:15 am  Continental Breakfast  MEZZANINE
A light breakfast will be served.

8:15 - 9:15 am  Plenary Address:  VERSAILLES
Beyond Allostatic Load: Rethinking the Role of Stress in Regulating Human Development
Chair: David Sbarra, PhD
Presenter: Bruce J. Ellis, PhD, Professor of Family Studies and Human Development, The University of Arizona, Tucson, AZ
How do exposures to stress affect biobehavioral development and, through it, psychiatric and biomedical disorder? In the health sciences, the allostatic load model (ALM) provides a consensual answer to this question: stress responses, while essential for survival, have catabolic effects that promote illness. Thus, the benefits of mounting repeated biological responses to threat are traded off against costs to mental and physical health. The adaptive calibration model (ACM), an evolutionary-developmental theory of stress-health relations, extends this logic by conceptualizing these trade-offs as decision nodes in allocation of resources. Each decision node influences the next in a chain of resource allocations that become instantiated in the regulatory parameters of stress response systems. Over development, these parameters filter and embed information about key dimensions of environmental stress and support, mediating the organism’s openness to environmental inputs, and function to regulate life history strategies to match those dimensions. Drawing on the ACM, we propose that explicit consideration of biological fitness trade-offs, as delineated by life history theory, is needed to more fully explain the complex relations between developmental exposures to stress, stress responsivity, behavioral strategies, and health. We conclude that the ACM and ALM are only partially complementary and, in some cases, support different approaches to intervention. In the long run, the field may be better served by a model informed by life history theory that addresses the adaptive role of the stress response system in regulating alternative developmental pathways.

9:15 - 9:45 am  Data Blitz  VERSAILLES
Chair: David Sbarra, PhD
The Data Blitz is a preview of coming attractions in the programming scheduled for the day, so be sure to attend this session to see what exciting abstracts will be presented.

9:45 - 10:00 am  Break  MEZZANINE

10:00 - 11:00 am  Concurrent Sessions  VERSAILLES

Symposium 130: The Impact of Mindfulness-Based Interventions on Mechanisms of Stress Reactivity & Recovery
Chair: Jeffrey Greesoon, PhD
Discussant: Margaret A. Chesney, PhD

Individual Abstract Number: 249
MINDFULNESS-BASED RELAPSE PREVENTION FOR SUBSTANCE USE DISORDERS: EFFECTS ON HEMODYNAMICS AND CARDIAC Vagal Control UNDER STRESS
Haley Douglas, BS, Psychology, University of Washington, Seattle, WA, Elizabeth Shilling, BA, Kathleen Lustyk, PhD, Psychology, Seattle Pacific University, Seattle, WA
Individual Abstract Number: 334
MINDFULNESS MEDITATION FOR GENERALIZED ANXIETY DISORDER: EFFECTS ON RESILIENCE, ANXIETY, AND HYPOTHALAMIC PITUITARY ADRENAL (HPA) AXIS
Elizabeth A. Hoge, MD, Christina A. Metcalf, B.A., Laura K. Morris, B.A., Naomi M. Simon, MD, Psychiatry, Harvard Medical School / Massachusetts General Hospital, Boston, Massachusetts

Individual Abstract Number: 786
CAN MINDFULNESS-BASED STRESS REDUCTION (MBSR) BUFFER STRESS REACTIVITY AND FACILITATE PHYSIOLOGICAL RECOVERY IN HEALTHY ADULTS?
Jeffrey Greeson, PhD, Edward Suarez, PhD, Jeffrey Brantley, MD, Dennis Carmody, BA, Michael Juberg, BA, Ruth Wolever, PhD, Psychiatry & Behavioral Sciences, Duke University Medical Center, Durham, NC

Paper Session: Social Rejection, Exclusion, and Evaluation: TRIANON
Neuroendocrine Approaches
Chair: Mary-Frances O’Connor, PhD

Abstract 612
VARIATION IN THE MU-OPIOID RECEPTOR GENE (OPRM1) MODERATES THE EFFECTS OF TARGETED REJECTION ON DEPRESSION
George M. Slavich, Ph.D., Cousins Center for Psychoneuroimmunology, Molly A. Tartter, M.A., Constance Hammen, Ph.D., Psychology, University of California, Los Angeles, Los Angeles, CA

Abstract 631
NEURAL MECHANISMS LINKING SOCIAL EVALUATION AND INFLAMMATION: AN FMRI STUDY
Keely A. Muscatell, MA, Katarina Dedovic, PhD, Psychology, UCLA, Los Angeles, CA, Michael R. Jarcho, Ph.D., Neuroscience, Loras College, Dubuque, IA, George M. Slavich, PhD, Psychiatry & Biobehavioral Sciences, Julienne E. Bower, PhD, Psychology, Psychiatry & Biobehavioral Sciences, Michael R. Irwin, MD, Psychiatry & Biobehavioral Sciences, Psychology, Naomi I. Eisenberger, PhD, Psychology, Psychiatry & Biobehavioral Sciences, Michael R. Irwin, MD, Psychiatry & Biobehavioral Sciences, Psychology, UCLA, Los Angeles, CA

Abstract 595
SOCIAL EXCLUSION - WHY DOES IT HURT?
Renate Deinzer, Professor, Ulrike Weik, PhD, Medical Psychology, University of Giessen, Giessen, Hessen, Germany

Abstract 619
SALIVARY TESTOSTERONE RESPONSES TO A REPEATED SOCIAL-EVALUATIVE COMPETITIVE STRESSOR
Jana Strahler, PhD, Urs M. Nater, PhD, Psychology, University of Marburg, Marburg, Hesse, Germany, Reinhard Fuchs, PhD, Sandra Klaperski, MSc, Institute of Sport and Sport Science, University of Freiburg, Freiburg, Baden-Wuerttemberg, Germany

Paper Session: Sleep and Fatigue SANDRINGTON/WINDSOR
Chair: Benjamin Natelson, MD

Abstract 766
PSG-DERIVED SLEEP IS RELATED TO SUBSEQUENT DAY DIURNAL CORTISOL PROFILE IN ADOLESCENTS, BUT NOT CHILDREN
Jinshia Ly, B.Sc., Neressa Noel, B.Sc., Jennifer J. McGrath, Ph.D., M.P.H., Pediatric Public Health Psychology Laboratory, Concordia University, Montreal, Quebec, Canada

Abstract 533
SHORTER SLEEP DURATION IS ASSOCIATED WITH DECREASED INSULIN SENSITIVITY IN WHITE MALES
Patricia M. Wong, BA, Stephen B. Manuck, PhD, Psychology, Monica M. DiNardo, MSN, CRNP, CDE, School of Nursing, University of Pittsburgh, Pittsburgh, PA, Mary T. Korytkowski, MD, Internal Medicine, University of Pittsburgh Physicians Center for Diabetes and Endocrinology, Pittsburgh, PA, Matthew F. Muldoon, MD, MPH, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Abstract 708
EFFECT OF PREVIOUS-DAY STRESS LEVELS ON COGNITIVE DIMENSIONS OF FATIGUE - MODERATING ROLE OF SLEEP QUALITY
Johanna M. Doerr, M.Sc., Psychology, University of Marburg, Marburg, Hessen, Germany, Beate Ditzen, PhD, Psychology, University of Zurich, Zurich, Switzerland, Jana Strahler, PhD, Urs M. Nater, PhD, Psychology, University of Marburg, Marburg, Hessen, Germany
Abstract 115
IMPAIRED SELF-CARE IN CHRONIC HEART FAILURE: THE IMPACT OF FATIGUE
Dionne Kessing, MSc, Johan Denollet, PhD, Jos Widdershoven, MD, PhD, Nina Kupper, PhD, Medical and Clinical Psychology, Tilburg University, Tilburg, Noord-Brabant, The Netherlands

Abstract 578
CHILDHOOD AND ADULTHOOD SOCIOECONOMIC STATUS IN RELATION TO ADULT SUBCLINICAL CARDIOVASCULAR DISEASE IN THE STUDY OF WOMEN’S HEALTH ACROSS THE NATION HEART STUDY
Rebecca C. Thurston, PhD, Psychiatry, Psychology, Epidemiology, and Clinical and Translational Science, Rachel H. Mackey, PhD, Epidemiology, Karen A. Matthews, PhD, Psychiatry, Psychology, Epidemiology, and Clinical and Translational Sciences, University of Pittsburgh, Pittsburgh, PA

Abstract 696
OBJECTIVE NEIGHBORHOOD CRIME IS DIFFERENTIALLY ASSOCIATED WITH CARDIOVASCULAR RISK FACTORS AS A FUNCTION OF RACE AND SEX
Mollie R. Sprung, MA, Psychology, University of Maryland, Baltimore County, Baltimore, MD, Alan B. Zonderman, Ph.D., Michele K. Evans, M.D., Intramural Research Program, National Institute on Aging, Baltimore, MD, Shari R. Waldstein, Ph.D., Psychology, University of Maryland, Baltimore County, Baltimore, MD

Abstract 103
DOES THE INCOME-MORTALITY GRADIENT PERSIST AT HIGHER INCOME LEVELS? IT DEPENDS ON WHOM YOU STUDY.
Steven D. Barger, PhD, Arlene D. Ramos, BA, Psychology, Northern Arizona University, Flagstaff, Arizona

Abstract 105
THE COMBINED ASSOCIATION OF PSYCHOLOGICAL DISTRESS AND SOCIO-ECONOMIC STATUS WITH MORTALITY FROM STROKE, CORONARY HEART DISEASE, AND ALL CAUSES: A NATIONALLY-REPRESENTATIVE COHORT STUDY.
Antonio I. Lazzarino, MSc, Mark Hamer, PhD, Emmanuel Stamatakis, PhD, Andrew Steptoe, DSc, Department of Epidemiology and Public Health, University College London, London, England, United Kingdom

11:00 -11:15 am
Break

11:15 am - 12:30 pm
Concurrent Sessions

Invited Symposium: Psychosomatic Science in the Media
Chair: Anna C. Phillips, PhD
Presenters: Anna C. Phillips, PhD; Angela Clow, PhD; and Mary-Frances O’Connor, PhD
Overall this symposium will cover the main conduits by which we can communicate our science through the media to the broader population and provide the dos and don’ts for successful broader scientific knowledge exchange. Dr. Phillips will talk about her experience of getting her research into the newspapers, radio, and some TV and advertising experience. She will provide tips for ensuring a positive outcome that does not compromise the science but is understood by the general public. Professor Clow will discuss the pros and cons of getting involved with the media. She will draw on her own experience to illustrate the potential benefits and drawbacks to individual scientists of working with the media and how to make the most of the experience. Dr. O’Connor will discuss social media, or online media designed to create social interactions (Facebook, blogs, twitter, etc.) These social media tools may be useful to the researcher/scientist, but they are only tools, and how they are used should keep the end-goal, conversation, in mind. This symposium will be followed by a roundtable with informal discussion and activities to help scientists practice communication in the media (separate registration required please check with APS Registration Desk for availability).

COMMUNICATING IN THE MEDIA GENERALLY: JOURNALISTS, NEWSPAPER AND RADIO INTERVIEWS
Anna C. Phillips, PhD
Communicating your science to the media is very different from the usual scientific communication that we as academics and/or clinicians engage in. There are very different challenges regarding getting our message across including: making our science and our language understandable, showing what the point of our research was and why it is important, communicating how our research has an impact on the general public and what it means for the future, and presenting our work without the usual context or limitations that we are able to discuss in scientific writing. This brief talk will focus on some of these key issues that arise when communicating your science to the general public via the media. It will draw on my experiences over the past seven or so years in a light-hearted way to show some of the pitfalls but also the positive aspects of media communication of science. Examples will be used to show how best to present your science in an understandable way, how to
get your science in the public eye, and also the different aspects to be aware of when communicating with journalists for print versus radio interviews.

SCIENTISTS AND SCIENCE REPORTING: WORKING WITH THE MEDIA
Angela Clow, PhD

Scientists and science reporters have a common goal: to get the public to read their stories about science. But the reasons for this and the preferred ways of going about it are usually different. It has been suggested that scientists think the public should understand science because it is ‘important’ and for the ‘good of society’. On the other hand journalists simply want ‘stories’ that are interesting to the general public. Their role isn’t to educate but to report developments they judge will grab their readers’ attention. This bias causes the media to be selective about what they choose to focus upon as well as how they report it. Science stories usually fall into three families: wacky stories, scare stories and ‘breakthrough’ stories. Since most of the public are not scientifically oriented reports must emphasize the meaning and relevance of the piece within the first 2 or 3 sentences. It is not usually possible to produce balanced articles that set new scientific findings in the ‘proper’ context. This frequently causes problems for scientists that are only too aware of ambiguities, statistical significance, methodological issues, hypotheses, and lots of bits of incremental evidence. However despite these problems it is estimated that 90% of the general public get most of their information about science from the media: it is the most powerful and effective tool that scientists can use to get their message across. In the current scientific climate where research with impact is required it is becoming increasingly expected that we deal with the media and the onus is on us to do this in a satisfactory way. Despite our reservations it is important to concentrate on the overall message instead of worrying about the finer details. Now, like never before academics that understand the role of the media and can communicate clearly are in great demand. They can have opportunities to go ‘behind the headlines’ to feature in more in-depth programs and documentaries when the broader issues can be adequately aired. This talk will explore the complementary roles of scientist and science reporter in dissemination to the wider public.

SOCIAL MEDIA: MAKING THE TOOL FIT THE GOAL
Mary-Frances O’Connor, PhD

Social media presents an unprecedented opportunity to connect with other researchers and the public, and to do it in "asynchronous time", or have it available for reading and comment when the audience wants it. However, there are burdens associated with social media, including freshness, knowing your audience and technical complications. Using the social media tool that resolves a goal is the best method, and usually, using a technique with which you are familiar.

Symposium 131: Social and Emotional Neurobiology in Health and Disease
Co-Chairs: Peter J. Gianaros, PhD and Naomi I. Eisenberger, PhD

Individual Abstract Number: 248
NEURAL ACTIVITY DURING EMOTION REGULATION RELATES TO PRECLINICAL ATHEROSCLEROSIS VIA AN INFLAMMATORY PATHWAY
Peter J. Gianaros, PhD, A Marsland, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA, A Hariri, PhD, Psychology, Duke University, Durham, NC, D Kuan, PhD, JR Jennings, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA, J J. Gross, PhD, Psychology, Stanford University, Stanford, CA, S B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

Individual Abstract Number: 272
SOCIAL INFLUENCES ON HEALTH: SEROTONINERGIC MECHANISMS
Baldwin M. Way, PhD, Psychology, The Ohio State University, Columbus, OH, Dominik Schoebi, PhD, Psychology, University of Freiburg, Freiburg, Switzerland, Benjamin Karney, PhD, Thomas N. Bradbury, PhD, Shelley Taylor, PhD, Psychology, University of California at Los Angeles, Los Angeles, CA

Individual Abstract Number: 336
SOCIAL NEUROSCIENCE AND HEALTH: USING THE BRAIN TO UNDERSTAND THE LINKS BETWEEN SOCIAL PROCESSES AND HEALTH
Naomi I. Eisenberger, PhD, Psychology, University of California at Los Angeles, Los Angeles, CA

Individual Abstract Number: 659
DIFFERENTIAL NEURAL SUBSTRATES FOR PHYSICAL AND SOCIAL PAIN
Tor D. Wager, PhD, Psychology and Neuroscience, University of Colorado, Boulder, Boulder, Colorado
Paper Session: Cancer
Chair: KaMala Thomas, PhD

Abstract 80
LOW EMOTIONAL SUPPORT FROM DIFFERENT SOURCES AND PRO-INFLAMMATORY AND PRO-METASTATIC LEUKOCYTE GENE EXPRESSION IN WOMEN AFTER SURGERY FOR BREAST CANCER
Devika R. Jutagir, B.A., Lisa M. Gudenkauf, B.S., Psychology, University of Miami, Coral Gables, FL, Bonnie Blomberg, Ph.D., Microbiology and Immunology, University of Miami, Miami, FL, Jamie M. Stagl, M.S., Charles S. Carver, Ph.D., Psychology, University of Miami, Coral Gables, FL, Suzanne Lechner, Ph.D., Stefan Glück, M.D., Ph.D., Sylvester Comprehensive Cancer Center, Alain Díaz, M.S., Microbiology and Immunology, University of Miami, Miami, FL, Susan Lutgendorf, Ph.D., Psychology, University of Iowa, Iowa City, IA, Steve Cole, Ph.D., Medicine, University of California, Los Angeles, Los Angeles, CA, Michael H. Antoni, Ph.D., Psychology, University of Miami, Coral Gables, FL

Abstract 352
INSOMNIA AND CIRCADIAN DYSREGULATION PREDICT QUALITY OF LIFE FOLLOWING SURGERY FOR GYNECOLOGIC CANCER
Ashley M. Nelson, BA, Psychiatry, Meredith E. Rumble, PhD, Psychiatry, Center for Sleep Medicine & Research, Stephen L. Rose, MD, Gynecologic Oncology, Carbone Cancer Center, Ruth M. Benca, PhD, Psychiatry, Center for Sleep Medicine & Research, Erin S. Costanzo, PhD, Psychiatry, Carbone Cancer Center, University of Wisconsin-Madison, Madison, WI

Abstract 298
PERSONALITY AND THE RISK OF CANCER: A 15-YEAR FOLLOW-UP STUDY OF THE GAZEL COHORT
Cédric Lemogne, MD, PhD, Université Paris Descartes, Sorbonne Paris Cité, Faculté de Médecine, Paris, France, Silla M. Consoli, MD, PhD, Psychiatry, Hôpitaux Universitaires Paris Ouest, Assistance Publique-Hôpitaux de Paris, Paris, France, Béatrice Geoffroy-Perez, MD, PhD, Département Santé Travail, Institut de Veille Sanitaire, Saint Maurice, France, Mireille Coeuret-Pellicer, MD, MPH, Hermann Nabi, PhD, Maria Melchior, PhD, Univ Versailles Saint-Quentin, Villejuif, France, Frédéric Limosin, MD, PhD, Psychiatry, Hôpitaux Universitaires Paris Ouest, Université Paris Descartes, Sorbonne Paris Cité, Faculté de Médecine, Issy-les-Moulineaux, France, Marie Zins, MD, PhD, Pierre Ducimetière, MD, PhD, Marcel Goldberg, MD, PhD, Univ Versailles Saint-Quentin, Villejuif, France, Sylvaine Cordier, MD, PhD, Université Rennes 1, Lannion, France

Abstract 636
DEPRESSION, TELOMERE SHORTENING, AND SURVIVAL IN BLADDER CANCER
Lorenzo Cohen, PhD, Meng Chen, PhD, Jie Lin, PhD, Jan Blalock, PhD, Paul M. Cinciripini, PhD, Xifeng Wu, PhD, Department of General Oncology and the Integrative Medicine Program, Department of Epidemiology, Department of Behavioral Science, The University of Texas MD Anderson Cancer Center, Houston, TX

Abstract 188
COGNITIVE-BEHAVIORAL STRESS MANAGEMENT FACILITATES ADAPTATION AND ALTERS PRO-INFLAMMATORY AND PRO-METASTATIC LEUKOCYTE GENE EXPRESSION IN WOMEN TREATED FOR BREAST CANCER
Michael H. Antoni, PhD, Psychiatry and Behavioral Sciences, University of Miami, Coral Gables, FL, Susan Lutgendorf, PhD, Psychology, University of Iowa, Iowa City, IA, Steven Cole, Ph.D., Medicine, UCLA, Los Angeles, CA, Charles Carver, Ph.D., Psychology, University of Miami, Coral Gables, FL, Suzanne Lechner, Ph.D., Psychiatry and Behavioral Sciences, Alain Díaz, M.S., Microbiology and Immunology, university of Miami School of Medicine, Miami, FL, Jamie Stagl, M.S., Psychology, University of Miami, Coral Gables, FL, Bonnie Blomberg, Ph.D., Microbiology and Immunology, University of Miami School of Medicine, Miami, FL

Paper Session: Acute and Chronic Stress
Chair: Crista Crittenden, MPH

Abstract 646
DEPRESSIVE MOOD PREDICTS CORTISOL RESPONSE TO ACUTE STRESS IN ASTHMA PATIENTS BUT IN NOT HEALTHY CONTROLS
Ana F. Trueba, MA, Erica Simon, MA, Psychology, Southern Methodist University, Dallas, Texas, Richard J. Auchus, PhD, Internal Medicine, University of Michigan, Ann Arbor, Michigan, Thomas Ritz, PhD, Psychology, Southern Methodist University, Dallas, Texas

Abstract 114
PERSONALITY AND PHYSIOLOGICAL REACTIONS TO ACUTE PSYCHOLOGICAL STRESS IN A LARGE COHORT OF MIDDLE AGED MEN AND WOMEN
Adam Bibbey, BSc, Douglas Carroll, PhD, School of Sport and Exercise Sciences, University of Birmingham, Edgbaston, Birmingham, United Kingdom, Tessa J. Roseboom, PhD, Clinical Epidemiology and Biostatistics, University of Amsterdam, Meibergdreef 9, Amsterdam, The Netherlands, Anna C. Phillips, PhD, School of Sport and Exercise Sciences, University of Birmingham, Edgbaston, Birmingham, United Kingdom, Susanne R. de Rooij, PhD, Clinical Epidemiology and Biostatistics, University of Amsterdam, Meibergdreef 9, Amsterdam, The Netherlands
Abstract 665
PASSIONATE AND COMPANIONATE LOVE INTERACT TO PREDICT MEN’S CORTISOL RECOVERY—BUT NOT REACTIVITY—IN RESPONSE TO AN ACUTE STRESSOR
Elizabeth A. Schoenfeld, M.A., Brittany L. Wright, M.A., Timothy J. Loving, Ph.D., Human Development & Family Sciences, The University of Texas at Austin, Austin, Texas

Abstract 558
JOB STRAIN AS A RISK FACTOR FOR THE ONSET OF TYPE 2 DIABETES: RESULTS FROM THE MONICA/KORA AUGSBURG COHORT STUDY
Karl H. Ladwig, Prof. Dr. phil. Dr. med., Cornelia Huth, Dr., Barbara Thorand, PD Dr. habil., Jens Baumert, Dr., Rebecca T. Emeny, Dr., Institute of Epidemiology II, Helmholtz Zentrum München – German Research Center for Environmental Health, Neuherberg, Bavaria, Germany, Johannes Kruse, Prof. Dr. med., Department of Psychosomatic Medicine and Psychotherapy, University of Giessen, Giessen, Hessen, Germany, Christa Meisinger, Dr. med., Institute of Epidemiology II, Helmholtz Zentrum München – German Research Center for Environmental Health, Neuherberg, Bavaria, Germany

Abstract 369
INCREASED RISK OF CORONARY HEART DISEASE AMONG INDIVIDUALS REPORTING ADVERSE IMPACT OF STRESS ON THEIR HEALTH: THE WHITEHALL II PROSPECTIVE COHORT STUDY
Hermann Nabi, PhD, Center for Research in Epidemiology and Populations Health, French National Institute of Health and Medical Research, Villejuif, Ile de France, France

12:30 - 1:30 pm Roundtable Lunches and Meetings

Getting your Science into the Media Roundtable
Facilitators: Angela Clow, PhD, Anna C. Phillips, PhD, Mary-Frances O’Connor, PhD
In keeping with the theme of impact and innovation, this roundtable on Getting your Science into the Media will be a series of discussions and activities aiming to disseminate and discuss some of the key issues, pitfalls, and good practice associated with trying to communicate science to the general public via the Media. The facilitators Dr. Anna Phillips, Professor Angela Clow, and Dr. Mary-Frances O’Connor all have substantial experience of communicating their own research via newspapers, the radio, and TV, and will share this along with the funny moments. Main aspects covered will be key tips in communicating in non-jargon, how to get what you want in print, pre-recorded radio interviews and down the line, TV, and social media, putting your best side forward.

APS Membership Committee

Psychosomatic Medicine Editorial Board (by invitation only)

1:45 - 3:00 pm Concurrent Sessions

Invited Symposium: Positive Psychobiology
Chair: Laura Kubzansky, PhD
Presenters: Arthur Kramer, PhD; Andrew Steptoe, DSc; Sarah E. Hampson, PhD; and Timothy W. Smith, PhD
This symposium is sponsored by the National Institute on Aging
In recent work, investigators have begun to explore the relationship between positive psychological functioning (including constructs such as optimism, positive emotions, and social connectedness) and physical health. However, our understanding of the mechanisms underlying this relationship is still limited. In this symposium, we will consider potential positive psychobiological processes that might link positive psychological functioning with enhanced resilience, reduced risk of disease, and improved physical health.
Disclaimer: The views expressed in written conference materials or publications and by speakers and moderators at HHS-sponsored conferences do not necessarily reflect the official policies of the Department of Health and Human Services; nor does mention of trade names, commercial practices, or organizations imply endorsement by the U.S. Government.

PHYSICAL ACTIVITY AND EXERCISE: IMPLICATIONS FOR COGNITIVE AND BRAIN HEALTH
Arthur Kramer, PhD, Beckman Institute, University of Illinois, Urbana, IL
Populations throughout the industrialized world are becoming increasing sedentary as a result of the changing nature of work and leisure activities. As a result of these societal changes increases in diseases such as hypertension, diabetes, osteoporosis, and forms of cancer are increasing. Physical activity serves to reduce suscep-
positive effects on cognition and brain health. Such results have now been reported, over the course of several decades, in animal studies of physical activity. This presentation will review research conducted in the author’s laboratory, and the field in general, which has examined the extent to which fitness training and physical activity enhances cognition and brain structure and function of older adults. The presentation will cover both cross-sectional and intervention studies of fitness differences and fitness and physical activity training. Studies which assess cognition via both behavioral measures and non-invasive neuroimaging measures, such as magnetic resonance imaging, functional magnetic resonance imaging, event-related brain potentials, and the event-related optical signal, will be reviewed and discussed. Finally, gaps in the human and animal literature on cognitive and brain health and the manner in which they can be addressed in future research will be explored.

POSITVE WELL-BEING AND THE PREDICTION OF FUNCTIONAL IMPAIRMENT AND MORTALITY

Andrew Steptoe, DSc, Department of Epidemiology and Public Health, University College London

There is increasing evidence from prospective epidemiological studies that high levels of subjective well-being are associated with reduced mortality and morbidity. Investigations of these associations is difficult because a number of factors are related both to well-being and health outcomes and may act as confounders. I will present prospective analyses of these relationships from the English Longitudinal Study of Ageing, a large representative panel study of men and women aged 50 and over that includes detailed information on health, well-being, and sociodemographic factors. We have found associations between affective well-being, measured both with questionnaire measures of enjoyment of life and momentary assessments of affect, and survival for up to 10 years. The associations are large and remain significant when demographic and socioeconomic measures, baseline health status, depressive symptoms and health behavior are taken into account. Evaluative well-being (life satisfaction) shows less robust associations with survival. Positive well-being also predicts functional outcomes such as the development of disability and the deterioration in walking (gait) speed over time. Although causal conclusions cannot be drawn from observational studies, this work endorses the importance of understanding the psychobiological processes through which positive states impact on future health.

CONSCIENTIOUSNESS MAY PROMOTE BIOLOGICAL HEALTH OVER THE LIFESPAN

Sarah E. Hampson, PhD, Oregon Research Institute, Eugene, Oregon; Grant W. Edmonds, PhD, Oregon Research Institute, Eugene, Oregon; Teresa A. Hillier, MD, Kaiser Permanente Center for Health Research, Hawaii, Honolulu, Hawaii and Kaiser Permanente Center for Health Research Northwest, Portland, Oregon; Joan P. Dubanski, PhD, Kaiser Permanente Center for Health Research, Hawaii, Honolulu, Hawaii; and Lewis R. Goldberg, PhD, Oregon Research Institute, Eugene, Oregon

Using data from the Hawaii Personality and Health Cohort, we demonstrate that children rated by their teachers as more conscientious in elementary school in the 1960’s have better health 40 years later. At mean age 51, their health was assessed at a comprehensive medical examination that included anthropometric measures and laboratory assays of blood and urine. These biomarkers were combined to form a measure of physiological dysregulation. Participants (N = 753) who were more conscientious as children had less dysregulation (i.e., better health) as adults, controlling for the other childhood Big Five traits, gender, ethnicity, childhood SES, and adult conscientiousness (β = -.11, p < .05). Moreover, in a subset of this sample (N = 58) selected for having either extremely high or extremely low levels of childhood conscientiousness, we observed a significant difference in leukocyte telomere length (an indicator of cellular aging) such that those with high childhood conscientiousness had longer telomeres (t = 2.21, df = 56, p = .03) indicative of less cellular aging. These findings are discussed in terms of potential mechanisms underlying the beneficial effects of childhood conscientiousness for biological health across the lifespan.

OPTIMISM IN SOCIAL CONTEXT: THE INTERPERSONAL PERSPECTIVE IN POSITIVE PSYCHOBIOLOGY

Timothy W. Smith, PhD, Department of Psychology, University of Utah, Salt Lake City, UT

Dispositional optimism predicts physical health, and most related studies have examined intrapersonal processes (e.g., coping, self-regulation) contributing to these associations. However, the beneficial effects of optimism may also involve social processes. In three studies, we illustrate the application of the interpersonal perspective (Horowitz & Strack, 2011; Kiesler, 1996; Pincus & Ansell, 2003) in elucidating positive social processes associated with optimism. Optimism was associated with a warm-dominant interpersonal style, across five samples, and with parallel patterns of interpersonal goals, social support, and negative interpersonal experiences. In 300 married couples optimism had significant actor and partner associations with marital adjustment and marital conflict, even when controlling depression. In a prospective study of 120 younger married couples, husbands’ and wives’ optimism scores predicted increases in their own marital adjustment (actor effects), and husbands’ optimism predicted increases in wives’ marital adjustment (partner effect), again even when controlling depression. Overall, these studies indicate that interpersonal processes may contribute to the associations of optimism with health, and illustrate the value of the interpersonal perspective as an integrative conceptual and methodological framework.
Chair: Wendy M. Troxel, PhD
Discussant: Julianne Holt-Lunstad, PhD

Individual Abstract Number: 428
ADULT ATTACHMENT, CLOSE RELATIONSHIPS, AND NOCTURNAL BLOOD PRESSURE: A NEW MECHANISM?
Wendy M. Troxel, PhD, Health Division, RAND Corporation, Pittsburgh, PA, Daniel J. Buysse, MD, Amy Begley, MS, Psychiatry, Karen A. Matthews, PhD, Psychiatry, Psychology, and Epidemiology, University of Pittsburgh, Pittsburgh, PA

Individual Abstract Number: 474
AN INTERPERSONAL ANALYSIS OF PSYCHOSOCIAL STRESS AND SLEEP
Heather E. Gunn, PhD, Kenneth L. Critchfield, PhD, Julia E. Mackaronis, MS, Psychology, University of Utah, Salt Lake City, UT, Laura E. McArthur, PhD, Child & Adolescent Services, UCSF, San Francisco, CA, Holly K. Rau, MS, Matthew R. Cribbet, MS, Paula G. Williams, PhD, Psychology, University of Utah, Salt Lake City, UT

Individual Abstract Number: 501
ASSOCIATIONS AMONG RELATIONSHIP QUALITY, SLEEP QUALITY, AND HIGH FREQUENCY HEART RATE VARIABILITY
Matthew R. Cribbet, MS, Paula G. Williams, PhD, Holly K. Rau, MS, Lindsay R. Vaux, MS, Psychology, University of Utah, Salt Lake City, Utah

Individual Abstract Number: 507
DAILY SELF-DISCLOSURE AND SLEEP BEHAVIOR IN COUPLES
Heidi S. Kane, PhD, Richard B. Slatcher, PhD, Psychology, Wayne State University, Detroit, Michigan, Bridget Reynolds, PhD, Ren Audet, PhD, Psychology, University of California Los Angeles, Los Angeles, CA, Theodore Robles, PhD, Psychology, University of California Los Angeles, Los Angeles, California

Symposium 124: Innovative Methods at the Intersection of Biobehavioral Medicine and Social/Personality Psychology: Hosted by the Social Personality Health Network
Co-chairs: A. Janet Tomiyama, PhD and Sarah D. Pressman, PhD

Individual Abstract Number: 180
TEXT MESSAGING FOR EXPERIENCE SAMPLING: AN INNOVATIVE WAY TO ASSESS REAL-WORLD HEALTH BEHAVIORS
Elliot T. Berkman, Ph.D., Psychology, University of Oregon, Eugene, OR

Individual Abstract Number: 181
INNOVATIVE REAL-WORLD ASSESSMENT OF HEALTH-RELEVANT SOCIAL PROCESSES: THE EAR AND LIWC IN PSYCHOSOMATIC MEDICINE
Megan L. Robbins, PhD, Matthias R. Mehl, PhD, Psychology, University of Arizona, Tucson, AZ

Individual Abstract Number: 182
A TALE OF TWO TRADITIONS: THE MARRIAGE OF SOCIAL-PSYCHOLOGICAL AND EPIDEMIOLOGICAL APPROACHES FOR ADVANCING UNDERSTANDING OF SOCIAL RISK AND PROTECTIVE FACTORS FOR HEALTHY AGING
Tara L. Gruenewald, PhD, Davis School of Gerontology, University of Southern California, Los Angeles, CA

Individual Abstract Number: 183
HOW TO INCREASE THE IMPACT OF RESEARCH ON PERSONALITY AND HEALTH
Michael F. Scheier, PhD, Psychology, Carnegie Mellon University, Pittsburgh, PA

Paper Session: Depression, Insulin Sensitivity, and Diabetes
Chair: Susan A. Everson-Rose, PhD

Abstract 346
SOMATIC-VEGETATIVE SYMPTOMS OF DEPRESSION PREDICT 6-YEAR INCREASES IN INSULIN RESISTANCE: DATA FROM THE PITTSBURGH HEALTHY HEART PROJECT
Taneem Khambaty, M.S., Jesse C. Stewart, Ph.D., Psychology, Indiana University Purdue University Indianapolis (IUPUI), Indianapolis, IN, Matthew F. Muldoon, MD, MPH, Heart & Vascular Institute, Thomas W. Kamarck, Ph.D., Psychology, University of Pittsburgh, Pittsburgh, PA
Abstract 661
ARE THE SOMATIC-AFFECTIVE AND COGNITIVE SYMPTOMS OF DEPRESSION DIFFERENTIALLY ASSOCIATED WITH INSULIN RESISTANCE?
Anthony W. Austin, PhD, Exercise Science, Concordia University, Montréal, Quebec, Canada, Jennifer L. Gordon, PhD, Psychiatry, University of North Carolina, Chapel Hill, NC, Kim L. Lavoie, PhD, Chronic Disease Research Axe, Hôpital du Sacré-Coeur de Montréal, Montréal, QC, Canada, André B. Arsenault, PhD, Research Centre, Montreal Heart Institute, Montréal, Québec, Canada, Simon L. Bacon, PhD, Exercise Science, Concordia University, Montréal, Quebec, Canada

Abstract 443
SOMATIC, BUT NOT NONSOMATIC, SYMPTOMS OF DEPRESSION ARE ASSOCIATED WITH INSULIN RESISTANCE: NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY (NHANES) 2005-2010
Elizabeth Vrany, B.A., Jessica Berntson, B.A., Tasneem Khambaty, M.S., Jesse C. Stewart, Ph.D., Psychology, Indiana University-Purdue University Indianapolis (IUPUI), Indianapolis, IN

Abstract 107
THE CO-OCCURRENCE OF DEPRESSION IN DIABETES: AN ANALYSIS OF 231,797 INDIVIDUALS FROM 47 COUNTRIES IN THE 2002 WORLD HEALTH SURVEY.
Paula M.C. Mommersteeg, PhD, Center of Research on Psychology in Somatic diseases (CoRPS), Tilburg University, Tilburg, the Netherlands, Richard I.G. Holt, PhD, Human Development and Health Academic Unit, University of Southampton, Southampton, UK, Adrian Loerbroks, PhD, MIPH, Raphael Herr, MSc, Mannheim Institute of Public Health (MIPH), Heidelberg University, Mannheim, Germany, François Pouwer, PhD, CoRPS, Tilburg University, Tilburg, the Netherlands

Abstract 431
DEPRESSIVE SYMPTOMS ARE NEGATIVELY RELATED TO KIDNEY FUNCTION IN TYPE 2 DIABETES
Ashley E. Moncrieft, MS, Psychology, University of Miami, Coral Gables, Florida, Ron Goldberg, MD, Medicine, University of Miami, Miami, FL, Maria M. Llabre, PhD, Psychology, University of Miami, Coral Gables, FL, Armando J. Mendez, Ph.D, Medicine and Diabetes Research Institute, University of Miami, Miami, FL, Miriam Gutt, Ph.D, Medicine, University of Miami, Miami, Florida, Neil Schneiderman, PhD, Psychology, University of Miami, Coral Gables, Florida

3:00 - 3:15 pm
Break

3:15 - 4:15 pm
Concurrent Sessions

Symposium 120: Blunted Physiological Responses to Acute Psychological Stress
Co-chairs: Anna C. Phillips, PhD and William Lovallo, PhD
Discussant: Peter Gianaros, PhD

Individual Abstract Number: 123
BLUNTED CARDIOVASCULAR AND CORTISOL STRESS REACTIVITY AND THE METABOLIC SYNDROME
Susanne R. de Rooij, PhD, Clinical Epidemiology, Biostatistics and Bioinformatics, University of Amsterdam, Amsterdam, Noord-Holland, the Netherlands

Individual Abstract Number: 124
BLUNTED CARDIAC STRESS REACTIVITY RELATES TO NEURAL HYPOACTIVATION
Annie T. Ginty, PhD, School of Sport & Exercise Sciences, University of Birmingham, Birmingham, West Midlands, UK, Peter J. Gianaros, PhD, Department of Psychology, University of Pittsburgh, Pittsburgh, PA, Stuart W. Derbyshire, PhD, Psychology, Anna C. Phillips, PhD, Douglas Carroll, PhD, Sport & Exercise Sciences, University of Birmingham, Birmingham, West Midlands, UK

Individual Abstract Number: 125
IS ‘BLUNTING’ A SUPPRESSED RESPONSE OR A NON-RESPONSE? AN EXPERIMENTAL TEST USING SLEEP-RESTRICTION AS AN ACUTE STRESSOR
Brian M. Hughes, PhD, Psychology, National University of Ireland, Galway, University Road, Galway, Ireland, Siobhán Howard, PhD, Psychology, Mary Immaculate College, University of Limerick, South Circular Road, Limerick, Ireland, Áine D. O’Leary, H. Dip Psych, Psychology, National University of Ireland, Galway, University Road, Galway, Ireland, Jack E. James, PhD, Psychology, Reykjavik University, Menntavegi 1, Reykjavik, Iceland
Abstract 624
QUALITY OF DAILY SPOUSAL INTERACTIONS EXPLAIN THE ASSOCIATION BETWEEN MARITAL COHESION AND CAROTID ATHEROSCLEROSIS
Nataria T. Joseph, PhD, Psychology, Thomas W. Kamarck, PhD, Psychology, Psychiatry, Stephen B. Manuck, PhD, Psychology, Matthew F. Muldoon, MD, Medicine, Kim C. Sutton-Tyrrell, DrPH, Epidemiology, University of Pittsburgh, Pittsburgh, PA

Abstract 777
INCREASED INTERPERSONAL CONFLICT AND INCREASED NUMBER OF ROLE TRANSITIONS PREDICT POOR ADHERENCE TO ASPIRIN AFTER ACUTE CORONARY SYNDROMES (ACS)
Ian M. Kronish, MD, Medicine, Columbia University Medical Center, New York, New York, Nina Rieckmann, PhD, Berlin School of Public Health, Charité Universitätsmedizin, Berlin, BE, Germany, Matthew Burg, PhD, Carmela Alcantara, PhD, Karina W. Davidson, PhD, Medicine, Columbia University Medical Center, New York, NY

Abstract 649
RELATIONSHIP STATUS AND QUALITY MODERATE DAILY PAIN-RELATED CHANGES IN PHYSICAL DISABILITY, AFFECT, AND COGNITIONS IN WOMEN WITH CHRONIC PAIN
Shannon S. Taylor, M.A., Mary C. Davis, Ph.D., Alex J. Zautra, Ph.D., Psychology, Arizona State University, Tempe, Arizona

Abstract 771
NATURALISTICALLY-OBSERVED INTERPERSONAL CONFLICT AND POSITIVE MATERNAL BEHAVIORS ARE ASSOCIATED WITH CHILDREN’S DIURNAL CORTISOL PATTERNS
Heidi S. Kane, PhD, Slatcher, PhD, Erin T. Tobin, BA, Dan Saleh, BA, Stefan Goetz, BS, Justin Carre, PhD, Psychology, Wayne State University, Detroit, MI, Derek Wildman, PhD, Molecular Medicine and Genetics, Sylvie Naar-King, PhD, Merill Palmer Skillman Institute, Wayne State’s School of Medicine, Detroit, MI, Pawadee Poowutkitkul, MD, Pediatrics, Wayne State University, Detroit, MI, Wayne Pierantoni, MD, Allergy & Asthma, Grosse Pointe Allergy & Asthma Center, P.C., Eastpointe, MI, Elizabeth Secord, MD, Pediatrics, Wayne State’s School of Medicine, Detroit, MI

Paper Session: Obesity and Overweight
Chair: Kristen Salomon, PhD

Abstract 425
PSYCHOSOCIAL STRESSORS AND CHANGE IN VISCERAL FAT IN AFRICAN-AMERICAN AND CAUCASIAN WOMEN: STUDY OF WOMEN’S HEALTH ACROSS THE NATION (SWAN) HEART STUDY
Susan A. Everson-Rose, PhD, Co Duong, BS (in progress), Gina Piscitello, BS, Kimberly M. Henderson, BS, Cari J. Clark, ScD, Medicine, University of Minnesota, Minneapolis, MN, Imke Janssen, PhD, Preventive Medicine, Rush University Medical Center, Chicago, IL, Qi Wang, MS, Clinical and Translational Science Institute, University of Minnesota, Minneapolis, MN, Kim Sutton-Tyrrell, DrPH, Epidemiology, Karen A. Matthews, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Abstract 155
THE RELATIONSHIP OF C-REACTIVE PROTEIN TO OBESITY-RELATED DEPRESSIVE SYMPTOMS: A LONGITUDINAL STUDY
Michael Daly, PhD, Socio-Management, University of Stirling, Stirling, Stirlingshire, Scotland

Abstract 68
DEPRESSIVE SYMPTOM CLUSTERS AS PREDICTORS AND CONSEQUENCES OF ADIPOSITY OVER A 9-YEAR PERIOD: THE AFRICAN AMERICAN HEALTH STUDY
Misty A. Hawkins, MS, Psychology, Indiana University Purdue University, Indianapolis, IN, Jesse C. Stewart, PhD, Psychology, Indiana University Purdue University Indianapolis, Indianapolis, IN, Douglas K. Miller, MD, Internal Medicine, Indiana University School of Medicine, Indianapolis, IN

Abstract 792
DO WORK RELATED PSYCHOSOCIAL RESOURCES PROTECT YOU AGAINST BECOMING OBSESE?
Joachim E. Fischer, MD, Marc Jarzczok, MA, Maren Thole, MA, Mannheim Institute of Public Health, Mannheim Medical Faculty, Heidelberg University, Mannheim, BW, Germany, Matthias Schoenwald, MA, Laura Rotar, MPH, Project Management, HealthVision Ltd., Heidelberg, BW, Germany
Abstract 489
LOW VITAMIN D AND DEPRESSION: A SYSTEMATIC REVIEW AND META-ANALYSIS OF PROSPECTIVE ASSOCIATIONS AND INTERVENTION EFFECTS
Jonathan A. Shaffer, PhD, Donald Edmondson, PhD, Lauren Taggart Wasson, MD, Louise Falzon, PGDipInf, Kirsten Homma, BS, Medicine, Columbia University, New York, NY; Peter C. Li, BA (in progress), College of Arts and Sciences, New York University, New York, NY; Nchedochukwu Ezeokoli, BS (in progress), Stanford School of Humanities and Sciences, Stanford University, Stanford, CA; Karina W. Davidson, PhD, Medicine, Columbia University, New York, NY

Abstract 648
CORTISOL MOBILIZATION PREDICTS EXPOSURE THERAPY OUTCOME AMONG PANIC PATIENTS
Ana F. Trueba, MA, David Rosenfield, PhD, Lavanya Bhaskara, MA, Psychology, Southern Methodist University, Dallas, Texas; Israel Liberzon, MD, Psychiatry, Richard J. Auchus, MD, PhD, Internal Medicine, James Abelson, MD, PhD, Psychiatry, University of Michigan, Ann Arbor, Michigan; Thomas Ritz, PhD, Alicia E. Meuret, PhD, Psychology, Southern Methodist University, Dallas, Texas

Abstract 281
THE PROSPECTIVE IMPACT OF MOOD AND ANXIETY DISORDERS ON 5-YEAR ASTHMA CONTROL AND HEALTH SERVICE USE
Kim L. Lavoie, PhD, Karine Ouellet, BSc, Psychology; Chest Medicine, University of Quebec at Montreal; Hopital du Sacre-Coeur, Montreal, Quebec, Canada; Gregory Moullec, PhD, Simon L. Bacon, PhD, Exercise Science; Chest Medicine, Concordia University; Hopital du Sacre-Coeur, Montreal, Quebec, Canada

Abstract 322
INFECTION LOAD AS A PREDISPOSING FACTOR IN SOMATOFORM DISORDERS
Tamara E. Lacourt, MSc, Jan H. Houtveen, PhD, Clinical and Health Psychology, Utrecht University, Utrecht, the Netherlands; Hugo M. Smeets, PhD, Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht, Utrecht, the Netherlands; Myriam M. Lipovsky, PhD, Altrecht Psychosomatic Medicine Elkenboom, Altrecht GGZ, Zeist, the Netherlands; Lorenz J. van Doornen, PhD, Clinical and Health Psychology, Utrecht University, Utrecht, the Netherlands

Plenary Address:
How APS Tames Both Psychobabble and Neuromania
Chair: Benjamin Natelson, MD
Presenter: Paul McHugh, MD, University Distinguished Professor of Psychiatry, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

This session will endeavor to make clear how historically, psychiatrists have tended to veer from the side of overestimating mental sources of distress to the opposite side of overemphasizing cerebral sources of distress. The American Psychosomatic Society is committed to the interactions of mind and body and mediates in resolving the conflicts between mentalists and materialists. In that process the Society has advanced psychiatric understanding and practice. Dr. McHugh’s talk will explore how these separate themes have played out historically in American psychiatric thought and where we stand today.

Poster Session 1
Posters #35 through #145 will be presented tonight (see page 45).

Mentor/Mentee Program
Mentor and mentee participants who have registered for this program are invited to network at this reception.
### 6:45 - 7:30 am: Wellness II: Tai Chi with Crista Crittenden

**Location:** ESCORIAL/ALHAMBRA

Have you read the studies finding that Tai Chi and Qigong can improve sleep and physical functioning, as well as reduce blood pressure, anxiety, depression, and fall risk, but are still unsure of exactly what Tai Chi and Qigong entail? Join us for an early morning introductory session, where we will warm up your Chi (or life force) and get you ready for a full day at APS! The 45 minute session will include a basic review of key Tai Chi concepts such as dan tien (your energy center), the horse-riding stance and pushing hands exercises. You will also learn some of the 18 forms of Qigong, including Paint a Rainbow and Pushing a Wave. If you were ever curious about learning more about this "internal" martial art, please come and enjoy this relaxing and energizing practice! Space is limited - please check with the APS Registration Desk for availability.

### 7:00 am - 5:00 pm: Registration

**Location:** MEZZANINE

### 7:45 - 8:15 am: Continental Breakfast

**Location:** MEZZANINE

A light breakfast will be served.

### 8:15 - 9:15 am: Plenary Address

**Title:** A Fantasy for Future Clinical Decision-Making: The Groundwork

**Chair:** Anna C. Phillips, PhD

**Presenter:** Helena Kraemer, PhD, Professor Emerita of Biostatistics in Psychiatry, Stanford University, Palo Alto, CA

Ideally, at some future time, a patient will be diagnosed, and then, taking the individual characteristics and needs of that patient into consideration, the clinician would select that one of all available treatments most likely to "work" for that particular patient (personalized medicine). We are yet far from this goal, but the groundwork is being laid:

- Emphasis on effect sizes that can be interpreted for clinical significance rather than "p-values";
- Measuring the impact of treatment on the patient, not on various measures;
- Finding those patient characteristics that influence the effectiveness of treatments (moderators of treatment response) rather than assuming that "one size fits all);
- Discovering how best to combine moderators to optimize treatment decisions.

These approaches will be discussed, along with considerations of what it would take to achieve this, perhaps fantasy, goal.

### 9:15 - 9:45 am: Data Blitz

**Chair:** Anna C. Phillips, PhD

The Data Blitz is a preview of coming attractions in the programming scheduled for the day, so be sure to attend this session to see what exciting abstracts will be presented.

### 10:00 - 11:00 am: Concurrent Sessions

**Symposium 126: Childhood Roots of Adult Cardiovascular Risk: Focus on Early Resilience**

**Chair:** Karen A. Matthews, PhD

**Discussant:** Greg Miller, PhD

### Individual Abstract Number: 198

**Title:** CHILDREN’S PERCEPTION OF NEIGHBORHOOD SAFETY BUFFERS THE EFFECT OF NEIGHBORHOOD DISORDER ON SLEEP

Jennifer McGrath, PhD, Pediatric Public Health Psychology Laboratory, Concordia University, Montreal, QC, Canada, Denise C. Jarrin, PhD, École de psychologie; Centre de recherche Université Laval Robert-Giffard, Université Laval, Québec City, Québec, Canada

### Individual Abstract Number: 199

**Title:** PSYCHOLOGICAL RESILIENCE AMONG LOW SOCIOECONOMIC STATUS YOUTH AND IMPLICATIONS FOR CARDIOVASCULAR RISK PROFILES

Edith Chen, PhD, Psychology, Northwestern University, Evanston, IL
Individual Abstract Number: 297
INTRA- AND INTER-PERSONAL RESOURCES AND CARDIOVASCULAR RISK AMONG BLACK AND WHITE ADOLESCENTS
Karen A. Matthews, PhD, Psychiatry, Aimee J. Midei, MS, Psychology, Tanisha I. Burford, PhD, Carissa A. Low, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Paper Session: Autonomics and Blood Pressure
Chair: Martica Hall, PhD

Abstract 749
CONCURRENT PARASYMPATHETIC ACTIVITY CAN ATTENUATE OR ENHANCE SYMPATHETIC INFLUENCES ON SAA
Rene van Lien, MSc, Biological Psychology, Vrije Universiteit, Amsterdam, NH, The Netherlands, Jos A. Bosch, PhD, Tamas Nagy, MSc, Clinical Psychology, University of Amsterdam, Amsterdam, NH, The Netherlands, Enno C. Veerman, PhD, Petra van den Keybus, MSc, Oral Biochemistry, Academic Centre for Dentistry, Amsterdam, NH, The Netherlands, Gonneke Willemse, PhD, Eco J. de Geus, PhD, Biological Psychology, Vrije Universiteit, Amsterdam, NH, The Netherlands

Abstract 175
AUTONOMIC IMBALANCE PREDICTS THE DEVELOPMENT OF METABOLIC SYNDROME IN THE FRAMINGHAM HEART STUDY
Lawson R. Wulsin, MD, Psychiatry, Paul Horn, PhD, Mathematics, Jennifer Perry, PhD, Psychiatry, University of Cincinnati, Cincinnati, Ohio, Joseph Massaro, PhD, Ralph D’Agostino, PhD, Mathematics and Statistics, Boston University, Boston, Massachusetts

Paper Session: Physical Activity
Chair: Maida Sewitch, PhD

Abstract 302
BLOOD PRESSURE ‘NON-DIPPING’ STATUS IS ASSOCIATED WITH GREATER OVERNIGHT EPINEPHRINE EXCRETION
James D. Lane, Ph.D., Psychiatry and Behavioral Sciences, Cynthia M. Kuhn, Ph.D., Pharmacology & Cancer Biology, Richard S. Surwit, Ph.D., Ilene C. Siegler, Ph.D., M.P.H., Beverly H. Brummett, Ph.D., Redford B. Williams, M.D., Psychiatry and Behavioral Sciences, Duke University School of Medicine, Durham, NC

Abstract 268
SELF-REPORTED ENGAGEMENT IN ABSORBING SELF-SELECTED ACTIVITIES PREDICTS LOWER AMBULATORARY BLOOD PRESSURE
Matthew J. Zawadzki, PhD, Joshua M. Smyth, PhD, Biobehavioral Health, The Pennsylvania State University, University Park, PA, Marcellus M. Merritt, PhD, Psychology, University of Wisconsin Milwaukee, Milwaukee, WI, William Gerin, PhD, Biohevioral Health, The Pennsylvania State University, University Park, PA

Abstract 581
ASSOCIATIONS BETWEEN OMEGA-3 FATTY ACID CONSUMPTION, EXERCISE AND CARDIOMETABOLIC RISK
Matthew F. Muldoon, MD, Cardiology, University of Pittsburgh School of Medicine, Pittsburgh, PA, Susan Sereika, PhD, Health and Community Systems, University of Pittsburgh School of Nursing, Pittsburgh, PA, John Jackicic, PhD, Health and Physical Activity, University of Pittsburgh, Pittsburgh, PA, Bret Goodpaster, PhD, Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA, Jeffrey K. Yao, PhD, Psychiatry and Pharmaceutical Sciences, Pittsburgh VA Healthcare System, Pittsburgh, PA, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

Abstract 86
EXERCISE MEDIATES THE ASSOCIATION BETWEEN POSITIVE AFFECT AND MORTALITY IN PATIENTS WITH ISCHEMIC HEART DISEASE UP TO 5 YEARS FOLLOW-UP
Madelein T. Hoogwegt, MSc, Medical & Clinical Psychology, Tilburg University, Tilburg, Noord-Brabant, The Netherlands, Ann-Dorthe Zwisler, MD, PhD, National Institute of Public Health, University of Southern Denmark, Copenhagen, Copenhagen, Denmark, Susanne S. Pedersen, PhD, Medical & Clinical Psychology, Tilburg University, Tilburg, Noord-Brabant, The Netherlands, Lau C. Thygesen, PhD, Tina B. Hansen, MSc, National Institute of Public Health, University of Southern Denmark, Copenhagen, Copenhagen, Denmark, Henneke Versteeg, PhD, Medical & Clinical Psychology, Tilburg University, Tilburg, Noord-Brabant, The Netherlands

Abstract 709
STRESS-INDUCED ELEVATIONS OF FATIGUE ARE ASSOCIATED WITH PHYSICAL ACTIVITY: PHYSICAL ACTIVITY AS A BUFFER OF STRESS
Jana Strahler, PhD, Psychology, University of Marburg, Marburg, Hesse, Germany, Beate Ditzen, PhD, Psychology, University of Zurich, Zurich, Zurich, Switzerland, Johanna M. Doerr, MSc, Urs M. Nater, PhD, Psychology, University of Marburg, Marburg, Hesse, Germany
Abstract 658
THE ASSOCIATION OF MOOD AND ANXIETY DISORDERS ON PHYSICAL ACTIVITY CHANGES OVER 2 YEARS.
Simon L. Bacon, PhD, Montreal Behavioural Medicine Centre, Hopital du Sacre-Coeur de Montreal, Montreal, Quebec, Canada, Andre Arsenault, MD, Bernard Meloche, TNM, Montreal Behavioural Medicine Centre, Montreal Heart Institute, Montreal, Quebec, Canada, Kim L. Lavoie, PhD, Montreal Behavioural Medicine Centre, Hopital du Sacre-Coeur de Montreal, Montreal, Quebec, Canada

Paper Session: Dyadic Approaches
Chair: Ted Robles, PhD

Abstract 522
DYADIC ADJUSTMENT TO CANCER: ILLNESS PERCEPTIONS AND POST-TRAUMATIC STRESS SYMPTOMS IN ADOLESCENT AND YOUNG ADULT PATIENTS AND THEIR CAREGIVERS
Vanessa C. Juth, MA, Roxane C. Silver, PhD, Psychology and Social Behavior, Leonard C. Sender, MD, Medicine, University of California Irvine, Irvine, CA

Abstract 142
"WE" OVEREAT, BUT "I" CAN STAY THIN: PRONOUN USE AND BMIS IN COUPLES SHARING UNHEALTHY EATING HABITS.
Jane A. Skoyen, M.A., Psychology, Evette J. Richardson, B.S., Ashley K. Randall, Ph.D., Shannon A. Corkery, M.S., Family Studies and Human Development, Matthias R. Mehl, Ph.D., Psychology, Emily A. Butler, Ph.D., Family Studies and Human Development, University of Arizona, Tucson, AZ

Abstract 613
EMOTIONAL AND CARDIOVASCULAR RESPONSES TO COUPLE CONFLICT IN POSTTRAUMATIC STRESS DISORDER: A STUDY OF IRAQ AND AFGHANISTAN WAR VETERANS AND PARTNERS
Catherine M. Caska, M.S., Timothy W. Smith, Ph.D., Psychology, University of Utah, Salt Lake City, UT, Keith D. Renshaw, Ph.D., Psychology, George Mason University, Fairfax, VA, Steven N. Allen, Ph.D., PTSD Clinical Team, Salt Lake City VA Medical Center, Salt Lake City, UT

Abstract 759
LIFE COURSE SOCIOECONOMIC STATUS AND CARDIOVASCULAR REACTIVITY TO FAMILY CONFLICT: THE ROLE OF DISCREPANT THREAT APPRAISALS IN PARENT-CHILD DYADS
Meanne Chan, MA, Edith Chen, PhD, Psychology, Northwestern University, Evanston, IL

11:00 - 11:15 am
Break

11:15 am - 12:30 pm
Concurrent Sessions

Invited Symposium: Socio-Cultural Factors and Cardiometabolic Health in Hispanics/Latinos:
The HCHS/SOL-Sociocultural Ancillary Study
Co-Chairs: John M. Ruiz, PhD and Neil Schneiderman, PhD
Presenters: Linda C. Gallo, PhD; Carmen Isasi, MD, PhD; and Frank Penedo, PhD
Discussant: Maria Llabre, PhD
The Hispanic Community Health Study/Study of Latinos (HCHS/SOL) is a multicenter, prospective, population-based, epidemiologic study of the Hispanic/Latino health in the US. The study is sponsored by the National Heart, Lung, and Blood Institute (NHLBI) along with 6 other institutes, centers, and offices of the NIH. The sample includes 16,000 participants representing 8 target backgrounds. This symposium featuring presenters from 3 of the 4 data collection sites will be amongst the first to present findings from the ancillary study of socio-cultural factors and cardiometabolic health.

CHRONIC STRESS AND CARDIOVASCULAR DISEASE RISK AND PREVALENCE IN THE U.S. HISPANICS/LATINOS IN THE HCHS/SOL SOCIOCULTURAL ANCILLARY STUDY
Linda C. Gallo, PhD, Professor, Psychology, San Diego State University, San Diego, CA
Little is known about chronic stress experiences and their associations with cardiovascular disease (CVD) risk and prevalence in Hispanics/Latinos. The current study examined the cross-sectional relationships of chronic stress burden with CVD prevalence and estimated 30-year CVD event risk (based on an equation developed in the Framingham offspring cohort) among 4468 individuals of Hispanic/Latino descent from the HCHS/SOL Sociocultural Ancillary Study (SCAS). On average, participants reported 1.90 chronic stressors; 23% reported no stressors and 31% reported 3 or more stressors. The most common stressors were ongoing financial strain (49.7%), serious health problem in close other (40.9%), and caregiving stress (40.1%). Each additional chronic stressor was associated with a 24% (OR = 1.24, 95% CI 1.14,1.35) and 20% (OR = 1.20, 95% CI 1.02,1.42) increased odds of prevalent coronary heart disease (CHD) and stroke, respectively. In participants free from CVD
THE ASSOCIATION OF CHRONIC STRESS WITH ADIPOSY IN HISPANIC/LATINO ADULTS. RESULTS FROM THE HCHS/SOL SOCIO-CULTURAL ANCILLARY STUDY
Carmen R. Isasi, MD, PhD, Assistant Professor, Department of Epidemiology & Population Health, Albert Einstein College of Medicine, New York, NY

Prior studies suggest that high stress levels are associated with obesity, and the association might be stronger for visceral adiposity. However, few studies distinguish between type, duration or timing of stressful exposures. This presentation used data from the HCHS/SOL Socio-cultural ancillary study, a large sample of Hispanic/Latino adults (N = 5253), to examine the association of chronic and recent stress with several indicators of adiposity (obesity, percent body fat and waist circumference) in a diverse sample of Hispanic/Latino adults. Three indicators of stress were studied: chronic stress lasting for at least 6 months (Chronic Burden Scale), lifetime exposure to stressors (Traumatic Stress Schedule), and perceived stress during the last month (past month, Cohen's Perceived Stress Scale). Odds ratios (OR) using multinomial and linear regression models were conducted to describe the association of stressors with categorical and continuous outcomes; models were adjusted for study sampling design and potential confounders. Results show that 37% of participants were overweight and 41% obese. Mean (standard error) percent body fat and waist circumference were 33.5 (0.22) and 97.9 (0.35). Mean scores of chronic stress, traumatic stress and perceived stress were 1.8 (0.04), 2.1 (.04), and 14.9 (0.16), respectively. After adjustment for confounders, the odds of obesity increased with number of chronic stress events (OR = 1.14, 95% CI 1.06, 1.22). Higher number of chronic stressors was also associated with increased percentage body fat (ß = 0.53, 95% CI 0.30, 0.75) and waist circumference (ß = 1.26, 95% CI 0.83,1.69). Perceived stress during the past month was associated with higher waist circumference but not with obesity and percentage body fat. These findings indicate that exposure to chronic stressors lasting > 6 months is more relevant for adiposity than recent exposure (past month) in Hispanics. As high stress and obesity are important problems among Hispanics, stress management techniques may need to be incorporated in obesity prevention and treatment programs for this population.

FAMILIAL PROCESSES AND THE METABOLIC SYNDROME IN HISPANICS/LATINOS IN THE US
Frank J. Penedo, PhD, Professor, Department of Medical Social Sciences, Northwestern University, Chicago, IL

Greater attention is being given to how cultural processes may influence intermediate risk factors for cardiovascular disease (CVD) and subsequent health outcomes among Hispanic/Latinos in US. On such cultural process is familism the notion that the family social structure takes precedence over individual needs. Most work, however, has been limited to theoretical models and are lacking in empirical studies. Furthermore, little is known about how family structure and dynamics (i.e., cohesion, conflict), may interact with familistic attitudes. The current study evaluated the relationship between familism, family environment and the metabolic syndrome (MetSyn) in 3,278 Hispanic/Latino participants aged 45 years and older from the HCHS/SOL Sociocultural Ancillary Study. Controlling for relevant covariates, logistic regression results indicated no significant main effects of familism on the MetSyn. However, there was a significant familism by family cohesion interaction (ß = -.069, p = .033). Post-hoc analyses showed that at high levels (+1 SD of family cohesion, familialism was negatively and significantly associated with likelihood of having the MetSyn (OR = .862, ß = -.148, p = .044). In contrast, at low levels (-1 SD) of family cohesion, familism was positively associated with likelihood of having the MetSyn, but the association was not significant (OR = 1.151, ß = .140, p = .156). Familism is differentially related to the MetSyn as a function of the social environment of the family unit.

Symposium 143: Autonomic Nervous System Activity in the Metabolic Syndrome and Chronic Low-Grade Inflammation
Chair: Eco J. de Geus, PhD
Discussant: Robert Carney, PhD

Individual Abstract Number: 440
THE COMBINED EFFECT OF DEPRESSION AND PHYSICAL INACTIVITY ON INFLAMMATION AND AUTONOMIC NERVOUS SYSTEM MEASURES: LONGITUDINAL ASSOCIATIONS WITH CARDIOVASCULAR MORTALITY
Willem J. Kap, PhD, Medical Psychology and Neuropsychology, Center of Research on Psychology in Somatic diseases (CoRPS), Tilburg University, Tilburg, WB, Netherlands, Phyllis K. Stein, MD, Division of Cardiology, Washington University School of Medicine, St Louis, MO, Helma M. de Morree, PhD, Department of Medical Psychology and Neuropsychology Center of Research on Psychology in Somatic diseases (CoRPS), Tilburg University, Tilburg, NB, Netherlands, John S. Gottdiener, MD, Echocardiography Laboratory, University of Maryland Hospital, Baltimore, MD

Individual Abstract Number: 441
INTERRELATIONSHIPS AMONG AUTONOMIC DYSFUNCTION, METABOLIC SYNDROME AND INFLAMMATION: A TWIN STUDY
Viola Vaccarino, MD PhD, Emory University School of Public Health and Department of Medicine, Emory University School of Medicine, Atlanta, GA, Shaoqung Su, PhD, Pediatrics, Georgia Health Sciences University, School of Medicine, Augusta, GA, Rachel Lampert, MD, Cardiology, Yale University School of Medicine, New Haven, CT, Anil Gehi, MD, Medicine, University of North Carolina, Chapel Hill, Chapel Hill, NC, J D Bremner, MD, Psychiatry
and Behavioral Sciences, Emory University School of Medicine, Atlanta, GA, Jack Goldberg, PhD, Vietnam Era Twin Registry and Department of Epidemiology, University of Washington School of Public Health, Seattle, WA

**Individual Abstract Number: 442**
THE ASSOCIATION OF AUTONOMIC NERVOUS SYSTEM ACTIVITY WITH CHRONIC LOW-GRADE INFLAMMATION AT 5-YEAR FOLLOW-UP
Melanie Neijts, MSc, Gonneke Willemsen, PhD, Rene van Lien, MSc, Dorret I. Boomsma, PhD, Biological Psychology, VU University, Amsterdam, NH, Netherlands, Eco J. de Geus, PhD, Biological Psychology, EMGO+ Institute, VU University & VU Medical Center, Amsterdam, NH, Netherlands

**Individual Abstract Number: 444**
DYSREGULATION OF THE AUTONOMIC NERVOUS SYSTEM PREDICTS DEVELOPMENT OF THE METABOLIC SYNDROME
Brenda Penninx, PhD, Psychiatry, VU Medical Center, Amsterdam, NH, Netherlands, Carmilla M. Licht, PhD, Clinical Neuropsychology, VU University, Amsterdam, NH, Netherlands, Eco J. de Geus, PhD, Biological Psychology, EMGO+ Institute, VU University & VU Medical Center, Amsterdam, Netherlands

**Paper Session: Emotion, Physiology, and Health**
*Chair: Paula G. Williams, PhD*

**Abstract 623**
EATING BEHAVIORS AND MOOD IN WOMEN’S EVERYDAY LIVES
Kristin E. Heron, Ph.D., Survey Research Center, Stacey B. Scott, Ph.D., Center for Healthy Aging, Martin J. Sliwinski, Ph.D., Human Development and Family Studies, Joshua M. Smyth, Ph.D., Biobehavioral Health, The Pennsylvania State University, University Park, PA

**Abstract 285**
REVISITING THE LACK OF CORRESPONDENCE BETWEEN SELF-REPORTED AFFECT AND PHYSIOLOGY
Matthew J. Zawadzki, PhD, Biobehavioral Health, The Pennsylvania State University, University Park, PA, Joshua M. Smyth, PhD, Biobehavioral Health, The Pennsylvania State University, University Park, PA, Martin J. Sliwinski, PhD, Health and Human Development, William Gerin, PhD, Biobehavioral Health, The Pennsylvania State University, University Park, PA

**Abstract 174**
EMOTIONS, SYMPTOMS AND ACTIVITY PATTERNS IN CHRONIC FATIGUE SYNDROME: AN EXPERIENCE SAMPLING METHODOLOGY STUDY.
Alison J. Wearden, PhD, Christine Barrowclough, PhD, Rebecca Band, MSc, Kim Caldwell, MSc, School of Psychological Sciences, University of Manchester, Manchester, UK, UK

**Abstract 401**
POSITIVE/NEGATIVE AFFECT (GLOBAL MOOD SCALE) AND THEIR ASSOCIATION WITH PERCEIVED HEALTH STATUS IN 6222 PATIENTS FROM THE INTERNATIONAL HEARTQOL PROJECT
Nina Kupper, PhD, Medical & Clinical Psychology, Tilburg University, Tilburg, Noord-Brabant, the Netherlands, Neil Oldridge, PhD, School of Medicine & Public Health, University of Wisconsin, Glendale, Wisconsin, Hannah McGee, PhD, Faculty of Medicine and Health Sciences, Royal College of Surgeons in Ireland, Dublin, Leinster, Ireland, Stefan Höfer, PhD, Department of Medical Psychology, Innsbruck Medical University, Innsbruck, Tyrol, Austria, Hugo Saner, MD PhD, Cardiovascular Prevention and Rehabilitation, Bern University Hospital, Bern, Bern, Switzerland, Johan Denollet, PhD, Medical & Clinical Psychology, Tilburg University, Tilburg, Noord-Brabant, the Netherlands

**Abstract 741**
TRAIT MINDFULNESS IS ASSOCIATED WITH AFFECTIVE STABILITY, SELF-REPORTED EXECUTIVE FUNCTIONING, AND LOWER PRE-SLEEP AROUSAL IN DAILY LIFE
Holly K. Rau, M.S., Matthew Cribbet, M.S., Lindsay Vaux, B.S., Paula Williams, PhD, Psychology, University of Utah, Salt Lake City, Utah

**Paper Session: Interventions**
*Chair: Jeffrey Greeson, PhD*

**Abstract 345**
CAN FINDING HEADSPACE REDUCE WORK STRESS? A RANDOMISED CONTROLLED WORKPLACE TRIAL OF A MINDFULNESS MEDITATION APP
Sophie K. Bostock, MSc, Andrew Steptoe, DPhil, DSc, Psychobiology, UCL, London, England, UK
Abstract 206
BRIEF PSYCHOLOGICAL INTERVENTION AFTER SURGERY FOR BREAST CANCER IMPROVES AFFECT AND INCREASES BENEFIT FINDING
Lisa M. Gudenzauf, BS, Devika R. Jutagir, BA, Jamie M. Stagl, MS, Psychology, University of Miami, Coral Gables, FL, Suzanne Lechner, PhD, Psychiatry, Bonnie B. Blomberg, PhD, Microbiology and Immunology, Stefan Gluck, MD, PhD, Internal Medicine, University of Miami, Miami, FL, Charles S. Carver, PhD, Psychology, University of Miami, Coral Gables, FL, Robert P. DerHagopian, MD, FACS, Surgery, University of Miami School of Medicine, Miami, FL, Manuel A. Torres-Salichs, MD, Clinical Surgery, Florida International University School of Medicine, Miami, FL, Michael H. Antoni, PhD, Psychology, University of Miami, Coral Gables, FL

Abstract 560
CHANGES IN ILLNESS-RELATED COGNITIONS RATHER THAN DISTRESS MEDIATE IMPROVEMENTS IN IBS SYMPTOMS AND DISABILITY FOLLOWING A BRIEF COGNITIVE BEHAVIOURAL THERAPY INTERVENTION.
Rona Moss-Morris, PhD, Joseph Chilcot, PhD, Institute of Psychiatry at the Maudsley, King's College London, London, Greater London, UK

Abstract 652
IMPACT OF TELEPHONE-BASED, HEALTH BEHAVIOR CHANGE PROGRAMS ON CORTISOL REGULATION AMONG OLDER ADULTS
Guido G. Urizar, PhD, Janessa Cuomo, B.A., Dustin Thoman, PhD, Psychology, California State University, Long Beach, CA, Cynthia M. Castro, PhD, Abby C. King, PhD, Medicine, Stanford University, Palo Alto, CA

Abstract 205
THE EFFECTS OF A MINDFULNESS PROGRAM ON SUSTAINED BLOOD PRESSURE: THE HARMONY STUDY (HYPERTENSION ANALYSIS OF STRESS REDUCTION USING MINDFULNESS MEDITATION AND YOGA)
Brian Baker, FRCP, Psychiatry, University of Toronto, Toronto, ON, Canada, Jane Irvine, D.Phil, Psychology, York University, Toronto, ON, Canada, Susan Abbey, FRCP, Psychiatry, Beth Abramson, FRCP, Martin Myers, FRCP, Sheldon W. Tober, FRCP, Medicine, University of Toronto, Toronto, ON, Canada, Kimberly Blom, B.Sc., Monica Dai, B.Sc., Maxine How, B.Sc., Nancy Perkins, B.Sc., Medicine, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada

12:30 - 1:30 pm
Roundtable Lunches and Meetings

Meet the Editors Roundtable
Facilitators: Jos Bosch, PhD, Senior Associate Editor, Health Psychology; Susan A. Everson-Rose, PhD, Associate Editor, Psychosomatic Medicine; Willem J. Kop, PhD, Editor-in-Chief, Psychosomatic Medicine; Alison Wearden, Editor-in-Chief, British Journal of Health Psychology and Paula G. Williams, PhD, Associate Editor, PhD, Journal of Behavioral Medicine

Ever wanted to know what really goes through an editor’s mind when reviewing your manuscript? Here’s your chance to find out. Join editors from top journals in behavioral medicine for an informal discussion about the review process. Editors will talk candidly about common pitfalls, red flags, turn-ons, and selling points and provide you with real-life advice about getting published. Attendees will be asked to submit inquiries anonymously at the beginning of the panel - so come prepared with your most burning and daring questions.

Lab to Market 2013 Roundtable
Facilitators: Steven E. Locke, MD, Bruce L. Rollman, MD, MPH and Michael H. Antoni, PhD

Efforts underway to reform US healthcare have already created new opportunities for innovative approaches to the integration of behavioral health into primary care and specialty medical practice. This is particularly true for the management of chronic medical conditions as well as for behavioral health risks such as the epidemic of obesity with its relentless impact on morbidity, mortality, health costs, and productivity. The emergence of new models of care (collaborative care, shared decision-making, and mental health parity), new technologies (eHealth, mHealth, the medical home, social media), realignments of financial incentives (global payments, ACOs) are the building blocks for change and creating emerging opportunities for psychosomatic medicine. No other specialty is better suited to the development, evaluation and implementation of integrative care models based on scalable, evidence-based biobehavioral interventions. Clinical research in psychosomatic medicine can lead to the development of successful population health management interventions when they can be shown to be clinically effective, cost-effective, and capable of self-sustaining dissemination and implementation. One strategy, discussed during previous Lab to Market Roundtables, is the idea that commercialization is required to achieve meaningful penetration into the healthcare market because clinical innovations must be self-sustaining. The Affordable Care Act has provided both support and incentives to encourage disruptive innovation. In this year’s roundtable, we will examine several successful models for dissemination and implementation, such as IMPACT, COMPASS, and DIAMOND. Leaders in clinical innovation will discuss existing programs in which evidence-based behavioral treatments are being integrated into primary care. Participants will discuss the challenges and opportunities at the interface between psychosomatic medicine and business and the roundtable faculty will provide guidance to participants who are contemplating or beginning the development of similar efforts.
Invited Symposium: The Next Generation of Patient Reported Outcomes: The PROMIS® Initiative as a Prototype
Chair: Arthur A. Stone, PhD
Presenters: David Cella, PhD; Arthur A. Stone, PhD; and Maria Orlando Edelen, PhD
This symposium is sponsored by the British Journal of Health Psychology
The medical and social sciences often require the measurement of patients’ internal states, their evaluations, and their opinions. Although traditional psychometric techniques have served the field well, there are newer psychometric methods and data capture techniques, some of which are commonly used in educational settings, that have just begun to migrate to the health sciences. This symposium presents an overview of PRO assessment methods based on Item Response Theory (IRT) incorporating current data capture techniques (Internet, mobile devices), describes the innovative item selection methods (computerized adaptive testing), and highlights the conceptual underpinning of the methods and their promise in research and clinical settings. In short, the new methods allow for brief, yet highly precise and reliable, assessments in numerous administration formats yielding scores scaled on a common metric. Examples of the implementation of new developed PROMIS measures will demonstrate the features and applicability of these methods.

THE “NEW” PSYCHOMETRICS AND COMPUTERIZED ADAPTIVE TESTING FOR PROS
David Cella, PhD, Chair, Dept. of Medical Social Sciences, Northwestern University Feinberg School of Medicine, Chicago, IL

PRO ECOLOGICAL VALIDITY IS ENABLED BY NEW DATA CAPTURE MODALITIES
Arthur A. Stone, PhD, Dept. of Psychiatry, SUNY at Stony Brook, Stony Brook, NY

APPLICATION OF PROMIS METHODS TO INCORPORATE SMOKING INTO ITS FRAMEWORK
Maria Orlando Edelen, PhD, Senior Behavioral Scientist, RAND Corporation, Boston, MA

Symposium 140: Accelerated Cellular Aging: Impacted by Psychological and Behavioral Factors across the Life Span?
Chair: Brenda Penninx, PhD
Discussant: Elissa Epel, PhD

Individual Abstract Number: 404
TELOMERE LENGTH AND MAJOR DEPRESSIVE DISORDER: DATA FROM A LARGE PSYCHIATRIC COHORT STUDY
Josine E. Verhoeven, MSc, Psychiatry, VU University Medical Center Amsterdam, Amsterdam, The Netherlands, Dóra Révész, MSc, Psychiatry, VU University Medical Center, Amsterdam, NH, The Netherlands, Elissa S. Epel, PhD, Psychiatry, University of California, San Francisco, CA, The Netherlands, Owen M. Wolkowitz, MD, PhD, Psychiatry, University of California, San Francisco, CA, Brenda W. Penninx, PhD, Psychiatry, VU University Medical Center, Amsterdam, NH, The Netherlands

Individual Abstract Number: 407
SYMPTOMS OF DEPRESSION PROSPECTIVELY PREDICT TELOMERE LENGTH YEARS LATER, BUT ONLY AMONG YOUNGER ADULTS: EVIDENCE FROM THE WEST OF SCOTLAND TWENTY-07 STUDY
Anna C. Phillips, PhD, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, UK, Tony Robertson, PhD, Social and Public Health Sciences Unit, Medical Research Council / Chief Scientist Office, Glasgow, Scotland, United Kingdom, Paul G. Shiel, PhD, College of Medical, Veterinary & Life Sciences, University of Glasgow, Glasgow, Scotland, United Kingdom, Michaëla Benzeval, PhD, Social and Public Health Sciences Unit, Medical Research Council, Chief Scientist Office, Glasgow, Scotland, United Kingdom

Individual Abstract Number: 408
TELOMERE LENGTH IN A DUTCH TWIN FAMILY POPULATION: RELATIONSHIP WITH HEALTH, LIFESTYLE, AND PERSONALITY
Gonneke Willemsen, PhD, Biological Psychology, VU University, Amsterdam, nvt, The Netherlands, Eko J. de Geus, PhD, Marleen H. de Moor, PhD, Lannie Ligthart, PhD, Faculty of Psychology, Department of Biological Psychology, VU University Amsterdam, Amsterdam, nvt, The Netherlands, Veryan Codd, PhD, Department of Cardiovascular Sciences, University of Leicester, Leicester, England, United Kingdom, Eka D. Suchiman, MSc, Eline Slagboom, PhD, Molecular Epidemiology, Leiden University Medical Center, Leiden, nvt, The Netherlands, Dorret Boomsma, PhD, Dorret Boomsma, PhD, Biological Psychology, VU University, Amsterdam, NH, Netherlands
Individual Abstract Number: 409
A RECIPE FOR TELOMERE SHORTENING: THE COMPOUNDING EFFECT OF AN UNHEALTHY LIFESTYLE AND MAJOR LIFE EVENTS
Eli Puterman, PhD, Psychiatry, Elisabeth Blackburn, PhD, Biochemistry & Biophysics, Jue Lin, PhD, Biochemistry & Biophysics, Elissa S. Epel, PhD, Psychiatry, University of California, San Francisco, CA

Symposium 134: Current Perspectives on Maternal-Child Health in the Perinatal Period
Co-chairs: Laura Glynn, PhD

Individual Abstract Number: 382
THE IMPACT OF CATASTROPHIC STRESS ON PREGNANCY OUTCOMES
Clayton Hilmert, PhD, Psychology, North Dakota State University, Fargo, North Dakota

Individual Abstract Number: 753
FETAL STRESS HORMONE EXPOSURE PROGRAMS INFANT HPA AXIS REGULATION
Elysia Poggi Davis, PhD, Psychology, University of Denver, Denver, CO, Curt Sandman, PhD, Psychiatry, University of California, Irvine, Orange, CA

Individual Abstract Number: 758
THE ASSOCIATION BETWEEN PREGNANCY ANXIETY AND MATERNAL CORTISOL DURING PREGNANCY
Heidi Kane, PhD, Psychology, Wayne State University, Detroit, MI, Christine Dunkel Schetter, PhD, Psychology, University of California, Los Angeles, Los Angeles, CA, Laura Glynn, PhD, Psychology, Chapman University, Orange, CA, Calvin Hobel, MD, Obstetrics and Gynecology, Cedars-Sinai Hospital, Los Angeles, CA, Curt Sandman, PhD, Psychiatry, University of California, Irvine, Orange, CA

Individual Abstract Number: 763
CORTISOL, ACCULTURATION, STRESS, MOOD AND THE PROTECTIVE ROLE OF CULTURAL VALUES IN PREGNANT WOMEN OF MEXICAN DESCENT
Kimberly D’Anna-Hernandez, PhD, Psychology, California State University, San Marcos, San Marcos, CA, Randall Ross, MD, Psychiatry, University of Colorado, School of Medicine, Aurora, CO, Mary Coussons-Read, PhD, Psychology, University of Colorado, Denver, Denver, CO, Marci Lobel, PhD, Psychology, Stony Brook University, Stony Brook, NY, Mark Laudenslager, PhD, Psychology, University of Colorado, Denver, Denver, CO

Paper Session: Psychoneuroimmunology
Chair: Crista Crittenden, MPH

Abstract 317
CAREGIVING IS ASSOCIATED WITH CHANGES IN MONOCYTE SENSITIVITY TO GLUCOCORTICOIDS OVER TIME
Michael L. M. Murphy, MA, Gregory E. Miller, PhD, Psychology, Northwestern University, Evanston, IL

Abstract 368
PREMENSTRUAL CHANGES OF MOOD - A PSYCHOIMMUNOLOGICAL PHENOMENON?
Ulrike Weik, PhD, Bettina Scholz, Practitioner, Institute of Medical Psychology, Frank Oehmke, MD, Obstetrics and Gynaecology, Svetlin Tchatalbachev, PhD, Trinad Chakraborty, Professor, Institute of Medical Microbiology, Hans-Rudolf Tinneberg, Professor, Obstetrics and Gynaecology, Renate Deinzer, Professor, Institute of Medical Psychology, University of Giessen, Giessen, Hessen, Germany

Abstract 738
CONSISTENT ASSOCIATIONS BETWEEN MEASURES OF DISTRESS AND CMV REACTIVATION IN A LARGE OCCUPATIONAL SAMPLE
Jerrald L. Rector, MSc, Victoria E. Burns, PhD, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, West Midlands, United Kingdom, Marc N. Jarzok, Diploma, Adrian Loerbroks, PhD, Mannheim Institute of Public Health, Social and Preventive Medicine, Mannheim Medical Faculty, Heidelberg University, Mannheim, Baden-Württemberg, Germany, Paul Moss, MD, Cancer Research UK Centre, University of Birmingham, Birmingham, West Midlands, United Kingdom, Joachim E. Fischer, MD, Mannheim Institute of Public Health, Social and Preventive Medicine at the Mannheim Medical Faculty, Kristina Hoffman, PhD, Mannheim Institute of Public Health, Social and Preventive Medicine, Heidelberg University, Mannheim, Baden-Württemberg, Germany, Jos A. Bosch, PhD, Department of Clinical Psychology, Faculty of Social and Behavioral Sciences, University of Amsterdam, Amsterdam, Noord-Holland, The Netherlands
Abstract 769
BASAL HPA AXIS ACTIVITY IS RELATED WITH ADAPTATION OF HPA AXIS AND INFLAMMATORY RESPONSES TO REPEATED ACUTE STRESS
Xuejie Chen, M.Sc, Myriam V. Thoma, Ph.D, Danielle Gianferante, B.Sc, Christine M. McInnis, B.Sc, Nicolas Rohleder, Ph.D, Psychology Department, Brandeis University, Waltham, MA

Abstract 326
PHYSIOLOGICAL STRESS SYSTEMS AND CELLULAR AGING: ANALYSES FROM A LARGE-SCALE COHORT STUDY
Dóra Révész, MSc, Josine E. Verhoeven, MSc, Psychiatry, VU university Medical Center / GGZ inGeest, Amsterdam, The Netherlands, The Netherlands, Owen M. Wolkowitz, PhD, Elissa S. Epel, PhD, Psychiatry, University of California, San Francisco (UCSF), School of Medicine, San Francisco, California, Unites States, Brenda W. Penninx, PhD, Psychiatry, VU university Medical Center / GGZ inGeest, Amsterdam, The Netherlands, The Netherlands

3:00 - 3:15 pm
Break

3:15 - 4:15 pm
Concurrent Sessions

Symposium 135: New Innovations in Neuroimaging of Autonomic Regulation
Chair and Discussant: Richard D. Lane, MD, PhD

Individual Abstract Number: 752
THE RELATIONSHIP BETWEEN VENTRAL HIPPOCAMPAL ACTIVITY AND AUTONOMIC BRAINSTEM NUCLEI IN HUMANS
Karl J. Bär, MD, Florian Beissner, MD, PhD, Gerd Wagner, PhD, Psychiatry and Psychotherapy, Esther Blessing, MD, Psychiatry, University of Jena, Jena, Thuringia, Germany

Individual Abstract Number: 755
FUNCTIONAL IMAGING OF AUTONOMIC RESPONSES TO HYPOXIC CHALLENGE: REGIONAL CORRELATES OF PHYSIOLOGICAL CHANGES AND EFFECTS OF SLOW BREATHING
Hugo Critchley, MBBS, Psychiatry, University of Sussex Brighton, Brighton, East Sussex, UK, Alessia Nicotra, MD, PhD, Neurology, Charing Cross Hospital, London, London, UK, Patrizia Chiesa, B.A., Neurology, Fondazione IRCCS Istituto Neurologico, Milano, Lombardy, Italy, Ludovico Minati, PhD, Cognitive Neurology, Brighton and Sussex Medical School, Brighton, East Sussex, UK, Luciano Bernardi, MD, PhD, Medicine, University of Pavia, Pavia, Lombardy, Italy

Individual Abstract Number: 762
MACHINE LEARNING AND BRAIN-AUTONOMIC INTERACTIONS
Tor D. Wager, PhD, Psychology and Neuroscience, University of Colorado, Boulder, Colorado, Scott M. Schafer, BS, Psychology and Neuroscience, University of Colorado, Boulder, CO

Paper Session: Depression and Cardiovascular Disease
Chair: Martica Hall, PhD

Abstract 493
DOUBLE DEPRESSION IS ASSOCIATED WITH GREATER RISK OF INCIDENT CARDIOVASCULAR DISEASE THAN MAJOR DEPRESSION: DATA FROM THE NATIONAL EPIDEMIOLOGIC SURVEY ON ALCOHOL AND RELATED CONDITIONS (NESARC)
Stephanie M. Case, M.S., Jesse C. Stewart, Ph.D., Psychology, Indiana University-Purdue University Indianapolis, Indianapolis, IN

Abstract 412
MAJOR DEPRESSIVE DISORDER IS ASSOCIATED WITH CARDIOVASCULAR RISK FACTORS IN ADOLESCENTS
Robert M. Carney, PhD, Psychiatry, Washington University School of Medicine, St Louis, MO, Jonathan Rottenberg, PhD, Psychology, University of South Florida, Tampa, FL, Kenneth E. Freedland, PhD, Psychiatry, Washington University School of Medicine, St Louis, MO, Maria Kovacs, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA
Abstract 84
THE PHQ-2 DEPRESSION SCREEN PREDICTS MORTALITY FOR UP TO 2 YEARS FOLLOWING HOSPITALIZATION OF PATIENTS WITH SYSTOLIC HEART FAILURE
Tatiana K. Deveney, BA, Internal Medicine, University of Rochester School of Medicine; University of Pittsburgh School of Medicine, Pittsburgh, PA, Bea H. Beinap, DrBiolHum, Internal Medicine, Sati Mazumdar, PhD, Fanyin He, BS, Biostatistics, Bruce L. Rollman, MD, MPH, Internal Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA

Abstract 559
DEPRESSION AND POST-OPERATIVE RECOVERY IN CORONARY ARTERY BYPASS GRAFT SURGERY PATIENTS: THE ROLE OF INFLAMMATION
Lydia F. Poole, MSc, Tara Kidd, PhD, Elizabeth Leigh, MSc, Department of Epidemiology and Public Health, University College London, London, Greater London, UK, Amy Ronaldson, MSc, Epidemiology and Public Health, Department of University College London, London, Greater London, UK, Marjan Jahangiri, MS, Department of Cardiothoracic Surgery, St. George’s Hospital, London, Greater London, UK, Andrew Steptoe, DPhil, Department of Epidemiology and Public Health, University College London, London, Greater London, UK

Paper Session: Ruminations
Chair: Jeffrey Greeson, PhD

Abstract 237
DIFFERENTIAL EFFECTS OF POST-STRESSOR RUMINATION AND DISTRACTION ON C-REACTIVE PROTEIN IN HEALTHY WOMEN
Peggy M. Zoccola, PhD, Wilson S. Figueroa, BA, Erin M. Rabideau, MS, Alex Woody, MS, Psychology, Ohio University, Athens, OH

Abstract 707
IS WORRYING BAD FOR YOUR INSULIN RESISTANCE?
Joachim E. Fischer, MD, Maren Thole, MA, Marc Jarczok, MA, Mannheim Institute of Public Health, Mannheim Medical Faculty, Heidelberg University, Mannheim, BW, Germany

Abstract 629
POST-STRESS RUMINATION PREDICTS HEIGHTENED FUTURE CORTISOL RESPONSE TO STRESS
Danielle Gianferante, MA, Myriam V. Thoma, Ph.D, Aysha Malik, BA Candidate, Luke C. Hanlin, MA, Nicolas Rohleder, PhD, Psychology, Brandeis University, Waltham, MA

Abstract 347
WRITTEN EMOTIONAL DISCLOSURE BUFFERS AGAINST THE EFFECTS OF MALADAPTIVE RUMINATION ON AMBULATORY BLOOD PRESSURE: A MULTI-LEVEL APPROACH
Daryl B. O’Connor, PhD, Psychology, University of Leeds, Leeds, West Yorkshire, UK, Laura Ashley, PhD, Oncology, St James’s Institute of Oncology, Leeds, West Yorkshire, UK, Fiona Jones, PhD, Psychology, University of Leeds, Leeds, West Yorkshire, UK, Eamonn Ferguson, PhD, Psychology, University of Nottingham, Nottingham, Nottinghamshire, UK

Paper Session: Maternal-Fetal Health
Chair: Rona Moss-Morris, PhD

Abstract 65
SLEEP DURATION BUT NOT SLEEP DISRUPTION IS ASSOCIATED WITH DIURNAL CORTISOL IN PREGNANT WOMEN
Tiffany R. Haig, Currently: 4th Year Hons, Psychology, Gerald F. Giesbrecht, PhD, Department of Paediatrics, University of Calgary, Calgary, Alberta, Canada, Michele L. Okun, PhD, Department of Psychiatry and Psychology, University of Pittsburgh, Western Psychiatric Institute and Clinic, Pittsburgh, PA, Tavis S. Campbell, PhD, Psychology, Nicole Letourneau, Faculty of Nursing, University of Calgary, Calgary, Alberta, Canada

Abstract 51
BIOBEHAVIOURAL COHERENCE BETWEEN PSYCHOLOGICAL DISTRESS AND CORTISOL OVER THE COURSE OF PREGNANCY: IMPLICATIONS FOR FETAL PROGRAMMING BY MATERNAL STRESS
Gerald F. Giesbrecht, PhD, Paediatrics, Tavis Campbell, PhD, Psychology, University of Calgary, Calgary, Alberta, Canada, Nicole Letourneau, PhD, Nursing, Bonnie J. Kaplan, PhD, Paediatrics, University of Calgary, Calgary, AB, Canada

Abstract 202
BIO-BEHAVIOURAL COHERENCE BETWEEN MOOD AND HEART-RATE VARIABILITY DURING PREGNANCY
Codie R. Rouleau, BA (Hons), Psychology, Gerald F. Giesbrecht, PhD, Paediatrics, University of Calgary, Calgary, Alberta, Canada, Tavis S. Campbell, PhD, Psychology, University of Calgary, Calgary, AB, Canada, Nicole Letourneau, PhD, Nursing, University of Calgary, Calgary, Alberta, Canada
Abstract 403
FETAL ORIGIN OF ALLERGIC ASTHMA: INSIGHTS ON MECHANISTIC CUES AND THERAPEUTIC TARGETS ARISING FROM A MOUSE MODEL OF PRENATAL STRESS CHALLENGE
Christian A. Bruenahl, MD, Psychosomatic Medicine, University Medical Center Hamburg-Eppendorf & Schön Klinik Hamburg-Eilbek, Hamburg, Hamburg, Germany, Maike Pincus, MD, Department of Pediatrics, Charité University Medical Center, Berlin, Berlin, Germany, Mark Inaman, MD, PhD, Firestone Institute for Respiratory Health, McMaster University, Hamilton, Ontario, Canada, Petra C. Arck, MD, Department of Obstetrics and Fetal Medicine, University Medical Center Hamburg-Eppendorf, Hamburg, Hamburg, Germany

4:30 - 5:30 pm Plenary Address: VERSAILLES
Why Do Americans Live Shorter, Less Healthy Lives? Clues from Behavioral and Social Science Research
Chair: Rona Moss-Morris, PhD
Presenter: Robert M. Kaplan, PhD, Associate Director for Behavioral and Social Sciences Research, National Institutes of Health, Bethesda, MD
A recent OBSSR sponsored report by the National Research Council and the Institute of Medicine compared a wide range of U.S. health outcomes with those obtained from 16 peer economic competitors. Most of these peer countries are in Western Europe, but the group also included Canada, Australia, and Japan. The analysis showed that Americans are dying at a younger age than people in nearly all the peer nations. Fifty year old Americans, particularly women, have fewer remaining years of life than peers in other wealthy nations. Further, the chances of surviving to age 50 are significantly lower in the United States. Behaviors such as smoking, diet, and low use of seat belts or motorcycle helmets are important contributors to these differences. There are also roots in the effects of social stratification and the consequences of disadvantage. The American health disadvantage provides an important challenge for behavioral and social science researchers who will be engaging in a variety of activities to learn more about how we can narrow the health disparities between the US and other developed economies. This presentation will review the international differences. Then it will consider public policy approaches to alter high-risk behaviors.
Reference
http://www.nap.edu/catalog.php?record_id=13497

5:30 - 7:00 pm Poster Session 2 MEZZANINE
Posters #146 through #263 will be presented tonight (see page 58).

7:30 pm Past Leader Dinner (by invitation only)
6:45 - 7:30 am  **Wellness III: Mindfulness with Jeff Greeson**  
**ESCORIAL/ALHAMBRA**

With 324 citations in MEDLINE in 2012 alone, the science of mindfulness is rapidly growing! The core qualities of mindfulness include present-focused attention, sensory awareness, non-judgment, and compassion. Traditionally cultivated through meditation practice, mindfulness has been shown to reduce stress-related symptoms, improve quality of life, and even change the brain. This 45-minute session will briefly highlight some of the latest neuroscience research and clinical trials on mindfulness training, and will feature 2 guided meditation practices, Mindful Breathing and Sensory Awareness. Space is limited please check with the APS Registration Desk for availability.

7:00 am  5:00 pm  **Registration**  
**MEZZANINE**

7:45 - 8:15 am  **Continental Breakfast**  
A light breakfast will be served.

8:15 - 9:45 am  **Members Meeting**  
**VERSAILLES**

The APS Members Meeting is open to all members and includes brief updates from the APS leadership regarding the previous year’s activities, and plans for the upcoming year. There will also be a report on the ongoing process to consider a name change for the Society.

9:45 - 10:00 am  **Break**  
**MEZZANINE**

10:00 - 10:30 am  **Data Blitz**  
*Chair: Crista Crittenden, MPH*

The Data Blitz is a preview of coming attractions in the programming scheduled for the day, so be sure to attend this session to see what exciting abstracts will be presented.

10:30 am - 12:30 pm  **Awards Presentations**  
**VERSAILLES**

**Paul D. MacLean Award Lecture: Psychosocial Factors in Health**  
*Chair: Jos Bosch, PhD*

*Award Recipient: Gary Berntson, PhD, Professor, Department of Psychology, The Ohio State University, Columbus, OH*

The early physiologists, such as Walter Cannon, tended to focus on lower reflex mechanisms in autonomic control. Walter Hess and Paul MacLean raised the neurological focus to emotion and the rhinencephalon. This general trajectory has continued and we now increasingly see the importance of higher level social factors in autonomic, endocrinological and immunological regulation. Psychosocial factors, health implications and mechanisms will be discussed from human and animal model perspectives.

**Herbert E. Weiner Early Career Award Lecture: Stress System Regulation of Inflammation**  
*Chair: Greg Miller, PhD*

*Award Recipient: Nicolas Rohleder, PhD, Associate Professor, Department of Psychology, Brandeis University, Waltham, MA*

Psychosocial stress is an important predictor of morbidity and mortality in humans. While research has made major advances in understanding the biological pathways between long-term stress exposure and pathophysiological mechanisms underlying adverse health outcomes, one major issue remains: Alterations of major stress systems hypothalamus pituitary adrenal (HPA) axis and sympathetic nervous system (SNS) are not consistently found, and/or are insufficient in explaining the stress-disease link. Chronic, and systemic low-grade inflammation has emerged as a promising pathway, because (1) inflammation is more consistently found elevated in conditions of chronic psychosocial stress, and (2) these alterations of inflammatory activity can be directly related with specific pathophysiological mechanisms underlying important diseases associated with chronic stress, such as cardiovascular disease. However, increased inflammation is theoretically incompatible with the frequent finding of unchanged, or decreased basal HPA axis activity. It has therefore been suggested that one of the major changes in chronic stress manifests in the ability of inflammatory tissues to adequately respond to anti-inflammatory signaling of stress systems. Further, maladaptive response patterns to repeated acute stress have been proposed as antecedents or consequences of long-term dysregulation of stress systems. Initial studies from our group have shown that negative self-ratings of psychosocial health, such as exhaustion, low subjective status, and perceived stress are related with less pronounced habituation of the HPA axis, and sensitization of the peripheral inflammatory response to stress. Future studies will test whether such maladaptive stress response patterns are predictive of chronic low-grade inflammation and negative health outcomes.
Patricia R. Barchas Award Lecture: Why Care About Cardiovascular Risk in Healthy Adolescents?

Chair: Matthew Muldoon, MD, MPH
Award Recipient: Karen Matthews, PhD, Distinguished Professor of Psychiatry & Professor of Epidemiology and Psychology, University of Pittsburgh School of Medicine, Pittsburgh, PA

Although cardiovascular events occur usually after the age of 60 years, atherosclerosis and hypertension have their origins early in life. Epidemiological studies have documented the trajectories of standard biological risk factors for cardiovascular risk and have related them to markers of subclinical cardiovascular disease. Yet underexplored are the childhood experiences and contexts that result in high risk trajectories early in the life course. The few available longitudinal studies suggest that these psychosocial domains are also important to understanding the development of atherosclerosis and hypertension. Using the reserve capacity model as our conceptual framework, we review recent evidence regarding pathways between socioeconomic status (SES) and cardiovascular risk from several studies of black and white healthy adolescents. The outcomes in these studies are subclinical cardiovascular disease, elevated nighttime ambulatory blood pressure, metabolic syndrome, and inadequate sleep. Taken together, our studies suggests that SES is associated with some subclinical markers even in healthy adolescents, negative emotions and positive resources are key pathways, and stress, as we measure it, is less important. Our findings should be viewed as a progress report, rather than as a final report. Much is to be learned and much is to be gained from studies of cardiovascular risk and sleep in healthy adolescents.

1:30 - 3:00 pm Concurrent Sessions

Symposium 118: Sleep and Disease: Autonomic and Inflammatory Pathways
Co-chairs: Judith E. Carroll, PhD and Janet M. Mullington, PhD

Individual Abstract Number: 95
TELOMERE LENGTH PREDICTS THE INFLAMMATORY RESPONSE TO SLEEP DEPRIVATION IN OLDER ADULTS
Judith E. Carroll, PhD, Psychiatry, Cousins Center for Psychoneuroimmunology, University of California, Los Angeles, Los Angeles, CA, Alyssa Goldberg, BA, Medicine, University of Massachusetts, Worcester, MA, Tuff Witarama, MS, Ryan Sadakane, BS, Stephanie Esquivel, BS, Elizabeth C. Breen, PhD, Richard Olmstead, PhD, Psychiatry, Cousins Center for Psychoneuroimmunology, Steve W. Cole, PhD, Medicine, Division of Hematology-Oncology, Michael R. Irwin, MD, Psychiatry, Cousins Center for Psychoneuroimmunology, University of California, Los Angeles, Los Angeles, CA

Individual Abstract Number: 653
SLEEP AND HOST PROTECTIVE MECHANISMS: HISTORICAL AND EMERGING EVIDENCE
Janet M. Mullington, PhD, Neurology, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA

Individual Abstract Number: 662
POOR SLEEP AND VISCERAL ADIPOSE POTENTIATE STRESS-INDUCED CYTOKINE REACTIVITY
Aric A. Prather, PhD, Eli Puterman, PhD, Elissa S. Epel, PhD, Psychiatry, University of California, San Francisco, San Francisco, CA, Firdaus S. Dhabhar, PhD, Psychiatry & Behavioral Science, Stanford University, Stanford, CA
Concurrent Sessions

Individual Abstract Number: 666
SLEEP VARIABILITY AND CYTOKINES IN PREGNANCY
Michele L. Okun, PhD, Martica Hall, PhD, Psychiatry, Frank Jenkins, PhD, Pathology, James M. Roberts, MD, Obstetrics, Gynecology and Reproductive Sciences, University of Pittsburgh, Pittsburgh, PA

Symposium 122: Beyond Salivary Cortisol: Salivary Biomarkers of Immune Function and Stress at the Cutting Edge
Co-chairs: Jennifer Graham, PhD and Joshua Smyth, PhD
Discussant: Joel Dimsdale, MD

Individual Abstract Number: 419
SALIVARY BIOMARKERS AND POST-TRAUMA PSYCHOPATHOLOGY: CHALLENGES AND OPPORTUNITIES
Theodore Robles, PhD, Psychology, David A. Elashoff, PhD, Lauren Harrell, MS, Biostatistics, Vivek Shetty, DMD, DDS, Dentistry, University of California, Los Angeles, Los Angeles, CA

Individual Abstract Number: 420
LESSONS LEARNED FROM THE BENCH: RELATING SALIVARY TO BLOOD-BASED INFLAMMATORY MARKERS
Christopher Engeland, PhD, Center for Wound Healing and Tissue Regeneration, University of Illinois at Chicago, Chicago, IL, Joshua M. Smyth, PhD, Danica Slavish, BA, Jennifer E. Graham, PhD, Biobehavioral Health, Penn State University, University Park, PA

Individual Abstract Number: 422
SALIVARY ALPHA-AMYLASE AS A MARKER FOR SYMPATHETIC NERVOUS SYSTEM ACTIVATION
Nicolas Rohleder, PhD, Psychology, Brandeis University, Waltham, MA, Urs M. Nater, PhD, Psychologie, Philipps-Universität Marburg, Marburg, Hessen, Germany, Myriam V. Thoma, PhD, Psychology, Brandeis University, Waltham, MA, Jana Strahler, PhD, Psychologie, Philipps-Universität Marburg, Marburg, Germany

Individual Abstract Number: 423
NOVEL APPLICATIONS OF SALIVARY GLANDULAR PROTEINS IN PSYCHOPHYSIOLOGY AND PSYCHONEUROIMMUNOLOGY
Jos A. Bosch, PhD, Clinical Psychology, University of Amsterdam, Amsterdam, NH, The Netherlands, Rene van Lien, MSc, Biological Psychology, Vrije Universiteit, Amsterdam, NH, The Netherlands, Tamas Nagy, MSc, Clinical Psychology, University of Amsterdam, Amsterdam, NH, The Netherlands, Eco J. de Geus, PhD, Monique Willemsen, PhD, Biological Psychology, Vrije Universiteit, Amsterdam, NH, The Netherlands, Enno C. Veerman, PhD, Oral Biochemistry, Academic Centre for Dentistry, Amsterdam, NH, The Netherlands

Symposium 113: Psycho-Oncology Meets Psychoneuroimmunology at the Cutting Edge
Co-chairs: Janice K. Kiecolt-Glaser, PhD and Michael Antoni, PhD
Discussant: Paige McDonald, PhD, MPH

Individual Abstract Number: 133
SOCIAL RELATIONSHIPS AND GENE REGULATION IN OVARIAN CANCER
Susan K. Lutgendorf, Ph.D., Psychology, University of Iowa, Iowa City, IA, Koen DeGeest, M.D., Obstetrics and Gynecology, University of Iowa, Iowa City, IA, Premal Thaker, M.D., Gynecologic Oncology, Washington University Medical School, St. Louis, MO, George Slavich, Ph.D., Department of Psychiatry and Biobehavioral Sciences, University of California Los Angeles, Los Angeles, CA, Anil K. Sood, M.D., Gynecologic Oncology, M.D. Anderson Cancer Center, Houston, TX, Steve W. Cole, Ph.D., Hematology Oncology, University of California Los Angeles, Los Angeles, CA, Frank Penedo, Ph.D., Medical Social Sciences, Northwestern University School of Medicine, Chicago, IL

Individual Abstract Number: 280
LEPTIN AND ADIPONECTIN IN BREAST CANCER SURVIVORS: RELATIONSHIPS WITH FATIGUE
Janice K. Kiecolt-Glaser, PhD, Institute for Behavioral Medicine Research, Ohio State University College of Medicine, Columbus, OH, Rebecca R. Andridge, PhD, Beom Seuk Hwang, MS, Division of Biostatistics, College of Public Health, The Ohio State University, Columbus, OH, William B. Malarkey, MD, Ronald Glaser, PhD, Institute for Behavioral Medicine Research, Ohio State University College of Medicine, Columbus, OH

Individual Abstract Number: 296
BIOBEHAVIORAL INFLUENCES ON RECOVERY FOLLOWING HEMATOPOIETIC STEM CELL TRANSPLANTATION
Erin S. Costanzo, PhD, Psychiatry & Carbone Cancer Center, Mark B. Juckett, MD, Hematology & Carbone Cancer Center, Ashley M. Nelson, BA, Psychiatry & Carbone Cancer Center, Peiman Hematti, MD, Hematology & Carbone Cancer Center, Paul J. Rathouz, PhD, Biostatistics & Medical Informatics, Doug Sheerar, BS, Karen Ersland, PhD, Carbone Cancer Center, Christopher L. Coe, PhD, Psychology, University of Wisconsin-Madison, Madison, WI
Individual Abstract Number: 337
LIFE STRESS, INFLAMMATION, AND CANCER-RELATED FATIGUE
Julienne E. Bower, PhD, Alexandra E. Dupont, M.A., Psychology, George Slavich, PhD, Psychiatry, University of California, Los Angeles, Los Angeles, CA

Paper Session: Trauma and PTSD
Chair: Scott Matthews, MD

Abstract 733
PATHWAYS FROM CHILDHOOD TRAUMA TO ELEVATED C-REACTIVE PROTEIN IN ADULTHOOD: THE ROLES OF ANXIETY, HEALTH BEHAVIORS AND DISRUPTED SLEEP
Andrew D. Schrepf, B.A., Psychology, Susan Lutgendorf, PhD, Psychology, Urology, Obstetrics & Gynecology, University of Iowa, Iowa City, IA

Abstract 593
OBJECTIVE EVIDENCE OF CARDIOVASCULAR ISCHEMIA IN PATIENTS WITH POST-TRAUMATIC STRESS DISORDER: RESULTS FROM THE MIND YOUR HEART STUDY
Beth E. Cohen, MD, Medicine, University of California, San Francisco/San Francisco VA, San Francisco, CA, Jesse H. Turner, MD, Internal Medicine, University of California, San Francisco, San Francisco, CA, Nelson B. Schiller, MD, Medicine, University of California, San Francisco/San Francisco VA, San Francisco, CA, Yongmei Li, PhD, Medicine, San Francisco VA, San Francisco, CA, Thomas C. Neylan, MD, Psychiatry, University of California, San Francisco/San Francisco VA, San Francisco, CA

Abstract 427
VETERANS WITH PTSD AFTER COMBAT-RELATED CONCUSSION EXHIBIT ALTERED POSTERIOR CINGULATE ACTIVITY WHILE APPRAISING FACIAL EMOTIONS
I-Wei Shu, MD PhD, Scott C. Matthews, MD, Psychiatry Service, Veterans Affairs San Diego Healthcare System, San Diego, CA, Julie A. Onton, PhD, Naval Health Research Center, San Diego, CA

Abstract 330
CHILDHOOD TRAUMA IMPACTS CARDIOVASCULAR RECOVERY FROM ACUTE STRESS IN HEALTHY PREMENOPAUSAL WOMEN
Carissa A. Low, PhD, Dana H. Bovbjerg, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Abstract 306
POLY-VICTIMIZATION IN CHILDHOOD IS RELATED TO LOWER CORTISOL STRESS RESPONSE IN YOUNG ADULT WOMEN
Aimee J. Midei, M.S., Psychology, Karen A. Matthews, Ph.D., Psychology, Psychiatry, Epidemiology, University of Pittsburgh, Pittsburgh, PA

3:00 - 3:15 pm Break

3:15 - 4:15 pm Concurrent Sessions

Paper Session: Discrimination
Chair: KaMala Thomas, PhD

Abstract 240
PERCEIVED DISCRIMINATION AND HYPERTENSION: A COMPREHENSIVE SYSTEMATIC REVIEW
Cynthia M. Dolezsar, MA, Behavioral Medicine Laboratory, Jennifer J. McGrath, PhD, Pediatric Public Health Psychology Laboratory, Alyssa J.M. Herzig, MA, Sydney B. Miller, PhD, Behavioral Medicine Laboratory, Concordia University, Montreal, Qc, Canada

Abstract 688
RACIAL DISCRIMINATION AND DISEASE DAMAGE AMONG AFRICAN AMERICAN WOMEN WITH SYSTEMIC LUPUS ERYTHEMATOSUS
David H. Chae, Sc.D., Department of Behavioral Sciences and Health Education, Emory University, Rollins School of Public Health, Atlanta, GA, Cristina M. Drenkard, M.D., Ph.D., Division of Rheumatology, Emory University, School of Medicine, Atlanta, GA, Tené T. Lewis, Ph.D., Department of Epidemiology, Emory University, Rollins School of Public Health, Atlanta, GA, S. Sam Lim, M.D., Division of Rheumatology, Emory University, School of Medicine, Atlanta, GA
Abstract 743
EXPECTATIONS OF RACISM, EXPERIENCES OF RACISM AND CAROTID ARTERY ATHEROSCLEROSIS IN MIDDLE-AGED AFRICAN-AMERICAN WOMEN
Tené T. Lewis, PhD, Epidemiology, Emory University, Rollins School of Public Health, Atlanta, GA, Rachel Lampert, MD, Internal Medicine, Yale University School of Medicine, New Haven, CT, Stuart D. Katz, MD, Medicine, NYU, New York, NY

Paper Session:  Pain
Chair: Lorenzo Cohen, PhD
TRIANON

Abstract 616
CONDITIONING AND EXTINCTION LEARNING OF VISCERAL PAIN IN HEALTHY SUBJECTS - A FMRI STUDY
Michiko Kano, MD, PhD, Behavioral Medicine, Tohoku University Graduate School of Medicine, Sendai, Miyagi, Japan, Steven J. Coen, PhD, Adam D. Farner, MD, PhD, The Wingate Institute of Neurogastroenterology, Queen Mary University of London, London, London, UK, Vincent Giampietro, PhD, Department of Neuroimaging, King’s College London, Institute of Psychiatry, London, London, UK, Michael J. Brammer, PhD, Department of Neuroimaging, King’s College London, Institute of Psychiatry, London, London, UK, Shin Fukudo, MD, PhD, Behavioral Medicine, Tohoku University Graduate School of Medicine, Sendai, Miyagi, UK, Qasim Aziz, MD, PhD, The Wingate Institute of Neurogastroenterology, Queen Mary University of London, London, London, UK

Abstract 609
PARENTAL CATASTROPHIZING MEDIATES THE ASSOCIATION BETWEEN CHILD PAIN BEHAVIOR AND PARENTAL SOLICITOUSNESS
Shelby Langer, PhD, School of Social Work, Joan Romano, PhD, Psychiatry and Behavioral Sciences, Lloyd Mancl, PhD, Oral Health Sciences, Rona L. Levy, PhD, School of Social Work, University of Washington, Seattle, WA

Abstract 600
POST-OPERATIVE PAIN: DOES TRAUMA HISTORY EXACERBATE OR MOLLIFY THE EXPERIENCE?
Julie K. Cremeans-Smith, Ph.D., Psychology, Kent State University at Stark, N Canton, OH, Kenneth Greene, M.D., Orthopaedics, Cleveland Clinic, Cleveland, OH, Douglas L. Delahanty, Ph.D., Psychology, Kent State University, Kent, OH

Abstract 195
AUTONOMIC AND HEMODYNAMIC RESPONSES TO COLD PRESSOR CHALLENGE AS RELATED TO TYPE D PERSONALITY
Nina Kupper, PhD, Willem J. Kop, PhD, Medical & Clinical Psychology, Aline Pelle, PhD, Medical Psychology & Clinical Psychology, Tilburg University, Tilburg, Noord-Brabant, the Netherlands

Paper Session: Psychoneuroendocrinology
Chair: Anna C. Phillips, PhD
SANDRINGHAM/WINDSOR

Abstract 698
FLATTER DIURNAL CORTISOL SLOPE ON WORK-DAYS IS ASSOCIATED WITH PRECLINICAL ATHEROSCLEROSIS
Karissa G. Miller, BA, Thomas W. Kamarck, PhD, Psychology, Matthew F. Muldoon, MD, Medicine, Peter J. Gianaras, PhD, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

Abstract 645
APPETITE HORMONES AS POTENTIAL BIOMARKERS OF NEGATIVE AFFECT, CRAVING, AND RISK FOR SMOKING RELAPSE
Mustafa al’Absi, PHD, Motohiro Nakajima, PHD, Ronald Regal, PHD, Tiffany Cragin, MS, Duluth Medical Research Institute, University of Minnesota Medical School, Duluth, MN

Abstract 406
THE CORTISOL AWAKENING RESPONSE: WHY TOLERABLE ERRORS IN TIMING MAY NOT BE SO TOLERABLE AND WHY LINEARITY OF CORTISOL RISE SHOULD NOT BE ASSUMED.
Phil Evans, PhD, Nina Smyth, PhD, Lisa Thorn, PhD, Psychology, Frank Hucklebridge, PhD, Life Sciences, Angela Clow, PhD, Psychology, University of Westminster, London, England, UK

Abstract 483
ARE HIGH LEVELS OF DEHYDROEPIANDROSTERONE (DHEA) NECESSARY FOR OLD PEOPLE TO MAINTAIN COGNITIVE AND MENTAL HEALTH? FINDINGS FROM THE KORA-AGE STUDY.
Karl H. Ladwig, PhD, Epidemiology, HelmholtzResearch Center Environmental Health, Munich-Neuhuering, Bavaria, Germany, Rebecca T. Emeny, PhD, Epidemiology, HelmholtzResearch Center Environmental Health, Munich-Neuhuering, Bavaria, Munich, Martin Bidlingmaier, MD, Department of Internal Medicine, University Hospital of LMU, Munich, Bavaria, Germany
4:30 - 5:30 pm  Presidential Address  
To Sleep, Perchance to Heal  
Chair: Lorenzo Cohen, PhD  
Presenter: Martica Hall, PhD, APS President  

5:30 - 7:00 pm  Poster Session 3  
Posters #264 through #373 will be presented tonight (see page 71).  

7:30 pm  Banquet  
APS’s own Mike Antoni brings his band, The Mysterytones, to the Annual Meeting to entertain delegates for the last night of the meeting you are in for a special treat! Join with friends and colleagues for a special evening of food

The American Psychosomatic Society  
is pleased to announce a one-day meeting on  

**Diabetes, Obesity, and the Brain**  
Friday, October 11, 2013  
Washington, DC  

Featured Keynote Speaker: Dr. Elizabeth Seaquist  
“The Impact of Diabetes on Cerebral Structure and Function”

This meeting will highlight cutting edge findings linking diabetes, obesity and other markers of metabolic dysregulation to brain function, cognition and aging. By attending this interactive forum, we hope you’ll further your understanding of the impact of diabetes, obesity and metabolic risk factors on brain function, and take this opportunity to discuss the science with the field’s foremost researchers and leaders of the American Psychosomatic Society.

**Planning Committee**  
Dr. Sue Everson-Rose, University of Minnesota  
Dr. Andreana Haley, University of Texas at Austin  
Dr. Maria Llabre, University of Miami  
Dr. John Ryan, University of Pittsburgh

**details:** www.psychosomatic.org
1) Abstract 377
BENEFIT FINDING IN BEREAVED CANCER CAREGIVERS
Aurelie Lucette, MS, Charles S. Carver, PhD, Psychology, University of Miami, Coral Gables, FL, Rachel S. Cannady, BS, Behavioral Research Center, American Cancer Society, Atlanta, GA, Youngmee Kim, PhD, Psychology, University of Miami, Coral Gables, FL

2) Abstract 231
NEGATIVE AFFECT IN DAILY LIFE IS CORRELATED WITH CAROTID ATHEROSCLEROSIS
Amoha Bajaj, B.A., Psychology, Thomas W. Kamarck, Ph.D., Psychology and Psychiatry, Nataria T. Joseph, Ph.D., Stephen Manuck, Ph.D., Matthew Muldoon, M.D., Psychology, Kim S. Tyrrell, Ph.D., Epidemiology, University of Pittsburgh, Pittsburgh, PA

3) Abstract 625
INFLUENCE OF OXYTOCIN ON SYSTEMIC INFLAMMATION IN HUMAN AND MOUSE MACROPHAGES
Angela Szeto, Ph.D., Psychology, University of Miami, Miami, FL, Philip M. McCabe, Ph.D., Crystal M. Noller, M.S., Ni Sun, B.S., Neil Schneiderman, Ph.D., Psychology, University of Miami, Coral Gables, FL, Armando J. Mendez, Ph.D., Medicine/Division of Endocrinology, Diabetes, & Metabolism, University of Miami, Miller School of Medicine, Miami, FL

4) Abstract 561
INCREASED DNA DAMAGE FROM THE STRESSES OF DAILY LIFE: AN EXPLORATORY ANALYSIS
Dana H. Bovbjerg, PhD, Ben Van Houten, PhD, Hong Wang, PhD, Britteny Zeher, BS, Frank J. Jenkins, PhD, University of Pittsburgh Cancer Institute, University of Pittsburgh, Pittsburgh, PA

5) Abstract 400
IMPROVED PSYCHOLOGICAL WELL-BEING AND PHYSICAL FUNCTIONING IN RHEUMATOID ARTHRITIS: A COHORT STUDY COVERING THE LAST TWO DECADES
Cécile L. Overman, MSc, Clinical and Health Psychology, Utrecht University, Utrecht, The Netherlands, Maud S. Verhoef-Jurgens, MSc, Paco M. J. Welsing, PhD, Rheumatology and Clinical Immunology, University Medical Center Utrecht, Utrecht, The Netherlands, Ercole R. Bossera, PhD, Clinical and Health Psychology, Utrecht University, Utrecht, The Netherlands, Johannes G. Jacobs, PhD, MD, Johannes W. J. Bijnema, PhD, MD, Rheumatology and Clinical Immunology, University Medical Center Utrecht, Utrecht, The Netherlands, Rinie Geenen, PhD, Clinical and Health Psychology, Utrecht University, Utrecht, The Netherlands

6) Abstract 48
THE ASSOCIATION BETWEEN PSYCHOLOGICAL WELL-BEING AND INCIDENT HYPERTENSION: THE WHITEHALL II COHORT
Claudia Trudel-Fitzgerald, B. A., Psychology, School of Psychology, Université Laval, Quebec City, Quebec, Canada, Julia K. Boehm, Ph.D., Laura D. Kubzansky, Ph.D., MPH, Department of Society, Human Development, and Health, Harvard School of Public Health, Boston, MA

7) Abstract 295
HEMODYNAMIC EFFECTS OF COGNITIVE BEHAVIORAL STRESS MANAGEMENT IN RECIPIENTS OF IMPLANTABLE CARDEVERTER DEFIBRILLATORS: A RANDOMIZED CLINICAL TRIAL
Douglas C. Russell, MD, PhD, Cardiovascular Medicine, Tracey L. Smith, PhD, Dean D. Krahn, MD, Mental Health, W S Middleton Veterans Hospital, Madison, WI, Peter Graskamp, PhD, Mental Health, Dalip Singh, MD, Cardiology, Zablocki VA Medical Center, Milwaukee, WI, Gregory G. Kolden, PhD, Psychiatry, University of Wisconsin, Madison, WI, Heidi Sigmund, PsyD, Mental Health, W S Middleton Veterans Hospital, Madison, WI, Zhengjun Zhang, PhD, Statistics, University of Wisconsin, Madison, WI

8) Abstract 772
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Denise C. Jarrin, Ph.D., École de psychologie; Centre de recherche Université Laval Robert-Giffard, Université Laval, Québec City, Québec, Canada, Jennifer J. McGrath, Ph.D., M.P.H., Pediatric Public Health Psychology Laboratory, Concordia University, Montréal, Québec, Canada, Paul Poirier, MD, Ph.D., Pharmacy, Institut universitaire de cardiologie et de pneumologie de Québec, Université Laval, Québec City, Québec, Canada, Louise Séguin, MD, MPH, FRCP(C), Social and Preventive Medicine, Richard E. Tremblay, Ph.D., Jacques Montplaisir, MD, Ph.D., Psychiatry, Université de Montréal, Montréal, Québec, Canada, Paul Poirier, MD, Ph.D., Pharmacy, Institut universitaire de cardiologie et de pneumologie de Québec, Université Laval, Québec City, Québec, Canada, Louise Séguin, MD, MPH, FRCP(C), Social and Preventive Medicine, Richard E. Tremblay, Ph.D., Jacques Montplaisir, MD, Ph.D., Psychiatry, Université de Montréal, Montréal, Québec, Canada

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Jenny M. Cundiff, M.S., Bert N. Uchino, PhD, Timothy W. Smith, PhD, Psychology, Richard M. Cowthon, MD, Human Genetics, Kathleen C. Light, PhD, Anesthesiology, University of Utah, Salt Lake City, Utah

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Jessica Berntson, B.A., Psychology, Indiana University - Purdue University Indianapolis, Indianapolis, Indiana, Kendra R. Stewart, PhD, Psychiatry, Indiana University School of Medicine, Indianapolis, Indiana, Elizabeth Vrany, B.A., Tasneem Khambaty, M.S., Jesse C. Stewart, PhD, Psychology, Indiana University - Purdue University Indianapolis, Indianapolis, Indiana

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Julian Koenig, Master of Arts, School of Therapeutic Sciences, SRH University Heidelberg, Heidelberg, Baden-Württemberg, Germany, Marc N. Jarczok, Diplom, Mannheim Institute of Public Health, Social and Preventive Medicine, Mannheim Medical Faculty, Mannheim, Baden-Württemberg, Germany, Julian F. Thayer, PhD, Department of Psychology, The Ohio State University, Columbus, Ohio, Thomas K. Hillecke, PhD, School of Therapeutic Sciences, SRH University Heidelberg, Heidelberg, Baden-Württemberg, Deutschland
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Masato Usuki, MD, Psychiatry, National Disastar Medical Center, Tachikawa, Tokyo, Japan, Yutaka Matsuoka, MD/PhD, Clinical Epidemiology, Daisuke Nishi, MD/PhD, Mental Health Policy and Evaluation, Naohiro Yonemoto, MPh, Clinical Epidemiology, National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan, Kenta Matsumura, PhD, Natural Science and Technology, Kanazawa University, Kanazawa, Ishikawa, Japan, Yasuhiro Otomo, MD/PhD, Acute Critical Care and Disaster Medicine, Tokyo Medical and Dental University, Bunkyo-ku, Tokyo, Japan, Yoshiharu Kim, MD/PhD, Adult Mental Health, National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan, Shigenobu Kanba, MD/PhD, Neuropsychiatry, Kyushu University, Higashi-ku, Fukuoka, Japan

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Mauli T. Shah, MA, Psychology, University of Maryland, Baltimore County, Baltimore, MD, Alan B. Zonderman, PhD, Intramural Research Program, National Institute on Aging, National Institutes of Health, Baltimore, MD, Leslie I. Katz, MD, PhD, Medicine, University of Maryland School of Medicine, Baltimore, MD, Shari R. Waldstein, PhD, Psychology, University of Maryland, Baltimore County, Baltimore, MD

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Christian Alex, BA, Martin Lindgren, BA, Medicine, Sahlgrenska Academy, University of Gothenburg, Gothenburg, none, Sweden, Peter A. Shapiro, MD, Paula S. McKinley, PhD, Psychiatry, Columbia University Medical Center, New York, NY, Elizabeth N. Bronodlo, PhD, Psychology, St. John’s University, Queens, NY, Michael M. Myers, PhD, Psychiatry, Columbia University Medical Center, New York, NY, Yihong Zhao, PhD, Child and Adolescent Psychiatry, NYU Langone Medical Center, New York, NY, Richard P. Sloan, PhD, Psychiatry, Columbia University Medical Center, New York, NY

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Sara Vargas, MS, Psychology, University of Miami, Coral Gables, FL, Suzanne C. Lechner, PhD, Psychiatry & Behavioral Sciences, University of Miami Miller School of Medicine, Miami, FL, Debra W. Annane, MA, Research Laboratories, Belinda R. Roberston, BA, Shared Resources, Sylvester Comprehensive Cancer Center, Miami, FL, Charles S. Carver, PhD, Michael H. Antoni, PhD, Psychology, University of Miami, Coral Gables, FL

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Sarah N. Garfinkel, PhD, Psychiatry, Brighton and Sussex Medical School, Falmer, East Sussex, UK, Claire Tiley, BSc, Stephanie O’Keeffe, BSc, Hugo D. Critchley, MChB DPhil FRCPsych, Psychiatry, Brighton and Sussex Medical School, Falmer, East Sussex, England

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Sari D. Holmes, PhD, Lisa M. Martin, PhD, Casey E. Miller, BS, Niv Ad, MD, Cardiac Surgery Research, Inova Heart & Vascular Institute, Falls Church, VA

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Shan S. Wong, B.S., Clinical & Health Psychology, University of Florida, Gainesville, Florida, Deidre B. Pereira, PhD, Clinical & Health Psychology, University of Florida, Gainesville, Fl

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Spenser Hughes, BA, Psychology, The Ohio State University, Columbus, Ohio, David Shapiro, PhD, Soheil Soleymani, BS, Freddy Yusuf, BS, Jesse Culver, BS, Sarosh J. Motivala, PhD, Psychiatry, University of California, Los Angeles, Los Angeles, California

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Matthew D. Anderson, M.A., Sumner J. Sydeman, Ph.D., Department of Psychology, Northern Arizona University, Flagstaff, AZ

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Susan E. Lydick, M.A., Rehabilitation Science, Ali A. Weinstein, Ph.D., Center for the Study Chronic Illness and Disability, George Mason University, Fairfax, VA, Sari D. Holmes, Ph.D., Casey Miller, B.S., Niv Ad, M.D., Cardiac Surgery Research, Inova Heart and Vascular Institute, Falls Church, VA

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Ui Yamada, MD/PhD, Psychosomatic Medicine, St. Luke’s International Hospital, Tokyo, Tokyo, Japan, Daisuke Ohta, MD/PhD, Psychosomatic Medicine, St. Luke’s International Hospital, Tokyo, Tokyo, Japan

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Vera Tsenkova, PhD, Institute on Aging, UW-Madison, Madison, WI

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Yusuke Kanayama, MA, Human Sciences, Waseda University, Tokorozawa, Saitama, Japan, Yoshiya Moriguchi, MD/PhD, Kentaro Oba, MA, Yuri Terasawa, MA, Hiroki Murakami, PhD, Kazuo Mishima, MD/PhD, Psychophysiology, National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan, Hiroaki Kumanoto, MD/PhD, Human Sciences, Waseda University, Tokorozawa, Saitama, Japan

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Whitney N. Rebholz, B.A., Psychological and Brain Sciences, Elizabeth Cash, PhD, Department of Surgery, University of Louisville, Louisville, Kentucky, Anees Chagpar, MD, The Breast Center, Smilow Cancer Hospital at Yale-New Haven, New Haven, Connecticut, Firdaus Dhabhar, PhD, Department of Psychiatry and Behavioral Science, Stanford University, Stanford, California, L. Kevin Chapman, PhD, Sandra E. Sephton, PhD, Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky
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