



Dedicated to the Integration of Biological, Psychological and Social Factors in Medicine

**68th ANNUAL SCIENTIFIC MEETING
MARCH 10 - 13, 2010**

Stress and Health



***Portland Marriott Downtown Waterfront
Portland, Oregon USA***

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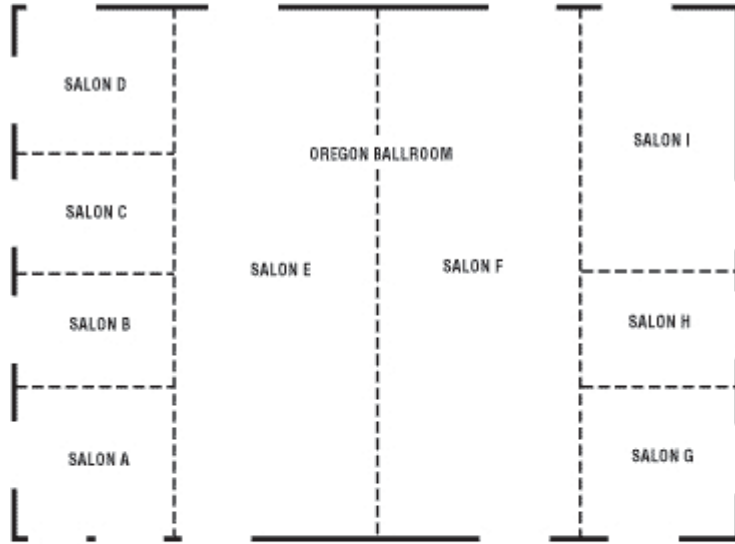
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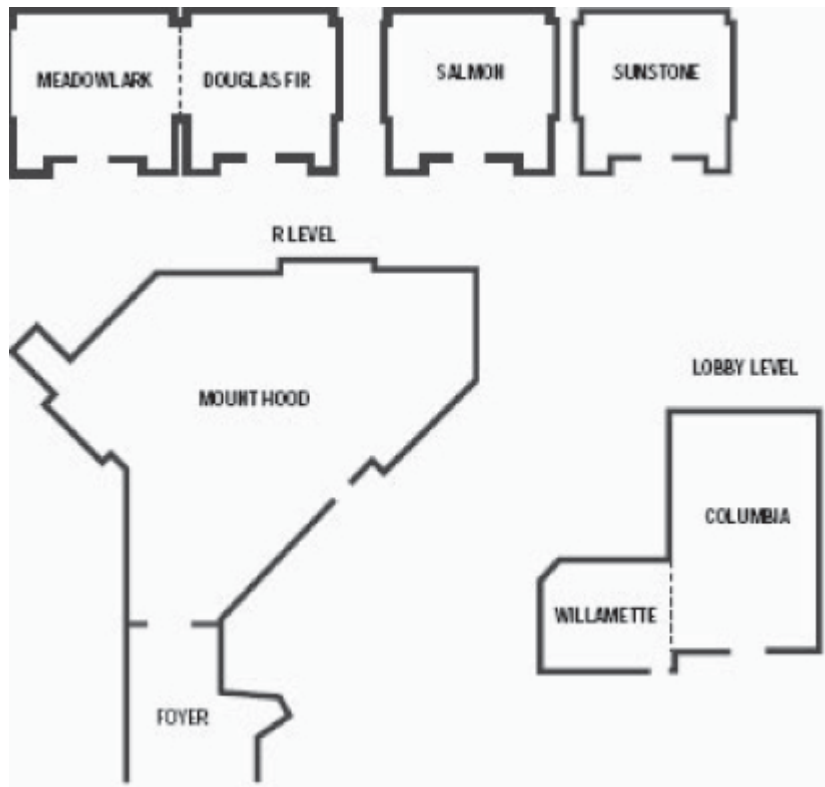
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Hotel Floor Plan

Ballroom Level



Level 3



American Psychosomatic Society 69th Annual Scientific Meeting

March 9 - 12, 2011

Marriott San Antonio Rivercenter
San Antonio, Texas USA



The Call for Abstracts will be available summer 2010 with a due date of early October 2010. Keep yourself informed by frequently visiting www.psychosomatic.org.

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*Shari R. Waldstein, PhD
APS President*

Welcome to Portland

Welcome to the 68th Annual Meeting of the American Psychosomatic Society in beautiful Portland, Oregon! The theme of this year's meeting, "Stress and Health" is one to which we can all relate. Yet, though we all have our own implicit understanding of the term stress, there remains ongoing discussion about its precise definition and measurement. Further, the mechanisms underlying the relations of stress to health are continually being elucidated. At this meeting, leaders in our field will address these and related issues in a series of exciting plenary sessions and symposia. More generally, I'm sure you will find that the Program Committee has compiled a breadth of exciting sessions reflecting the cutting edge of psychosomatic medicine research, practice, and education/training.

For effective stress management during the meeting, one need only step outdoors to view and explore this wonderful city and surrounds. You might consider a stroll through the Portland Japanese Garden, or the Portland Saturday Market. A browse through Powell's City of Books, or a goody from Voodoo Doughnut. I hope you will enjoy Portland as the site of our meeting.

Meeting Objectives

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

1. Define stress and describe the various components of stress; in other words, to be able to articulate the current scientific conceptualization of "What is stress?"
2. Review the plausible biological mechanisms linking stress and disease outcomes.
3. Describe state of the art measurement of stress across a range of biomarkers.
4. Describe the physical and psychological consequences of stress.



*Joshua M. Smyth, PhD
Program Chair*

Meeting Information

About APS

The American Psychosomatic Society is an 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 Alvin P. Shapiro, MD; the friends and family of Herbert Weiner, MD; the friends and family of Paul D. MacLean, MD; The Cousins Center for Psychoneuroimmunology at the UCLA Neuropsychiatric Institute; and the National Institutes of Health.

Continuing Education

Physicians

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. IAHB is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA Statement

IAHB designates this educational activity for a maximum of 25.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Psychologists

This course is co-sponsored by Amedco and the American Psychosomatic Society. Amedco is approved by the American Psychological Association to sponsor continuing education for psychologists. Amedco maintains responsibility for this program and its content. 25.5 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. Getting your certificate has been made easier. Simply go online to www.cmecertificateonline.com after the Annual Meeting, complete the attendance/evaluation form and print your certificate. This online evaluation system will be available until **April 30, 2010**. After that date, certificates will no longer be available.

Book and Journal Showcase

One benefit of APS membership is the opportunity 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 Business Meeting

The APS Business Meeting is open to all members. The meeting will take place Saturday from 8:00-9:00 am. Come hear brief updates from the APS leadership regarding the previous year's activities, and plans for the upcoming year. This is a great opportunity to become involved in the activities of the Society, and learn more about what APS has to offer you.

Special Interest Get-Togethers

APS is hosting four special interest get-togethers in the Marriott on Friday evening, from 6:30 to 8:00 pm, on the topics of PNI, Clinician's Interests, Ethnic Disparities and Neuroscience. There is no cost to participate, but if you have not already replied to our email invitation to this event, please check the APS Message Board for availability.

Exhibiting and Advertising

APS welcomes the following exhibitors and advertisers to our meeting.

Karger Publishers will provide information on the book series *Advances in Psychosomatic Medicine* and the journals *Psychotherapy and Psychosomatics* and *Psychopathology*.

Mindware Technologies specializes in providing state-of-the-art ambulatory and desktop data acquisition solutions, physiology signal processing software, stimulus/response systems, olfactometers, and psychophysiology laboratory design and installation.

National Cancer Institute's Basic and Biobehavioral Research Branch supports the study of fundamental behavioral, psychological, and social processes; interactions of those processes with biological factors; and the subsequent impact on cancer.

Psychosomatic Medicine, the official journal of the American Psychosomatic Society, will be displayed.

Springer Science+Business Media is a global STM publisher whose extensive portfolio includes books and journals in Clinical Medicine, Behavioral Science, and Public Health.

How to Cite your Abstract

The April 2010 (volume 72, number 3) on-line issue of *Psychosomatic Medicine* contains the 2010 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 72, Number 3 and the page number in which your abstract appears. Note each page number appears with the letter A in front of the page number.

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 -- 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 for guidance.

Information on Roundtables

This year, APS is offering both Breakfast and Luncheon Roundtable discussion sessions, and if you signed up for a roundtable, there will be a ticket in your registration packet for that event. Breakfast roundtable participants should proceed to their room for breakfast. Lunch roundtable participants should exchange their ticket for a box lunch in the Ballroom Foyer. 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 6:30 pm in the Mt. Hood Room on the restaurant level of the Marriott. Light snacks and beverages will be provided. You must have pre-registered for this program in order to participate.

Student/Trainee Dinner

Students/Trainees attending the APS meeting have been invited to gather at *Paddy's Bar & Grill* (65 Southwest Yamhill Street), following the Mentor/Mentee Reception, on Thursday, March 11. Individuals will be responsible for their own transportation and expenses - please stop by the APS Registration Desk if you are interested in attending but haven't yet signed up.

Awards and Special Recognition

APS Scholar Awards

For the past eleven years APS has awarded APS 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. Each award provides monetary assistance for conference fees, travel and hotel accommodations. We offer our heartfelt congratulations to this year's recipients:

Svetlana Bershadsky, MA, Abstract # 1039, *The Impact of Hatha Yoga on Cortisol Levels In Pregnancy*, Thursday, March 11, 5:00 to 6:15 pm

Christine Cho, BSc, Abstract # 1329, *Attachment Insecurity is Associated with Health-related Quality of Life in Heart Failure*, Saturday, March 13, 5:00 to 6:15 pm

David Domachowski, Abstract # 1095, *Evening Chronotype is Associated with Daytime Dysfunction and Neuroticism in College Students*, Saturday, March 13, 5:00 to 6:15 pm

Kate Edwards, PhD, Abstract # 1509, *Increased inflammatory Regulator Macrophage Migratory Inhibitory Factor (MIF) in Obstructive Sleep Apnea*, Thursday, March 11 from 10:30 to 11:25 am

Kathleen Gali, BA, Abstract # 1737, *Mitigating Factors of Perceived Stress: Mood Self-efficacy and Depressive Symptoms*, Friday, March 12, March 12, 5:15 to 6:30 pm

Annie Ginty, BS, Abstract # 1232, *Baseline and Recovery Pulse Rate is Lower in Individuals with a Balanced Outlook on Life Stressors*, Thursday, March 11, 5:00 to 6:15 pm

Sophia Green, BS, Abstract # 1729, *Assessing Self-Reported Stress and Cortisol in Pregnant African American and Hispanic Women*, Friday, March 12, March 12, 5:15 to 6:30 pm

Genna Hymowitz, MA, Abstract # 1688, *Stress and Abdominal Pain after Exposure to a Laboratory Stressor: Preliminary Analyses of Patients with Gastrointestinal Illness*, Saturday, March 13, 5:00 to 6:15 pm

Andrew Litchy, BA, Abstract # 1785, *The Effects of Samatha-Vipassana Meditation on Stress, Mood, and Health*, Saturday, March 13, 5:00 to 6:15 pm

Claire Stramrood, MD, Abstract # 1649, *Fathers with PTSD or Depression after a Complicated Pregnancy*, Saturday, March 13, 5:00 to 6:15 pm

Erin Tooley, MS, Abstract # 1587, *Coping Flexibility in Women with Fibromyalgia and Healthy Controls*, Saturday, March 13, 5:00 to 6:15 pm

Catherine Vance, Abstract # 1099, *Exercise is Related to Daytime Sleep Architecture, but not Self-Reported Sleep Quality, in Young Adults*, Saturday, March 13, 5:00 to 6:15 pm

Travel Award for MacLean Scholars

The MacLean Scholar awards were created to enable at least 5 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. MacLean Scholar winners will receive travel reimbursement to attend the meeting. 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 winners:

Adomas Bunevicius, MD, Abstract # 1614, *Organic Brain Lesions in the Left Temporal Lobe and Symptoms of Schizophrenia: Three Cases*, Saturday, March 13, 5:00 to 6:15 pm and Abstract # 1616, *Vulnerability to Stress in Medical Students is Associated with Mood Symptoms and Personality Traits*, Thursday, March 11, 5:00 to 6:15 pm

Ikechukwu Onyewuenyi, BSc, Abstract # 1383, *Metabolic Syndrome Covaries with Reduced Grey Matter Volume in the Hippocampus*, Saturday, March 13, 5:00 to 6:15 pm

Lukas Van Oudenhove, MD, Abstract # 1277, *Abnormal Brain Activity as a Putative Mediating Mechanism between Adverse Life Events and Symptom reporting in Functional Dyspepsia*, Friday, March 12 from 1:00 to 2:15 pm and Abstract # 1318, *Abnormal Brain Activity in Interoceptive and Pain Modulatory Regions in Functional Dyspepsia*, Saturday, March 13 from 3:45 to 5:00 pm

John Ryan, PhD, Abstract # 1326, *Functional Connectivity of the Cingulate Cortex Jointly Covaries with Agreeableness and Stressor-Evoked Cardiovascular Reactivity*, Thursday, March 11, 5:00 to 6:15 pm

APS Minority Initiative Travel Awards

These awards were developed to encourage the participation of underrepresented minority researchers (defined by the NIH to be African-Americans, Hispanics, Native-Americans and Alaska Natives, and Pacific Islanders). Each award provides monetary assistance for travel, hotel accommodations, and other fees associated with attending the APS Annual Meeting. We are pleased to announce the winners of this year's travel awards:

Denise Cooper, PhD, University of California, San Diego, CA, USA

Melissa Guaderrama, BA, Penn State, University Park, PA, USA

Sherlyn Jimenez, PhD, Boston University School of Medicine, Boston, MA, USA

Erica Williams, MA, National Institutes of Health/ National Cancer Institutes, Bethesda, MD, USA

The Cousins Center for Psychoneuroimmunology at the UCLA Neuropsychiatric Institute graciously sponsors the American Psychosomatic Society travel assistant awards to applicants from developing countries, enabling them to attend our meeting. This year we are pleased to announce that we have awarded travel assistance to **Alok Mishra, PhD of India** and **Andri Andri, MD, of Indonesia**.

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 assist with travel, hotel accommodations and meeting registration fees to the APS Annual Meeting. In addition, each scholarship will include one year of membership. We are pleased to announce the 9 winners of this year's scholarships:

Rafael Camara, MD, University of Bern, Switzerland

Virginia Carroll, MD, Rush University Medical Center, Chicago, IL, USA

Mark Dreusicke, MD, Duke University School of Medicine, Durham, NC, USA

Jessica Eccles, MBChB, Brighton & Sussex Medical School, Brighton, UK

Brandon Hidaka, MD, University of Kansas School of Medicine, Kansas City, KS, USA

Jennifer Knight, MD, University of Rochester Medical Center, Rochester, NY, USA

Sarah Patterson, BA, University of California, San Francisco, CA, USA

Christian Schultzer-Florey, Hannover Medical School, Hannover, Germany

Sophie Adrienne Vreeburg, MD, VU University Medical Center, Amsterdam, The Netherlands

Felicia Kuo Wong, MD, University of Massachusetts Medical School, Worcester, MA, USA

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 person selected should be in a leadership position in his or her field and able to influence others to become interested in APS by virtue of the stature and prestige of that person. The annual award consists of an honorarium to the recipient in addition to travel expenses to attend the Annual Meeting. The recipient should have had some involvement in research, should be an effective teacher and in a position to influence others, especially medical students, residents, and fellows. We are pleased to announce that the fifth award will be given to **Jurgen Unutzer, MD**, from University of Washington Medical Center in Seattle, Washington. Dr. Unutzer will facilitate a Roundtable luncheon entitled "Lab to Market 2010" on Friday, March 12 from 11:30 am to 12:45 pm.

Calling all APS Members!

Here is your opportunity to become more active and involved with APS. Consider participating on one of our committees. The following committees are open to new members and invite your participation: Membership, Professional Education, Fundraising, and Liaison Committees. For more information, stop by the APS Registration Desk. And be sure to attend the Business Meeting for an update on all committee activities.

Program-at-a-Glance

Wednesday, March 10, 2010

8:00 am - 7:30 pm	Registration Ballroom Foyer	<i>Integrative Medicine, UCSF; Elizabeth Kimbrough, PhD, University of Maryland School of Medicine; Elizabeth A. Hoge, MD; Harvard Medical School; Special Guest: Linda Carlson, PhD, University of Calgary</i> Douglas Fir/Meadowlark Room
8:00 am - 11:30 am	APS Council Meeting Columbia Room	
9:00 am - 4:30 pm	Full Day Workshop: A Primer on Cancer Biology and Plausible Mechanisms and Pathways for Stress-mediated Effects on Cancer Biology <i>Faculty: Paige McDonald, PhD, MPH, National Cancer Institute; Susan Lutgendorf, PhD, University of Iowa; Suzanne Conzen, MD, University of Chicago; Anil Sood, MD, MD Anderson Cancer Center; Erica Sloan, PhD, University of California, Los Angeles; and Edward L. Nelson, MD, University of California, Irvine</i> Salon A	5:00 - 5:10 pm Welcome & Announcements Salon F/G/H/I
12:30 - 4:30 pm	Half-Day Workshop: APS Mini-Medical School: Overview of Biomedical Pathophysiology Relevant to Stress and Disease Developed by the Professional Education Committee <i>Co-Chairs: Jason Satterfield, PhD and Daichi Shimbo, MD; Faculty: Margaret Kemeny, PhD; Jeanne McCaffery, PhD; Jason Satterfield, PhD and Daichi Shimbo, MD</i> Salon B/C/D	5:15 - 6:10 pm Plenary Session: A Homeostatic Definition of Stress: Application of Principles of Scientific Integrative Medicine to Mind-Body Disorders <i>Chair: Oliver Cameron, MD, PhD Speaker: David S. Goldstein, MD, PhD</i> Salon F/G/H/I
12:30 - 4:30 pm	Half-Day Workshop: Meditation Research and Psychosomatic Medicine: Evidence for Efficacy, Research Design Challenges and Lessons Learned <i>Faculty: Margaret A. Chesney, PhD, Osher Center for</i>	6:15 - 6:45 pm Award Session: Patricia R. Barchas Award Presentation: Getting Closer to Causal Understanding in Psychosocial Epidemiology: How Genes Can Help <i>Chair: Douglas Carroll, PhD Speaker: George Davey-Smith, PhD</i> Salon F/G/H/I
		6:45 - 7:00 pm Award Announcements Salon F/G/H/I
		7:15 - 8:30 pm Citation Poster Session and Cocktail Reception Salon E and Foyer

Thursday, March 11, 2010

7:00 am - 5:30 pm	Registration Ballroom Foyer	9:00 - 10:15 am Concurrent Sessions
7:00 - 8:00 am	Roundtable Breakfast/ Committee Meeting	Invited Symposium: Mapping Relationships between the Social World and Physical Health Sponsored by the Office of Behavioral and Social Sciences Research, National Institutes of Health, Bethesda, MD Salon F/G/H/I
Successful Transition to Post-Graduate Academic Employment: Recommendations from Early Career Panelists <i>Facilitators: Carrington Rice Wendell, MA Panelists: Phillip J. Quartana, PhD; Ted Robles, PhD and Cinnamon Stetler, PhD</i> Salem Room		Symposium 1074: Behavioral Interventions Based on Targeted Biopsychosocial Mediators of HIV Disease Progression Salon B/C
Big Science Initiative Task Force Meeting Medford Room		Paper Session 1 - Depression and Cardiac Disease Risk Salon D
8:00 - 8:55 am Plenary Session: Mechanisms Linking Stress and Disease <i>Chair: Deborah H. O'Leary, PhD Speaker: Gregory Miller, PhD</i> Salon F/G/H/I		Paper Session 2 - Pain Salon A
		10:15 - 10:30 am Break

Thursday, March 11, 2010, *continued*

10:30 - 11:25 am Concurrent Sessions

Invited Talk: Mindfulness-Based Cancer Recovery: Stress Management Programs for Cancer Patients

Chair: Margaret Chesney, PhD

Speaker: Linda Carlson, PhD

Salon F

Paper Session 3 - Sleep

Salon B/C

Paper Session 4 - Psychoendocrinology

Salon D

Paper Session 5 - Respiratory Disorders

Salon A

11:30 am - 12:45 pm Roundtable Lunches/Committee Meetings (or lunch on your own)

Psychosomatic Medicine Editorial Board Lunch

by invitation only

Columbia Room

New Opportunities for NIH Funding of Behavioral Medicine Research

Facilitators: Kate Stoney, PhD; Susan Czajkowski, PhD and Paige McDonald, PhD

Douglas Fir/Meadowlark Room

Solving Medical Mysteries

Facilitator: David Clarke, MD

Sunstone Room

Creating Stress Resilience: Principles and Best Practices

Facilitator: N. Lee Smith, MD

Salmon Room

12:45 - 2:00 pm Concurrent Sessions

Symposium 1045: Couple Interaction and Stress in Health and Disease: Psychological and Biological Mediators

Salon F

Invited Minority Initiative Symposium: Stress and Coping in the Context of Health Disparities

Chair: Julian Thayer, PhD

Speakers: Kofi Kondwani, PhD and Paige McDonald, PhD

Salon B/C

Symposium 1417: Stress and Pregnancy
Salon D

Paper Session 6 - Health Behaviors

Salon A

2:00 - 2:15 pm

Break

2:15 - 3:30 pm

Concurrent Sessions

Invited Symposium: Stress and Wound Healing

Chair: Ted Robles, PhD

Speakers: Janice Kiecolt-Glaser, PhD and Kavita Vedhara, PhD

Salon F

Paper Session 7 - Cardiac Disease Risk

Salon B/C

Symposium 1243: Evolving from Individual to Socially Contextualized Concepts and Theories of Stress: Illustrations from Pediatric Asthma

Salon D

Symposium 1774: Traumatic Stress and Physical Health

Salon A

3:30 - 3:45

Break

3:45- 5:00 pm

Plenary Session:

Measuring Biomarkers of Stress I: Practices, Pitfalls, and Possibilities

Chair: Sarosh Motivala, PhD

Speakers: Peter Gianaros, PhD; Julian Thayer, PhD; and Roland Von Känel, PhD

Salon F/G/H/I

5:00 - 6:15 pm

Poster Session 1
Salon E and Foyer

6:30 - 7:30 pm

Mentor/Mentee Reception
Mt. Hood Room

7:30 pm

Past Leaders Dinner (off site)

8:00 pm

Student dinner (off site)

Friday, March 12, 2010

7:00 am - 5:30 pm

Registration
Ballroom Foyer

Wendell, MA; Panelists: Mustafa al'Absi, PhD; Susan K. Lutgendorf, PhD and Karen A. Matthews, PhD
Medford Room

7:00 - 8:00 am

Roundtable Breakfasts/
Committee Meeting

R-volution Statistics

Facilitator: Michael A. Babyak, PhD

Salem Room

Successful Transition to Post-Graduate Academic Employment: Recommendations from Senior-Level Experts

Facilitators: Sarah Pressman, PhD and Carrington Rice

Membership/PMIG Committee Meeting

Columbia Room

Friday, March 12, 2010, *continued*

<p>8:00 - 8:55 am Presidential Address:</p> <p>Cardiovascular Disease and Neurocognitive Function: Hypertension is Just the Beginning <i>Chair: Matthew F. Muldoon, MD, MPH</i> <i>Speaker: Shari R. Waldstein, PhD, President, APS</i> Salon F/G/H/I</p>	<p>1:00 - 2:15 pm Concurrent Sessions</p> <p>Invited Symposium: Stress Reactivity and Recovery <i>Chair: Kristen Salomon, PhD</i> <i>Speakers: Andrew Steptoe, PhD; Mustafa al'Absi, PhD;</i> <i>Douglas Carroll, PhD & Anna Phillips, PhD</i> Salon F</p>
<p>9:00 - 9:55 am Plenary Session:</p> <p>Perspectives on Gene-Environment Interaction for Psychosomatic Medicine <i>Chair: Matthew F. Muldoon, MD, MPH</i> <i>Speaker: Stephen B. Manuck, PhD</i> Salon F/G/H/I</p>	<p>Symposium 1231: Stress and Functional Somatic Syndromes Salon B/C</p> <p>Symposium 1346: Sweating the Small Stuff?: Emotion, Stress, and Health in Everyday Life Salon D</p> <p>Paper Session 9 - Stress and Reproductive Function Salon A</p>
<p>10:00 - 10:15 am Break</p>	<p>2:15 - 2:30 pm Break</p>
<p>10:15 - 11:30 am Concurrent Sessions</p> <p>Symposium 1157: Emotion Regulation and Chronic Pain Salon F</p> <p>Symposium 1225: Experiences of Discrimination and Cardiovascular Risk Factors Salon B/C</p> <p>Symposium 1164: Recent Approaches to Perseverative Negative Cognitions and their Health-related Conse- quences Salon D</p> <p>Paper Session 8 - Cancer Salon A</p>	<p>2:30 - 3:45 pm Concurrent Sessions</p> <p>Invited Symposium: Psychosocial Stress as an Environ- mental Exposure: New Field Assessment Approaches and their Implications for Studies of Health and Disease Sponsored by the National Institutes of Health, Bethesda, MD Salon F</p> <p>Symposium 1325: Functional Neuroimaging of Stress: Human Evidence on Efferent and Afferent Brain-body Pathways Salon B/C</p> <p>Symposium 1116: Patients' Illness Perceptions and Outcomes in Cardiology Salon D</p> <p>Paper Session 10 - Race, Ethnicity, and Health Salon A</p>
<p>11:30 - 12:45 pm Roundtable Lunches/Committee Meetings (or lunch on your own)</p> <p>Stress and Health: The Integrative Contributions of Psychophysiology and Psychosomatic Medicine <i>Facilitators: Mustafa al'Absi, PhD; David A. Sbarra, PhD;</i> <i>Kristin Salomon, PhD; and Julian Thayer, PhD</i> Mt. Hood Room</p> <p>Lab to Market 2010 <i>Facilitators: Chair: Steven Locke, MD; Co-facilitators:</i> <i>Wayne Katon, MD; Jurgen Unutzer, MD; and Steven Cole,</i> <i>MD; Discussant: Kurt Kroenke, MD</i> Salem Room</p> <p>Effects of DSM V Proposals on Psychosomatic Medicine <i>Facilitators: Lawson Wulsin, MD and Joel Dimsdale, MD</i> Douglas Fir/Meadowlark Room</p>	<p>3:45 - 4:00 pm Break</p> <p>4:00 - 5:15 pm Plenary Session:</p> <p>Measuring Biomarkers of Stress II: Practices, Pitfalls, and Possibilities <i>Chair: Tara Gruenewald, PhD</i> <i>Speakers: Clemens Kirschbaum, PhD; Elissa Epel, PhD; and</i> <i>Steven W. Cole, PhD</i> Salon F/G/H/I</p> <p>5:15 - 6:30 pm Poster Session 2 Salon E and Foyer</p> <p>6:30 - 8:00 pm Special Interest Gatherings Mt. Hood Room</p>

Saturday, March 13, 2010

7:00 am - 5:00 pm	Registration Ballroom Foyer	Resilience Factors in Psychosomatic Research <i>Facilitators: Afton L. Hassett, PsyD and Sarah Pressman, PhD</i> Sunstone Room
7:00 - 8:00 am	Roundtable Breakfast/ Committee Meeting	Professional Education Committee Meeting Douglas Fir/Meadowlark Room
Emerging Emotion Regulation Interventions for Chronic Pain <i>Facilitators: Mark Lumley, PhD; Howard Schubiner, MD; Alex Zautra, PhD; and Mary Davis, PhD</i> Columbia Room		12:45 - 3:30 pm Awards Series Salon F/G/H/I
2010/2011 Program Committee Meeting Medford Room		Paul D. MacLean Award Presentation: Brain Value Systems and Psychophysiology: A New Look at Human Emotion <i>Chair: Richard Lane, MD, PhD</i> <i>Speaker: Tor D. Wager, PhD</i>
8:00 - 9:00 am	Business Meeting Salon F/G/H/I	Alvin P. Sharp Award Presentation: Chronic Pain - It Really is All In Their Head <i>Chair: Matthew F. Muldoon, MD, MPH</i> <i>Speaker: Daniel Clauw, MD</i>
9:00 - 9:55 am	President's Award: A Tribute to Dr. Thomas Pickering: Review of Distinguished Scientific Achievement <i>Chair: William Gerin, PhD</i> <i>Speakers: Neil Schneiderman, PhD; Joel Dimsdale, MD; and Peter Kaufmann, PhD</i> Salon F/G/H/I	Herbert Weiner Early Career Award Presentation: Ageing and Antibodies: Psychological Factors and Immunity Across the Life Course <i>Chair: Shari R. Waldstein, PhD</i> <i>Speaker: Anna Phillips, PhD</i>
10:00 - 10:15 am	Break	3:30 - 3:45 pm Break
10:15 - 11:30 am	Concurrent Sessions	3:45 - 5:00 pm Concurrent Sessions
Symposium 1035: Current Perspectives on Stress, Sleep and Health: Evidence from Experimental Studies and Randomized Clinical Trials Salon F		Symposium 1023: How can we Impact Community Clinical Practice? The Challenge of Dissemination Salon B/C
Paper Session 11 - Aging Salon B/C		Symposium 1310: Medically Unexplained Symptoms: New Evidence from Symptom Perception Research Salon D
Symposium 1124: Stress and Health in Black South Africans: The Sympathetic Activity and Ambulatory Blood Pressure in Africans (SABPA) study Salon D		Paper Session 13 - Depression and Health Salon A
Paper Session 12 - Stress and Cancer Salon A		5:00 - 6:15 pm Poster Session 3 Salon E and Foyer
11:30 - 12:45 pm	Roundtable Lunches/Committee Meetings (or lunch on your own)	7:00 pm Banquet Salon F/G/H/I
Using Actigraphy to Measure Sleep <i>Facilitator: Martica Hall, PhD</i> Salmon Room		

Scientific Program

Wednesday, March 10, 2010

8:00 - 11:30 am	COUNCIL MEETING	Columbia Room
8:00 am - 7:30 pm	REGISTRATION	Ballroom Foyer
9:00 - 4:30 pm	FULL DAY WORKSHOP	Salon A

Stress-mediated Effects on Cancer Biology: A Primer on Cancer Biology and Plausible Mechanisms

Faculty: Paige McDonald, PhD, MPH; Susan Lutgendorf, PhD; Suzanne Conzen, MD; Anil Sood, MD; Erica Sloan, PhD; and Edward L. Nelson, MD

This workshop is comprised of lectures and interactive audience participation to encourage the intellectual exchange of ideas between faculty and participants. Lectures will incorporate media and other innovative tools to facilitate learning.

9:00 - 9:30 am	Introduction & Welcome
9:30 - 10:15 am	Initiation and the Six Hallmarks of Cancer
10:15 - 10:30 am	Break
10:30 - 11:15 am	Angiogenesis, Invasion, Metastases
11:15 am - 12:00 pm	Inflammation and the Immune Response
12:00 - 12:15 pm	Synthesis of Cancer Biology Fundamentals
12:15 - 1:30 pm	Lunch (on your own)
1:30 - 2:15 pm	Systemic Regulation of Tumor Progression I: Hypothalamic-Pituitary Adrenal Axis
2:15 - 2:45 pm	Systemic Regulation of Tumor Progression II: Sympathetic Nervous System
2:45 - 3:00 pm	Break
3:00 - 3:30 pm	Systemic Regulation of Tumor Progression III: Clinical Models
3:30 - 4:15 pm	Translational Applications, Wrap Up and Summary: Panel Discussion
4:15 - 4:30 pm	Concluding Remarks

12:30 - 4:30 pm	HALF-DAY WORKSHOP	Salon B/C/D
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APS Mini-Medical School: Overview of Biomedical Pathophysiology Relevant to Stress and Disease

Developed by the Professional Education Committee

Co-Chairs: Jason Satterfield, PhD and Daichi Shimbo, MD; Faculty: Margaret Kemeny, PhD; Jeanne McCaffery, PhD; Jason Satterfield, PhD and Daichi Shimbo, MD

The educational aim of this workshop is to educate and inform graduate students and scientists (both early career and senior) by providing an up-to-date review of the basic biobehavioral mechanisms underlying stress-related diseases. Both basic biological mechanisms and "big picture" relevance to human health and psychological stress will be emphasized. Mastery of basic workshop content is intended to enrich comprehension and appreciation of more in depth presentations during the APS conference and to create collaborative bridges between research "silos."

The workshop will begin with an overview of current medical training, the major biomedical disciplines involved, a broad review of systems or diseases that are related to stress, and an introduction of the focused didactics. Medical scientists will then give a 35-40 minute evidence-based presentation in one of four areas relevant to stress and disease. Each talk will be followed by a 10-minute question and answer period. After the focused Q&A for the final speaker, there will be a 20-minute question and answer session. This moderated session will allow participants to ask cross-cutting questions and explore how various mechanisms in stress may inter-related. Speakers and moderators will make explicit links to upcoming sessions during the APS conference.

Overview

Speakers: Jason Satterfield, PhD and Daichi Shimbo, MD

Overview of medical paradigms and ways of thinking; primary disciplines, diseases, and mechanisms relevant to the study of stress, disease, and health.

Stress Physiology: Overview and Updates

Speaker: Kristen Salomon, PhD

Focus of this talk will be on 2 basic psychological stress pathways - the HPA axis and autonomic nervous system. Functional neuroanatomy, pathophysiology, biochemistry, and pharmacology will be reviewed. Core mediators, moderators, associated measurement instruments, and relevant health outcomes will be included. Basic examples of neuroendocrine and autonomic dysregulation will illustrate conceptual applications and possible therapeutic targets.

Biological Stress-related Mechanisms Specific to the Onset of the Acute Coronary Syndromes and Sudden Cardiac Death

Speaker: Daichi Shimbo, MD

Brief overview of cardiac anatomy and physiology including key mechanisms and functional outcomes. Mechanisms such as platelet aggregation, coagulation, inflammatory, and endothelial dysfunction will be reviewed, as well as the mechanisms of atherosclerotic plaque formation and disruption in the onset of the acute coronary syndromes. Further, additional mechanisms specific to sudden cardiac death such as arrhythmias will also be reviewed.

Gene-Environment Interactions in Stress

Speaker: Jeanne McCaffery, PhD

A basic overview of genes, genotypes, and phenotypes (at the level of medical school). Epigenetic models of gene-environment interaction will be described. Examples of interactions and models in stress will be reviewed and discussed. How these interactions are assessed methodologically will be reviewed.

The Immune System in Psychoneuroimmunology: Concepts, Measures, and Pathways

Speaker: Margaret Kemeny, PhD

Basics of immunologic functioning, relevant to psychological stress, will be reviewed including cells and tissues of the immune system, innate and adaptive immunity, humoral and cell-mediated immune responses, and the regulatory mechanisms that maintain a balance between activation and inhibition. Psychological stress-related pathophysiology will include coverage of tissue damage, inflammation, hypersensitivity, and autoimmunity.

12:30 - 4:30 pm

HALF-DAY WORKSHOP

Douglas Fir/Meadowlark Room

Meditation Research and Psychosomatic Medicine: Evidence for Efficacy, Research Design Challenges and Lessons Learned

Faculty: Margaret A. Chesney, PhD, Osher Center for Integrative Medicine, UCSF; Elizabeth Kimbrough, PhD, University of Maryland School of Medicine; Elizabeth A. Hoge, MD, Harvard Medical School; Special Guest: Linda Carlson, PhD, University of Calgary

An emerging body of research has demonstrated beneficial effects of meditation training in medical and psychiatric patient populations. This half-day workshop is designed for those interested or involved in meditation research. The workshop will start with a review of scientific evidence regarding the effects of meditative training on health outcomes including reducing blood pressure, pain, and psychological distress. There will also be facilitated discussions of methodological issues in meditation research, including the key challenges for research designs such as the selection of appropriate control groups and the measurement of physiological effects. The latter discussion will address neuroimaging, psychophysiological testing, and biomarkers including hormone and immune parameters. The focus of the workshop will be interactive, involving the attendees in the discussion. A special feature will be a brief "data-blitz" during which interested attendees will be encouraged to share a power-point slide summarizing their research findings and lessons learned.

5:00 - 5:10 pm

WELCOME AND ANNOUNCEMENTS

Salon F/G/H/I

5:15 - 6:10 pm

PLENARY SESSION

Salon F/G/H/I



David S. Goldstein

A Homeostatic Definition of Stress: Application of Principles of Scientific Integrative Medicine to Mind-Body Disorders

Chair: Oliver Cameron, MD

Speaker: David S. Goldstein, MD, PhD

This lecture traces the evolution of homeostasis and stress as medical scientific ideas, leading to current concepts such as allostasis and scientific integrative medicine that can help understand multi-system mind-body disorders. Claude Bernard proposed that continual compensatory changes of bodily functions maintain the internal environment bathing cells—the *milieu intérieur*. Walter B. Cannon coined the term, "homeostasis," referring to a set of goal values for internal variables. He taught that in emergencies activation of the sympathoadrenal system as a functional unit helps

restore homeostasis. Hans Selye viewed stress as producing a uniform response pattern, regardless of the stressor, that could lead to pathologic changes. According to the concept of "allostasis" there is no single ideal set of steady-state conditions in life; instead, setpoints and other response criteria change continuously. Stress is now viewed neither as a perturbation or a stereotyped response pattern but as a condition characterized by a perceived discrepancy between information about a monitored variable and criteria for eliciting effector responses. Different stressors elicit different patterns of activation of the sympathetic nervous, adrenomedullary hormonal, hypothalamic-pituitary-adrenocortical, and other effectors. Scientific integrative medicine is not a treatment method or discipline but a way of thinking that applies systems concepts to stress and to acute and chronic diseases. From relatively straightforward principles such as negative feedback regulation, multiple effectors, effector sharing, and homeostat resetting, one can construct a theoretical framework for understanding and rationally treating complex, multi-system, "mind-body" disorders.

6:15 - 6:45 pm



George Davey-Smith

AWARD SESSION

Salon F/G/H/I

**Patricia R. Barchas Award Presentation:
Getting Closer to Causal Understanding in Psychosocial Epidemiology: How Genes Can Help**

Chair: Doug Carroll, PhD

Speaker: George Davey-Smith, PhD

6:45 - 7:00 pm

AWARD ANNOUNCEMENTS

Salon F/G/H/I

The recipients of the APS Scholar, MD Fellowship, MacLean Travel, Minority Initiative and Cousins Global Travel scholarships, as well as the recipients of the Donald Oken Fellowship, Patricia R. Barchas, Paul D. MacLean, Alvin P. Shapiro and Herbert Weiner Awards will be recognized.

7:15 - 8:30 pm

CITATION POSTER SESSION AND COCKTAIL RECEPTION

Salon E and Foyer

1) Abstract 1718

EFFECTIVE CONNECTIVITY BETWEEN CORTICOLIMBIC BRAIN AREAS DURING STRESS PREDICTS MAGNITUDE OF BAROREFLEX SUPPRESSION

Israel C. Christie, PhD, Lei K. Sheu, PhD, Ikechukwu Onyewuenyi, BS, Peter J. Gianaros, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

2) Abstract 1713

OVERWEIGHT & OBESE ADOLESCENTS: WHO BENEFITS FROM STRESS REDUCTION PROGRAMS FOR BLOOD PRESSURE CONTROL?

Mathew J. Gregoski, PhD, Vernon A. Barnes, PhD, Martha S. Tingen, PhD, Yanbin Dong, MD/PhD, Pediatrics, Frank A. Treiber, PhD, Medical College of Georgia, Augusta, GA

3) Abstract 1569

IMPACT OF STRESS REDUCTION INTERVENTIONS UPON HOSTILITY AND AMBULATORY SYSTOLIC BLOOD PRESSURE AMONG AFRICAN AMERICAN ADOLESCENTS

Mathew J. Gregoski, PhD, Pediatrics, Medical College of Georgia, Augusta, GA, Lynda Brown Wright, PhD, Educational Psychology, University of Kentucky, Lexington, Ky, Martha S. Tingen, PhD, Vernon A. Barnes, Assistant Professor, Harry C. Davis, MS, Pediatrics, Frank A. Treiber, PhD, Medical College of Georgia, Augusta, GA

4) Abstract 1104

MINDFULNESS-BASED STRESS REDUCTION FOR PREHYPERTENSION

Joel W. Hughes, Ph.D., David M. Fresco, Ph.D., Manfred van Dulmen, Ph.D., Psychology, Kent State University, Kent, OH, Linda E. Carlson, Ph.D., Psychology, University of Calgary, Calgary, Alberta, Canada, Richard Josephson, MD, Medicine, Case Western Reserve University, Cleveland, OH, Rodney Myerscough, Ph.D., Psychiatry, Summa Health System, Akron, OH

5) Abstract 1604

ENDOTHELIAL FUNCTION: THE IMPACT OF OBJECTIVE AND SUBJECTIVE SOCIOECONOMIC STATUS ON FLOW MEDIATED DILATION

Denise C. Cooper, Ph.D., Milos S. Milic, M.D., Ph.D., Paul J. Mills, Ph.D., Wayne A. Bardwell, Ph.D., Michael G. Ziegler, M.D., Joel E. Dimsdale, M.D., Psychiatry and Behavioral Medicine, University of California San Diego, La Jolla, CA

6) Abstract 1508

POSTTRAUMATIC GROWTH DURING RECOVERY FROM HEMATOPOIETIC STEM CELL TRANSPLANTATION

Erin S. Costanzo, PhD, Ashley M. Nelson, BS, Meredith S. Bourne, BS, Psychiatry, Mark B. Juckett, MD, Hematology/Oncology, Christopher L. Coe, PhD, Psychology, University of Wisconsin-Madison, Madison, WI

7) Abstract 1198

THE IMPACT OF PROLONGED EXPOSURE THERAPY ON SUBJECTIVE HEALTH REPORTS IN AN HIV POSITIVE POPULATION

Maria L. Pacella, BA, Jessica Boarts, PhD, Aaron Armelie, Masters, Douglas L. Delahanty, PhD, Psychology, Kent State University, Kent, Oh

8) Abstract 1667

DOES SLEEP AGGRAVATE TENSION-TYPE HEADACHE?: A STUDY USING ACTIGRAPHY AND ECOLOGICAL MOMENTARY ASSESSMENT

Hiroe Kikuchi, MD, PhD, Kazuhiro Yoshiuchi, MD, PhD, Stress Sciences and Psychosomatic Medicine, Yoshiharu Yamamoto, PhD, Educational Physiology, Akira Akabayashi, MD, PhD, Stress Sciences and Psychosomatic Medicine, The University of Tokyo, Tokyo, JAPAN

9) Abstract 1199

PAIN-RELATED FEAR AND STRENGTH PERFORMANCE FOLLOWING DELAYED-ONSET MUSCLE SORENESS

Zina Trost, MS, Psychology, University of Washington Medical Center, Seattle, WA, Christopher R. France, PhD, Psychology, Ohio University, Athens, OH, Jane M. Lange, MS, Biostatistics, University of Washington, Seattle, WA, James S. Thomas, PhD, School of Physical Therapy, Ohio University, Athens, OH

10) Abstract 1643

THE ROLE OF CENTRAL ADIPOSITY AND EPINEPHRINE IN THE HOSTILITY TO GLUCOSE ASSOCIATION

Anastasia Georgiades, PhD, Redford B. Williams, MD, James D. Lane, PhD, Stephen H. Boyle, PhD, Beverly H. Brummett, PhD, Ilene C. Siegler, PhD, John C. Barefoot, PhD, Cynthia M. Kuhn, PhD, Richard S. Surwit, PhD, Psychiatry and Behavioral Sciences, Duke University School of Medicine, Durham, NC

11) Abstract 1186

DEPRESSION IS A RISK FACTOR FOR INCIDENT MYOCARDIAL INFARCTION IN DIABETIC PATIENTS

Jeffrey F. Scherrer, PhD, Patrick J. Lustman, PhD, Psychiatry, St. Louis VAMC and Washington University, St. Louis, MO, Lauren D. Garfield, MPH, Public Health, Saint Louis University, St. Louis, MO, Kenneth E. Freedland, PhD, Robert M. Carney, PhD, Psychiatry, Washington University, St. Louis, MO, Timothy Chrusciel, MPH, Angeliue Zeringue, MS, Research, St. Louis VAMC, St. Louis, MO, Richard Owen, MD, Psychiatry, University of Arkansas, Little Rock, AR, Kathleen K. Bucholz, PhD, Psychiatry, Washington University, St. Louis, MO, William R. True, PhD, St. Louis VAMC and Brown School of Social Work, St. Louis VAMC and Washington University, St. Louis, MO

12) Abstract 1313

CHILDHOOD AND ADULTHOOD PROSPECTIVE RISK MARKERS FOR IRRITABLE BOWEL SYNDROME IN THE 1958 BRITISH BIRTH COHORT

Laura Goodwin, PhD, Peter D. White, FRCPsych, Centre for Psychiatry, Barts & The London, Queen Mary University of London, London, U.K., Matthew Hotopf, PhD, MRCPsych, Department of Psychological Medicine, Institute of Psychiatry, King's College London, London, U.K., Stephen A. Stansfeld, PhD, FRCPsych, Charlotte Clark, PhD, Centre for Psychiatry, Barts & The London, Queen Mary University of London, London, U.K.

13) Abstract 1807

GENETIC VARIATION OF 5-HT₃ RECEPTOR DIFFERENTIATES BRAIN ACTIVATION IN RESPONSE TO RECTAL DISTENTION

Shin Fukudo, MD, PhD, Behavioral Medicine, Tohoku University Graduate School of Medicine, Sendai, Japan, Norio Ozaki, MD, PhD, Psychiatry, Nagoya University Graduate School of Medicine, Nagoya, Japan, Risa Aibiki, MS, Tomoko Mizuno, PhD, Satoshi Watanabe, PhD, Michiko Kano, MD, PhD, Motoyori Kanazawa, MD, PhD, Behavioral Medicine, Masashi Aoki, MD, PhD, Neurology, Tohoku University Graduate School of Medicine, Sendai, Japan

14) Abstract 1357

A PROSPECTIVE STUDY OF NON-MEDICAL PREDICTORS FOR ELECTIVE HYSTERECTOMY AMONG WOMEN IN MIDLIFE

Carolyn J. Gibson, MPH, Psychology, Joyce Bromberger, PhD, Epidemiology, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Gerson Weiss, MD, Obstetrics, Gynecology, and Women's Health, UMDNJ-New Jersey Medical School, Newark, NJ, Lynda Powell, PhD, Preventive Medicine, Rush Medical College, Chicago, IL, MaryFran Sowers, PhD, Epidemiology, University of Michigan School of Public Health, Ann Arbor, Michigan, Rebecca Thurston, PhD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA, Karen Matthews, PhD, Psychiatry, Epidemiology, Psychology, University of Pittsburgh, Pittsburgh, PA

15) Abstract 1161

NEGATIVE SOCIAL ENCOUNTERS AND METABOLIC RISK IN YOUNG WOMEN

Kharah M. Ross, BSc, Tara M. Martin, BA, Gregory E. Miller, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

16) Abstract 1102

STABILITY OF RELATIONSHIPS PREDICTS MIDLIFE MORTALITY IN THE UNC ALUMNI HEART STUDY

Ilene C. Siegler, Ph. D., M.P.H., Beverly H. Brummett, Ph. D., Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, NC

17) Abstract 1515

THE LIFE EVENTS ASSESSMENT PROFILE (LEAP): PRELIMINARY PSYCHOMETRIC ANALYSIS

Barbara P. Anderson, Ph.D., Psychology, University of Pittsburgh, Pittsburgh, PA, Elaine Wethington, Ph.D., Human Development, Cornell University, Ithaca, New York, Thomas W. Kamarck, Ph.D., Psychology and Psychiatry, Todd Bear, Masters, Public Health, Lucy Lubinski, Bachelors of Science, Teresa Steigerwalt, Bachelor's of Arts, Psychology, University of Pittsburgh, Pittsburgh, PA

18) Abstract 1296

NEURAL CORRELATES OF SOCIAL STATUS IN THE LAB RAT

Matthew W. Reid, BA, Psychology, Behavioral Neuroscience, Kat B. Saxton, MPH, Public Health, Darlene D. Francis, PhD, Psychology/Neuroscience/Public Health, University of California, Berkeley, Berkeley, CA

19) Abstract 1256

COGNITIVE HOSTILITY AND SUICIDE: RESULTS FROM THE FRENCH GAZEL COHORT STUDY

Cédric Lemogne, MD, C-L Psychiatry, European Georges Pompidou Hospital, Paris, FRANCE, Philippe Fossati, MD, PhD, CNRS USR 3246, Pitié-Salpêtrière Hospital, Paris, FRANCE, Frédéric Limosin, MD, PhD, Psychiatry, Coirentin-Celton Hospital, Issy Les Moulineaux, FRANCE, Hermann Nabi, PhD, Sébastien Bonenfant, MSc, INSERM U687-IFR69, Paul Brousse Hospital, Villejuif, FRANCE, Gaëlle Encrenaz, PhD, INSERM U897, Victor Segalen University, Bordeaux, FRANCE, Pierre Ducimetière, PhD, INSERM, Paul Brousse Hospital, Villejuif, FRANCE, Silla M. Consoli, MD, C-L Psychiatry, European Georges Pompidou Hospital, Paris, FRANCE

20) Abstract 1213

MATERNAL TRAUMATIC STRESS AND CHILD REGULATION: POTENTIAL PATHWAYS TO CHILD HEALTH OUTCOMES

Michelle Bosquet Enlow, Ph.D., Robert L. Kitts, M.D., Psychiatry, Children's Hospital Boston; Harvard Medical School, Boston, MA, Rosalind J. Wright, M.D., Channing Laboratory, Brigham and Women's Hospital; Harvard Medical School, Boston, MA

21) Abstract 1395

PRE-DEPLOYMENT HOSTILITY AND SELF-DIRECTEDNESS PREDICT LEVELS OF PTSD SYMPTOMS SIX MONTHS AFTER RETURN FROM DEPLOYMENT: A PROSPECTIVE STUDY

Mirjam van Zuiden, Master of Science, Cobi J. Heijnen, PhD, Laboratory of Psychoneuroimmunology, University Medical Center Utrecht, Utrecht, the Netherlands, Arthur R. Rademaker, PhD, Eric Vermetten, PhD, Research Centre, Military Mental Health, Ministry of Defence, Utrecht, the Netherlands, Annemieke Kavelaars, PhD, Laboratory of Psychoneuroimmunology, University Medical Center Utrecht, Utrecht, the Netherlands, Elbert Geuze, PhD, Research Centre, Military Mental Health, Ministry of Defence, Utrecht, the Netherlands

22) Abstract 1566

ANXIETY AND DEPRESSIVE SYMPTOMS DURING ADOLESCENCE AND FUTURE DEVELOPMENT OF FATIGUE

Maïke ter Wolbeek, Ph.D., Psychoneuroimmunology, University Medical Center Utrecht, Utrecht, The Netherlands, Lorenz J. van Doornen, Ph.D., Clinical and Health Psychology, Utrecht University, Utrecht, The Netherlands, Annemieke Kavelaars, Ph.D., Cobi J. Heijnen, Ph.D., Psychoneuroimmunology, University Medical Center Utrecht, Utrecht, The Netherlands

23) Abstract 1331

THE ASSOCIATION OF DEPRESSION WITH CARDIAC AND ALL-CAUSE MORTALITY IN THE 10 YEARS AFTER CORONARY ARTERY BYPASS GRAFT SURGERY

Ingrid Connerney, DrPH, Quality and Safety, University of Maryland Medical Center, Baltimore, Maryland, Richard P. Sloan, PhD, Behavioral Medicine, Emilia Bagiella, PhD, Biostatistics, Peter A. Shapiro, MD, Psychiatry, Columbia University, New York, NY

24) Abstract 1261

POSTTRAUMATIC STRESS DISORDER AFTER IMPLANTATION WITH AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR

Henneke Versteeg, MSc, Department of Medical Psychology, Tilburg University, Tilburg, The Netherlands, Dominic A. Theuns, PhD, Ruud A. Erdman, PhD, Luc Jordaens, MD, PhD, Department of Cardiology, Thoraxcenter, Erasmus Medical Center, Rotterdam, The Netherlands, Susanne S. Pedersen, PhD, Department of Medical Psychology, Tilburg University, Tilburg, The Netherlands

25) Abstract 1669

EARLY CHILDHOOD SOCIOECONOMIC STATUS IS ASSOCIATED WITH CIRCULATING INTERLEUKIN(IL)-6

Judith E. Carroll, M.S., Psychology, University of Pittsburgh, Pittsburgh, PA, Jeffrey A. Horenstein, Ph.D., Psychology, Carnegie Mellon University, Pittsburgh, PA, Aric A. Prather, M.S., Psychiatry and Behavioral Science, Duke University, Durham, NC, Jacqueline Fury, B.S., Psychology, Diana Ross, M.S., R.N., Nursing, University of Pittsburgh, Pittsburgh, PA, Sheldon Cohen, Ph.D., Psychology, Carnegie Mellon University, Pittsburgh, PA, Anna L. Marsland, Ph.D., R.N., Psychology, University of Pittsburgh, Pittsburgh, PA

26) Abstract 1743

PERCEIVED FAMILIAL SOCIAL STATUS MODULATES THE NEURAL RESPONSE TO VIEWING EMOTIONAL FACIAL EXPRESSIONS IN ADOLESCENTS

Keely A. Muscatell, BA, Baldwin M. Way, Ph.D., Naomi I. Eisenberger, Ph.D., Psychology, UCLA, Los Angeles, CA, Jennifer H. Pfeifer, Ph.D., Psychology, University of Oregon, Eugene, OR, Mirella Dapretto, Ph.D., Psychiatry and Biobehavioral Sciences, UCLA, Los Angeles, CA

27) Abstract 1477

PERSISTING EFFECTS OF EARLY LIFE SOCIAL CLASS ON GLUCOCORTICOID SENSITIVITY

Alvin Lim, BSc, Sherilynn Chan, BA, Edith Chen, PhD, Gregory E. Miller, PhD, Psychology, University of British Columbia, Vancouver, British Columbia, Canada

28) Abstract 1741

EVERYTHING IN MODERATION: TOO MUCH OR TOO LITTLE SLEEP IS ASSOCIATED HIGHER EVENING CORTISOL LEVELS

Natalia Dmitrieva, M.S., David M. Almeida, Ph.D, Human Development and Family Studies, Pennsylvania State University - University Park, University Park, PA

Thursday, March 11, 2010

7:00 am - 5:30 pm

REGISTRATION*Ballroom Foyer*

A light continental breakfast will be served from 7:30 to 8:30 am.

7:00 - 8:00 am

ROUNDTABLE BREAKFAST/ COMMITTEE MEETING**Successful Transition to Post-Graduate Academic***Salem Room***Employment: Recommendations from Early Career Panelists***Facilitators: Carrington Rice Wendell, MA**Panelists: Phillip J. Quartana, PhD, Ted Robles, PhD, and Cinnamon Stetler, PhD*

Early career panelists will describe their professional trajectories in academia to date and field questions regarding early career decisions. The session will include discussion of different types of academic settings and positions, academic job search strategies, and keys to success during the transition to post-graduate employment.

Big Science Initiative Task Force Meeting*Medford Room**Chairs: Mustafa al'Absi, PhD and Joel Dimsdale, MD*

8:00 - 8:55 am

PLENARY SESSION*Salon F/G/H/I*

Gregory Miller

Mechanisms Linking Stress and Disease*Chair: Deborah H. Olster, PhD**Speaker: Gregory Miller, PhD*

Over the past several decades there has been an explosion of interest in psychosomatic medicine, fueled by mounting evidence that psychological factors have important implications for health. The data from this line of work have been sufficiently compelling that a sizeable number of our biomedical colleagues - who were initially skeptical of it - now believe that factors such as chronic stress, depression, hostility, and social isolation influence vulnerability to certain diseases. As consensus opinion has come to support a role of psychosocial factors in influencing physical health, research has increasingly focused on identifying the biological and behavioral mechanisms underlying these effects. In this lecture my goal is to take stock of the knowledge accumulated in the biological arena to date, and to highlight conceptual and methodological approaches that have proven especially productive.

9:00 - 10:15 am

CONCURRENT SESSIONS**Invited Symposium: Mapping Relationships between the Social World and Physical Health***Salon F/G/H/I**Sponsored by the Office of Behavioral and Social Sciences Research, National Institutes of Health, Bethesda, MD**Chair: Deborah H. Olster, PhD**Speakers: Gregory Miller, PhD; Edith Chen, PhD; Steve W. Cole, PhD; and Philip M. McCabe, PhD*

This symposium reviews a general scientific strategy for mapping relationships among psychosocial risk factors, molecular mediators, and clinical disease progression, and illustrates the application of that approach to three different medical conditions: cardiovascular disease/atherosclerosis, asthma, and HIV-1 infection. Each program of research summarized in this symposium pursues a common "pathogenesis-targeted top-down/bottom-up" research strategy involving 1) focus on disease-proximal biological mechanisms, 2) top-down discovery of neuroendocrine mediators, coupled with 3) bottom-up discovery of neuro-immune interactions, and 4) modeling of temporal interactions between risk factors, molecular mediators, and clinical disease progression. This strategic approach was articulated in a recent theoretical review, "Health Psychology: Developing Biologically Plausible Models Linking the Social World and Physical Health" (Miller, Chen and Cole; *Annu. Rev. Psychol.* 2009), and the present symposium provides empirical case studies in the successful application of that approach using humans and laboratory animal models.

Symposium 1074: Behavioral Interventions Based on Targeted Biopsychosocial Mediators of HIV Disease Progression

Salon B/C

Chair: Jane Leserman, PhD

Individual Abstract Number: 1193

THE INFLUENCE OF PAST TRAUMATIC EXPERIENCES ON HIV-RELATED BEHAVIORS AND HEALTH OUTCOMES: AN EXPLORATION OF CAUSAL PATHWAYS

Brian W. Pence, PhD, Community and Family Medicine, Duke University, Durham, NC, Rae Jean Proeschold-Bell, PhD, Center for Health Policy, Duke University, Durham, NC, Jane Leserman, PhD, Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, NC, Susan Reif, Center for Health Policy, Duke University, Durham, NC, Michael J. Mugavero, MD, Medicine, University of Alabama at Birmingham, Birmingham, AL

Individual Abstract Number: 1249

DEVELOPING AN INTERVENTION MODEL AIMED AT REDUCING HIV PROGRESSION BASED ON TARGETING EMPIRICALLY LINKED BIOPSYCHOSOCIAL MEDIATORS

Lydia R. Temoshok, Ph.D., Lerissa L. Smith, B.S., Rebecca L. Wald, Ph.D., Institute of Human Virology/Medicine, University of Maryland School of Medicine, Baltimore, MD, James A. Wiley, Ph.D., RIMI Faculty Development Program, San Francisco State University, San Francisco, CA

Individual Abstract Number: 1306

AUGMENTED TRAUMA WRITING: EFFECTS ON HIV SYMPTOM REPORTS, CD4 AND VL

Gail H. Ironson, M.D., Ph.D., Psychology and Psychiatry, University of Miami, Coral Gables, Florida, Conall O'Cleirigh, Ph.D., Psychiatry, Harvard University, Boston, Mass., Joanne Fordiani, Ph.D., Psychology, University of Miami, Coral Gables, Florida, Neil Schneiderman, PhD, Psychology, University of Miami, Miami, FL, Jane Leserman, PhD, Psychiatry, University of North Carolina, Chapel Hill, North Carolina

Individual Abstract Number: 1076

PRELIMINARY EVIDENCE THAT AN INDIVIDUALLY-TAILORED, COGNITIVE-BEHAVIORAL INTERVENTION DECREASES HIV VIRAL LOAD

Adam W. Carrico, PhD, Center for AIDS Prevention Studies, University of California San Francisco, San Francisco, CA, Edwin D. Charlebois, Ph.D., Mallory O. Johnson, Ph.D., Center for AIDS Prevention Studies, University of California, San Francisco, San Francisco, CA, Robert H. Remien, Ph.D., Psychiatry, Columbia University, New York City, New York, Marguerita A. Lightfoot, Ph.D., Wayne T. Steward, Ph.D., Stephen F. Morin, Ph.D., Center for AIDS Prevention Studies, University of California, San Francisco, San Francisco, CA, Margaret A. Chesney, Ph.D., Center for Integrative Medicine, University of Maryland, Baltimore, MD

Paper Session 1 - Depression and Cardiac Disease Risk

Salon D

Chair: Kim Lavoie, PhD

Abstract 1069

A POSITIVE PHQ-2 DEPRESSION SCREEN AMONG HOSPITALIZED CHF PATIENTS PREDICTS 12-MONTHS MORTALITY

Bruce L. Rollman, MD, Bea Herbeck Belnap, PhD, Medicine, University of Pittsburgh, Pittsburgh, PA, Sati Mazumdar, PhD, Biostatistics, U of Pittsburgh Graduate School of Public Health, Pittsburgh, PA, Patricia R. Houck, MS, Psychiatry, Dennis McNamara, MD, Rene J. Alvarez, MD, Medicine, University of Pittsburgh, Pittsburgh, PA, Herbert C. Schulberg, PhD, Psychiatry, Weill Medical College of Cornell University, Riverdale, NY, Charles F. Reynolds, MD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Abstract 1442

DEPRESSIVE SYMPTOM CLUSTERS AS PREDICTORS OF CAD EVENTS OVER A 13-YEAR PERIOD

Jesse C. Stewart, Ph.D., Psychology, Indiana University-Purdue University Indianapolis, Indianapolis, IN, Timothy E. Stump, M.A., Christopher M. Callahan, M.D., Medicine, Indiana University School of Medicine, Indianapolis, IN

Abstract 1137

PERSISTENT COGNITIVE DEPRESSIVE SYMPTOMS ARE ASSOCIATED WITH CORONARY ARTERY CALCIFICATION

Mark Hamer, PhD, Mika Kivimaki, PhD, Epidemiology and Public Health, University College London, London, United Kingdom, Avijit Lahiri, MD, Cardiac Imaging and Research Centre, Wellington Hospital, London, United Kingdom, Andrew Steptoe, DPhil, Epidemiology and Public Health, University College London, London, United Kingdom

Abstract 1237

RECURRENT MAJOR DEPRESSION, BUT NOT C-REACTIVE PROTEIN PREDICTS PROGRESSION OF CORONARY ARTERY CALCIFICATION IN HEALTHY WOMEN

Karen A. Matthews, PhD, Psychiatry, Psychology, Epidemiology, Joyce T. Bromberger, PhD, Psychiatry, Epidemiology, Yue-Fang Chang, PhD, Neurosurgery, Kim Sutton-Tyrrell, DrPH, Epidemiology, University of Pittsburgh, Pittsburgh, PA, Daniel Edmundowicz, MD, Cardiovascular Institute, University of Pittsburgh Medical Center, Pittsburgh, PA

Paper Session 2 - Pain

Salon A

Chair: Joan Broderick, PhD

Abstract 1706

THE RAISED TRIAL (RHEUMATOID ARTHRITIS INSTRUCTION IN SKILLS AND EMOTIONAL DISCLOSURE): MAIN EFFECTS OF COPING SKILLS TRAINING AND WRITTEN EMOTIONAL DISCLOSURE

Mark A. Lumley, Ph.D., Psychology, Wayne State University, Detroit, Michigan, Francis J. Keefe, Ph.D., Psychiatry, Duke University Medical Center, Durham, North Carolina, Angelia Mosley-Williams, M.D., Medicine, John Dingell VA Medical Center, Detroit, Michigan, John Rice, M.D., Medicine, Duke University Medical Center, Durham, Michigan, Ainoa Mayo, BA, Anita Kalaj, BA, Jennifer Carty, BA, Psychology, Wayne State University, Detroit, Michigan, Daphne McKee, Ph.D., Mark Connelly, Ph.D., Sandra Waters, Ph.D., Psychiatry, Duke University Medical Center, Durham, North Carolina, Jay Cohen, Ph.D., Lynn Neely, Ph.D., Psychology, John Dingell VA Medical Center, Detroit, Michigan, Jennifer Stevenson, MSW, Psychology, Wayne State University, Detroit, Michigan

Abstract 1411

ANXIETY AND PSYCHOSOCIAL STRESSORS AS PREDICTORS OF DEPRESSION AND PAIN OUTCOMES: ANALYSIS OF A TRIAL OF PRIMARY CARE PATIENTS WITH COMORBID MUSCULOSKELETAL PAIN AND CLINICAL DEPRESSION

Matthew J. Bair, MD, Medicine, Center for Implementing Evidence Based Practices, Indianapolis, IN, Ellen L. Poleshuck, PhD, Psychiatry, University of Rochester Medical Center, Rochester, NY, Erin E. Krebs, MD, Teresa M. Damush, PhD, Medicine, Center for Implementing Evidence Based Practices, Indianapolis, IN, Wanzhu Tu, PhD, Jingwei Wu, MS, Medicine, Indiana University School of Medicine, Indianapolis, IN, Kurt Kroenke, MD, Medicine, Center for Implementing Evidence Based Practices, Indianapolis, IN

Abstract 1749

WHEN ACUTE PAIN TURNS CHRONIC: THE PSYCHOSOMATICS OF LOW BACK PAIN

Wolf E. Mehling, MD, Family and Community Medicine, Viranjini Gopisetty, MD, MPH, Mike Acree, PhD, Osher Center for Integrative Medicine, University of California San Francisco, San Francisco, CA, Harley Goldberg, DO, Family and Community Medicine, University of California San Francisco, Oakland, CA, Frederick M. Hecht, MD, Internal Medicine, University of California San Francisco, San Francisco, CA, Timothy S. Carey, MD, MPH, Medicine and Social Medicine, University of North Carolina, Chapel Hill, Chapel Hill, NC, Andrew L. Avins, MD, MPH, Medicine, University of California San Francisco, Oakland, CA

Abstract 1761

SOCIAL SUPPORT MODERATES THE RELATIONSHIP BETWEEN CATASTROPHIZING AND PAIN SEVERITY

Doerte U. Junghaenel, Ph.D., Psychiatry, Stefan Schneider, Dipl.Psych., Psychology, Joan E. Broderick, Ph.D., Psychiatry, Stony Brook University, Stony Brook, NY

Abstract 1494

POST-TRAUMATIC STRESS SYMPTOMS FOLLOWING ATHROPLASTIC SURGERY: A MECHANISM FOR UNDERSTANDING THE FEAR-AVOIDANCE MODEL

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

10:15 - 10:30 am

BREAK



Linda Carlson

**Invited Talk: Mindfulness-Based Cancer Recovery:
Stress Management Programs for Cancer Patients**

Salon F

Chair: Margaret Chesney, PhD

Speaker: Linda Carlson, PhD

Cancer patients experience a wide range of consequences of their disease and treatment, including high levels of stress, anxiety and depression and symptoms such as fatigue, pain and sleep difficulties. Mindfulness-based interventions utilize intensive training in mindfulness meditation and gentle Hatha yoga to help patients cope with and thrive beyond these challenges. Beginning in 1996 we developed a program modeled on Kabat-Zinn's Mindfulness-based Stress Reduction (MBSR), now known as Mindfulness-based Cancer Recovery (MBCR), at the Tom Baker Cancer Centre in Calgary, Canada. A series of quantitative and qualitative studies have evaluated its efficacy for decreasing symptoms of stress, mood disturbance, fatigue and sleep difficulties, improving overall quality of life and enhancing positive outcomes such as spirituality and post-traumatic growth. We have also investigated biomarkers such as immune function, salivary cortisol and blood pressure. Randomized controlled trials are underway comparing MBCR to other active interventions for treating persistent distress and clinical insomnia in cancer survivors.

Paper Session 3 - Sleep

Salon B/C

Chair: Michele Okun, PhD

Abstract 1460

THE EFFECT OF A BRIEF BEHAVIORAL TREATMENT OF INSOMNIA (BBTI) ON CORTISOL AND SYSTEMIC INFLAMMATION IN LATE-LIFE INSOMNIACS

Aric A. Prather, MS, Psychology, University of Pittsburgh, Pittsburgh, PA, Michele L. Okun, Ph.D., Martica Hall, Ph.D., Amy E. Begley, M.A., Mary E. Fletcher, B.S., Daniel J. Buysse, M.D., Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA

Abstract 1509

INCREASED INFLAMMATORY REGULATOR MACROPHAGE MIGRATORY INHIBITORY FACTOR (MIF) IN OBSTRUCTIVE SLEEP APNEA

Kate M. Edwards, Ph.D., Paul J. Mills, Ph.D., Lianne M. Tomfohr, Sonia Ancoli-Israel, Ph.D., Psychiatry, Jose S. Loreda, M.D., Medicine, Joel E. Dimsdale, M.D., Psychiatry, University of California, San Diego, La Jolla, CA

Abstract 1572

SLEEP AND THE METABOLIC SYNDROME: LOOKING BEYOND SELF-REPORT MEASURES AND SLEEP DISORDERED BREATHING

Martica Hall, Ph.D., Psychiatry and Psychology, University of Pittsburgh, School of Medicine, Pittsburgh, PA, Karen A. Matthews, PhD, Psychiatry, Psychology, Epidemiology, Thomas W. Kamarck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA, Daniel J. Buysse, MD, Psychiatry, Patrick J. Strollo, MD, Medicine, Jane F. Owens, DrPH, Psychiatry, Steven E. Reis, MD, Medicine, University of Pittsburgh, School of Medicine, Pittsburgh, PA

Abstract 1415

ESTIMATES OF SLEEP DURATION BY SELF-REPORT, POLYSOMNOGRAPHY, AND ACTIGRAPHY: FACTORS RELATED TO DIFFERENCES BETWEEN METHODS

Elizabeth J. Mezick, M.S., Psychology, Jane F. Owens, DrPH, Daniel J. Buysse, MD, Martica Hall, PhD, Psychiatry, Thomas W. Kamarck, PhD, Psychology, Lee Laisze, MS, Psychiatry, Patrick J. Strollo, MD, Steven E. Reis, MD, Medicine, Karen A. Matthews, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Paper Session 4 - Psychoendocrinology

Salon D

Chair: Doug Delahanty, PhD

Abstract 1427

GLUCOCORTICOID SIGNALING, INFLAMMATION, AND FATIGUE IN BREAST CANCER SURVIVORS

Julienne E. Bower, Ph.D., Psychology/Psychiatry, Patricia A. Ganz, M.D., Medicine/Public Health, Michael R. Irwin, M.D., Psychiatry, Steve Cole, Ph.D., Medicine, University of California, Los Angeles, Los Angeles, CA

Abstract 1255

GLUCOCORTICOID REGULATION OF IMMUNE ACTIVATION IN EARLY HIV

Sarah L. Patterson, BA, Patricia J. Moran, PhD, Medicine, Elissa S. Epel, PhD, Psychiatry, Elizabeth Sinclair, PhD, C. L. Epling, MS, Michael C. Acree, PhD, Medicine, Peter Bacchetti, PhD, Biostatistics, Steven G. Deeks, MD, Susan Folkman, PhD, Frederick M. Hecht, MD, Medicine, University of California San Francisco, San Francisco, CA

Abstract 1692

CORTISOL REACTIVITY AND COGNITIVE PERFORMANCE IN CHILDHOOD: MODELING CORTISOL TRAJECTORIES USING TWO DIFFERENT CLUSTERING METHODOLOGIES CHANGES THE STORY

Kaja Z. LeWinn, ScD, Center for Health and Community, University of California, San Francisco, CA, Alan Hubbard, PhD, Lia Fernald, PhD, School of Public Health, University of California, Berkeley, CA

Abstract 1264

PSYCHOLOGICAL TRAITS AND HYPOTHALAMUS-PITUITARY-ADRENAL AXIS ACTIVITY: RESULTS FROM THE NETHERLANDS STUDY OF DEPRESSION AND ANXIETY

Sophie A. Vreeburg, MD, Psychiatry, VU Medical Center, Amsterdam, the Netherlands, Aafke van Santen, MSc, Faculty of Psychology and Education, VU University, Amsterdam, the Netherlands, Willem van der Does, PhD, Psychology, Philip Spinhoven, PhD, Clinical and Health Psychology, Leiden University, Leiden, the Netherlands, Frans G. Zitman, MD, PhD, Psychiatry, Leiden University Medical Center, Leiden, the Netherlands, Brenda W. Penninx, PhD, Psychiatry, VU University Medical Center, Amsterdam, the Netherlands

Paper Session 5 - Respiratory Disorders

Salon A

Chair: Kim Lavoie, PhD

Abstract 1646

ASSOCIATION OF PHYSICAL ACTIVITY AND ASTHMA CONTROL

Simon L. Bacon, PhD, Maxine Boudreau, BA, Ariane Jacob-Lessard, MSc, Karine Ouellet, BA (c), Kim L. Lavoie, PhD, MBMC, Exercise Science, Psychology, Concordia Uni, HSCM, MHI, UQAM, Montreal, Quebec, Canada

Abstract 1206

DEPRESSIVE SYMPTOMS AND LOW SOCIAL SUPPORT INCREASE RISK OF ADULT ASTHMA: FINDINGS FROM A POPULATION-BASED COHORT STUDY

Adrian Loerbroks, PhD, Mannheim Institute of Public Health, Mannheim Medical Faculty, Heidelberg University, Mannheim, Germany, Christian J. Apfelbacher, PhD, Department of Clinical Social Medicine, University Hospital Heidelberg, Heidelberg, Germany, Jos A. Bosch, PhD, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, UK, Til Stürmer, MD, MPH, UNC Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC

Abstract 1762

PSYCHOLOGICAL DISTRESS AND MALADAPTIVE COPING STYLES IN PATIENTS WITH SEVERE VERSUS MODERATE ASTHMA

Kim L. Lavoie, PhD, D Bouthillier, PhD, Psychology, Pneumology, MBMC, UQAM, Hôpital du Sacré-Coeur de Montréal, McGill, Montreal, Quebec, Canada, S L. Bacon, PhD, C Lemiere, MD, J Martin, MD, Q Hamid, MD, PhD, M Ludwig, MD, R Olivenstein, MD, P Ernst, MD, Psychology, Pneumology, MBMC, UQAM, Hôpital du Sacré-Coeur, McGill, Montreal, Quebec, Canada

Abstract 1336

DIFFERENTIAL IMPACT OF MOOD AND ANXIETY DISORDERS ON RISK FOR COPD EXACERBATIONS

Kim L. Lavoie, PhD, C Laurin, PhD, M Labrecque, MD, S L. Bacon, PhD, Psychology, Pneumology, Exercise Science, MBMC, UQAM, Hôpital du Sacré-Coeur, Concordia, Montreal, Quebec, Canada

11:30 am - 12:45 pm

ROUNDTABLE LUNCHES/ SPECIAL MEETING (or lunch on your own)

Psychosomatic Medicine Editorial Board Lunch
by invitation only

Columbia Room

New Opportunities for NIH Funding of Behavioral Medicine Research

Douglas Fir/Meadowlark Room

Facilitators: Kate Stoney, PhD; Susan Czajkowski, PhD and Paige McDonald, PhD

This roundtable will accomplish two goals. The first goal is to provide an overview of NIH and the

Thursday, March 11, 2010

grants process with special emphasis on the recent and upcoming changes in grants submission, review and other NIH policies. This will be relevant to both new and established investigators. The overview will also describe funding opportunities for behavioral and social science research, resources for information and guidance, and new opportunities.

The second goal is for the participants to meet with NIH representatives. Various institute staff will provide introductions of their respective institutes, centers, and offices and discuss current initiatives and broad NIH goals in the behavioral and social sciences. Time will be provided for questions. One anticipated outcome will be an increased exchange between NIH scientific staff and potential applicants. Participants will leave with the most up-to-date information on:

- * Changes in NIH submission, review, and other NIH policies
- * New NIH initiatives and funding opportunities in basic, translational and applied behavioral and social science
- * Future directions & priorities for behavioral medicine research at NIH

Solving Medical Mysteries

Sunstone Room

Facilitator: David Clarke, MD

This roundtable explains a practical approach to the 60% of primary care outpatients whose somatic symptoms are due to psychosocial stresses. Topics covered include how to avoid resentment while uncovering links between somatic symptoms and unrecognized psycho-social stresses (current problems, prolonged effects of childhood stress, somatic presentations of depression, PTSD and anxiety). The talk also includes a few thoughts on effective management techniques.

Creating Stress Resilience: Principles and Best Practices

Salmon Room

Facilitator: N. Lee Smith, MD

This roundtable will identify key mental principles well proven to improve health outcomes, discuss practices that best implement those principles, and discuss some neurobiological mechanisms involved.

12:45 - 2:00 pm

CONCURRENT SESSIONS

Symposium 1045: Couple Interaction and Stress in Health and Disease: Psychological and Biological Mediators

Salon F

Chair: Beate Ditzen, PhD

Individual Abstract Number: 1047

SPOUSAL INTERRELATIONS IN DEPRESSIVE SYMPTOMS AND FUNCTIONAL LIMITATIONS: LONGITUDINAL FINDINGS FROM THE STUDY OF ASSET AND HEALTH DYNAMICS AMONG THE OLDEST OLD (AHEAD)

Christiane A. Hoppmann, PhD, Psychology, University of British Columbia, Vancouver, British Columbia, Canada, Denis Gerstorf, PhD, Human Development and Family Studies, The Pennsylvania State University, University Park, PA, Anita Hibbert, BA, Psychology, University of British Columbia, Vancouver, BC, Canada

Individual Abstract Number: 1378

DYADIC COPING WITH CHRONIC PAIN

Anita DeLongis, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada, Holtzman Susan, PhD, Psychology, University of British Columbia - Okanagan, Kelowna, BC, Canada, Eli Puterman, PhD, Center for Health and Community, University of California, San Francisco, San Francisco, CA

Individual Abstract Number: 1457

ATTACHMENT SECURITY PREDICTS CORTISOL RESPONSES TO STRESSFUL AND SUPPORTIVE INTERACTION WITH A ROMANTIC PARTNER

Kathryn P. Brooks, M.A., Theodore F. Robles, PhD, Psychology, University of California, Los Angeles, Los Angeles, CA

Individual Abstract Number: 1129

EFFECTS OF COUPLES RELATIONSHIP EDUCATION ON CORTISOL LEVELS DURING PSYCHOLOGICAL STRESS AND COUPLE CONFLICT

Beate Ditzen, Ph.D., Psychology, Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Switzerland, Kurt Hahlweg, Ph.D., Psychology, Clinical Psychology, Psychotherapy, and, Technical University Braunschweig, Braunschweig, Germany, Gabriele Fehm-Wolfsdorf, Ph.D., Institute of Behavioral Medicine, Lubeck, Germany



Kofi Kondwani



Paige McDonald

Invited Minority Initiative Symposium: Stress and Coping in the Context of Health Disparities

Chair: Julian Thayer, PhD

Speakers: Kofi Kondwani, PhD and Paige McDonald, PhD

THE INFLUENCE OF BIOBEHAVIORAL RISK FACTORS ON TUMOR BIOLOGY: PLAUSIBLE PATHWAYS, MECHANISMS AND IMPLICATIONS FOR BREAST CANCER DISPARITIES

Paige McDonald, PhD

UNRELEASED STRESS AND ITS IMPACT ON HEALTH DISPARITIES

Kofi Kondwani, PhD

Symposium 1417: Stress and Pregnancy

Salon D

Chair: Clayton J. Hilmert, PhD

Individual Abstract Number: 1418

STRESS IN PREGNANCY AND BIRTH OUTCOMES: BIOPSYCHOSOCIAL ADVANCES

Christine Dunkel Schetter, Ph.D., Psychology, University of California, Los Angeles, Los Angeles, CA

Individual Abstract Number: 1419

BIRTHWEIGHT, CHANGES IN BLOOD PRESSURE DURING PREGNANCY, AND LIFETIME EXPERIENCES OF DISCRIMINATION

Clayton J. Hilmert, Ph.D., Psychology, North Dakota State University, Fargo, ND; Tyan L. Parker Dominguez, Ph.D., School of Social Work, University of Southern California, Los Angeles, CA; Christine L. Dunkel Schetter, Ph.D., Psychology, University of California, Los Angeles, Los Angeles, CA; Laura M. Glynn, Ph.D., Psychiatry & Human Behavior, University of California, Irvine, Orange, CA; Calvin M. Hobel, MD, Obstetrics & Gynecology, Cedars-Sinai Medical Center, Los Angeles, CA; Curt A. Sandman, Ph.D., Psychiatry & Human Behavior, University of California, Irvine, Irvine, CA

Individual Abstract Number: 1420

NEURAL-IMMUNE CORRELATES OF STRESS DURING PREGNANCY

Mary E. Coussons-Read, Ph.D., Psychology, University of Colorado Denver, Denver, CO

Individual Abstract Number: 1424

CYTOKINES, CORTICOTROPIN-RELEASING HORMONE, AND PSYCHOSOCIAL STRESS IN PREGNANCY

Gwen A. Latendresse, Ph.D., College of Nursing, University of Utah, Salt Lake City, UT; R. Jeanne Ruiz, PhD WHNP, Univ. of Texas, Austin; Gregory Whitlock, PhD MT, UTMB-Galveston; Bob Wong, PhD, U of Utah

Individual Abstract Number: 1550

CHANGES IN SLEEP QUALITY, BUT NOT HORMONES PREDICT TIME TO POSTPARTUM DEPRESSION RECURRENCE

Michele L. Okun, Ph.D., Sleep Medicine Institute, University of Pittsburgh School of Medicine, Pittsburgh, PA

Paper Session 6 - Health Behaviors

Salon A

Chair: Simon Bacon, PhD

Abstract 1747

THE POWER OF EXERCISE: BUFFERING THE EFFECT OF CHRONIC STRESS ON TELOMERE LENGTH

Eli Puterman, PhD, Aoife O'Donovan, PhD, Psychiatry, University of California, San Francisco, San Francisco, CA; Aleksandra Kuczmarska, Biology, Harvard University, Boston, Massachusetts; Nancy Adler, Center for Health and Community, Jue Lin, Biochemistry, Elissa Epel, PhD, Psychiatry, Elizabeth Blackburn, PhD, Biochemistry, University of California, San Francisco, San Francisco, CA

Abstract 1613

THE PERCEPTION OF THE BENEFITS OF EXERCISE AND THE BARRIERS TO EXERCISE IS HERITABLE, BUT CHANGING THESE ATTITUDES CAN CHANGE EXERCISE BEHAVIOR

Eco de Geus, PhD, Iris Jansen, BSc, Marleen de Moor, PhD, Biological Psychology, VU University, Amsterdam, Netherlands

Abstract 1136

OBJECTIVELY ASSESSED SECOND HAND SMOKE EXPOSURE AND MENTAL HEALTH IN ADULTS: CROSS-SECTIONAL AND PROSPECTIVE EVIDENCE FROM THE SCOTTISH HEALTH SURVEY

Mark Hamer, PhD, Emmanuel Stamatakis, PhD, Epidemiology and Public Health, University College London, London, London, United Kingdom, David Batty, PhD, Centre for Cognitive Ageing & Cognitive Epidemiology, University of Edinburgh, Edinburgh, Edinburgh, United Kingdom

Abstract 1514

FITNESS TRAINING REDUCES THE ACUTE EXERCISE MATRIX METALLOPROTEINASE (MMP) RESPONSE IN HYPERTENSION

Kate M. Edwards, Ph.D., Bassem M. Shoucri, B.S., Barbara G. Woods, B.S., Psychiatry, Geert W. Schmid-Schonbein, Ph.D., Bioengineering, Paul J. Mills, Ph.D., Psychiatry, University of California, San Diego, La Jolla, CA

Abstract 1549

EATING HABITS PREDICT OUTCOMES IN PATIENTS AWAITING HEART TRANSPLANTATION: THE WAITING FOR A NEW HEART STUDY

Heike Spaderna, PhD, Johanna Pretsch, MSc, Daniela Zahn, PhD, Psychology, Johannes Gutenberg-Universität, Mainz, Germany, Jacqueline M. Smits, PhD, MD, Thoracic Advisory Committee, Eurotransplant International Foundation, Leiden, The Netherlands, Gerdi Weidner, PhD, Biology, San Francisco State University, Tiburon, CA

2:00 - 2:15 pm

BREAK

2:15 - 3:30 pm

CONCURRENT SESSIONS

Invited Symposium: Stress and Wound Healing

Salon F

Chair: Ted Robles, PhD

Speakers: Janice Kiecolt-Glaser, PhD and Kavita Vedhara, PhD



Janice Kiecolt-Glaser

STRESS AND WOUND HEALING: PSYCHONEUROIMMUNOLOGY AT THE CUTTING EDGE

Janice Kiecolt-Glaser, PhD

Both human and animal studies have demonstrated that stress delays wound healing; these data provide evidence of one key pathway through which psychological and behavioral responses may influence surgery and postsurgical outcomes. After briefly reviewing key studies, newer work addressing oxytocin will be discussed, as well as evidence highlighting the ability of stress to disrupt skin barrier repair following tape stripping. Clinical and research applications will be highlighted.



Kavita Vedhara

PSYCHOSOCIAL FACTORS AND WOUND HEALING: A TALE OF TWO CHRONIC WOUNDS

Kavita Vedhara, PhD

Experimental research has shown repeatedly that the experience of psychological distress is associated with delayed healing of acute/experimental wounds. This presentation will consider first, the results from a recent meta-analysis in which this evidence was reviewed and will then present results from two recent observational studies with chronic wounds (diabetic foot ulcer and venous leg ulcers) in which the relationship between psychosocial factors and healing has been examined.

Paper Session 7 - Cardiac Disease Risk

Salon B/C

Chair: Rebecca Thurston, PhD

Abstract 1624

STRESS MANAGEMENT PROLONGS LIFE FOR CHD PATIENTS: A RANDOMIZED CLINICAL TRIAL ASSESSING THE EFFECTS OF GROUP INTERVENTION ON ALL CAUSE MORTALITY, RECURRENT CARDIOVASCULAR DISEASE, AND QUALITY OF LIFE

Gunilla K. Burell, Ph.D., Kurt Svardsudd, M.D., Mats Gulliksson, M.D., Public Health, Uppsala University, Uppsala, Sweden

Abstract 1365

HOSTILITY, ANGER, AND ANGER EXPRESSION AS PREDICTORS OF CARDIOVASCULAR DISEASE

Ari Haukkala, PhD, Hanna Konttinen, MSc, Social Psychology, University of Helsinki, Helsinki, Finland, Antti Uutela, Department of Lifestyle and Participation, National Institute for Health and Welfare, Helsinki, Finland

Abstract 1194

CHILDHOOD PHYSICAL ABUSE IS ASSOCIATED WITH INCIDENT METABOLIC SYNDROME IN MID-LIFE WOMEN

Aimee J. Midei, M.S., Psychology, Karen A. Matthews, Ph.D., Psychiatry and Psychology, Joyce T. Bromberger, Ph.D., Epidemiology and Psychiatry, University of Pittsburgh, Pittsburgh, PA

Abstract 1772

STRESS REDUCTION AND ATHEROSCLEROTIC CVD IN AFRICAN AMERICANS

John W. Salerno, Ph.D, Robert H. Schneider, M.D., Maxwell Rainforth, Ph.D, Center for Natural Medicine and Prevention, Maharishi University Research Institute, Maharishi Vedic City, Iowa, Hector Myers, Ph.D, Medicine, University of California at Los Angeles, Los Angeles, CA, U, Carolyn King, Ph.D, Center for Natural Medicine and Prevention, Maharishi University Research Institute, Maharishi Vedic City, Iowa

Abstract 1445

HOT FLASHES, INFLAMMATION, AND COAGULATION: A LINK TO CARDIOVASCULAR RISK?

Rebecca C. Thurston, PhD, Psychiatry, Samar R. El Khoudary, PhD, Kim Sutton-Tyrrell, DrPH, Epidemiology, University of Pittsburgh, Pittsburgh, PA, Carolyn Crandall, MD, Medicine, UCLA School of Medicine, Los Angeles, CA, Barbara Sternfeld, PhD, Division of Research, Kaiser Permanente, Oakland, CA, Faith Selzer, PhD, Epidemiology, University of Pittsburgh, Pittsburgh, PA, Ellen Gold, PhD, Department of Public Health Sciences, University of California Davis School of Medicine, Davis, CA, Karen A. Matthews, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

**Symposium 1243: Evolving from Individual to Socially
Contextualized Concepts and Theories of Stress:
Illustrations from Pediatric Asthma**

Salon D

Chair: Beatrice L. Wood, PhD

Individual Abstract Number: 1627

CHAOTIC HOME ENVIRONMENTS: A BREEDING GROUND FOR RELATIONAL STRESS AND POOR LUNG FUNCTIONING IN CHILDREN WITH ASTHMA

Barbara H. Fiese, Ph.D., Human and Community Development, University of Illinois at Urbana-Champaign, Urbana, IL, Marcia A. Winter, Ph.D., PSYCHIATRY M&D RESEARCH, University of Rochester, Rochester, NY, Robin S. Everhart, M.S., Bio Med Psychiatry & Human Behavior, Brown University, Providence, RI

Individual Abstract Number: 1634

THE ROLE OF CLOSE INTERPERSONAL STRESS IN CHILDHOOD ASTHMA

Seija Sandberg, M.D., Mental Health Sciences, University College London, London, London, United Kingdom

Individual Abstract Number: 1631

THE EFFECTS OF ATTACHMENT, SEPARATION AND LOSS ON CHILD ASTHMA: DEPRESSION AND AUTONOMIC DYSREGULATION AS POSSIBLE MECHANISMS

Bruce D. Miller, M.D., Psychiatry, University of New York at Buffalo, Buffalo, NY

Individual Abstract Number: 1632

EFFECT OF FAMILY HOSTILITY VERSUS WARMTH ON AIRWAY FUNCTION DURING STRESSFUL FAMILY INTERACTION

Beatrice L. Wood, Ph.D., Psychiatry, University at Buffalo, Buffalo, NY

Symposium 1774: Traumatic Stress and Physical Health

Salon A

Chair: Judith E. Andersen, PhD

Individual Abstract Number: 1776

EFFECTS OF TRAUMA HISTORY ON PHYSICAL HEALTH

Judith E. Andersen, Ph.D., Psychology, Cornell University, Ithaca, NY

Individual Abstract Number: 1779

SUSCEPTIBILITY TO ACUTE STRESS REACTIONS AND CARDIOVASCULAR AILMENTS FOLLOWING TRAUMA EXPOSURE: EXPLORING GENETIC FACTORS

Alison E. Holman, Ph.D., Nursing Science, University of California, Irvine, Irvine, CA

Individual Abstract Number: 1783

THE EFFECTS OF ADVERSITY ON CHRONIC BACK PAIN: IMPLICATIONS FOR FUNCTIONAL IMPAIRMENT AND HEALTH CARE UTILIZATION

Mark D. Seery, Ph.D., Psychology, State University of New York at Buffalo, Buffalo, NY

3:30 - 3:45

BREAK

3:45- 5:00 pm

PLENARY SESSION

Salon F/G/H/I

Measuring Biomarkers of Stress I: Practices, Pitfalls, and Possibilities

Chair: Sarosh Motivala, PhD

Speakers: Peter Gianaros, PhD; Julian Thayer, PhD; and Roland von Känel, PhD

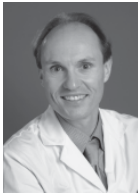
Stress has long been identified and defined by measurement of physiological changes in the body. From central nervous system structures that perceive stressors to the autonomic nervous system and endocrine systems which act to regulate stress responses in other physiological systems, almost every cell and system in the body can be affected by stressor experience. This set of symposium will highlight current practices, methodological challenges, and promising possibilities in measuring the biological imprints of stressor experience. Session I will focus on measurement of aspects of the central and autonomic nervous systems, as well as hemostatic and inflammatory processes. Session II (Friday at 4:00 pm) will focus on endocrine and genetic biomarkers.



Peter Gianaros



Julian Thayer



Roland von Känel

In Session I, Dr. Gianaros will address the role of neuroimaging methods in enabling us to define the brain circuits and neural pathways that link stress processes with biological and behavioral risk factors for disease. His presentation will highlight some of the methodological and conceptual challenges in using neuroimaging methods to study cardiovascular system stress reactivity, a suspected biobehavioral risk factor for atherosclerotic heart disease. Dr. Thayer will address the strengths and pitfalls of psychophysiological assessments in the laboratory and the field. His talk will focus on cardiovascular-autonomic assessment in the laboratory, specifically on comparing stress reactivity with post-stressor recovery assessments and in addition, exploring how these measures relate to ambulatory assessment in the person's natural environment. Dr. von Känel will address the measurement of circulating hemostatic and inflammation biomarkers in stress research. His presentation will address several issues related to the measurement of prothrombotic and proinflammatory states, including appropriate selection of biomarkers (e.g. "usual suspects" versus innovative ones), pre-analytic handling of blood samples, basic technical needs for biomarker assessment, and consideration of confounding variables.

PROMISES AND PITFALLS OF NEUROIMAGING METHODS IN CARDIOVASCULAR STRESS REACTIVITY RESEARCH

Peter Gianaros, PhD

THE FUTURE OF STRESS MEASUREMENT: REACTIVITY, RECOVERY AND REAL LIFE ASSESSMENTS

Julian Thayer, PhD

MEASURING INFLAMMATION AND COAGULATION IN BIOBEHAVIORAL RESEARCH

Roland von Känel, PhD

5:00 - 6:15 pm

POSTER SESSION 1

Salon E and Foyer

29) Abstract 1039

THE IMPACT OF HATHA YOGA ON CORTISOL LEVELS IN PREGNANCY

Svetlana Bershadsky, M.A., Ilona S. Yim, PhD, Huna Yim, BA, Psychology and Social Behavior, University of California, Irvine, Irvine, CA

30) Abstract 1727

ARE OBJECTIVE AND SUBJECTIVE MEASURES OF HEART FAILURE SEVERITY BOTH RELATED WITH SYMPTOMS OF DEPRESSION?

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31) Abstract 1210

THE INFLUENCE OF CHRONIC WORK STRESS ON CHANGES IN LYMPHOCYTE SUBSETS AND LYMPHOCYTE PRODUCTION OF CYTOKINES IN RESPONSE TO ACUTE PSYCHOSOCIAL STRESS

IN A SAMPLE OF HEALTHY WORKING SCHOOL TEACHERS

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32) Abstract 1699

ASSESSMENT OF TRACKING COEFFICIENTS FOR THE DEVELOPMENT OF INTERLEUKIN 6 WITH STRESS AND DEPRESSION AS PREDICTORS

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33) Abstract 1490

COMPOSITE RISK SCORES AND DEPRESSION AS PREDICTORS OF MORTALITY, CLINICAL IMPROVEMENT, AND OTHER WAITING-LIST OUTCOMES: THE WAITING FOR A NEW HEART STUDY

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34) Abstract 1687

TRYPTOPHAN PATHWAY METABOLITES AND CARDIOVASCULAR REACTIVITY TO EMOTIONAL STRESS

Stephen H. Boyle, PhD, Psychiatry, Duke University Medical Center, Durham, North Carolina, Anastasia Georgiades, PhD, Beverly H. Brummett, PhD, Ilene C. Siegler, PhD, Psychiatry, Duke University Medical Center, Durham, NC, Wayne Matson, PhD, Systems Biology, Bedford VA Medical Center, Bedford, Massachusetts, Cynthia Kuhn, PhD, Pharmacology and Cancer Biology, Katharine Grichnik, MD, Mark Stafford-Smith, MD, Anesthesiology, Redford Williams, MD, Rima Kaddurah-Daouk, PhD, Psychiatry, Duke University Medical Center, Durham, NC

35) Abstract 1473

POSTTRAUMATIC STRESS CAUSED BY MYOCARDIAL INFARCTION PREDICTS NON-FATAL CARDIOVASCULAR OUTCOME: A 3-YEAR FOLLOW-UP STUDY

Roland von Känel, MD, Roman Hari, BS, General Internal Medicine, Jean-Paul Schmid, MD, Hugo Saner, MD, Cardiology, University of Bern, Bern, Switzerland, Ulrich Schnyder, MD, Psychiatry, University of Zurich, Zurich, Switzerland, Stefan Bégé, MD, General Internal Medicine, University of Bern, Bern, Switzerland

36) Abstract 1715

SEX-DEPENDENT COVARIATION BETWEEN CEREBRAL BLOOD FLOW TO CORTICOLIMBIC BRAIN AREAS AND SOCIAL INTEGRATION

Ydwine J. Zanstra, PhD, Lei Sheu, PhD, Psychiatry, CH Kuan, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA, Sheldon Cohen, PhD, Psychology, Carnegie Mellon University, Pittsburgh, PA, Peter J. Gianaros, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

37) Abstract 1470

PROBLEM BEHAVIOR OF DEMENTIA PATIENTS PREDICTS PROCOAGULANT ACTIVITY IN CAREGIVERS

Roland von Känel, MD, General Internal Medicine, University of Bern, Bern, Bern, Switzerland, Brent T. Mausbach, PhD, Joel E. Dimsdale, MD, Paul J. Mills, PhD, Thomas L. Patterson, PhD, Sonia Ancoli-Israel, PhD, Psychiatry, Michael G. Ziegler, MD, Medicine, Susan K. Roepke, MS, Psychiatry, Matthew Allison, MD, Family and Preventive Medicine, Igor Grant, MD, Psychiatry, University of California San Diego, La Jolla

38) Abstract 1260

RELATIONSHIP AMONG PSYCHOMETRIC CONSTRUCTS RELATED TO ARTERIAL CARDIOVASCULAR DISEASE RISK IN PATIENTS WITH VENOUS THROMBOEMBOLISM: A FACTORIAL ANALYSIS

Paul S. Lukas, lic. phil., René Krummenacher, M.D., General Internal Medicine, Bern University Hospital, Bern, Bern, Switzerland, Brigitte M. Kudielka, PhD, Jacobs Center on Lifelong Learning, Jacobs University Bremen, Bremen, Bremen, Germany, Stefan Bégé, M.D., Roland von Känel, M.D., General Internal Medicine, Bern University Hospital, Bern, Bern, Switzerland

39) Abstract 1540

HYPERSENSITIVITY IN SOMATIFORM DISORDERS

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40) Abstract 1114

PSYCHOLOGICAL STRESS PREDICTING ADVERSE EVENTS IN CROHN ´S DISEASE

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41) Abstract 1204

QUALITY OF LIFE PREDICTING ADVERSE EVENTS IN CROHN ´S DISEASE

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42) Abstract 1389

HEALTH-RELATED QUALITY OF LIFE IN DIASTOLIC DYSFUNCTION IS AFFECTED BY NT-PROBNP AND MR-PROADM - RESULTS FROM THE COMMUNITY BASED DIAST-CHF STUDY

Frank Edelmann, M.D., Rolf Wachter, M.D., Friederike Polzin, Cardiology, Univesity of Göttingen, Göttingen, Germany, Götz Gelbrich, PhD, Coordination Center for Clinical Trials, Univesity of Leipzig, Leipzig, Germany, Gerd Hasenfuss, Professor, Cardiology, Univesity of Göttingen, Göttingen, Germany, Burkert M. Pieske, Professor, Cardiology, Univesity of Graz, Graz, Austria, Christoph Herrmann-Lingen, Professor, Psychosomatic Medicine, Univesity of Göttingen, Göttingen, Germany

43) Abstract 1232

BASELINE AND RECOVERY PULSE RATE IS LOWER IN INDIVIDUALS WITH A BALANCED OUTLOOK ON LIFE STRESSORS

Annie T. Ginty, BS, School of Sport and Exercise Sciences, University of Birmingham, Edgbaston, Birmingham, United Kingdom, Sarah M. Conklin, PhD, Psychology and Neuroscience, Allegheny College, Meadville, PA

44) Abstract 1358

MARITAL QUALITY AND RISK FACTORS FOR CHD

Julianne Holt-Lunstad, PhD, Patrick R. Steffen, PhD, Paige Pickard, Psychology, Jonathan Sandberg, PhD, Marriage and Family Therapy, Walker Pederson, Psychology, Brigham Young University, Provo, UT

45) Abstract 1558

PSYCHOLOGICAL OUTCOME AFTER ABLATION THERAPY FOR ATRIAL FIBRILLATION

Jane Irvine, D. Phil., Psychology, York University, Toronto, ON, Canada, Brian Baker, M.D., Medicine, Toronto Western Hospital, Toronto, ON, Canada, Lephuong Ong, Ph.D., Department of Psychiatry and Behavioral Sciences, Duke University Medical Centre, Durham, NC, Atul Verma, M.D., Medicine, Annette Nath, BScN, Heart Rhythm Program, Southlake Regional Health Centre, Newmarket, ON, Canada, Ana Bilanovic, B.Sc., Sabine Johnson, M.A., Psychology, York University, Toronto, ON, Canada, Yaariv Khaykin, M.D., Medicine, Southlake Regional Health Centre, Newmarket, ON, Canada

46) Abstract 1113

RACE DIFFERENCES IN THE RELATION OF HOSTILITY AND DEPRESSIVE SYMPTOMS TO PROGRESSION OF CAC IN MIDLIFE WOMEN

Imke Janssen, PhD, Lynda H. Powell, PhD, John Cursio, MS, Preventive Medicine, Rush University Medical Center, Chicago, IL, Karen A. Matthews, PhD, Psychiatry, Kim Sutton-Tyrrell, DrPH, Epidemiology, University of Pittsburgh, Pittsburgh, PA, Susan A. Everson-Rose, PhD, Medicine, University of Minnesota, Minneapolis, MN

47) Abstract 1753

PSYCHOSOCIAL CHARACTERISTICS PREDICT INCREASED LEFT VENTRICULAR MASS

Gaston Kapuku, MD, PhD, Pediatrics-Georgia Prevention Institute and Medicine, Medical College of Georgia, Augusta, Georgia, Okwatayo George, Associate, Pediatrics-Georgia Prevention Institute, Medical College of Georgia, Augusta, GA, Harry Davis, MS, Pediatrics-Georgia Prevention Institute, Medical College of GA, Augusta, GA, Kashala Carter, Associate, Pediatrics-Georgia Prevention Institute, Medical College, Augusta, GA, Gwen Bullock, Associate, Shanita Tolbert, BS, James Halbert, Associate, Sarita Vemulapalli, BS, Sharika Leverett, Associate, Pediatrics-Georgia Prevention Institute, Medical College of GA, Augusta, GA, Gregory Harshfield, PhD, Pediatrics-Georgia Prevention Institute, Medical College of Georgia, Augusta, GA

48) Abstract 1093

CARDIAC SYMPATHETIC ACTIVITY IN MAJOR DEPRESSIVE AND ANXIETY DISORDER: AN IMPORTANT ROLE FOR ANTIDEPRESSANTS

Carmilla M. Licht, MSc, Brenda W. Penninx, PhD, Psychiatry, VU University Medical Center, Amsterdam, NH, The Netherlands, Eco J. de Geus, PhD, Biological Psychology, VU University, Amsterdam, NH, The Netherlands

49) Abstract 1153

CHARACTERISTICS OF EXHAUSTION AND ASSOCIATED MECHANISMS OF IMMUNE-MEDIATED INFLAMMATION AFTER CARDIAC SURGERY

Pamela S. Miller, PhD, Lynn V. Doering, DNSc, Lorraine S. Evangelista, PhD, Joyce Newman Giger, EdD, School of Nursing, University of California, Los Angeles, Los Angeles, California, Teresita Corvera-Tindel, PhD, Research and Development, VA Greater Los Angeles Healthcare System, Los Angeles, California, Otoniel Martinez-Maza, PhD, Microbiology, Immunology, and Molecular Genetics, University of California, Los Angeles, Los Angeles, California

50) Abstract 1021

SPOUSES' CARDIOVASCULAR REACTIVITY TO THEIR PARTNERS' SUFFERING

Joan K. Monin, PhD, Richard Schulz, PhD, University Center for Social and Urban Research, J. R. Jennings, PhD, Lynn M. Martire, PhD, Psychiatry, Jennifer H. Lingler, PhD, RN, FNP, Health and Community Systems, Martin S. Greenberg, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

51) Abstract 1767

NEGATIVE AFFECT FACTORS AND CORONARY ARTERY CALCIFICATION IN RHEUMATOID ARTHRITIS: THE MODERATING ROLE OF DAILY HASSLES

Phillip J. Quartana, Ph.D, Psychiatry and Behavioral Sciences, Jon T. Giles, MD, MPH, Joan M. Bathon, M.D., Rheumatology, Johns Hopkins University School of Medicine, Baltimore, MD

52) Abstract 1201

ANXIETY AND RISK OF INCIDENT CORONARY HEART DISEASE: A META-ANALYSIS OF PROSPECTIVE STUDIES

Annelieke M. Roest, MSc, Elisabeth J. Martens, PhD, Peter de Jonge, PhD, Johan Denollet, PhD, Medical Psychology, Tilburg University, Tilburg, Noord-Brabant, The Netherlands

53) Abstract 1403

THE ASSOCIATION OF BRACHIAL FLOW AND METABOLIC SYNDROME WITH CARDIOVASCULAR RESPONSES TO PHYSICAL STRESS

A. Rossi, MBMC/Exercise Science/Psychology, E. Davies, Kim L. Lavoie, J Gordon, A Arsenaault, R Pelletier, S L. Bacon, MBMC/Exercise Science/Psychology, Montreal Heart Institute/Concordia University/McGill/UQAM, Montreal, Quebec, Canada

54) Abstract 1599

PSYCHOSOCIAL AND BIOLOGICAL CORRELATES OF C-REACTIVE PROTEIN IN HEALTHY WOMEN

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55) Abstract 1459

ANGER, HOSTILITY, AND INFLAMMATION: A POSSIBLE PATH TO CARDIOVASCULAR DISEASE RISK?

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56) Abstract 1135

SOCIODEMOGRAPHIC AND CLINICAL FACTORS MAY EXPLAIN DIFFERENTIAL RESPONSE TO TREATMENT FOR POST-CABG DEPRESSION

Julia L. Skapik, MD, Internal Medicine, University of Pittsburgh Medical Center, Pittsburgh, PA, Bea Herbeck Belnap, DrBioHum, Internal Medicine, Patricia R. Houck, MSH, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Sati Mazumdar, PhD, Biostatistics, Psychiatry, University of Pittsburgh School of Public Health, Pittsburgh, PA, Bruce L. Rollman, MD, Internal Medicine, University of Pittsburgh, Pittsburgh, PA

57) Abstract 1165

AEROBIC TRAINING DOES NOT ATTENUATE HR OR RR INTERVAL VARIABILITY RESPONSE TO CHALLENGE

Richard P. Sloan, Ph.D, Psychiatry, Richard Sloan, New York, NY, Peter A. Shapiro, M.D., Psychiatry, Ronald E. DeMeersman, Ph.D, Rehabilitation Medicine, Emilia Bagiella, Ph.D, Biostatistics, Columbia University Medical Center, New York, NY, Elizabeth N. Brondolo, Ph.D, Psychology, St. John's University, Queens, NY, Paula S. McKinley, Ph.D, Caroline M. McKay, Ph.D, Michael M. Myers, Ph.D, Psychiatry, Columbia University Medical Center, New York, NY

58) Abstract 1756

PSYCHOLOGICAL ATTITUDES AND RISK OF CHD AND MORTALITY ACROSS VARYING LEVELS OF RISK FACTOR BURDEN

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59) Abstract 1437

A LONGITUDINAL ANALYSIS OF DEPRESSION AND ENDOTHELIAL FUNCTION IN A GROUP OF HEALTHY ADOLESCENT WOMEN

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60) Abstract 1642

DEPRESSIVE SYMPTOMS AND B-TYPE NATRIURETIC PEPTIDE IN INDIVIDUALS WITH AND WITHOUT HEART FAILURE

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61) Abstract 1461

INCREASES IN B-TYPE NATRIURETIC PEPTIDE AFTER ACUTE MENTAL STRESS IN HEART FAILURE PATIENTS ARE ASSOCIATED WITH ALCOHOL CONSUMPTION

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62) Abstract 1581

FATALISM AND PHYSIOLOGICAL DYSREGULATION ASSOCIATED WITH CUMULATIVE STRESS IN MEXICAN AMERICAN WOMEN OF VARIED SOCIOECONOMIC BACKGROUNDS

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63) Abstract 1050

EFFICIENT AND COST-EFFECTIVE ESTIMATION OF THE INFLUENCE OF RESPIRATORY VARIABLES ON RESPIRATORY SINUS ARRHYTHMIA

Victoria B. Egizio, M.S., Psychology, Michael Eddy, B.S., Matthew Robinson, B.S., Psychiatry, J R. Jennings, Ph.D., Psychology & Psychiatry, University of Pittsburgh, Pittsburgh, PA

64) Abstract 1532

PATTERNS OF SALIVARY DHEA SECRETION IN HEALTHY FEMALE ADOLESCENTS: RELATIONSHIPS WITH SALIVARY CORTISOL AND DEVELOPMENTAL MARKERS

Andrea Oskis, BSc, Angela Clow, PhD, Lisa Thorn, PhD, Catherine Loveday, PhD, Psychology, Frank Hucklebridge, PhD, Human and Health Sciences, University of Westminster, London, UK

65) Abstract 1638

TRAIT NEGATIVE AFFECT IS ASSOCIATED WITH EARLY ANTIBODY RESPONSE TO HEPATITIS B VACCINATION

Anna L. Marsland, Ph.D., Jackie Fury, BS, Judith E. Carroll, MS, Aric A. Prather, MS, Psychology, University of Pittsburgh, Pittsburgh, PA, Matthew F. Muldoon, MD, Department of Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA, Sheldon Cohen, Psychology, Carnegie Mellon University, Pittsburgh, PA

66) Abstract 1606

POLYMORPHISM OF THE SEROTONIN TRANSPORTER GENE MODULATES RESPONSES OF INFLAMMATORY CYTOKINES IN ACUTE STRESS

Kaori Yamakawa, BA, Psychology, University of Nagoya, Nagoya, Aichi, JAPAN, Masahiro Matsunaga, PhD, Neurology (Psychosomatic Medicine), Fujita Health University, Toyoake, Aichi, JAPAN, Tokiko Isowa, PhD, Nursing, University of Mie, Tsu, Mie, JAPAN, Hideki Ohira, Psychology, Nagoya University, Nagoya, Aichi, JAPAN

67) Abstract 1181

STATE VARIATION IN THE CORTISOL AWAKENING RESPONSE: INTRA-INDIVIDUAL RELATIONSHIPS WITH SLEEP AND PSYCHOSOCIAL VARIABLES

Tobias Stalder, PhD, Psychology, Dresden University of Technology, Dresden, Germany, Phil Evans, PhD, Psychology, Frank Hucklebridge, PhD, Human and Health Sciences, Angela Clow, PhD, Psychology, University of Westminster, London, United Kingdom

68) Abstract 1301

VARIATIONS OF ACCULTURATION AMONG LATINO IMMIGRANTS: A STUDY ON CORTISOL PATTERNS

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69) Abstract 1326

FUNCTIONAL CONNECTIVITY OF THE CINGULATE CORTEX JOINTLY COVARIES WITH AGREEABLENESS AND STRESSOR-EVOKED CARDIOVASCULAR REACTIVITY

John P. Ryan, Ph.D., Lei K. Sheu, Ph.D., Peter J. Gianaros, Ph.D., Psychiatry, University of Pittsburgh, Pittsburgh, PA

70) Abstract 1521

THE RELATION BETWEEN PERCEIVED STRESS AND HEALTH RELATED QUALITY OF LIFE AMONG HEALTHY OLDER ADULTS

Megan M. Hosey, MA, Psychology, University of Maryland, Baltimore County, Baltimore, MD, Leslie I. Katzel, MD, PhD, Gerontology, University of Maryland Medical Center, Baltimore, MD, Shari R. Waldstein, PhD, Psychology, University of Maryland, Baltimore County, Baltimore, MD

71) Abstract 1299

A SAFE HAVEN: RESPONSIVE SOCIAL SUPPORT BUFFERS CORTISOL REACTIVITY AND IMPROVES PSYCHOSOCIAL RESPONSES TO STRESS

Heidi S. Kane, PhD, Psychology, University of California Los Angeles, Los Angeles, CA, Lisa Jaremka, C.Phil., Nancy L. Collins, PhD, Psychology, University of California Santa Barbara, Santa Barbara, CA

72) Abstract 1298

NONLINEAR ASSOCIATIONS BETWEEN TRAJECTORIES OF TOTAL CHOLESTEROL AND COGNITIVE CHANGE OVER TIME: WHAT'S GOOD FOR THE HEART MAY NOT ALWAYS BE GOOD FOR THE BRAIN

Carrington R. Wendell, M.A., Shari R. Waldstein, Ph.D., Psychology, University of Maryland, Baltimore County, Baltimore, MD, Luigi Ferrucci, M.D., Ph.D., Alan B. Zonderman, Ph.D., Intramural Research Program, National Institute on Aging, NIH, Baltimore, MD

73) Abstract 1658

EMOTIONAL APPROACH COPING: ASSOCIATION WITH EXPECTANCIES AND APPRAISALS IN AN ACUTE STRESSOR CONTEXT

Vanessa Juth, B.A., Sally Dickerson, PhD, Sue Lam, M.A., Peggy Mycek Zoccola, M.A., Psychology and Social Behavior, University of California Irvine, Irvine, CA

74) Abstract 1794

WAYS OF COPING ON THE ANXIETY LEVELS AND DIURNAL CORTISOL PATTERNS OF OLDER ADULT CAREGIVERS

Ronald E. Freche, B.A., Guido G. Urizar, Ph.D., Psychology, California State University, Long Beach, Long Beach, CA, Natara Garovoy, Ph.D., Psychology, Cynthia M. Castro, Ph.D., Abby C. King, Ph.D., Medicine, Stanford University, Stanford, CA

75) Abstract 1254

REACTIVITY TO A SOCIAL EVALUATIVE STRESSOR: THE EFFECT OF CAREGIVING FOR A SPOUSE WITH DEMENTIA

Jennifer R. Piazza, Ph.D., Human Development and Family Studies, Pennsylvania State University, University Park, PA, Peggy M. Zoccola, M.A., James Mackay, M.A., Susan T. Charles, Ph.D., Sally S. Dickerson, Ph.D., Psychology and Social Behavior, University of California, Irvine, Irvine, CA

76) Abstract 1635

CAFFEINE DURING PREGNANCY IS ASSOCIATED WITH INFANT STRESS AND IRRITABILITY AND WORSENS EFFECTS OF PRENATAL TOBACCO

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77) Abstract 1284

DEVELOPMENT AND PRELIMINARY RESULTS OF A POSTPARTUM STRESSORS MEASURE

Elyse Park, PhD, Psychiatry, Harvard Medical School, Boston, MA, Christina Psaros, PhD, Psychiatry, Amy Stagg, MD, Obstetrics and Gynecology, Marissa Alert, BA, Kailah Hayden-Karp, Benson-Henry Institute for Mind Body Medicine, Massachusetts General Hospital, Boston, MA, Gregory Fricchione, MD, Psychiatry, Herbert Benson, MD, Harvard Medical School, Boston, MA

78) Abstract 1491

CAN WE DIAGNOSE SOMATOFORM DISORDERS USING ALL BODILY SYMPTOMS RATHER THAN "MEDICALLY UNEXPLAINED" SYMPTOMS?

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79) Abstract 1577

PERSONALITY PREDICTORS THAT DISCRIMINATE MASKED HYPERTENSION FROM "TRUE" HYPERTENSION

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80) Abstract 1579

PERCEIVED DISCRIMINATION, OPTIMISM AND CYNICISM IN SICKLE CELL PATIENTS: I. EFFECTS ON CARDIOVASCULAR REACTIVITY TO ANGER RECALL

Frederick B. Bartholomew, BA, Micheal V. Stanton, BA, Redford B. Williams, MD, Behavioral Psychiatry, Duke University, Durham, North Carolina

81) Abstract 1503

LIFECOURSE SOCIOECONOMIC STATUS, THREAT PERCEPTIONS, AND ADOLESCENT PHYSIOLOGICAL RESPONSES TO FAMILY CONFLICT

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82) Abstract 1333

SELF-EFFICACY ASSOCIATED WITH LOWER RESTING BLOOD PRESSURE IN SPOUSAL ALZHEIMER'S CAREGIVERS

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83) Abstract 1303

MASKED AND WHITE COAT HYPERTENSION: EFFECTS OF RACE AND PHYSICAL ACTIVITY

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84) Abstract 1683

SLEEP DEPRIVATION INCREASES BLOOD PRESSURE IN PERSONS WITH A FAMILY HISTORY OF HYPERTENSION

James A. McCubbin, PhD, Crystal M. Burnette, Hannah Peach, Psychology, Allyssa J. Allen, Counselor Education, Skye Gillispie, June J. Pilcher, PhD, Psychology, Clemson University, Clemson, SC

85) Abstract 1787

RACIAL/ETHNIC DISPARITIES IN CARDIOVASCULAR HOSPITALIZATIONS: HISPANICS HAVE LOWER INCIDENCE BUT LONGER STAYS

John M. Ruiz, Ph.D., Psychology, University of North Texas, Denton, Texas, Noel O. Santini, MD, Adult Medicine, Parkland Health & Hospital System, Dallas, Texas, Courtney C. Prather, BA, Lauren M. Smith, MA, Sean Lewis, BA, Erin E. Kauffman, BA, Psychology, University of North Texas, Denton, TX

86) Abstract 1757

SOCIAL ISOLATION MEDIATES CHANGES IN POST-STROKE DEPRESSION FOLLOWING PARTICIPATION IN A 20-WEEK SUPPORT GROUP

KaMala S. Thomas, PhD, Psychology, Pitzer College, Claremont, CA, David Wellisch, PhD, Psychiatry, UCLA, Los Angeles, California, Reams Freeman, MS, Stroke Recovery, Stroke Association of Southern California, Santa Monica, California

87) Abstract 1305

THE TRAJECTORY OF AUTONOMIC AROUSAL DURING AN EMOTIONAL EXPRESSION INTERVENTION FOR CAREGIVERS

Shelby L. Langer, PhD, School of Social Work, University of Washington, Seattle, WA, Tom H. Kelly, PhD, Behavioral Science, University of Kentucky, Lexington, KY, Barry Storer, PhD, Clinical Statistics, Karen L. Syrjala, PhD, Biobehavioral Sciences, Fred Hutchinson Cancer Research Center, Seattle, WA

88) Abstract 1111

SLEEP DISTURBANCE IN OVARIAN CANCER PATIENTS ONE YEAR POST-DIAGNOSIS

Lauren Clevenger, BA, Psychology, Obstetrics and Gynecology, Gina Krueger, BS, Psychology, Koen DeGeest, MD, Obstetrics and Gynecology, University of Iowa, Iowa City, IA, Frank Penedo, PhD, Psychology, University of Miami, Coral Gables, FL, Thomas Buekers, MD, David Bender, MD, Michael Goodheart, MD, Obstetrics and Gynecology, University of Iowa, Iowa City, IA, Joseph Lucci III, MD, Obstetrics and Gynecology, UM Sylvester, Miami, FL, Luis Mendez, MD, Obstetrics and Gynecology, Florida International University College of Medicine, Coral Gables, FL, David Lubaroff, PhD, Urology, University of Iowa, Iowa City, IA, Anil Sood, MD, Gynecologic Oncology, MD Anderson, Houston, TX, Susan Lutgendorf, PhD, Psychology, Obstetrics and Gynecology, Urology, University of Iowa, Iowa City, IA

89) Abstract 1070

REDUCING DISTRESS DURING CANCER GENETIC RISK ASSESSMENT: A CLASH OF PARADIGMS

Paul D. Bennett, PhD, Nursing and Midwifery, University of Cardiff, Cardiff, UK, Ceri Phelps, PhD, Psychology, Swansea Metropolitan University, Swansea, UK

90) Abstract 1588

THE DIFFERENTIAL IMPACT OF A MINDFULNESS-BASED STRESS REDUCTION PROGRAM ON SYMPTOMS OF STRESS AND MOOD IN PATIENTS WITH IRRITABLE BOWEL SYNDROME AND CANCER
Kristin A. Zernicke, BA, Psychology, University of Calgary, Calgary, Alberta, Canada, Joshua Lounsberry, BA, Psychosocial Resources, Linette Lawlor-Savage, BA, Linda E. Carlson, PhD, Psychosocial Resources - Holy Cross Site, Tom Baker Cancer Centre, Calgary, Alberta, Canada

91) Abstract 1548

DISTRESS, MOOD, AND QUALITY OF LIFE CHARACTERISTICS IN AFRICAN-AMERICAN BREAST CANCER SURVIVORS
Lauren M. Hurwitz, High School Diploma, Public Health Studies, Johns Hopkins University, Baltimore, Maryland, Paige G. McDonald, PhD, MPH, Basic and Biobehavioral Research Branch, National Cancer Institute, Bethesda, Maryland, Pamela Carter-Nolan, PhD, MPH, Department of Community and Family Medicine, Howard University College of Medicine, Washington, D.C.

92) Abstract 1489

RESTING CARDIAC VAGAL CONTROL AND QUALITY OF PARTNER RELATIONSHIP IN WOMEN NEWLY DIAGNOSED WITH BREAST CANCER
Anna Povzner, BA, John J.B. Allen, PhD, Róisín O'Donnell, BS, Amanda E. Brody, MA, Psychology, Karen L. Weihs, MD, Psychiatry and Family Medicine, University of Arizona, Tucson, AZ

93) Abstract 1647

LIFE STRESS AND DIURNAL CORTISOL PRODUCTION IN WOMEN UNDERGOING SURGERY FOR ENDOMETRIAL TUMORS
Deidre B. Pereira, PhD, Clinical and Health Psychology, University of Florida, Gainesville, FL, Sally E. Jensen, PhD, Kellogg Cancer Care Center, NorthShore University HealthSystem, Evanston, IL, Stacy M. Dodd, MS, Timothy S. Sannes, MS, Stephanie Garey, BS, Seema Patidar, BS, Clinical and Health Psychology, Linda S. Morgan, MD, OB-GYN, University of Florida, Gainesville, FL

94) Abstract 1740

EMOTIONAL FACTORS DIFFERENTIALLY AFFECT ADHERENCE TO SHORT AND LONG TERM MAMMOGRAPHY SCREENING
Heiddis B. Valdimarsdottir, PhD, Department of Health and Education, Reykjavik University, Reykjavik, Iceland, Dana Bovbjerg, PhD, Biobehavioral Medicine Program, University of Pittsburgh Cancer Institute, Pittsburgh, PA, Unnur Valdimarsdottir, PhD, Public Health Sciences, Gudrun Arnadottir, MA, Department of Psychology, Friðrik Jónsson, PhD, Department of Psychology, Sjöfn Agustsdottir, MA, Department of Psychology, University of Iceland, Reykjavik, Iceland

95) Abstract 1369

PERCEPTIONS OF CONTROL AND SOCIAL SUPPORT ON HIV-RELATED SELF-EFFICACY
Eliot J. Lopez, MS, Mark Vosvick, PhD, Psychology, University of North Texas, Denton, TX

96) Abstract 1691

A RANDOMIZED, CONTROLLED TRIAL OF MINDFULNESS BASED STRESS REDUCTION (MBSR) IN HIV
Frederick M. Hecht, MD, Patricia J. Moran, PhD, Judith Moskowitz, PhD, Michael Acree, PhD, Medicine, Kevin Barrows, MD, Family and Community Medicine, Elissa Epel, PhD, Margaret Kemeny, PhD, Psychiatry, Steven Deeks, MD, Medicine, Peter Bacchetti, PhD, Epidemiology and Biostatistics, Susan Folkman, PhD, Medicine, University of California, San Francisco, San Francisco, CA

97) Abstract 1605

CARDIOVASCULAR RESPONSE TO EXPERIMENTAL PAIN DURING A MASSAGE INTERVENTION
Cynthia W. Karlson, M.A., Nancy A. Hamilton, Ph.D., Sarah D. Pressman, Ph.D., Rebecca L. Clausius, B.S., Catrina C. Lootens, B.A., Psychology, University of Kansas, Lawrence, KS

98) Abstract 1671

SEX DIFFERENCES IN THE RELATIONS OF POSITIVE AND NEGATIVE DAILY EVENTS AND FATIGUE IN ADULTS WITH RHEUMATOID ARTHRITIS
Mary C. Davis, PhD, Morris A. Okun, PhD, Denise Kruszewski, MA, Alex J. Zautra, PhD, Psychology, Arizona State University, Tempe, AZ

99) Abstract 1685

PAIN, MOOD, AND SELF-EFFICACY AS CORRELATES OF C-REACTIVE PROTEIN IN PATIENTS WITH RHEUMATOID ARTHRITIS
Jennifer N. Carty, B.A., Elyse Sklar, B.S., Psychology, Wayne State University, Detroit, Michigan, Angelia Mosley-Williams, MD, Internal Medicine, John D. Dingell VA Medical Center, Detroit, Michi-

gan, Francis J. Keefe, PhD, Psychiatry, Duke University Medical Center, Durham, North Carolina, Mark A. Lumley, PhD, Psychology, Wayne State University, Detroit, Michigan

100) Abstract 1454

PREDICTORS OF PHYSICAL QUALITY OF LIFE IN OLDER ADULTS: ROLE OF INFLAMMATION AND SLEEP

Shamini Jain, Ph.D., Cancer Prevention and Control Research, Richard Olmstead, Ph.D., Semel Institute for Neuroscience, Michael R. Irwin, m.d., Cousins Center for Psychoneuroimmunology, UCLA, Los Angeles, CA

101) Abstract 1219

BLOOD PRESSURE PREDICTS LATER SYMPTOMS OF POST-TRAUMATIC STRESS AMONG PATIENTS UNDERGOING ORTHOPEDIC SURGERY

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

102) Abstract 1678

PATIENTS WITH TYPE II DIABETES IMPROVE GLYCEMIC CONTROL AND PSYCHOSOCIAL FUNCTIONING THROUGH INTEGRATIVE HEALTH COACHING

Mark H. Dreusicke, BS, Integrative Medicine, Duke University School of Medicine, Durham, NC, Elizabeth Skinner, PharmD, GlaxoSmithKline, Research Triangle Park, NC, Jessica Wakefield, MA, Linda Duda, MSW, Tracey V. Hawkins, BA, Shin-Yiing Yeung, BA, Janna Fikkan, Integrative Medicine, Duke University, Durham, NC, Christopher Cook, PhD, Peggy Flowers, MSPH, GlaxoSmithKline, Research Triangle Park, NC, Ruth Q. Wolever, PhD, Integrative Medicine, Duke University, Durham, NC

103) Abstract 1527

EMOTIONAL DISTRESS AND COGNITIVE COPING MECHANISMS OF PATIENTS WITH LIVER STEATOSIS

Dan L. Dumitrascu, MD, 2nd Internal Medicine, University of Medicine and Pharmacy Iuliu Hatieganu, Cluj, Romania, Raluca Cojan, Mr, Psychology, University babes Bolyay, Cluj, Romania, Adriana Baban, PhD, Psychology, University babes Bolyai, Cluj, Romania

104) Abstract 1536

SOCIAL SUPPORT IS ASSOCIATED WITH GREATER VAGAL TONE IN ULCERATIVE COLITIS

Robert G. Maunder, MD, Jonathan J. Hunter, MD, Psychiatry, Hillary Steinhart, MD, Gordon Greenberg, MD, Medicine, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada, Robert P. Nolan, PhD, Behavioural Sciences and Health, Toronto General Research Institute, Toronto, Ontario, Canada

105) Abstract 1651

BIOPSYCHOSOCIAL COMORBIDITIES OF CELIAC DISEASE

Danielle Arigo, M.S., Joshua M. Smyth, Ph.D., Psychology, Syracuse University, Syracuse, NY, Alicia Anskis, B.A., Digestive Diseases, NI Diabetes & Digestive/Kidney Diseases, Syracuse, NY

106) Abstract 1071

THE INFLUENCE OF PSYCHOLOGICAL STRESS ON UPPER RESPIRATORY INFECTION. A META-ANALYSIS OF PROSPECTIVE STUDIES

Robert Zachariae, MDScI, Oncology, Aarhus University Hospital, Aarhus, Denmark, Anette F. Pedersen, PhD, General Medicine, University of Aarhus, Aarhus, Denmark, Dana H. Bovbjerg, PhD, Behavioral Medicine, University of Pittsburgh Cancer Institute, Pittsburgh, PA

107) Abstract 1465

DUPLICATE SALIVA SAMPLES DURING PSYCHOSOCIAL STRESS TESTING: FEASIBILITY AND STABILITY OF CORTISOL ASSESSMENTS

Ana F. Trueba, B.S., Erica S. Ayala, M.A., Antje Kullowatz, Ph.D., Psychology, Southern Methodist University, DALLAS, TEXAS, Charles D. Vance, PhD., Richard J. Auchus, MD, PhD., Biomedical Sciences, UT Southwestern Medical Center at Dallas, DALLAS, TEXAS, Thomas Ritz, Ph.D., Erica S. Ayala, M. A., PSYCHOLOGY, Southern Methodist University, DALLAS, TEXAS

108) Abstract 1775

EFFECTS OF ACUTE PSYCHOSOCIAL STRESS ON VENTILATION IN HEALTH AND ASTHMA

Erica S. Ayala, M.A., Ana F. Trueba, B.S., Antje Kullowatz, Ph.D., Thomas Ritz, Ph.D., Psychology, Southern Methodist University, Dallas, TX

109) Abstract 1538

EARLY ADVERSE EXPERIENCES AND SUBSEQUENT HEALTH AND ADJUSTMENT: THE TRANSITION TO COLLEGE

Kelly B. Filipkowski, M.S., Joshua M. Smyth, Ph.D., Psychology, Syracuse University, Syracuse, NY

110) Abstract 1145

A CONCEPTUAL OVERVIEW OF THE RELAXATION RESPONSE RESILIENCY MODEL

Gregory L. Fricchione, MD, Elyse R. Park, PhD, MPH, John W. Denninger, MD, PhD, Jonathan A. Lerner, PhD, Sarah E. Rastegar, BA, Herbert Benson, MD, Benson-Henry Institute for Mind Body Medicine, Mass. General Hospital, Harvard Medical School, Boston, MA

111) Abstract 1717

CORTICOSTEROID MODULATION OF ORAL MUCOSAL WOUND HEALING

Christopher G. Engeland, PhD, Phillip T. Marucha, PhD, DMD, Periodontics, University of Illinois at Chicago, Chicago, IL

112) Abstract 1207

SHIFT WORK, CORTISOL AND HEALTH AMONG OFFSHORE WORKERS

Anette Harris, MSc, Psychology, Siri Waage, MSc, Public Health and Primary Health Care, Ursin Holger, MD, PhD, Unifob health, University of Bergen, Bergen, Norway, Åse M. Hansen, PhD, Institute of Public Health, National Research Centre for the Working Environment, Copenhagen Ø, Denmark, Bjørn Bjorvatn, MD, PhD, Section for General Practice, Hege R. Eriksen, PhD, Psychology, University of Bergen, Bergen, Norway

113) Abstract 1723

MARITAL SATISFACTION, BUT NOT MARITAL STATUS, BUFFERS THE NEGATIVE EFFECTS OF ACCULTURATIVE STRESS IN MEXICAN IMMIGRANTS

Patrick R. Steffen, PhD, Jill Walker, BS, James Van Dyke, BS, Chris Anderson, Clinical psychology, Brigham Young University, Provo, UT

114) Abstract 1485

DOES FEEDING FOLLOW FIGHT OR FLIGHT? STRESS-INDUCED EATING IN THE NATURAL ENVIRONMENT

Kristin E. Heron, M.S., Joshua M. Smyth, Ph.D., Psychology, Syracuse University, Syracuse, New York

115) Abstract 1597

DEPRESSION, VITALITY, AND CORTISOL IN OLDER ADULT CAREGIVERS AND NON-CAREGIVERS

Karissa G. Miller, B.A., Guido G. Urizar, PhD, Psychology, California State University, Long Beach, Long Beach, CA

116) Abstract 1251

SELF-REPORTED SLEEP AND DIURNAL CORTISOL IN A HEALTHY MIDDLE-AGED SAMPLE

Crista N. Crittenden, MPH, Sheldon Cohen, PhD, Psychology, Carnegie Mellon University, Pittsburgh, Pennsylvania, Anna L. Marsland, PhD, Psychology, University of Pittsburgh, Pittsburgh, Pennsylvania

117) Abstract 1363

REGIONAL DIFFERENCES IN AWARENESS AND ATTITUDES TOWARDS GENETIC TESTING FOR DISEASE AND ANCESTRY

Charles R. Jonassaint, PhD, Institute for Genome Science & Policy, Charmaine D. Royal, PhD, African & African American Studies, Duke University, Durham, NC

118) Abstract 1241

EFFECTS OF ABBREVIATED PROGRESSIVE MUSCLE RELAXATION ON RESILIENCE IN A HIGH STRESS COLLEGE SAMPLE

Christyn L. Dolbier, PhD, Taylor E. Rush, MA, Psychology, East Carolina University, Greenville, North Carolina

119) Abstract 1448

RESILIENCE FROM SOCIETY TO CELLS: A THEORETICAL PSYCHOSOMATIC MODEL OF HEALTH DISPARITIES

Sarah L. Szanton, PhD, Johns Hopkins University, Nursing, Baltimore, MD, Jessica M. Gill, PhD, National Institutes of Health, National Institute of Nursing Research, Bethesda, MD

120) Abstract 1591

DAILY PHYSICAL HEALTH SYMPTOMS AND CORTISOL IN THE NATIONAL STUDY OF DAILY EXPERIENCES

Heather A. King, M.S., Robert S. Stawski, Ph.D., David M. Almeida, Ph.D., Human Development and Family Studies, The Pennsylvania State University, University Park, Pennsylvania

121) Abstract 1376

PATHWAYS LINKING INFLAMMATION WITH CHRONIC STRESS

Michael Murphy, B.S., Gregory E. Miller, Ph.D., Psychology, University of British Columbia, Vancouver, British Columbia, Canada

122) Abstract 1384

THE INFLUENCE OF PHYSICAL TOUCH ON CARDIOVASCULAR FUNCTIONING

Rebecca L. Clausius, B.S., Cynthia Karlson, M.A., Catrina C. Lootens, B.S., Stacy M. Carter, Sarah D. Pressman, Ph.D., Psychology, University of Kansas, Lawrence, KS

123) Abstract 1315

IMPACT OF ANTIHYPERTENSIVE DRUGS AND BLOOD PRESSURE ON DIURNAL SYMPATHETIC ACTIVITY

Jana Strahler, MSc, Clemens Kirschbaum, PhD, Psychology, Technische Universitaet Dresden, Dresden, Germany

124) Abstract 1644

DO SOCIAL IDENTITY AND RECEIVED SOCIAL SUPPORT FROM OUTGROUP OR INGROUP MODERATE THE RELATIONS BETWEEN DISCRIMINATION AND DEPRESSIVE SYMPTOMS?

Andrena Pierre, MSc, Kimberly Matheson, PhD, Psychology, Hymie Anisman, PhD, Institute of Neuroscience, Carleton University, Ottawa, Canada

125) Abstract 1562

SUBJECTIVE SOCIAL STATUS, PSYCHOSOCIAL RISK, AND SELF-RATED HEALTH

Jenny M. Cundiff, MA, Psychology, University of Utah, Salt Lake City, UT, Timothy W. Smith, PhD, Bert N. Uchino, PhD, Cynthia A. Berg, PhD, Psychology, University of Utah, Salt Lake City, Utah

126) Abstract 1681

ANXIETY AND ANGER IN DAILY LIFE: CONTRIBUTIONS OF THE PERSON AND SITUATION IN MOMENTARY ASSESSMENTS OF ELICITED STATES

Jonathan A. Shaffer, Ph.D., Donald E. Edmondson, Ph.D., Center for Behavioral Cardiovascular Health, Columbia University Medical Center, New York, New York, William Chaplin, Ph.D., Psychology, St. John's University, Jamaica, New York, Joseph E. Schwartz, Ph.D., Center for Behavioral Cardiovascular Health, Columbia University Medical Center, New York, New York, Arthur Stone, Ph.D., Department of Psychiatry and Behavioral Science, Stony Brook University Medical Center, Stony Brook, New York

127) Abstract 1275

SUBCORTICAL VASCULAR DISEASE CORRELATES WITH DEPRESSIVE SYMPTOMS AMONG PATIENTS WITH CARDIOVASCULAR DISEASE

Jeanne M. McCaffery, PhD, Psychiatry and Human Behavior, The Miriam Hospital and Brown Medical School, Providence, RI, David F. Tate, PhD, Radiology, Boston University Medical School, Alzheimer's Disease, Boston, MA, Ronald A. Cohen, PhD, Psychiatry and Human Behavior, The Miriam Hospital and Brown Medical School, Providence, RI

128) Abstract 1582

IMPACT OF MOOD DISTURBANCE ON FLOW MEDIATED DILATION

Denise C. Cooper, Ph.D., Milos S. Milic, M.D., Ph.D., Joseph R. Tafur, M.D., Paul J. Mills, Ph.D., Wayne A. Bardwell, Ph.D., Michael G. Ziegler, M.D., Joel E. Dimsdale, M.D., Psychiatry and Behavioral Medicine, University of California San Diego, La Jolla, CA

129) Abstract 1360

THE PROSPECTIVE RELATION BETWEEN POSTPARTUM DEPRESSION AND INFANT HEALTH IN LOW-INCOME AND ETHNIC MINORITY WOMEN

Jenna L. Gress, M.A., Allison Lake, B.A., Psychology, Arizona State University, Tempe, AZ, Rose Howe, MSW, Maricopa County Department of Public Health, Phoenix, AZ, Kathryn Lemery-Chalfant, PhD, Linda J. Luecken, PhD, Psychology, Arizona State University, Tempe, AZ

130) Abstract 1211

PSYCHOSOCIAL AND CLINICAL PREDICTORS OF DEPRESSION IN A SAMPLE OF PORTUGUESE PATIENTS WITH HEART FAILURE

Maria Margarida Bento, MD, Internal Medicine, Hospital São Francisco de Xavier, Lisboa, Portugal, Ricardo Gusmao, PhD, Psychiatry and Mental Health, Faculdade de Ciências Médicas, Lisboa, Portugal, Candica Fonseca, PhD, Internal Medicine, Hospital São Francisco Xavier, Lisboa, Portugal, Antonio Mendes Pedro, Psychology, ISPA e Universidade Autónoma, Lisboa, Portugal

131) Abstract 1030

DELIRIUM FOLLOWING CARDIAC SURGERY

Adam Lau, MD, Psychiatric Research, Zucker Hillside Hospital, Glen Oaks, NY, Joseph S. Weiner, MD, PhD, Consultation Liaison Psychiatry, North Shore University Hospital/Manhasset, Manhasset, NY, Christopher Burke, MD, Head of Division, Consultation Psychiatry, Long Island Jewish Medical Center, New Hyde Park, NY, Syed A. Shamsi, MD, Anil K. Malhotra, MD, Psychiatric Research, Zucker Hillside Hospital, Glen Oaks, NY

132) Abstract 1177

THE WORK-HEALTH-CHECK (WHC): A NEW COMPREHENSIVE TOOL TO ASSESS STRESS-RELATED PSYCHOSOCIAL WORK CONDITIONS

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133) Abstract 1377

BODY MASS INDEX IS ASSOCIATED WITH SEVERITY OF DEPRESSIVE SYMPTOMS AND ANXIETY SENSITIVITY IN ADULT ASTHMATICS

Maxine Boudreau, BA, Simon L. Bacon, PhD, Karine Ouellet, BA, Kim L. Lavoie, PhD, MBMC/Psychology/Exercise Science, Hopital du Sacre-Coeur de Montreal/UQAM/Concordia, Montreal, Quebec, Canada

134) Abstract 1397

HOW STRESS HORMONE LEVELS CAN CHANGE AN ACQUIRED MEMORY TRACE: IMPLICATIONS FOR THE FIELD OF MENTAL HEALTH

Marie-France Marin, M.Sc., Neurological Sciences, Sonia J. Lupien, Ph.D., Psychiatry, Fernand-Seguin Research Center, Universite Montreal, Montreal, Quebec, CANADA

135) Abstract 1704

WORK STRESS, DEPRESSION AND POST-TRAUMATIC STRESS SYMPTOMS IN MEDICAL EXAMINERS AND CORONERS

Elizabeth Brondolo, PhD, Psychology, St. John's University, Jamaica, New York, Douglas L. Delahanty, PhD, Psychology, Kent State University, Kent, Ohio, Robin L. Wellington, PhD, Psychology, St. John's University, Jamaica, New York

136) Abstract 1350

NEUROFEEDBACK FOR INSOMNIA

Barbara U. Hammer, Ph.D., William L. Gregory, Ph.D., Kimberly A. Brown, MSOM, Helfgott Research Institute, National College of Natural Medicine, Portland, OR, Elena C. Ilioi, Psychology Honours, McGill University, Montreal, Quebec, Canada, Agatha P. Colbert, MD, Helfgott Research Institute, National College of Natural Medicine, Portland, OR

137) Abstract 1349

DIFFERENCES IN VETERANS WITH AND WITH POST-TRAUMATIC STRESS DISORDER DURING RELAXING AND STRESSFUL CONDITIONS

Helene' Wahbeh, ND, MCR, Barry Oken, MD, Neurology, Oregon Health & Science University, Portland, Oregon, Mary Lu, MD, Psychiatry, Portland VA Medical Center, Portland, Oregon

138) Abstract 1253

SELF-REFERENTIAL PROCESSING AND THE PREFRONTAL CORTEX OVER THE COURSE OF DEPRESSION: A PILOT STUDY

Cédric Lemogne, MD, C-L Psychiatry, European Georges Pompidou Hospital, Paris, FRANCE, Helen S. Mayberg, MD, PhD, Psychiatry, Emory University School of Medicine, Atlanta, GA, Loretxu Bergouignan, PhD, CNRS USR 3246, Emmanuelle Volle, MD, PhD, CR-ICM, INSERM UMR-S 975, Pauline Delaveau, PhD, CNRS UMR 3246, Stéphane Lehericy, MD, PhD, Center for NeuroImaging Research, Jean-François Allilaire, MD, Philippe Fossati, MD, PhD, Psychiatry, Pitié-Salpêtrière Hospital, Paris, France

139) Abstract 1462

THE POLYMORPHIC REGION OF THE 5-HTT GENE MODERATES THE ASSOCIATION BETWEEN OVERCOMMITMENT (OC) AND DEPRESSION

Petra H. Wirtz, Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Zurich, Switzerland, Johannes Siegrist, PhD, Department of Medical Sociology, University of Dusseldorf, Dusseldorf, Germany, Wolfgang Maier, MD, Department of Psychiatry, University of Bonn, Bonn, Germany, Sibylle Schwab, PhD, Western Australian Institute of Medical Research, University of Western Australia, Perth, Perth, Australia, Astrid W. Zobel, MD, Department of Psychiatry, University of Bonn, Bonn, Germany

140) Abstract 1390

A BIOLOGICAL MECHANISM FOR HEALTH DISPARITIES: SES EFFECTS ON CHILDREN'S STRESS REACTIVITY

Nicole R. Bush, PhD, Center for Health and Community - School of Medicine, Nancy Adler, PhD, Psychiatry, University of California, San Francisco, San Francisco, CA, W. Thomas Boyce, MD, Human Early Learning Partnership (HELP), University of British Columbia, Vancouver, BC, Canada

141) Abstract 1799

POSTTRAUMATIC STRESS DISORDER IS ASSOCIATED WITH DECREASED MODULATION OF HEART RATE VARIABILITY BY RESPIRATION

Nicholas D. Giardino, PhD, Department of Psychiatry, University of Michigan, Ann Arbor, MI

142) Abstract 1534

SEASONAL DIFFERENCE IN THE DIURNAL PATTERN OF CORTISOL SECRETION IN HEALTHY PARTICIPANTS AND THOSE WITH SEASONAL AFFECTIVE DISORDER

Lisa Thorn, PhD, Phil Evans, PhD, Cannon Anne, BSc, Andrea Oskis, BSc, Psychology, Hucklebridge Frank, PhD, Human and Health Sciences, Angela Clow, PhD, Psychology, University of Westminster, London, UK

143) Abstract 1621

CHILDHOOD TRAUMA AND INFLAMMATION: ROLE OF FAMILIAL FACTORS IN A STUDY OF TWINS

Viola Vaccarino, MD, PhD, Medicine, Emory School of Medicine, Atlanta, GA, Jack Goldberg, PhD, Epidemiology, University of Washington, Seattle, WA, Emir Veledar, PhD, Medicine, James D. Bremner, MD, Psychiatry, Emory School of Medicine, Atlanta, GA

144) Abstract 1285

TESTING THE PERSEVERATIVE COGNITION HYPOTHESIS: THE ROLE OF WORRY IN THE OCCURRENCE AND TREATMENT OF SOMATIC SYMPTOMS

Bart Verkuil, PhD, Jos F. Brosschot, PhD, Esther Meerman, MSc, Department of Clinical Psychology, Leiden University, Leiden, the Netherlands, Kees Korrelboom, PhD, Research Department, PsyQ, Psycho Medical Programs, The Hague, the Netherlands, Julian F. Thayer, PhD, Department of Psychology, The Ohio State University, Columbus, Ohio

145) Abstract 1771

COMPARING THE EFFECTS OF MINDFULNESS MEDITATION AND RELAXATION TRAINING ON SLEEP QUALITY, PERCEIVED STRESS, AND SELF-REPORTED HEALTH

Sherlyn S. Jimenez, Ph.D., Behavioral Sciences Division, National Center for PTSD at VA Boston, Boston, MA

146) Abstract 1469

MEASURING ALLOSTATIC LOAD CAN DETECT VULNERABILITY TO BURNOUT: A PILOT STUDY

Robert-Paul Juster, B.A., Neuroscience, McGill University, Montreal, Quebec, Canada, Andrea Perna, B.Sc., Neuroscience, Carleton University, Ottawa, Ontario, Canada, Alireza Hashemi, B.Sc., Shireen Sindi, M.Sc., Neuroscience, McGill University, Montreal, Quebec, Canada, Marie-France Marin, M.Sc., Neuroscience, University of Montreal, Montreal, Quebec, Canada, Jens C. Pruessner, Ph.D., Douglas Mental Health University Institute, McGill University, Montreal, Quebec, Canada, Sonia J. Lupien, Ph.D., Fernand-Seguin Research Centre, University of Montreal, Montreal, Quebec, Canada

147) Abstract 1267

CHARACTERISTICS OF PERSONS WITH FUNCTIONAL SYNDROMES WITHIN A SAMPLE WITH PSYCHOPATHOLOGY

Sophie A. Vreeburg, MD, Psychiatry, Henriëtte E. van der Horst, MD, PhD, General Practice, Brenda W. Penninx, PhD, Psychiatry, VU University Medical Center, Amsterdam, the Netherlands

148) Abstract 1148

DEMOGRAPHIC AND MEDICAL FACTORS ASSOCIATED WITH DISTINCT SYMPTOM CLUSTERS OF LYME DISEASE

Cheryl Koopman, PhD, Tyson H. Holmes, PhD, Department of Psychiatry and Behavioral Sciences, Stanford University, Stanford, CA, Raphael Stricker, MD, Department of Psychiatry and Behavioral Sciences, Stanford University, San Francisco, CA, Daniel Cameron, MD, Department of Psychiatry and Behavioral Sciences, Stanford University, Mt. Kisco, NY, Christine Green, MD, Department of Psychiatry and Behavioral Sciences, Stanford University, Los Altos, CA, Yvonne Lin, PA-C, Lila Castillo, MA, Alexandra Aylward, BA, Jill Whisnant, MA, Casey Brodhead, BA, Department of Psychiatry and Behavioral Sciences, Stanford University, Stanford, CA

149) Abstract 1443

TITERS OF CIRCULATING ANTIBODIES TO THE HEAT SHOCK PROTEIN 60 (ANTI-HSP60) INCREASE IN RESPONSE TO SURGERY AFTER BONE TRAUMA, INDEPENDENT OF PSYCHOSOCIAL STRESS OR GENDER

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150) Abstract 1616

VULNERABILITY TO STRESS IN MEDICAL STUDENTS IS ASSOCIATED WITH MOOD SYMPTOMS AND PERSONALITY TRAITS

Adomas Bunevicius, MD, Institute of Psychophysiology and Rehabilitation, Kaunas University of Medicine, Palanga, Lithuania, Arune Katkute, MD, Kaunas University of Medicine, Kaunas, Lithuania

151) Abstract 1609

POSITIVE LIFE EXPERIENCES PREDICTS BETTER MUCOSAL IMMUNITY ONLY AT TIMES OF LOW STRESS DURING THE FIRST YEAR OF UNIVERSITY

Andrew J. Wawrzyniak, PhD, Department of Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, Maryland, Martha C. Pollard Whiteman, PhD, Psychology, University of Edinburgh, Edinburgh, UK

152) Abstract 1453

MINDFULNESS MEDITATION TRAINING FOR FIBROMYALGIA: A PRELIMINARY STUDY INVESTIGATING ATTENTION-RELATED BIAS ON A DOT-PROBE TASK

David R. Vago, PhD, Psychiatry, Harvard Medical School, Boston, MA, Yoshio Nakamura, PhD, Anesthesiology, University of Utah Medical School, Salt Lake City, UT

153) Abstract 1636

STRESS ASSESSMENT IN MEDICAL/SURGICAL DEPARTMENTS NURSES AND PHYSICIANS

Stefano Tabolli, MD, Health Services Research, Cristina di Pietro, statistician, Health Services Research Unit, IDI IRCCS Rome Italy, Rome, Italy, Claudia Uras, Registered Nurse, Health Services Research, IDI IRCCS Rome Italy, Rome, Italy

154) Abstract 1768

EVIDENCE FOR SPECIFIC REGIONS OF HIPPOCAMPAL DAMAGE AND CORTISOL ELEVATION IN MULTIPLE SCLEROSIS PATIENTS WITH DEPRESSIVE SYMPTOMS

Mary-Frances O'Connor, PhD, Cousins Center for Psychoneuroimmunology, Stefan M. Gold, PhD, Nancy L. Sciotte, MD, Neurology, UCLA, Los Angeles, CA

155) Abstract 1576

ADHD SYMPTOMS AND SMOKING EXPECTANCIES IN CHILDREN AND ADOLESCENTS

Ida M. Foster, B.A Honours (candidate), Simon Racicot, M.A., Jennifer J. McGrath, Ph.D., M.P.H., Pediatric Public Health Psychology PPHP Laboratory, Concordia University, Montreal, Quebec, Canada

156) Abstract 1044

IMPACT OF THE I AM FIT PROJECT ON BLOOD PRESSURE IN ADOLESCENTS

Vernon A. Barnes, PhD, Pediatrics, Roman M. Cibirka, DDS, Dentistry, Norman Pollock, PhD, Pediatrics, Douglas R. Bentley, MPH, Denise D. Kornegay, MSW, Family Medicine, Medical College of Georgia, Augusta, GA, Carl D. Hammond-Beyer, MS, Deborah Walker, EdS, AR Johnson Health Sciences High School, Augusta, GA

157) Abstract 1628

ENDOCRINE AND AUTONOMIC ACTIVITY UNDER BASAL AND STIMULATED CONDITIONS IN CHRONIC FATIGUE SYNDROME

Urs M. Nater, PhD, James F. Jones, MD, William C. Reeves, MD, Centers for Disease Control and Prevention, Atlanta, GA

158) Abstract 1556

FAMILY DYSFUNCTION MEASURED USING THE GENOGRAM AND DERMATOLOGICAL CONDITIONS: A REPORT ON 106 PATIENTS

Francesca Sampogna, Health Services Research Unit, Istituto Dermopatico dell'Immacolata IDI-IRCCS, Rome, Italy, Françoise Poot, Hôpital Erasme, Bruxelles, Belgium

159) Abstract 1240

INTELLIGENCE AS A RISK FACTOR FOR FUNCTIONAL SOMATIC DISORDERS

Eva Kingma, BSc, Psychiatry, Judith Rosmalen, PhD, Psychiatry, Internal Medicine, University of Groningen, Groningen, the Netherlands

160) Abstract 1078

ASSOCIATIONS OF DEPRESSIVE SYMPTOMS AND TRAIT HOSTILITY WITH C-REACTIVE PROTEIN AND INTERLEUKIN-6 RESPONSE FOLLOWING STRESS RECALL: MODERATION BY GENDER

Beverly H. Brummett, PhD, Stephen H. Boyle, PhD, Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, N.C., Ilene C. Siegler, PhD, Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, N.C., Redford B. Williams, MD, Psychiatry, Duke University Medical Center, Durham, N.C.

161) Abstract 1592

STRESS IMPACTS MATERNAL AND FETAL IRON BIOLOGY DURING PREGNANCY: AN UNAPPRECIATED MEDIATOR OF POSTNATAL ANEMIA IN INFANTS

Christopher L. Coe, PhD, Harlow Center for Biological Psychology, University of Wisconsin, Madison, WI, Pamela J. Kling, MD, Pediatrics, School of Medicine and Public Health, Madison, WI

162) Abstract 1433

THE EFFECTS OF CPAP ON QUALITY OF LIFE IN SLEEP APNEIC PATIENTS: A 3-WEEK RANDOMIZED TRIAL

Paul R. Puri, M.D., Joel E. Dimsdale, M.D., Psychiatry, University of California, San Diego, San Diego, CA

163) Abstract 1020

LOWER SUBJECTIVE SOCIOECONOMIC POSITION IS ASSOCIATED WITH POORER SLEEP IN ADULTS

Denise C. Jarrin, MA, Jennifer J. McGrath, Ph.D., M.P.H., Pediatric Public Health Psychology PPHP Laboratory, Concordia University, Montréal, Québec, Canada

164) Abstract 1714

BODY MASS INDEX, DEPRESSION AND THEIR ASSOCIATION WITH PHYSIOLOGICAL STRESS MARKERS AMONG OLDER ADULTS

Nina A. Smallwood, B.A., Guido G. Urizar Jr., Ph.D., Psychology, California State University, Long Beach, California, Natara Garovoy, Ph.D., Cynthia Castro, Ph.D., Abby C. King, Ph.D., Medicine, Stanford University, Stanford, California

6:30 - 7:30 pm

MENTOR/MENTEE RECEPTION

Mt. Hood Room

Mentor and mentee participants who have registered for this program are invited to network at this reception.

7:30 pm

PAST LEADERS DINNER

by invitation only

All past leaders of the Society are invited to this dinner at AQUARIVA ITALIAN KITCHEN + WINE BAR, located at the Avalon Hotel & Spa, 470 S.W. Hamilton Court in Portland. Please visit the APS Registration Desk to RSVP if you haven't already done so.

8:00 pm

STUDENT DINNER

Students and trainees are invited to join with their colleagues to enjoy an informal evening at Paddy's Bar & Grill, 65 Southwest Yamhill Street in Portland. Please visit the APS Registration Desk for more information and directions.

Friday, March 12, 2010

7:00 am - 5:30 pm **REGISTRATION** *Ballroom Foyer*
A light continental breakfast will be served from 7:30 to 8:30 am.

7:00 - 8:00 am **ROUNDTABLE BREAKFASTS/ COMMITTEE MEETING** *Medford Room*

Successful Transition to Post-Graduate Academic Employment: Recommendations from Senior-Level Experts
Facilitators: Sarah Pressman, PhD and Carrington Rice Wendell, MA
Panelists: Mustafa al'Absi, PhD; Susan K. Lutgendorf, PhD and Karen A. Matthews, PhD
Senior-level panelists will offer advice regarding early career decisions and the academic job search process. Panelists will provide their perspectives as past search committee members, application reviewers, and mentors of junior colleagues.

R-volution Statistics *Salem Room*
Facilitator: Michael A. Babyak, PhD
R is an open source statistical and graphics software package that is available to the public at large at no cost. The software includes a large variety of statistical and graphical routines ranging from familiar statistical analyses to highly esoteric algorithms for genetics and multivariate modeling. In this roundtable, I will introduce R, including a brief history of the R project and how to obtain the software and install it. I also will demonstrate some of the statistical and graphical capabilities that are particularly useful for scientific research in psychosomatic medicine

Membership/PMIG Committee Meeting *Columbia Room*
Chairs: Karen Weihs, MD; Jeanne McCaffery, PhD and Leo Pozuelo, MD

8:00 - 8:55 am **PRESIDENTIAL ADDRESS** *Salon F/G/H/I*



Shari R. Waldstein

Cardiovascular Disease and Neurocognitive Function: Hypertension is Just the Beginning
Chair: Matthew F. Muldoon, MD, MPH
Speaker: Shari R. Waldstein, PhD
Prior to stroke, the brain is an under-recognized target organ of cardiovascular risk factors and cardiovascular diseases. Examined here is the likely continuum of pre-stroke neurocognitive impairment and silent cerebrovascular disease that begins with risk factors such as hypertension.

9:00 - 9:55 am **PLENARY SESSION** *Salon F/G/H/I*



Stephen Manuck

Perspectives on Gene-Environment Interaction for Psychosomatic Medicine
Chair: Matt Muldoon, MD, MPH
Speaker: Stephen B. Manuck, PhD
Emerging research suggests that genetic factors affecting the health and behavior of individuals can vary greatly as a function of different environmental exposures. Conceptual issues informing the study of gene-environment interactions in psychosomatic medicine will be discussed in the context of research on early life adversities, impulse control and pubertal timing, and a general framework will be presented for understanding genotype-dependent susceptibility to environmental influences.

10:00 - 10:15 am **BREAK**

10:15 am - 11:30 pm **CONCURRENT SESSIONS**

Symposium 1157: Emotion Regulation and Chronic Pain *Salon F*
Chair: Mark A. Lumley, PhD

Individual Abstract Number: 1280
ANGER SUPPRESSION, PHYSIOLOGICAL REACTIVITY AND PAIN BEHAVIOR AMONG CLBP PATIENTS: TESTS OF MEDIATION AND MODERATION MODELS
John W. Burns, PhD, Behavioral Sciences, Rush University Medical Center, Chicago, IL, Phillip J.

Quartana, PhD, Psychiatry & Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD

Individual Abstract Number: 1502

FIBROMYALGIA PATIENTS AND ALEXITHYMIA: PHYSIOLOGICAL RESPONSES TO INTERPERSONAL EMPATHY DURING A MEDICAL INTERVIEW

Arnstein Finset, PhD, Tonje L. Stensrud, MSc, Behavioral Sciences in Medicine, University of Oslo, Oslo, Oslo, Norway, Sigrid H. Wigors, MD/PhD, Dept. Medicine, Jeoya Rehabilitation Center, Moss, Ostfold, Norway

Individual Abstract Number: 1286

PHYSIOLOGICAL RESPONSIVENESS TO INDUCED ANGER AND SADNESS AND ITS ASSOCIATION WITH PAIN IN WOMEN WITH AND WITHOUT FIBROMYALGIA

Henriët van Middendorp, PhD, Clinical and Health Psychology, Utrecht University, Utrecht, Utrecht, The Netherlands, Mark A. Lumley, PhD, Psychology, Wayne State University, Detroit, Michigan, Johannes W. Jacobs, PhD, Johannes W. Bijlsma, PhD, Rheumatology & Clinical Immunology, University Medical Center Utrecht, Utrecht, Utrecht, The Netherlands, Rinie Geenen, PhD, Clinical and Health Psychology & Rheumatology and CI, Utrecht University & University Medical Center Utrecht, Utrecht, Utrecht, The Netherlands

Individual Abstract Number: 1468

EMOTIONAL COMPLEXITY AS A RESILIENCE RESOURCE AMONG CHRONIC PAIN PATIENTS

Alex Zautra, Ph.D., Mary Davis, Ph.D., Psychology, Arizona State University, Tempe, Arizona, Patrick Finan, M.S., Denise Kruszewski, M.S., Psychology, Arizona State University, Tempe, AZ, Anna Kratz, M.S., Psychology, Arizona State University, Tempe, Arizona, Perry Nicassio, Ph.D., Cousins Center for Psychoneuroimmunology, UCLA Neuropsychiatric Institute, Los Angeles, CA

Individual Abstract Number: 1272

EMOTIONS MATTER: SUSTAINED REDUCTIONS IN FIBROMYALGIA PAIN AFTER A BRIEF PSYCHOLOGICAL INTERVENTION

Howard Schubiner, MD, Internal Medicine, Providence Hospital / Wayne State University, Southfield, Michigan, Michael Hsu, MD, Physical Medicine and Rehabilitation, Kaiser-Northwest Permanente, Clackamas, Oregon, Mark A. Lumley, Ph.D., Psychology, Wayne State University, Detroit, Michigan, David A. Williams, Ph.D., Anesthesiology and Internal Medicine, Daniel J. Clauw, M.D., Internal Medicine, University of Michigan, Ann Arbor, Michigan

Symposium 1225: Experiences of Discrimination and Cardiovascular Risk Factors: Exploring Complexities in the Association between Discrimination and Health

Salon B/C

Chair: David R. Williams, PhD

Individual Abstract Number: 1656

DISCRIMINATION, SOCIAL CONTEXT, AND OBESITY AMONG BLACK ADULTS

Gary G. Bennett, Ph.D., Psychology & Neuroscience & Duke Global Health Insti, Melissa G. Scharoun-Lee, Ph.D., Duke Global Health Institute, Duke University, Durham, NC, Kathleen Wolin, Ph.D., Siteman Cancer Center, Washington University School of Medicine, St. Louis, MO, Sherman A. James, Ph.D., Sanford School of Public Policy, Duke University, Durham, NC, David R. Williams, PhD, Society, Human Development, and Health, Harvard School of Public Health, Boston, MA

Individual Abstract Number: 1661

DISCRIMINATION IN MEDICAL CARE AND ELEVATED BLOOD PRESSURE

Natalie B. Slopen, M.A., Society, Human Development, and Health, Harvard School of Public Health, Boston, MA, Tene T. Lewis, PhD, Division of Chronic Disease Epidemiology, Social and, Yale School of Public Health, New Haven, CT, Michelle A. Albert, MD, Preventive Medicine, Brigham and Women's Hospital, Boston, MA, Carol D. Ryff, PhD, Psychology, University of Wisconsin, Madison, Madison, WI, David R. Williams, PhD, Society, Human Development, and Health, Harvard School of Public Health, Boston, MA

Individual Abstract Number: 1784

PERCEIVED BURDEN OF DISCRIMINATION OVER THE LIFECOURSE AND C-REACTIVE PROTEIN IN MIDDLE-AGED AFRICAN-AMERICAN AND WHITE ADULTS

Tene T. Lewis, PhD, Epidemiology & Public Health, Yale University School of Medicine, New Haven, CT, Natalie B. Slopen, MA, David R. Williams, PhD, Society, Human Development and Health, Harvard School of Public Health, Boston, MA, Carol Ryff, PhD, Psychology, University of Wisconsin, Madison, Madison, Wisconsin, Mahasin S. Mujahid, PhD, Epidemiology, UC Berkeley School of Public Health, Berkeley, CA

Symposium 1164: Recent Approaches to Perseverative Negative Cognitions and their Health-related Consequences

Chairs: Jos F. Brosschot, PhD and Julian Thayer, PhD

Individual Abstract Number: 1168

THE "AUTONOMIC PHENOTYPE" OF RUMINATION: INSIGHTS FROM CARDIAC AUTONOMIC BALANCE AND CARDIAC AUTONOMIC REGULATION

Cristina Ottaviani, PhD, Psychology, University of Bologna, Bologna, (BO), Italy, David Shapiro, PhD, Psychiatry, University of California, Los Angeles, California, Leah Z. FitzGerald, PhD, Nursing, UCLA, Los Angeles, CA

Individual Abstract Number: 1340

NEGATIVE EMOTIONAL PROCESSING WITHOUT AWARENESS INCREASES BLOOD PRESSURE

Jos F. Brosschot, PhD, Wopke Houben, MSc, Psychology, Leiden University, Leiden, Zuid-Holland, The Netherlands

Individual Abstract Number: 1593

CARDIOVASCULAR CATCH-22: PERSEVERATION IMPACTS THE PIPES AND THE PUMP IN AFRICAN AMERICANS

LaBarron K. Hill, M.A., John J. Sollers, III, PhD, Psychology, The Ohio State University, Columbus, OH, Julian F. Thayer, PhD, Psychology, The Ohio State University, Columbus, O

Individual Abstract Number: 1697

STINKING THINKING: DYNAMIC PERSEVERATIVE COGNITION AS A COMMON PATHWAY LINKING STRESS AND HEALTH

Joshua M. Smyth, PhD, Psychology, Syracuse University, Syracuse, NY, Martin J. Sliwinski, PhD, HDFS, Pennsylvania State University, State College, PA

Paper Session 8 - Cancer

Chair: Deidre Pereira, PhD

Abstract 1545

CHRONIC RESTRAINT STRESS AND SOCIAL DISRUPTION RESULT IN EARLIER DEVELOPMENT OF SPONTANEOUS TUMORS IN A TRANSGENIC MOUSE MODEL OF HER2+ BREAST CANCER

Dana H. Bovbjerg, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Jill D. Henning, PhD, Biology, University of Pittsburgh at Johnstown, Johnstown, PA, Dmitriy W. Gutkin, MD, PhD, Pathology, Chia-Chien Hsieh, PhD, Psychiatry, Kenneth S. McCarty, MD, PhD, Internal Medicine Oncology, Douglas M. Potter, PhD, Biostatistics, Frank J. Jenkins, PhD, Pathology, University of Pittsburgh, Pittsburgh, PA

Abstract 1730

INFLAMMATORY PROCESSES AND DEPRESSIVE-LIKE BEHAVIOR IN A SYNGENEIC MODEL OF OVARIAN CANCER: A PRELIMINARY REPORT

Donald M. Lamkin, M.A., Psychology, Susan K. Lutgendorf, Ph.D., Psychology, Holden Comprehensive Cancer Center, University of Iowa, Iowa City, Iowa, Anil K. Sood, M.D., Gynecologic Oncology, Cancer Biology, University of Texas M.D. Anderson Cancer Center, Houston, Texas, Alan Kim Johnson, Ph.D., Psychology, Pharmacology, University of Iowa, Iowa City, Iowa

Abstract 1764

HIGHER HEART-RATE VARIABILITY PREDICTS LONGER METASTATIC BREAST CANCER SURVIVAL

Janine Giese-Davis, Ph.D., Oncology, University of Calgary, Calgary, Alberta, Canada, Eric Neri, B.A., Helena C. Kraemer, Ph.D., David Spiegel, M.D., Psychiatry, Stanford University, Stanford, CA

Abstract 1500

CIRCADIAN BIOLOGY AND CANCER PROGRESSION

Sandra E. Sephton, Ph.D., Psychological & Brain Sciences, University of Louisville, Louisville, KY

11:30 am - 12:45 pm

ROUNDTABLE LUNCHESES/COMMITTEE MEETINGS (or lunch on your own)

Stress and Health: The Integrative Contributions of Psychophysiology and Psychosomatic Medicine

Facilitators: Mustafa al'Absi, PhD; David A. Sbarra, PhD; Kristin Salomon, PhD; and Julian Thayer, PhD

Fostering greater links between the American Psychosomatic Society (APS) and the Society for Psychophysiological Research (SPR), this roundtable discussion will focus on the integration of psychophysiological methods in psychosomatic medicine research. Themes of the APS discussion will cover the integration of central (e.g., EEG and imaging) and peripheral (e.g., cardiovascular and endocrine) measures related to stress and emotion regulation. Approaches to using these measures in clinical context and as indicators of treatment effects will be highlighted. The facilitators work at the interface of classic psychophysiology and contemporary psychosomatic medicine, and the roundtable discussion will highlight commonalities and differences between the disciplines, as well as novel and emerging routes for creating more integrative science.



Jurgen Unutzer
Donald Oken Fellow

Lab to Market 2010

Salmon Room

Chair: Steven Locke, MD

Co-facilitators: Wayne Katon, MD; Jurgen Unutzer, MD; and Steven Cole, MD

Discussant: Kurt Kroenke, MD

Efforts underway to reform US healthcare are creating 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 ominous impact on morbidity, mortality, health costs, and lost productivity. The emergence of new models of care (such as collaborative care, shared decision-making, and mental health parity), and new technologies (such as telehealth, the medical home, and Health 2.0) are some of the building blocks for change. Clinical research in psychosomatic medicine will lead to the development of successful population health management interventions only if they can be shown to be *clinically effective, cost-effective, and capable of dissemination and implementation*. One strategy, discussed during last year's *Lab to Market Roundtable*, was the idea that commercialization is required to achieve meaningful penetration into the healthcare market. In this year's roundtable, we will examine other models for dissemination and implementation. Three leaders in clinical innovation will discuss successful programs in which evidence-based behavioral treatments were 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 the development of similar programs.

Effects of DSM V Proposals on Psychosomatic Medicine

Douglas Fir/Meadowlark Room

Facilitators: Lawson Wulsin, MD and Joel Dimsdale, MD

For psychosomatic medicine clinicians relevant sections of DSM V will likely look substantially different from DSM IV. This roundtable presents progress reports on two aspects of the proposed revisions for DSM V from the chair of the General Medical Interface Study Group (Dr Wulsin) and from the Somatic Symptom Disorders Work Group (Dr Dimsdale). Participants will contribute to current debates and may propose new revisions for consideration by the DSM V Task Force.

1:00 - 2:15 pm



Andrew Steptoe



Mustafa al'Absi

CONCURRENT SESSIONS

Invited Symposium: Stress Reactivity and Recovery

Salon F

Chair: Kristen Salomon, PhD

Speakers: Andrew Steptoe, PhD; Mustafa al'Absi, PhD; Douglas Carroll, PhD & Anna Phillips, PhD

STRESS RECOVERY IN RELATION TO SOCIAL, PSYCHOLOGICAL AND BIOLOGICAL RISK FACTORS FOR CARDIOVASCULAR DISEASE

Andrew Steptoe, PhD

Rate of recovery following termination of stress is emerging as an important parameter linking stress with health risk. This presentation focuses on associations between cardiovascular recovery and factors related to cardiovascular disease risk, including low socioeconomic status, positive affect and abdominal adiposity.

PROLONGED COST OF STRESS: NEUROBIOLOGICAL AND PERIPHERAL MECHANISMS

Mustafa al'Absi, PhD

We will present a model incorporating neurobiological and peripheral mechanisms to explain dysregulation of the stress response (i.e., blunted response and attenuated recovery). Examples of studies focusing on nicotine dependence, chronic stress, and risk for cardiovascular diseases will be presented.



Douglas Carroll

THE HEALTH AND BEHAVIOURAL COROLLARIES OF BLUNTED PHYSIOLOGICAL REACTIONS TO ACUTE PSYCHOLOGICAL STRESS: REVISING THE REACTIVITY HYPOTHESIS

Douglas Carroll, PhD & Anna Phillips, PhD

In our understandable enthusiasm to characterise the circumstances and motivational antecedents

of exaggerated physiological reactions to acute psychological stress and their consequences for health, we have largely neglected the other end of the continuum: low reactivity. The rarely articulated but implicit assumption is that low physiological reactivity is the more adaptive response, with little or no negative consequences for health or behaviour, i.e., low reactivity is benign or even protective. The aim of this presentation is to challenge this presumption and to suggest that low or blunted reactivity may be anything but an adaptive response and, indeed, may be a factor in poor health and motivational dysregulation.

Symposium 1231: Stress and Functional Somatic Syndromes

Salon B/C

Chair: Francis Creed, MD

Individual Abstract Number: 1273

POPULATION-BASED STUDY OF STRESS IN THREE FUNCTIONAL SOMATIC SYNDROMES

Francis Creed, MD, Psychiatry Research Group, Carolyn Chew-Graham, MD, Primary Care Research Group, University of Manchester, Manchester, UK, UK, Gary Macfarlane, Dept of Public Health, University of Aberdeen, Foresterhill, Aberdeen, UK, Scotland, Barbara Tomenson, MSc, Psychiatry Research Group, Ian Davies, MSc, ARC Epidemiology Unit, Judy Jackson, MSc, Psychiatry Research Group, Alison Littlewood, MSc, John McBeth, PhD, ARC Epidemiology Unit, University of Manchester, Manchester, UK, UK

Individual Abstract Number: 1307

GENETIC VARIATION IN STRESS PATHWAY GENES IS ASSOCIATED WITH MULTIPLE SOMATIC SYMPTOMS

John McBeth, PhD, Kate L. Holliday, PhD, Barbara I. Nicholl, PhD, Wendy Thomson, PhD, ARC Epidemiology Unit, University of Manchester, Manchester, UK, UK

Individual Abstract Number: 1234

META-ANALYSIS AND META-REGRESSION OF HYPOTHALAMIC-PITUITARY-ADRENAL AXIS ACTIVITY IN FUNCTIONAL SOMATIC DISORDERS

Judith G. Rosmalen, PhD, Psychiatry, Internal Medicine, Lineke M. Tak, MD, MSc, Hans J. Ormel, PhD, Psychiatry, University Medical Center Groningen, Groningen, The Netherlands, The Netherlands, Simon Wessely, Psychological Medicine, King's College, London, UK, UK, Iris Kok, Psychiatry, University Medical Center Groningen, Groningen, The Netherlands, The Netherlands, Anthony Cleare, Psychological Medicine, Andiappan Manoharan, Biostatistics and Computing, King's College, London, UK, UK

Individual Abstract Number: 1277

ABNORMAL BRAIN ACTIVITY AS A PUTATIVE MEDIATING MECHANISM BETWEEN ADVERSE LIFE EVENTS AND SYMPTOM REPORTING IN FUNCTIONAL DYSPEPSIA

Lukas Van Oudenhove, PhD, Jan Tack, PhD, Pathophysiology, University of Leuven, Leuven, Vlaams-Brabant, Belgium

Symposium 1346: Sweating the Small Stuff?: Emotion, Stress, and Health in Everyday Life

Chair: Matthew L. Newman, PhD

Individual Abstract Number: 1351

AUTONOMIC CARDIAC CONTROL AND RELATIONSHIPS TO NEGATIVE AFFECT, NEUROENDOCRINE, AND INFLAMMATORY RESPONSES TO ACUTE STRESS

Kathi L. Heffner, PhD, Rochester Center for Mind-Body Research, Psychiatry, University of Rochester, Rochester, NY

Individual Abstract Number: 1347

WHAT CAN TRAUMA TEACH US ABOUT STRESS AND EMOTION?

Nicole A. Roberts, PhD, Social and Behavioral Sciences, Arizona State University, Glendale, AZ

Individual Abstract Number: 1348

THE EMOTIONAL IMPACT OF BEING BULLIED

Matthew L. Newman, PhD, Social and Behavioral Sciences, Arizona State University, Glendale, AZ

Paper Session 9 - Stress and Reproductive Function

Salon A

Chair: Clayton Hilmert, PhD

Abstract 1311

DEPRESSION, ANXIETY, AND REPRODUCTIVE AGING AMONG PRE-MENOPAUSAL WOMEN

Maria E. Bleil, PhD, Nancy E. Adler, PhD, Psychiatry, University of California San Francisco, San Francisco, CA, Barbara Sternfeld, PhD, Division of Research, Kaiser Permanente Northern California, Oakland, CA, Renee A. Reijo-Pera, PhD, Obstetrics and Gynecology, Stanford University, Stanford, CA, Marcelle I. Cedars, MD, Obstetrics, Gynecology, and Reproductive Sciences, University of California San Francisco, San Francisco, CA

Abstract 1488

DOES ACUTE PSYCHOLOGICAL DISTRESS AFTER DIAGNOSIS OF A FETAL MALFORMATION AFFECT BLOOD FLOW VELOCITY INDICES IN THE UMBILICAL ARTERY?

Anne Helbig, MD, Anne Kaasen, MSc, Obstetrics & Gynecology, Ulrik F. Malt, MD/PhD, Neuropsychiatry & Psychosomatic Medicine, Guttorm Haugen, MD/PhD, Obstetrics & Gynecology, Oslo University Hospital, Rikshospitalet, Oslo, Norway

Abstract 1394

DOES ACUTE PSYCHOLOGICAL DISTRESS AFTER DIAGNOSIS OF A FETAL MALFORMATION AFFECT BLOOD FLOW VELOCITY INDICES IN THE UTERINE ARTERIES?

Anne Helbig, MD, Anne Kaasen, MSc, Obstetrics & Gynecology, Ulrik F. Malt, MD/PhD, Neuropsychiatry & Psychosomatic Medicine, Guttorm Haugen, MD/PhD, Obstetrics & Gynecology, Oslo University Hospital, Rikshospitalet, Oslo, Norway

Abstract 1559

CHILDHOOD SEXUAL ABUSE IN PREGNANT MOTHERS: LINKS TO CIRCADIAN CORTISOL AND NEONATAL DEVELOPMENT

Margaret D. Hanson, MA, Psychology, University of British Columbia, Vancouver, BC, Canada, Laura Stroud, PhD, Bio Med Psychiatry & Human Behavior, Brown Medical School, Providence, RI

Abstract 1018

MATERNAL PRENATAL STRESS:SETTING THE STAGE FOR NEWBORN IRON DEFICIENCY

Beth A. Fischer, Ph.D., Institutional Research, Zane State College, Zanesville, OH, Pamela J. Kling, MD, Pediatrics, Christopher L. Coe, Ph.D., Psychology, University of Wisconsin, Madison, Madison, WI

2:15 - 2:30 pm

BREAK

2:30 - 3:45 pm

CONCURRENT SESSIONS

Invited Symposium: Psychosocial Stress as an Environmental Exposure: New Field Assessment Approaches and their Implications for Studies of Health and Disease

Salon F

Sponsored by the National Cancer Institute and the National Institute on Drug Abuse, in Bethesda, MD and the National Institute of Environmental Health Sciences in Research Triangle Park, NC

Chair: Paige McDonald, PhD

Speakers: Mustafa al'Absi, PhD; Audie Atienza, PhD; Paige Green McDonald, PhD; Thomas Kamarck, PhD; Santosh Kumar, PhD; William Lovallo, PhD; Mark Rea, PhD; Vivek Shetty, DDS, Dr. Med Dent. and Louise Wideroff, PhD

The objective of the NIH Genes, Environment and Health Initiative Exposure Biology Program (GEI EBP) is to accurately identify, quantify, and verify personal exposure to environmental factors associated with a range of diseases. The lack of specificity and sensitivity of historical and contemporary assessment approaches have limited the consideration of psychosocial stress as a potentially causative environmental exposure. Retrospective self-reports of stressful events and perceptions of corresponding psychological responses in prior measurement approaches are prone to biases and other types of errors. Extant methods have failed to adequately capture dynamic aspects of the environmental exposure, the individual biological response and corresponding health impact, or the temporal relation between exposure and biological response.

New technologies that assess exposure events, psychological processes, and biological responses in the natural environment promise to significantly improve our ability to detect and quantify personal exposure to psychosocial stress and elucidate the contribution of this exposure to health and disease. The GEI EBP Network on Exposure to Psychosocial Stress and Addictive Substances (NEPSAS)

supports the development of field-deployable tools to measure acute/chronic/cumulative exposures to psychosocial stress in natural environments with a high degree of accuracy, temporal/spatial resolution, and sensitivity to detect meaningful variations along the stress exposure and response continuum.

This invited symposium will feature scientific and methodological advances from four projects funded through GEI EBP NEPSAS. Thomas Kamarck, Professor of Psychology and Psychiatry at the University of Pittsburgh, will discuss the efforts of his group to design new self report ecological momentary assessment technologies for measuring exposure to daily psychosocial stress. Vivek Shetty, Professor of Oral and Maxillofacial Surgery at the UCLA School of Dentistry will present the developmental validation of a point-of-care biosensor for salivary alpha-amylase (sAA) - a putative biomarker of sympathetic nervous system activity. Mark Rea, Professor of Cognitive Science at the Rensselaer Polytechnic Institute will report on the development of a personal, self-contained circadian light and activity measurement device to help consolidate sleep in young adults and reduce exposure to psychosocial stress. Mustafa al'Absi, Professor of Psychology and Max & Mary LaDue Pickworth Chair at the University of Minnesota Medical School will present on advances made to develop wearable sensors to measure stress-related psychophysiological variables and to use non-invasive, real-time, and continuous biochemical assessment of human interstitial fluid to measure drug exposure. The symposium will conclude with an integrative discussion by William Lovallo, Director of the Behavioral Sciences Laboratories at the VA Medical Center and Professor of Psychiatry and Behavioral Sciences at the University of Oklahoma Health Sciences Center. Dr. Lovallo will highlight the implications and opportunities of these emerging field assessment strategies for research on stress and health.

DEVELOPING EMA-BASED SELF-REPORT ASSESSMENTS OF PSYCHOSOCIAL STRESS

Thomas W. Kamarck, Daniel Siewiorek, Asim Smaligic, Saul Shiffman, Clem Stone, Brian French, Emily Heineman, Lucy Lubinski, Lauren von Dehsen, Jeremy Wolf, Barbara Anderson, and Teresa Steigerwalt

Existing measures of psychosocial stress fail to capture the temporal dimension of stress exposure in a manner that allows us to quantify risk. Ecological momentary assessment (EMA) addresses these concerns, permitting us to capture representative time samples of stress experience. As part of an RFA with the NIH Exposure Biology Program, we set out to design new tools—new technologies and measurement procedures— that will enhance EMA assessments of psychosocial stress for studies of health risk. With respect to technologies, we have designed the MAVIS (Mobile Auditory/Visual Interview System), a modified smart phone that is small, simple, wearable, and multimodal. We compared the MAVIS to a standard PDA among 26 employed individuals, in a protocol involving 16 interviews over a 12-hour period, showing superior compliance with the MAVIS compared to the PDA ($t = 3.19$, $p = .004$ for MAVIS-visual). Revisions of the MAVIS were made in response to participant feedback; results of a second pilot study currently underway with a similar design will be presented. With respect to measurement, we are designing a series of computer adaptive scales, using item response theory (IRT) models, to be administered in an EMA format. An item pool was developed based upon existing instruments, and was revised with input from expert raters and community volunteers. Items are being presented to a large ($n = 400$) representative sample, by cell phone, over a 2-day period. Preliminary factor analyses suggest that this item pool yields coherent factors relevant to psychosocial stress, including negative and positive affect, social interaction quality, and the perceived characteristics of daily activities. IRT analyses will be presented on the final sample. Our ultimate goal is to produce a field deployable instrument using state-of-the-art technical and psychometric methods, advancing our ability to quantify daily psychosocial stress exposure.

BIOSENSORS FOR MEASURING PUTATIVE SALIVARY STRESS RESPONSE BIOMARKERS

Vivek Shetty, Ted Robles, Corwin Zigler, David Elashoff, and Masaki Yamaguchi

Objective: To develop, refine and validate biosensing platforms capable of point-of-care (POC) measurement of stress response indicators manifesting in saliva. Methods: Our salivary biosensor prototype utilizes a miniaturized optical platform and inexpensive, colorimetric test strips to rapidly detect and quantify salivary alpha-amylase (sAA), a putative bioindicator of the body's adrenergic stress response. A miniature thermosensor and normalizing equations inputted into the biosensor adjust for variations in ambient temperature as well as salivary pH. The technical performance characteristics (precision, accuracy, reliability) of the biosensor were verified in a cohort of 20 healthy, male students. Calibration was performed by comparing biosensor sAA levels to the values provided by a laboratory-based Olympus AU 400 clinical analyzer. Measurement stability was verified by repeating the measurements in 5 subjects after an interval of 6 weeks. Results: The biosensor sAA values corresponded very closely to the clinical analyzer readings ($r = .989$). A best-fit linear regression of the mean biosensor values manifested a slope = 1.09 and a $R^2 = .98$. Random Effects Linear Modeling and Interclass Correlation Coefficient (ICC) determination revealed that 3% of the global measurement variability could be attributable to differences between the sAA biosensors. The drift in average measurements over the 6 week period ranged between -5.7% and +3.1%. Conclusions: The precision, accuracy and measurement stability of the sAA biosensor closely corresponds to elaborate, laboratory based analyzers. The POC measurement of sAA opens up avenues for measuring stress indicators with a temporal and spatial resolution unavailable until now.

MEASUREMENTS AND METHODOLOGIES FOR QUANTIFYING CIRCADIAN ENTRAINMENT/DISRUPTION AS IT AFFECTS PSYCHOSOCIAL STRESS

Mark S. Rea and Mariana G. Figueiro

A regular, 24-hour pattern of retinal light-dark exposures entrains humans to local time on earth. Disruption of that diurnal light-dark pattern affects a wide range of physiological systems and can lead to a number of serious maladies including diabetes and cancer. One possible, but heretofore ignored, consequence of circadian disruption is its potential effect on psychosocial stress. Little work has been done to actually measure and interpret the effects of light-dark exposures actually experienced by people in their own environments on circadian entrainment, so the effects of circadian disruption on a wide range of maladies, including psychosocial stress, are not well understood. This presentation will first discuss a new method for quantifying circadian entrainment/disruption using the Daysimeter, a personal light-dark exposure measurement device, in populations with higher risk of circadian disorders. The presentation will then discuss the results of measuring circadian entrainment/disruption, clock gene expression, morning cortisol levels, and self-reports of stress in a group of young adults whose rest-activity behavior was delayed with respect to the normal population. Following base-line measurements, subjects were given new schedules with earlier rise times and go-to-bed times. Following a week of adherence to the new schedule, every subject advanced their circadian phase as measured by evening onset of melatonin and were more entrained to the light-dark cycle as measured by the Daysimeter. Further, the new schedules changed the time course of clock-gene expression. The new schedules were also associated with a reduction in morning cortisol levels, and the timing of the morning cortisol peak was more consistent among subjects. We found no statistically significant effect of the new schedules on self reports of stress. These findings indicate that a regular schedule can change circadian timing and improve circadian entrainment, possibly reducing levels of psychosocial stress.

INTEGRATION OF NOVEL METHODS TO ASSESS EFFECTS OF STRESS AND ALCOHOL USE

Mustafa al'Absi, Santosh Kumar, Emre Ertin, Kathryn Feuvrel, Nancy Dold, Susan Kuldaneck, Satish Kedia, George E. Relyea, Marcia Scott, Manju Venugopal, Kenneth Ward, and Lorentz Wittmers

Measurement of stress and addictive behaviors is limited by failure to capture cause-effect relationship and the susceptibility of self report to memory and social desirability biases. Our research project aims to develop and validate a field-deployable tool, called AutoSense, to measure exposure to psychosocial stress using wearable physiological sensors and to use non-invasive, real-time, and continuous biochemical assessment of human interstitial fluid to measure drug exposure. Currently, the AutoSense system consists of wireless sensors to collect time-synchronized continuous measurements of heart rate, heart rate variability, skin conductance, respiration rate, skin temperature, blood alcohol level, and physical activity. It is also able to transmit them wirelessly to a smart phone for local data processing and to solicit participant inputs in a timely manner. The device is currently undergoing validation in the clinic and in the field. We present some initial results from the clinic where we have integrated interstitial fluid-based assessment of alcohol with other methods to assess effects of alcohol and acute stress. Forty-one participants (ages: 21 - 32; 18 women) completed two laboratory sessions. During each session we collected multiple saliva and blood samples to assay for alcohol and cortisol. We also collected cardiovascular and mood measures before, during, and after performing three stressors (public speaking, mental arithmetic, and cold pressor). During one session participants received a dose of alcohol (0.5 g/kg) mixed in grapefruit, while in the other they received grapefruit juice alone. Order of session was counterbalanced within each gender group. Preliminary analyses showed an average correlation of .84 (N=9; Range: .55-.98) between alcohol levels in interstitial fluid (ISF) and the breathalyzer. Preliminary results in predicting breathalyzer alcohol levels by ISF and subject specific characteristics using a single regression equation was also highly significant ($r = .82, p < .0001$). This last result provides evidence that the device can self-calibrate in the field, without need for controlled alcohol administration. The ultimate goal of our project will be to enable researchers to measure exposure to psychosocial stress and addictive substances in a reliable, accurate, and convenient manner in the clinic and in real-life situations.

**Symposium 1325: Functional Neuroimaging of Stress:
Human Evidence on Efferent and Afferent Brain-Body Pathways**

Salon B/C

Chair: Tor D. Wager, PhD

Individual Abstract Number: 1342

STRESSOR-EVOKED SUPPRESSION OF THE BAROREFLEX COVARIES WITH FUNCTIONAL ACTIVITY IN A DISTRIBUTED CORTICOLIMBIC CIRCUITRY

Peter Gianaros, Ph.D., Psychiatry, University of Pittsburgh, Pittsburgh, PA

Individual Abstract Number: 1345

FMRI IMAGING OF SOCIAL EVALUATIVE THREAT: CORTICAL-SUBCORTICAL MEDIATORS OF CARDIOVASCULAR EFFECTS AND IMPAIRMENTS IN WORKING MEMORY

Tor D. Wager, Ph.D., Psychology, Columbia University, New York, NY

Individual Abstract Number: 1344

CORTISOL EFFECTS ON HUMAN DECISION MAKING

Israel Liberzon, M.D., Psychiatry Department and Ann Arbor VA Health System, University of Michigan, Ann Arbor, MI

Individual Abstract Number: 1343

AN FMRI STUDY OF CYTOKINE-INDUCED DEPRESSION AND SOCIAL PAIN

Naomi Eisenberger, Ph.D., Psychology, University of California, Los Angeles, CA

Symposium 1116: Patients' Illness Perceptions and Outcomes in Cardiology

Salon D

Chair: Keith J. Petrie, PhD

Individual Abstract Number: 1117

DELINEATING THE INTERACTIONS BETWEEN COGNITION AND EMOTION IN RECOVERY FROM CARDIAC VALVE SURGERY

John Weinman, PhD, Matthew Hankins, PhD, Helen Rimington, PhD, Health Psychology Section, Institute of Psychiatry, Kings College London, London, London, United Kingdom

Individual Abstract Number: 1224

PATIENTS' PERCEPTIONS OF THEIR HEART CONDITION PREDICT SPEED OF RETURN TO FUNCTIONING AND HEART-RELATED DISABILITY FOLLOWING CARDIAC SURGERY

Keith J. Petrie, Unique Weber, MS, Emma MacDonald-Laurs, Psychological Medicine, University of Auckland Medical School, Auckland, Auckland, New Zealand, Paget Millsom, FRACS, Cardiothoracic Surgery, Chris J. Ellis, MD, Cardiology, Auckland City Hospital, Auckland, Auckland, New Zealand

Individual Abstract Number: 1223

NON-ADHERENCE TO IMMUNOSUPPRESSANT MEDICATION IN HEART TRANSPLANT PATIENTS: THE ROLE OF ILLNESS AND TREATMENT PERCEPTIONS

Elizabeth A. Broadbent, PhD, Mary Kung, MS, Psychological Medicine, University of Auckland Medical School, Auckland, Auckland, New Zealand, Liz Painter, MS, Cardiology, Auckland City Hospital, Auckland, Auckland, New Zealand

Individual Abstract Number: 1221

TYPE D PERSONALITY IS ASSOCIATED WITH WIDESPREAD PATHOGENIC ILLNESS PERCEPTIONS IN POST - MYOCARDIAL INFARCTION PATIENTS

Ronan E. O'Carroll, PhD, Lynn Williams, PhD, Rory C. O'Connor, PhD, Department of Psychology, University of Stirling, Stirling, Scotland, United Kingdom, Eric Grubb, MRCP, Cardiovascular Research, University of Edinburgh, Edinburgh, Scotland, United Kingdom

Objectives: To determine if Type D personality is associated with pathogenic illness

Paper Session 10 - Race, Ethnicity, and Health

Salon A

Chair: John Ruiz, PhD

Abstract 1571

CHRONIC STRESS, LIFESTYLE FACTORS, AND ALLOSTATIC LOAD IN MEXICAN-AMERICAN WOMEN

Jessica A. Jimenez, MA, SDSU/UCSD Joint Doctoral Program in Public Health, Paul J. Mills, PhD, Psychiatry, UC-San Diego, La Jolla, California, Smriti Shivpuri, MA, SDSU/UCSD JDP Clinical Psychology, Karla Espinosa de los Monteros, MS, Linda C. Gallo, PhD, SDSU/UCSD JDP in Clinical Psychology, San Diego State University, San Diego, California

Abstract 1672

UNFAIR TREATMENT IS BAD FOR SLEEPING, IN PART DUE TO WORRYING

Danielle L. Beatty, Ph.D., Martica H. Hall, Ph.D., Psychiatry, Thomas A. Kamarck, Ph.D., Psychology, Daniel J. Buysse, M.D., Jane F. Owens, Dr.P.H., Psychiatry, Steven E. Reis, M.D., Medicine, Elizabeth J. Mezick, M.S., Psychology, Patrick J. Strollo, M.D., Medicine, Karen A. Matthews, Ph.D., Psychiatry, University of Pittsburgh, Pittsburgh, PA

Abstract 1679

RACIAL/ETHNIC DISPARITIES IN HOSPITALIZATION TRENDS: EVIDENCE FOR A HISPANIC RECOVERY ADVANTAGE

John M. Ruiz, Ph.D., Psychology, University of North Texas, Denton, Texas, Noel O. Santini, MD, Adult Medicine, Parkland Health & Hospital System, Dallas, Texas, Sean Lewis, BA, Erin E. Kauffman, BA, Courtney C. Prather, BA, Lauren M. Smith, MA, Psychology, University of North Texas, Denton, Texas

Abstract 1362

SUPPORT FOR DISEASE MANAGEMENT AMONG LATINOS WITH TYPE 2 DIABETES

Addie L. Brewer, MS, Linda C. Gallo, PhD, Joint Doctoral Program in Clinical Psychology, SDSU/UCSD, San Diego, CA, Athena L. Philis-Tsimikas, MD, Scripps Whittier Diabetes Institute, Scripps Whittier Diabetes Institute, San Diego, CA

Abstract 1432

EVERYDAY DISCRIMINATION AND NOCTURNAL BLOOD PRESSURE DIPPING IN BLACK AND WHITE AMERICANS

Lianne M. Tomfohr, B.A., Denise C. Cooper, Ph.D., Paul J. Mills, Ph.D., Richard A. Nelesen, Ph.D., Joel E. Dimsdale, MD, Psychiatry, University of California, San Diego, La Jolla, CA

3:45 - 4:00 pm

BREAK

4:00 - 5:15 pm

PLENARY SESSION

Salon F/G/H/I



Clemens Kirschbaum



Elissa Epel



Steven W. Cole

Measuring Biomarkers of Stress II: Practices, Pitfalls, and Possibilities

Chair: Tara Gruenewald, PhD

Speakers: Clemens Kirschbaum, PhD; Elissa Epel, PhD; and Steven W. Cole, PhD

Stress has long been identified and defined by measurement of physiological changes in the body. From central nervous system structures that perceive stressors to the autonomic nervous system and endocrine systems which act to regulate stress responses in other physiological systems, almost every cell and system in the body can be affected by stressor experience. This set of symposium will highlight current practices, methodological challenges, and promising possibilities in measuring the biological imprints of stressor experience. Session I (Thursday at 3:45 pm) will focus on measurement of aspects of the central and autonomic nervous systems, as well as hemostatic and inflammatory processes. Session II will focus on endocrine and genetic biomarkers.

Session II of the symposium on the measurement of biological imprints of stressor experience will focus on current practices, methodological challenges, and promising possibilities in measurement of endocrine and genetic biomarkers of stress. Dr. Kirschbaum will review methodological considerations in the measurement of endocrine markers of stress, with a focus on the hypothalamic-pituitary-adrenal (HPA) axis. He will share new developments in the use of hair to measure steroid hormone activity. Dr. Epel will review the potential impact of psychosocial stress on the aging of our bodily cells. She will address measurement of telomere (DNA end-segment) length, as a marker of cell aging, as well as other biological markers which may regulate telomere activity. Dr. Cole will address emerging opportunities for measuring stress responses via their impact on genome-wide transcriptional profiles. He will review how stress mediators, such as hormone and neurotransmitters, exert their biological impact, in part, by regulating gene expression. In particular, he will highlight the functional genomic influences of the sympathetic nervous system and HPA axis.

STEROID HORMONES IN HAIR: A NOVEL TOOL FOR CAPTURING HORMONE LEVELS OVER PROLONGED PERIODS OF TIME

Clemens Kirschbaum, PhD

TELOMERES: A NEW PSYCHOBIOMARKER?

Elissa Epel, PhD

GENE EXPRESSION MEASURES OF STRESS

Steven W. Cole, PhD

5:15 - 6:30 pm

POSTER SESSION 2

Salon E and Foyer

165) Abstract 1563

STRESS MANAGEMENT SKILLS, STRESS REDUCTION, AND CHANGES IN INFLAMMATORY AND METABOLIC MARKERS OF DISEASE RISK

Daniel M. Webber, MS, Jeffrey M. Greeson, PhD, Integrative Medicine, Duke University Medical Center, Durham, NC, Justin P. Meunier, BA, Medicine, Louisiana State University School of Medicine, New Orleans, LA, Tracy W. Gaudet, MD, Ruth Q. Wolever, PhD, Integrative Medicine, Duke University Medical Center, Durham, NC

166) Abstract 1046

EFFECT OF WILLIAMS LIFESKILLS TRAINING ON ANGER AND ANXIETY IN ADOLESCENTS

Vernon A. Barnes, PhD, Pediatrics, Medical College of Georgia, Augusta, GA, Virginia P. Williams, PhD, Williams LifeSkills, Inc, Durham, NC, Redford B. Williams, MD, Behavioral Medicine, Duke Univ Medical Center, Durham, NC, Venkataraman P. Shenbagarajan, MBBS, Pediatrics, Douglas R. Bentley, MPH, Family Medicine, Maribeth H. Johnson, MS, Biostatistics, Medical College of Georgia, Augusta, GA

167) Abstract 1049

FAMILY ENVIRONMENTAL INFLUENCES MEDITATION EFFICACY IN AFRICAN AMERICAN ADOLESCENTS

Vernon A. Barnes, PhD, Mathew J. Gregoski, PhD, Pediatrics, Martha S. Tingen, PhD, Frank A. Treiber, PhD, Pediatrics, Graduate Studies, Medical College of Georgia, Augusta, GA

168) Abstract 1220

STRESS IN DEMENTIA CAREGIVERS: AN EXPERIENCE-BASED SAMPLING STUDY

Alexandra M. Amen, BA, Neurology, Oregon Health and Science University, Portland, Oregon, Irina Fonareva, BA, Behavioral Neuroscience, Daniel P. Zajdel, BS, Roger M. Ellingson, M.S.C.S.&E, Barry S. Oken, MD, Neurology, Oregon Health and Science University, Portland, OR

169) Abstract 1407

ASSESSING STRESS AND COPING AFTER HURRICANE IKE: PRELIMINARY ANALYSES AT THE FIRST ANNIVERSARY

Sheryl L. Bishop, PhD, School of Nursing, University of Texas Medical Branch, Galveston, Texas, Charles C. Benight, PhD, Psychology, University of Colorado at Colorado Springs, Colorado Springs, Colorado, Chris R. Brewin, PhD, Clinical Health Psychology, University College London, London, England, R. Jeanne Ruiz, PhD, School of Nursing, University of Texas at Austin, Austin, Texas, Raymond Stowe, PhD, Microgen Labs, Inc, La Marque, Texas

170) Abstract 1233

PREDICTORS OF MAJOR DEPRESSION IN DIABETES OUTPATIENTS WITH SUB-THRESHOLD DEPRESSION

Mariska Bot, MSc, Frans Pouwer, PhD, Peter de Jonge, PhD, Medical Psychology and Neuropsychology, Tilburg University, Tilburg, The Netherlands

171) Abstract 1112

CHANGE IN POSITIVE EMOTION AS A PREDICTOR OF 6-YEAR CHANGE IN FUNCTIONAL STATUS IN INDIVIDUALS AGED 60 AND OLDER

Beverly H. Brummett, PhD, Department of Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, N.C., Morten Grønbaek, National Institute of Public Health, Copenhagen, Denmark, John C. Barefoot, PhD, Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, N.C.

172) Abstract 1332

FURTHER VALIDATION OF THE PLEASANT EVENTS (PE) AND ACTIVITY RESTRICTION (AR) PEAR MODEL OF NEGATIVE OUTCOMES IN ALZHEIMER CAREGIVERS: ASSOCIATIONS WITH MARKERS OF SYMPATHETIC TONE

Elizabeth A. Chattillion, BA, Susan K. Roepke, MS, Clinical Psychology, SDSU / UCSD Joint Doctoral Program, La Jolla, CA, Raeanne Moore, MA, Clinical Psychology, Alliant International University, La Jolla, CA, Roland von Kanel, MD, General Internal Medicine, Inselspital, Bern University Hospital, Bern, Switzerland, Paul J. Mills, PhD, Psychiatry, Michael G. Ziegler, MD, Medicine, Thomas L. Patterson, PhD, Igor Grant, MD, Brent T. Mausbach, PhD, Psychiatry, University of California, San Diego, La Jolla, CA

173) Abstract 1406

TRAIT ANXIETY, PERCEIVED STRESS, AND INTERNALIZED HOMOPHOBIA AS PREDICTORS OF SELF-BLAME IN BISEXUAL WOMEN

Kate G. Edwards, B.A., Mark Vosvick, Ph.D., Eliot Lopez, M.A., Psychology, University of North Texas, Denton, Texas

174) Abstract 1195

SLEEP QUALITY IN DEMENTIA CAREGIVERS: RELATIONSHIP WITH STRESS

Irina Fonareva, BA, Behavioral Neuroscience, Alexandra M. Amen, BA, Daniel P. Zajdel, BS, Roger M. Ellingson, MS, Neurology, Barry S. Oken, MD, Neurology, Behavioral Neuroscience, Oregon Health & Science University, Portland, OR

175) Abstract 1180

ASSOCIATIONS BETWEEN JOB STRAIN AND THE CORTISOL/DHEA-S RATIO AMONG MANAGEMENT AND NON-MANAGEMENT PERSONNEL

Michael C. Gadinger, Dipl. Psych., Joachim E. Fischer, Professor, Sven Schneider, PD, Public Health & Social Medicine, University Heidelberg, Mannheim Medical Faculty, Mannheim, Baden-Württemberg, Germany

176) Abstract 1392

DIURNAL RHYTHM IN BRITISH ANTARCTIC PERSONNEL

Anette Harris, MSc, Psychology, University of Bergen, Bergen, Norway, Iain Grant, MB, FRCSEd, British Antarctic Survey, Emergency Dept, Derriford Hospital, Plymouth, UK, Hege R. Eriksen, PhD, Unifob Health, University of Bergen, Bergen, Norway, Peter Marquis, Richard Corbett, BM, BCh, British Antarctic Survey, Emergency Dept., Derriford Hospital, Plymouth, UK, Holger Ursin, MD, PhD, Unifob Health, University of Bergen, Bergen, Norway

177) Abstract 1570

MINDFULNESS QUALITIES, MENSTRUAL ATTITUDES, AND PREMENSTRUAL SYMPTOMS

M. Kathleen B. Lustyk, PhD, Psychology, Winslow G. Gerrish, MA, Clinical Psychology, Haley Douglas, BS, Psychology, Seattle Pacific University, Seattle, WA, Sarah Bowen, PhD, Alan Marlatt, PhD, Psychology, University of Washington

178) Abstract 1786

TOO MUCH OF A GOOD THING?: RESILIENCE AND RELIGION PREDICT WORSE DIURNAL SALIVARY CORTISOL PATTERNS FOR AFRICAN-AMERICAN FEMALE DEMENTIA FAMILY CAREGIVERS

Marcellus M. Merritt, Ph.D., Psychology, University of Wisconsin, Milwaukee, Wisconsin, T.J. McCallum, Ph.D., Psychology, Case Western Reserve University, Cleveland, Ohio, Thomas Fritsch, Ph.D., Parkinsons Research Institute, Milwaukee, Wisconsin

179) Abstract 1120

RELATIONSHIP BETWEEN CHRONIC STRESS AND CAROTID INTIMA-MEDIA THICKNESS (IMT) IN ELDERLY ALZHEIMER'S DISEASE CAREGIVERS

Susan K. Roepke, M.S., Clinical Psychology, SDSU/UCSD Joint Doctoral Program, La Jolla, CA, Matthew Allison, M.D., Family and Preventative Medicine, Brent T. Mausbach, Ph.D., Psychiatry, University of California, San Diego, La Jolla, CA, Elizabeth A. Chattillion, B.A., Clinical Psychology, SDSU/UCSD Joint Doctoral Program, La Jolla, CA, Alexandra L. Harmell, B.A., Thomas L. Patterson, Ph.D., Psychiatry, University of California, San Diego, La Jolla, CA, Roland von Känel, M.D., General Internal Medicine, Inselspital, Bern University Hospital and University, La Jolla, CA, Joel E. Dimsdale, M.D., Paul J. Mills, Ph.D., Psychiatry, Michael G. Ziegler, M.D., General Medicine, Sonia Ancoli-Israel, Ph.D., Igor Grant, M.D., Psychiatry, University of California, San Diego, La Jolla, CA

180) Abstract 1230

UTILIZATION OF REFERRED PSYCHIATRIC SERVICES AMONG LOW INCOME HIV POSITIVE PATIENTS WITH SCREENING DIAGNOSES OF PTSD, ASD, OR DEPRESSION

Marie V. Soller, MD, Psychiatry Residency, San Mateo County Behavioral Health & Recovery Service, San Mateo, CA, Neda Kharrazi, BA, Psychology, Stanford University, Stanford, CA, Diane Prentiss, MPH, MHSA, San Francisco Department of Public Health, San Francisco, CA, Steve Cummings, MD, Psychiatry, San Mateo County Medical Center, San Mateo, CA, Cheryl Koopman, PhD, Psychiatry, Stanford School of Medicine, Stanford, CA, Dennis Israelski, MD, Medicine, Stanford School of Medicine, Palo Alto, CA

181) Abstract 1506

HEART RATE VARIABILITY AND SEROTONIN TRANSPORTER PROMOTER POLYMORPHISM GENOTYPES IN A MULTI-ETHNIC SAMPLE

John J. Sollers III, Ph.D., Julian F. Thayer, Ph.D., Psychology, The Ohio State University, Columbus, Ohio, Marcellus M. Merritt, Ph.D., Psychology, University of Wisconsin Milwaukee, Milwaukee, WI, Allison Ashley-Koch, Center for Human Genetics, Beverly Brummett, Ph.D., Ilene Siegler, MD, Redford B. Williams, MD, Department of Psychiatry and Behavioral Medicine, Duke University Medical Center, Durham, NC

182) Abstract 1511

MINDFULNESS-BASED STRESS REDUCTION MAY LOWER BLOOD PRESSURE IN LOW-INCOME MINORITY OLDER ADULTS: A PILOT STUDY

Sarah L. Szanton, PhD, School of Nursing, Priya Palta, BS, Epidemiology, Matthew Hayat, PhD, School of Nursing, Johns Hopkins University, Baltimore, MD, Amy B. Connolly, MS, School of Nursing, Johns Hopkins University, Timonium, MD, Rachel L. Piferi, PhD, Psychological and Brain Sciences, Johns Hopkins University, Baltimore, MD

183) Abstract 1763

EFFECTS OF EXERCISE AND NUTRITION ON CORTISOL REGULATION AMONG OLDER ADULTS
Guido G. Urizar Jr., Ph.D., Psychology, California State University, Long Beach, Long Beach, CA, Natara Garovoy, Ph.D., Cynthia M. Castro, Ph.D., Abby C. King, Ph.D., Medicine, Stanford University, Stanford, CA

184) Abstract 1790

HIGH PRENATAL STRESS IN BOYS AND INCONSISTENT PRENATAL STRESS IN GIRLS LOWERS BIRTH WEIGHT
Huaiyu Zhang, M.S., Joy Beckwith, M.A., MPH, Sophia Green, B.S., Eugene Emory, Ph.D., Psychology, Emory University, Atlanta, GA

185) Abstract 1121

PSYCHOSOCIAL PREDICTORS OF CARDIOVASCULAR EVENTS IN THE WISE STUDY
Kerry S. Whittaker, B.A., David S. Krantz, PhD, Medical and Clinical Psychology, Uniformed Services University, Bethesda, MD, Thomas Rutledge, PhD, VA San Diego Healthcare System, University of California, San Diego, San Diego, California, B. Delia Johnson, PhD, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA, Nadine S. Bekkouche, B.Sc., Medical and Clinical Psychology, Uniformed Services University, Bethesda, MD, Vera Bittner, MD, MSPH, Medicine, University of Alabama at Birmingham, Birmingham, Alabama, Jo-Ann Eastwood, PhD, RN, Nursing, UCLA School of Nursing, Los Angeles, CA, Wafia Eteiba, MD, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA, Carol E. Cornell, PhD, Arkansas Center for Health Disparities, University of Arkansas for Medical Sciences, Little Rock, AR, Carl J. Pepine, MD, Medicine, University of Florida, Gainesville, FL, Diane A. Vido, MS, Department of Cardiology/ASRI, Allegheny General Hospital, Pittsburgh, PA, Eileen M. Handberg, PhD, Division of Cardiovascular Medicine, University of Florida, Gainesville, FL, C. Noel Bairey Merz, MD, Heart Institute, Cedars-Sinai Medical Center, Los Angeles, CA

186) Abstract 1589

CROSS-SECTIONAL ASSOCIATIONS OF PSYCHOLOGICAL FACTORS WITH SYMPTOMS AND FUNCTIONAL STATUS IN PATIENTS WITH CONGESTIVE HEART FAILURE: INTERIM FINDINGS
Kerry S. Whittaker, BA, Sari D. Holmes, PhD, Nadine S. Bekkouche, BSc, Kristie M. Harris, BA, Sarah M. Godoy, BA, Andrew J. Wawrzyniak, PhD, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, John S. Gottdiener, MD, Willem J. Kop, PhD, Stephen S. Gottlieb, MD, Medicine: Cardiology, University of Maryland Medical Center, Baltimore, MD, David S. Krantz, PhD, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD

187) Abstract 1690

CHRONIC STRESS INCREASES THE RISK OF CARDIAC MALFUNCTION IN ADULTS
Gaston K. Kapuku, MD, PhD, Pediatrics and Medicine, Okwato George, Associate, Harry Davis, MS, Kashala Carter, Associate, Gwen Bulluck, Associate, Shanita Tolbert, BS, James Halbert, Associate, Sharika Leverett, Associate, Lashonda Bell, Associate, Sarita Vemulapalli, BS, Department of Pediatric, Gregory Harshfield, PhD, Pediatrics, Medical College of Georgia, Augusta, Georgia

188) Abstract 1109

PERCEIVED EMOTIONAL SUPPORT IS ASSOCIATED WITH GREATER KNOWLEDGE OF HEART ATTACK SYMPTOMS: EVIDENCE FROM A MULTI-STATE US SAMPLE
Steven D. Barger, PhD, Psychology, Northern Arizona University, Flagstaff, Arizona

189) Abstract 1140

ASSOCIATION OF ATTACHMENT STYLE AND SOCIAL SUPPORT WITH CORTISOL DURING STANDARDIZED ACUTE STRESS AND CORTISOL AWAKENING RESPONSE (CAR) IN HEALTHY ADULTS
Tara Kidd, Ph.D., Mark Hamer, Ph.D., Andrew Steptoe, D.Sc., Department of Epidemiology and Public Health, University College London, London, UK

190) Abstract 1371

COMBINED EFFECT OF DEPRESSIVE SYMPTOMS AND HOSTILITY ON AUTONOMIC NERVOUS SYSTEM FUNCTION
Misty A. Hawkins, BS, Jesse C. Stewart, PhD, Griffin J. Fitzgerald, BA, Psychology, Indiana University-Purdue University Indianapolis, Indianapolis, IN

191) Abstract 1382

TRAIT HOSTILITY IS ASSOCIATED WITH ENDOTHELIAL CELL APOPTOSIS IN HEALTHY ADULTS
Lauren T. Wasson, MD, Leah Rosenberg, BA, Shuqing Zhao, MS, Sangbeen Hong, BA, Padmini Iyer, BS, Sujith Kuruvilla, MD, Manjunath Harlapur, MD, Matthew Cholankeril, BA, Matthew Burg, PhD, Daichi Shimbo, MD, Medicine, Columbia University Medical Center, New York, NY

192) Abstract 1478

PHANTOM SHOCKS AS MARKERS OF UNDERLYING PTSD AND DEPRESSION

Ana Bilanovic, MA, Jane Irvine, DPhil, Psychology, York University, Toronto, Ontario, Canada, Adrienne Kovacs, PhD, Cardiology, University Health Network, Toronto, Ontario, Canada, Ann Hill, RN, Doug Cameron, MD, Clinical Electrophysiology, Toronto General Hospital, Toronto, Ontario, Canada, Joel Katz, PhD, Psychology, York University, Toronto, Ontario, Canada

193) Abstract 1487

THREAT VIGILANCE AND METABOLIC RISK FACTORS

Anita S. Hibbert, B.A.Sc., Meanne Chan, B.A., Jennifer H. Wong, B.Sc., Sherilynn Chan, B.A., Teresa Marin, M.A., Gregory E. Miller, Ph.D., Psychology, University of British Columbia, Vancouver, British Columbia, Canada

194) Abstract 1399

BIOFEEDBACK IN THE TREATMENT OF HEART FAILURE

Dana L. Frank, BS, Cardiovascular Medicine, Lamees Khorshid, PsyD, Jerome Kiffer, MA, Psychiatry and Psychology, Christine S. Moravec, PhD, Cardiovascular Medicine, Michael G. McKee, PhD, Psychiatry and Psychology, Cleveland Clinic, Cleveland, OH

195) Abstract 1238

COGNITIVE PREDICTORS OF POSTTRAUMATIC STRESS SYMPTOMS SIX MONTHS FOLLOWING ACUTE CORONARY SYNDROME

Anna Wikman, PhD, Gemma Randall, MSc, Epidemiology & Public Health, University College London, London, United Kingdom, Gerard Molloy, PhD, Psychology, University of Stirling, Stirling, Scotland, United Kingdom, Andrew Steptoe, DPhil, Epidemiology & Public Health, University College London, London, United Kingdom

196) Abstract 1079

DAYTIME SLEEP DOES NOT INFLUENCE CARDIOVASCULAR REACTIVITY TO STRESS

Ryan Brindle, Amy Kimicata, Neuroscience, Catie Vance, Mathematics, Lenny Costantini, David Domachowski, Biology, Sarah Conklin, PhD, Neuroscience and Psychology, Allegheny College, Meadville, PA

197) Abstract 1455

IL-6 PRODUCTION ASSOCIATED WITH ACUTE MENTAL STRESSORS IN CORONARY ARTERY DISEASE PATIENTS

Stephen K. Williams, MD, Emir Veledar, PhD, Cardiology, Emory University School of Medicine, Atlanta, Georgia, Gina Eubanks, Mustafa Hassan, MD, Cardiology, University of Florida, Gainesville, Florida, Arshed A. Quyyumi, MD, Viola Vaccarino, MD / PhD, David S. Sheps, MD, Cardiology, Emory University School of Medicine, Atlanta, Georgia

198) Abstract 1816

EFFECT OF GENDER ON LONG TERM QUALITY OF LIFE IN CARDIAC SURGERY PATIENTS

Sari D. Holmes, PhD, Lisa M. Martin, PhD, Sharon Hunt, MBA, Cardiac Surgery Research, Niv Ad, MD, Cardiac Surgery, Inova Heart and Vascular Institute, Falls Church, VA

199) Abstract 1263

DEPRESSIVE SYMPTOMS AND B-TYPE NATRIURETIC PEPTIDE AS PREDICTORS OF MORTALITY IN HEART FAILURE PATIENTS: THE CARDIOVASCULAR HEALTH STUDY

Krista C. Van den Broek, PhD, CoRPS - Medical Psychology, Tilburg University, Tilburg, The Netherlands, Christopher R. deFilippi, MD, FACC, Department of Medicine, Robert H. Christenson, PhD, Department of Pathology, Stephen L. Seliger, MD, John S. Gottdiener, MD, FACC, Willem J. Kop, PhD, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD

200) Abstract 1507

DISEASE SEVERITY, INFLAMMATION, AND SLEEP AMONG HEART FAILURE PATIENTS

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201) Abstract 1568

NONLINEAR ASSOCIATIONS BETWEEN CHRONIC STRESS AND CARDIOVASCULAR REACTIVITY AND RECOVERY

David K. Chatkoff, Ph.D., Behavioral Sciences, University of Michigan - Dearborn, Dearborn, MI, Karl J. Maier, Ph.D., Psychology, Salisbury University, Salisbury, MD

202) Abstract 1337

ASSOCIATIONS OF LONGITUDINAL CHANGES IN B-TYPE NATRIURETIC PEPTIDE WITH EMOTIONAL STRESS IN PATIENTS WITH CONGESTIVE HEART FAILURE: INTERIM FINDINGS

David S. Krantz, PhD, Sari D. Holmes, PhD, Kerry S. Whittaker, BA, Kristie M. Harris, BA, Nadine S. Bekkouche, BSc, Sarah M. Godoy, BA, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, Robert H. Christenson, PhD, Pathology, John S. Gottdiener, MD, Medicine: Cardiology, University of Maryland Medical Center, Baltimore, MD, Andrew J. Wawrzyniak, PhD, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, Willem J. Kop, PhD, Stephen S. Gottlieb, MD, Medicine: Cardiology, University of Maryland Medical Center, Baltimore, MD

203) Abstract 1700

ANGER EXPRESSION AND THE METABOLIC SYNDROME

Virginia Ferent, M.S., Psychology, University, Pullman, Washington, Celestina Barbosa-Leiker, Ph.D., Bruce M. Wright, M.D., Psychology, Health and Wellness Services, Washington State University, Pullman, WA

204) Abstract 1716

THE IMPACT OF DEPRESSIVE DISORDERS ON RESTING BLOOD PRESSURE IN MEN VERSUS WOMEN UNDERGOING EXERCISE STRESS TESTING

Lynn Jolicoeur, technologist, nuclear medicine, Xueli Zhao, PHD, research, Montreal Heart Institute, Montreal, Quebec, Canada, Simon Bacon, PHD, research, Montreal Heart Institute, Montreal, Canada, Canada, Kim Lavoie, PhD, Psychology, Bernard Meloche, technologist, research, Andre Arseneault, Md, nuclear medicine, Montreal Heart Institute, Montreal, Quebec, Canada

205) Abstract 1677

AN EXAMINATION OF ANGER AND STRESS AS PREDICTORS OF BETWEEN-PERSON VARIATION IN THE LONGITUDINAL DEVELOPMENT OF C-REACTIVE PROTEIN

Celestina Barbosa-Leiker, PhD, Health & Wellness Services, Washington State University, Pullman, WA, Trynke Hoekstra, MSc, Department of Health Sciences, VU University, Amsterdam, The Netherlands, Bruce R. Wright, MD, Health & Wellness Services, Virginia Ferent, MS, Sterling McPherson, MS, Psychology, Washington State University, Pullman, WA

206) Abstract 1682

IS TRAIT OPTIMISM OR PESSIMISM MORE IMPORTANT FOR INCIDENT CHD AND MORTALITY?

Hilary A. Tindle, MD, MPH, Division of General Internal Medicine, Yuefang Chang, PhD, Neurological Surgery, Karen A. Matthews, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, JoAnn E. Manson, MD, DrPH, Chief, Division of Preventive Medicine, Brigham and Women's Hospital, Boston, MA, Lesley F. Tinker, PhD, Women's Health Initiative Coordinating Center, Fred Hutchinson Cancer Research Center, Seattle, WA, Milagros C. Rosal, PhD, Division of Preventive and Behavioral Medicine, University of Massachusetts Medical School, Worcester, MA, Nancy Fugate Woods, PhD, Family and Child Nursing, University of Washington, Seattle, WA, Catherine R. Messina, PhD, Department of Preventive Medicine, Stony Brook University, Stony Brook, NY, Julie R. Hunt, PhD, Women's Health Initiative Coordinating Center, Fred Hutchinson Cancer Research Center, Seattle, WA, Mace C. Coday, PhD, Department of Preventive Medicine and Psychiatry, The University of Tennessee Health Science Center, Memphis, TN, Lewis H. Kuller, MD, DrPH, Department of Epidemiology, University of Pittsburgh School of Public Health, Pittsburgh, PA

207) Abstract 1438

CROSS-SECTIONAL AND LONGITUDINAL ASSOCIATIONS BETWEEN VITALITY AND PERIPHERAL ATHEROSCLEROSIS: RESULTS FROM THE AFRICAN AMERICAN HEALTH STUDY

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208) Abstract 1188

HIGH JOB STRESS IN PATIENTS WITH INFLAMMATORY BOWEL DISEASE

En-Young N. Cho, MD, Rafael J. Cámara, MD, Stefan Begré, MD, Roland von Kaenel, Professor, Berne, Switzerland

209) Abstract 1265

INDEPENDENT ASSOCIATIONS BETWEEN SOCIAL SUPPORT AND FACTOR VIII COAGULANT ACTIVITY AND PLATELET COUNT IN PATIENTS WITH A VENOUS THROMBOEMBOLIC EVENT

Paul S. Lukas, lic. phil., General Internal Medicine, Franziska Demarels Biasiutti, M.D., Haematology and Central Haematology Laboratory, Stefan Begré, M.D., Roland von Känel, M.D., General Internal Medicine, Bern University Hospital, Bern, Bern, Switzerland

210) Abstract 1537

ALGOMETRY WITH A CLOTHESPIN

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211) Abstract 1518

STRESS-HEMOCONCENTRATION EFFECTS ON BLOOD COAGULATION

Anthony W. Austin, M.A., Stephen M. Patterson, PhD, Christopher D. Ovre, B.S., Dianna L. Darr, Leslie A. Muhlenkamp, Psychology, Ohio University, Athens, OH

212) Abstract 1519

RELATIONSHIPS BETWEEN RESTING LIPIDS AND CARDIOVASCULAR REACTIVITY OVER TIME

Anthony W. Austin, M.A., Stephen M. Patterson, PhD, Psychology, Michael R. Kushnick, Ph.D., Michael J. Knutson, B.S., Mark L. McGlynn, B.S., Recreation and Sport Sciences, Ohio University, Athens, OH

213) Abstract 1440

EXECUTIVE FUNCTIONING, STRESS, AND ABDOMINAL OBESITY

A. Janet Tomiyama, Ph.D., Robert Wood Johnson Health & Society Scholar Program, Mary F. Dallman, Ph.D., Physiology, Robert H. Lustig, MD, Clinical Pediatrics, Elissa S. Epel, Ph.D., Psychiatry, University of California, San Francisco, San Francisco, CA

214) Abstract 1159

INTERACTIVE EFFECTS OF TONIC AND PHASIC RESPIRATORY SINUS ARRHYTHMIA ON AFFECTIVE RESPONSES TO STRESS

Matthew R. Cribbet, M.S., Psychology, The University of Utah, Salt Lake City, Utah, Paula G. Williams, Ph.D., Heather E. Gunn, M.S., Holly K. Rau, M.S., Psychology, University of Utah, Salt Lake City, Utah

215) Abstract 1639

EFFECTS OF FLUID LOADING ON PAIN PERCEPTION

Christopher D. Ovre, B.A., Stephen M. Patterson, Ph.D., Tyler C. McDaniel, Psychology, Ohio University, Athens, Ohio

216) Abstract 1051

RELATIONSHIP OF CIRCULATING INFLAMMATORY BIOMARKERS TO PERFORMANCE ON THE PSYCHOMOTOR VIGILANCE TASK IN OBSTRUCTIVE SLEEP APNEA

In-Soo Lee, MD, Psychiatry, University of California San Diego, San Diego, CA, Paul J. Mills, Ph.D., Sonia Ancoli-Israel, Ph.D., Wayne A. Bardwell, Ph.D., Joel E. Dimsdale, MD, Psychiatry, University of California San Diego, La Jolla, CA

217) Abstract 1623

ACUTE EXPERIMENTAL STRESS SELECTIVELY MOBILIZES CD16+ NATURAL KILLER CELLS IN HEALTHY FEMALE VOLUNTEERS

Alexander D. Praslick, MEd, Mount Sinai School of Medicine, New York, NY, Dana H. Bovbjerg, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

218) Abstract 1297

CORTISOL AND OXYTOCIN RESPONSES TO STRESS AMONG WOMEN WHO BINGE-DRINK ALCOHOL DEPEND ON ORAL CONTRACEPTIVE USE

Melissa G. Guaderrama, B.S., Elizabeth J. Susman, Ph.D., Biobehavioral Health, Penn State University, University Park, PA, Elizabeth J. Corwin, Ph.D., College of Nursing, University of Colorado at Denver, Aurora, CO, Michele M. Stine, Ph.D., Laura C. Klein, Ph.D., Biobehavioral Health, Penn State University, University Park, PA

219) Abstract 1808

POINT-OF-USE ASSESSMENT OF SALIVARY ALPHA AMYLASE AND ITS ASSOCIATION WITH SELF-REPORTED DISTRESS

Vivek Shetty, DDS, Dr Med Dent, Oral and Maxillofacial Surgery, Theodore F. Robles, PhD, Psychology, Corwin M. Zigler, Biostatistics, Dorie A. Glover, PhD, Psychiatry, University of California, Los Angeles, Los Angeles, CA, Masaki Yamaguchi, PhD, Biomedical Engineering, Iwate University, Morioka, Japan

220) Abstract 1466

INTRA-INDIVIDUAL RELIABILITY OF THE CORTISOL AWAKENING RESPONSE IN YOUTH

Sivan Rotenberg, B.Sc., Jennifer J. McGrath, Ph.D., M.P.H., Pediatric Public Health Psychology PPHP Laboratory, Concordia University, Montréal, Québec, Canada

221) Abstract 1314

INDIVIDUAL VARIABILITY ON RESTING BRAIN FUNCTION MEASURED BY ASL PERFUSION

Michiko Kano, MD, PhD, Behavioral Medicine, Tohoku University, Sendai, Miyagi, Japan, Steven J. Coen, PhD, Adam D. Farmer, MB BS BSc MRCP, Neurogastroenterology, Wingate Institute, QMUL, London, UK, Shin Fukudo, MD, PhD, Behavioral Medicine, Tohoku University, Sendai, Japan, Qasim Aziz, MD, PhD, Neurogastroenterology, Wingate Institute, QMUL, London, UK, Ruth L. O'Gorman, PhD, Neuroimaging, King's college hospital, London, UK

222) Abstract 1386

NEURAL BASIS OF MODURATION EFFECT OF ANTICIPATION ON PAIN AND DAILY PHYSICAL COMPLAINTS

Motoharu Gondo, Department of Psychosomatic Research, Yoshiya Moriguchi, Department of Psychophysiology, National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan, Noriko Sato, Department of Radiology, National Center Hospital of Neurology and Psychiatry, Kodaira, Tokyo, Japan, Gen Komaki, Department of Psychosomatic Research, National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan

223) Abstract 1721

WHY DOESN'T SELF-REPORTED AFFECT CORRESPOND TO CARDIOVASCULAR RESPONSES?

Matthew J. Zawadzki, M.S., Psychology, Nicholas M. Rockower, M.A., Biobehavioral Health, The Pennsylvania State University, University Park, PA, Regina E. Lopez, M.S., Psychology, Universidad Complutense de Madrid, University Park, PA, Tanya M. Goyal, PhD, Department of Medicine, Columbia University, New York, NY, William Gerin, PhD, Biobehavioral Health, The Pennsylvania State University, University Park, PA

224) Abstract 1008

GRADUATE SCHOOL STRESS & WELLNESS

Jude A. Bergkamp, M.A., Carly Pereira, M.A., Clinical Psychology, Antioch University Seattle, Olympia, WA

225) Abstract 1512

TRAIT EMPATHIC CONCERN PREDICTS SYMPATHETIC NERVOUS SYSTEM RESPONSE TO ANOTHER PERSON'S STRESS

Tony W. Buchanan, PhD, Sara Bagley, BS, Psychology, Saint Louis University, St. Louis, MO, Stephanie D. Preston, PhD, Psychology, University of Michigan, Ann Arbor, MI

226) Abstract 1778

RELATIONSHIP BETWEEN SOCIAL SUPPORT PERCEPTIONS AND STRESS-INDUCED CARDIOVASCULAR REACTIVITY

Lynne M. Rochette, MS, Psychology, Ohio University, Athens, OH, Stephen M. Patterson, PhD, Katherine A. Mastrangelo, Psychology, Ohio University, Athens, Ohio

227) Abstract 1806

ADULT ATTACHMENT AND CARDIOVASCULAR RESPONSE TO ACUTE STRESS

Cinnamon A. Stetler, PhD, Psychology, Furman University, Greenville, SC

228) Abstract 1304

CHILDHOOD ADVERSITY PREDICTS RECURRENT DEPRESSION, LUPUS ACTIVITY AND ADJUSTMENT IN SLE

Elizabeth A. Bachen, Ph.D., Psychology, Mills College, Oakland, CA, Margaret A. Chesney, Ph.D., Medicine, University of Maryland, Baltimore, MD, Lindsey A. Criswell, MD, Medicine, UCSF, San Francisco, CA

229) Abstract 1744

RELATION OF HYDRATION STATUS TO MEMORY AND WORKING MEMORY IN OLDER ADULTS

Stephen M. Patterson, Ph.D., Julie A. Suhr, Ph.D., Psychology, Ohio University, Athens, Ohio, Kathi Heffner, Ph.D., Psychiatry, University of Rochester, Rochester, New York, Anthony W. Austin, MA, Psychology, Ohio University, Athens, Ohio

230) Abstract 1675

MIND-BODY MEDICINE(YOGA BASED) COMPREHENSIVE LIFESTYLE INTERVENTION IN HYPERTENSIVE PATIENTS

Alok K. Mishra, Ph.D, Dr. Tara Singh, Ph.D, Psychology, Barkatullah University, Bhopal, M.P, India, Dr. R Sagar, M.D , Psychiatry, All India Institute Of Medical Sciences(AIIMS), Delhi, Delhi, India

231) Abstract 1227

SINGLE NUCLEOTIDE POLYMORPHISM AT BASE PAIR 145 ON THE ADRENERGIC RECEPTOR $\alpha 1$ GENE PREDICTS POORER NEUROCARDIAC FUNCTION AND BLOOD PRESSURE

Meghan McLain, M.A., Psychiatry and Behavioral Science, Eastern Virginia Medical School, Norfolk, VA, Davin Rautiola, Chemistry, Old Dominion University, Norfolk, VA, Richard Jennings, Ph.D., Psychiatry, Matthew Muldoon, M.D., Medicine, Robert Ferrell, Ph.D., GSPH-Human Genetics, Stephen Manuck, Ph.D., Psychology, University of Pittsburgh, Pittsburgh, PA, Serina Neumann, Ph.D., Psychiatry and Behavioral Sciences, Eastern Virginia Medical School, Norfolk, VA

232) Abstract 1496

CAN BLOOD PRESSURE MEASUREMENTS TAKEN IN PHYSICIAN'S OFFICE AVOID THE "WHITE COAT" BIAS?

Regina Espinosa , MSc, Biobehavioral Health, Matthew J. Zawadzki, M.S., Psychology, Nicholas M. Rockower, MPhil, Biobehavioral Health, The Pennsylvania State University, University Park, PA, Tanya M. Spruill, PhD, Medicine, Columbia University Medical Center, New York, NY, Maria Paz Garcia-Vera, PhD, Jesus Sanz, PhD, Personality, Assessment and Psychological Treatment, Complutense University of Madrid, Madrid, Spain, William Gerin, PhD, Biobehavioral Health, The Pennsylvania State University, University Park, PA

233) Abstract 1670

NAÏVE NEUTROPHIL PSEUDOPOD FORMATION STIMULATED BY PLASMA FROM PATIENTS WITH NORMAL OR ELEVATED BLOOD PRESSURE

Bassem M. Shoucri, B.S., Bioengineering, Kate M. Edwards, Ph.D., Psychiatry, Geert W. Schmid-Schonbein, Ph.D., Bioengineering, Paul J. Mills, Ph.D., Psychiatry, University of California. San Diego, La Jolla, CA

234) Abstract 1633

INDIVIDUAL DIFFERENCES IN STRESS APPRAISAL ACCURACY: ASSOCIATIONS WITH PERSONALITY AND STRESS RECOVERY

Holly K. Rau, M.S., Psychology, University of Utah, Salt Lake City, UT, Paula Williams, Ph.D., Shawn Hazen, B.S., Matthew Cribbet, M.S., Heather Gunn, M.S., Alyson Shinn, B.S., Psychology, University of Utah, Salt Lake City, Utah

235) Abstract 1710

ANXIETY, NEGATIVE MOOD, AND CATECHOLAMINE LEVELS IN WOMEN UNDERGOING SURGERY FOR SUSPECTED ENDOMETRIAL CANCER

Timothy S. Sannes, M.S., Stacy Dodd, M.S., Clinical and Health Psychology, University of Florida, Gainesville, FL, Sally Jensen, Ph.D., Kellogg Cancer Care Center, NorthShore University HealthSystem, Chicago, IL, Linda Morgan, M.D., Department of Obstetrics and Gynecology, Wendy Carcamo, B.S., Molecular Cell Biology, Edward Chan, Ph.D., Department of Oral Biology, Deidre B. Pereira, Ph.D., Clinical and Health Psychology, University of Florida, Gainesville, FL

236) Abstract 1575

EFFECTS OF STATE POSITIVE AFFECT ON CORTISOL AUC AMONG RHEUMATOID ARTHRITIS PATIENTS

Sunmi Song, MA, Courtney A. Whetzel, PhD, Laura C. Klein, Ph.D., Jennifer E. Graham, PhD, Biobehavioral Health, Pennsylvania State University, University Park, PA

237) Abstract 1400

PAIN AND HEART RATE VARIABILITY: IS THERE A LINK?

Julian F. Thayer, PhD, Department of Psychology, The Ohio State University, Columbus, OH, Adrian Loerbroks, PhD, Marc N. Jarczok, Dipl. rer. soc., Joachim E. Fischer, MD, Mannheim Institute of Public Health, Heidelberg University, Mannheim, Germany

238) Abstract 1239

PSYCHOPHYSICAL RESPONSE TO PAIN PROBES DURING A YEAR OF VAGUS NERVE STIMULATION (VNS) AS A TREATMENT FOR FIBROMYALGIA (FM)

Dane Cook, PhD, Kinesiology, University of Wisconsin -Madison, Madison, WI, Gudrun Lange, PhD, Radiology, UMDNJ-New Jersey Medical School, Newark, NJ, Benjamin H. Natelson, MD, Neurology, Albert Einstein College of Medicine, New York, NY

239) Abstract 1292

POSITIVE AFFECT AS A RESILIENCE FACTOR IN PATIENTS WITH COMPLEX SYMPTOM DISORDERS
Afton L. Hassett, Psy.D., Shantal V. Savage, BA, Medicine, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ, Sarah E. Dihmes, MA, Psychology, University of Maryland, Baltimore, MD, Steve Buyske, Ph.D., Statistics, Rutgers University, Piscataway, NJ, Naomi Schlesinger, MD, Medicine, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ

240) Abstract 1617

GENDER EFFECTS IN CLASSICAL CONDITIONING OF PLACEBO ANALGESIA
Magne Arve Flaten, PhD, Espen Bjørkedal, MA, Peter S. Lyby, Cand. Psychol, Psychology, University of Tromsø, Tromsø, Norway, Yngve Figenschau, MD, Clinical Chemistry, University Hospital of North Norway, Tromsø, Norway, Per M. Aslaksen, PdD, Psychology, University of Tromsø, Tromsø, Norway

241) Abstract 1086

CHRONIC PAIN DUE TO THORACIC OUTLET SYNDROME, ACROMIO-CLAVICULAR JOINT SYNDROME, DISRUPTED DISC, NERVE ENTRAPMENTS, FACET SYNDROME AND OTHER DISORDERS MISDIAGNOSED AS FIBROMYALGIA
Nelson H. Hendler, MD, Neurosurgery, Johns Hopkins University School of Medicine, Stevenson, Maryland, Mary Ellen Murphy, RN, BS, Montgomery General Hospital, Olney, Maryland, Thomas Romano, MD, Martinsburg, Ohio

242) Abstract 1664

BLOOD PRESSURE AND PAIN SENSITIVITY IN CHILDREN AND ADOLESCENTS
Sammantha Drouin, B.A., Simon Racicot, M.A., Sabrina Giovannello, B.Sc, Jennifer J. McGrath, Ph.D, Pediatric Public Health Psychology PPHP Laboratory, Concordia University, Montreal, Quebec, Canada

243) Abstract 1388

THE RELATIONSHIP BETWEEN STRESS SYSTEMS AND THE METABOLIC SYNDROME
Brenda W. Penninx, PhD, Carmilla M. Licht, MSc, Sophie Vreeburg, MSc, Psychiatry, VU University Medical Center, Amsterdam, The Netherlands, Arianne K. van Reedt-Dortland, MSc, Psychiatry, Leiden University Medical Center, Leiden, The Netherlands, Nicole Vogelzangs, MSc, Psychiatry, VU University Medical Center, Amsterdam, The Netherlands, Eric J. Giltay, MD/PhD, Frans G. Zitman, MD/PhD, Psychiatry, Leiden University Medical Center, Leiden, The Netherlands, Eco J. de Geus, PhD, Biological psychology, VU University, Amsterdam, The Netherlands

244) Abstract 1612

IS ALEXITHYMIA A PROTECTIVE FACTOR AS REGARDS THE ADJUSTMENT TO A SEVERE CHRONIC DISEASE ?
Sylvie Pucheu, PhD, Silla M. Consoli, PhD, C-L Psychiatry, European Georges Pompidou Hospital, Paris, Ile de France, France, Dominique Cupa, PhD, Laboratory of Somatic and Identity Alterations, Paris Ouest La Defense University, Nanterre, Ile de France, France

245) Abstract 1610

DOES THE ASSOCIATION BETWEEN DEPRESSIVE MOOD AND ALEXITHYMIA DEPEND ON THE SEVERITY OF A CHRONIC DISEASE ?
Silla M. Consoli, PhD, C-L Psychiatry, European Georges Pompidou Hospital, Paris, Ile de France, France, Sylvie Pucheu, PhD, C-L Psychiatry, Georges Pompidou European Hospital, Paris, Ile de France, France

246) Abstract 1701

REDUCING DIABETIC DYSLIPIDEMIA: A RANDOMIZED TRIAL OF TRANSCENDENTAL MEDITATION VERSUS DIET AND EXERCISE IN OLDER AFRICAN AMERICAN WOMEN
Kenneth G. Walton, Ph.D., Carolyn Gaylord-King, Ph.D., Maxwell Rainforth, Ph.D., Sanford I. Nidich, Ed.D., John Salerno, Ph.D., Physiology, Maharishi University, Fairfield, Iowa, Otelio S. Randall, Cardiology, Howard University College of Medicine, Washington, D.C., Shichen Xu, MD, Cardiology, Howard University Hospital, Washington, D.C., Gregory Strayhorn, MD, Charlie L. Harris, Ph.D., Family Medicine, Morehouse Medical School, Atlanta, Georgia, Robert H. Schneider, MD, Physiology, Maharishi University, Fairfield, Iowa

247) Abstract 1208

WORK-RELATED STRESS AND INABILITY TO RELAX AFTER WORK PREDICT ASTHMA INCIDENCE IN ADULTS
Adrian Loerbroks, PhD, Michael C. Gadinger, Mannheim Institute of Public Health, Mannheim Medical Faculty, Heidelberg University, Mannheim, Germany, Jos A. Bosch, PhD, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, UK, Tii Stürmer, MD, MPH, UNC Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC, Manfred Amelang, PhD, Institute of Psychology, Heidelberg University, Heidelberg, Germany

248) Abstract 1187

PSYCHOSOCIAL CORRELATES OF ACTION PLAN USE IN MODERATE-SEVERE ASTHMATICS

K Ouellet, BA, M Boudreau, BA, S.L. Bacon, PhD, Kim L. Lavoie, PhD, Psychology; Pneumology; MBMC, UQAM; Hôpital du Sacré-Coeur de Montréal, Montreal, Quebec, Canada

249) Abstract 1244

PSYCHOLOGICAL DISTRESS AND CORTISOL CONCENTRATIONS IN PREGNANT WOMEN SHORTLY AFTER THE DIAGNOSIS OF A STRUCTURAL FETAL ANOMALY

Anne Kaasen, MSc, Anne Helbig, MD, Obstetrics and Gynecology, Ulrik F. Malt, Professor, Neuropsychiatry and Psychosomatic Medicine, Jens Bollerslev, Professor, Medicine, Guttorm Haugen, Professor, Obstetrics and Gynecology, Oslo University Hospital-Rikshospitalet, 0027 Oslo, Norway

250) Abstract 1408

CORTISOL, TRAUMA AND STRESSFUL LIFE EVENTS PREDICT SYMPTOMS OF DEPRESSION AND ANXIETY DURING PREGNANCY AND POSTPARTUM

Jane Leserman, PhD, Nacire Garcia, MS, Melissa Stansbury, BS, Cort A. Pedersen, MD, Psychiatry, University of North Carolina, Chapel Hill, NC

251) Abstract 1115

CBI EFFECTS IN IVF TREATMENT

Dalia Merari, Ph.D., Health Professions, Tel Aviv University, Petah-Tikva, Israel, Giora Kaplan, M.A., Psychosocial Aspects of Health Research Unit, Gertner Institute, Sheba Medical Center, Tel Hashomer, Israel

252) Abstract 1479

THE EFFECTS OF VARIOUS TYPES OF DISCRIMINATION ON HEALTH AMONG AFRICAN AMERICANS AND EUROPEAN AMERICANS

Collette P. Eccleston, PhD, Joshua M. Smyth, PhD, Psychology, Syracuse University, Syracuse, NY, Martin J. Sliwinski, PhD, Human Development and Family Studies, Pennsylvania State University, University Park, Pennsylvania

253) Abstract 1097

PSYCHOSOCIAL AND SOCIOECONOMIC PREDICTORS OF INTERLEUKIN-6 IN THE MIDUS NATIONAL SAMPLE

Jennifer A. Morozink, B.A., Carol D. Ryff, Ph.D., Psychology, University of Wisconsin-Madison, Madison, Wisconsin

254) Abstract 1413

THE EFFECT OF MUSIC ON ENDOCRINE AND AUTONOMIC STRESS RESPONSES

Myriam V. Thoma, M.Sc., Ulrike Ehlert, Professor, Urs M. Nater, PhD, Psychology, University of Zurich, Zurich, Zurich, Switzerland

255) Abstract 1202

TYPE D PERSONALITY, DEPRESSIVE SYMPTOMS AND WORK-RELATED HEALTH OUTCOMES

Paula M.C. Mommersteeg, Ph.D., Johan Denollet, Ph.D., Elisabeth J. Martens, Ph.D., Center of Research on Psychology in Somatic diseases, Tilburg University, Tilburg, Netherlands

256) Abstract 1160

TRAIT AND STATE PERSEVERATIVE COGNITION AND THE CORTISOL AWAKENING RESPONSE

Peggy M. Zoccola, M.A., Sally S. Dickerson, Ph.D., Ilona S. Yim, Ph.D., Psychology and Social Behavior, University of California, Irvine, CA

257) Abstract 1648

OMEGA-3 FATTY ACIDS, NEGATIVE AFFECT, HOSTILITY AND IMPULSIVITY

Matthew F. Muldoon, MD, Medicine, University of Pittsburgh, Pittsburgh, PA, Sarah M. Conklin, PhD, Neuroscience, Allegheny College, Meadville, PA, Jeffrey K. Yao, PhD, Psychiatry, VA Pittsburgh Healthcare System, Pittsburgh, PA, Janine D. Flory, PhD, Psychology, Queens College/CUNY, Flushing, NY, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

258) Abstract 1152

MATERNAL HOLOCAUST EXPOSURE AND HEALTH COMPLAINTS IN ADULT OFFSPRING

Janine D. Flory, Ph.D., Psychology, Queens College/CUNY & James J Peters VAMC, New York, NY, Linda M. Bierer, M.D., Psychiatry, James J Peters Bronx VAMC, Bronx, NY, Rachel Yehuda, Ph.D., Psychiatry, Mount Sinai School of Medicine & James J Peters VAMC, Bronx, NY

259) Abstract 1216

PARENTS' SOCIOECONOMIC STATUS FROM THEIR CHILDHOOD IS ASSOCIATED WITH BLOOD PRESSURE IN THEIR YOUTH

Hannah M. Schreier, MA, Edith Chen, PhD, Psychology, University of British Columbia, Vancouver, British Columbia, Canada

260) Abstract 1696

WORK-RELATED STIGMATIZATION IS ASSOCIATED WITH DEPRESSIVE SYMPTOMS AND POOR SELF-REPORTED SLEEP QUALITY AMONG MEDICAL EXAMINER PERSONNEL

Elizabeth Brondolo, PhD, Psychology, St. John's University, Jamaica, New York, Douglas L. Delahanty, PhD, Psychology, Kent State University, Kent, Ohio

261) Abstract 1777

HIGH SUBJECTIVE SOCIAL STATUS IS ASSOCIATED WITH LOW SLEEP EFFICIENCY IN ADOLESCENTS AND YOUNG ADULTS

Jutta M. Wolf, PhD, Stephen Gray, Daniel S. Harris, Leah Robsman, Jason Wong, Rachel Ellman, Asya Bashina, Nicolas Rohleder, PhD, Psychology, Brandeis University, Waltham, MA

262) Abstract 1322

PERCEPTIONS OF HEALTH STATUS AND CHOLESTEROL LEVELS

Clive O. Callender, M.D., Surgery, Howard University Medical School, Washington, DC, Alfonso L. Campbell, PhD, Camara J. Harrell, PhD, Psychology, Howard University, Washington, DC

263) Abstract 1585

EMOTION REGULATION STYLES PREDICT WHO BENEFITS FROM INTERPERSONAL EMOTIONAL DISCLOSURE

Olga M. Slavin-Spenny, M.A., Lindsay Oberleitner, M.A., Psychology, Wayne State University, Detroit, Michigan, Jay L. Cohen, Ph.D., Psychology, John Dingell VA Medical Center, Detroit, Michigan, Mark A. Lumley, Ph.D., Psychology, Wayne State University, Detroit, Michigan

264) Abstract 1729

ASSESSING SELF-REPORTED STRESS AND CORTISOL IN PREGNANT AFRICAN AMERICAN AND HISPANIC WOMEN

Sophia E. Green, B.S., Huaiyu Zhang, M.S., Joy D. Beckwith, M.A., Eugene K. Emory, Ph.D., Psychology, Emory University, Atlanta, GA

265) Abstract 1169

ASSESSING PHYSICIANS' ATTITUDES ABOUT SOMATOFORM DISORDERS

Joel E. Dimsdale, MD, Psychiatry, University of California, San Diego, La Jolla, CA, Neelom Sharma, M.B., Michael Sharpe, M.D., Psychiatry, University of Edinburgh, Edinburgh, Scotland, UK

266) Abstract 1422

SIMULTANEOUS ASSESSMENT OF GABAERGIC NEUROSTEROIDS IN WOMEN WITH HISTORIES OF DEPRESSION

Monica E. Lindgren, B.A., Patrizia Porcu, Ph.D., Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, NC, Rebecca R. Klatzkin, Ph.D., Psychology, Washington College, Chestertown, MD, A. Leslie Morrow, Ph.D., Pharmacology, Susan S. Girdler, Ph.D., Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, NC

267) Abstract 1426

BODY-ORIENTED THERAPY FEASIBILITY AND ACCEPTABILITY IN WOMEN'S ADDICTION TREATMENT

Cynthia J. Price, PhD, Biobehavioral Nursing and Health Systems, Elizabeth Wells, PhD, School of Social Work, Dennis Donovan, PhD, Psychiatry and Behavioral Sciences, University of Washington, Seattle, WA, Marissa Brooks, MPH, Residence XII, Kirkland, WA

268) Abstract 1464

POSITIVE (BUT NOT NEGATIVE) WELL-BEING IS LINKED TO MAINTENANCE OF COGNITIVE FUNCTION IN THE OLDER-OLD

Philip D. Evans, PhD, Angela Clow, PhD, Cathrine Fredhoi, Catherine Loveday, PhD, Psychology, Frank Hucklebridge, PhD, Human and Health Sciences, University of Westminster, London, United Kingdom, Elizabeth Aitchison, Faculty of Health and Social Care Sciences, Denise Forte, Faculty of Health and Social Care Sciences, Kingston and St George's, University of London, London, United Kingdom

269) Abstract 1737

MITIGATING FACTORS OF PERCEIVED STRESS: MOOD SELF-EFFICACY AND DEPRESSIVE SYMPTOMS

Kathleen S. Gali, BA, Janice Y. Tsoh, PhD, Psychiatry, University of California San Francisco, San Francisco, CA

270) Abstract 1702

RELATIONSHIPS BETWEEN BINGE EATING, DEPRESSION, AND AXIS II DISORDERS IN TWO INPATIENT SAMPLES

Neda Kharrazi, BA, Clinical Psychology, PGSP-Stanford PsyD Consortium, Palo Alto, CA, David D. Burns, MD, Debra L. Safer, MD, Psychiatry & Behavioral Sciences, Stanford University School of Medicine, Palo Alto, CA

271) Abstract 1270

CAROTID ATHEROSCLEROSIS ASSOCIATED WITH LATE ONSET DEPRESSIVE DISORDER: RESULTS FROM A LARGE COHORT STUDY

Adrie Seldenrijk, MSc, Psychiatry, Hein P. van Hout, PhD, Harm W. van Marwijk, MD PhD, General Practice, VU University Medical Center, Amsterdam, The Netherlands, Eric de Groot, MD PhD, Johan Gort, MSc, Vascular Medicine, Academic Medical Center, Amsterdam, The Netherlands, Cees Rustemeijer, MD PhD, Internal Medicine, Amstelland Hospital, Amstelveen, The Netherlands, Michaela Diamant, MD PhD, Internal Medicine, Brenda W. Penninx, PhD, Psychiatry, VU University Medical Center, Amsterdam, The Netherlands

272) Abstract 1666

FEASIBILITY OF COMPUTERIZED ECOLOGICAL MOMENTARY ASSESSMENT IN PATIENTS WITH MAJOR DEPRESSIVE DISORDER

Rika Nakahara, MD, PhD, Psychiatry, Teikyo University Mizonokuchi Hospital, Kanagawa, Japan, Kazuhiro Yoshiuchi, MD, PhD, Psychosomatic Medicine, Yoshiharu Yamamoto, PhD, Education, Akira Akabayashi, MD, PhD, Psychosomatic Medicine, University of Tokyo, Tokyo, Japan, Yoshinori Cho, MD, PhD, Psychiatry, Teikyo University Mizonokuchi Hospital, Kanagawa, Japan

273) Abstract 1754

OVERNIGHT SERUM CONCENTRATIONS OF NPY AND GALANIN IN PTSD WITH AND WITHOUT CO-MORBID DEPRESSION

Jessica M. Gill, PhD, National Institute of Nursing Research, National Institutes of Health, Bethesda, MD

274) Abstract 1529

DEPRESSION AND SMOKING: MEDIATING ROLE OF VAGAL TONE AND INFLAMMATION

Laine E. Taylor, DO, MBA, Department of Psychiatry, University of Arizona, Tucson, AZ, Adrian Loerbroks, PhD, Mannheim Institute of Public Health, University of Heidelberg, Mannheim, Germany, Richard D. Lane, MD, PhD, Department of Psychiatry, University of Arizona, Tucson, AZ, Julian F. Thayer, PhD, Department of Psychology, The Ohio State University, Columbus, OH, Joachim E. Fischer, MD, Mannheim Institute of Public Health, University of Heidelberg, Mannheim, Germany

275) Abstract 1375

TREATMENT OF SLEEP DISTURBANCE IN PATIENTS WITH TBI

Adekola Alao, MD, Department of Psychiatry, SUNY Upstate, Syracuse, Syracuse, NY, shilpa sachdeva, MD, Psychiatry, SUNY Upstate, Syracuse, Syracuse, NY

276) Abstract 1368

EFFECTS OF CUMULATIVE STRESS ON STRESS RESPONSIVE SYSTEMS: RESULTS FROM A POPULATION BASED COHORT STUDY

Sonja L. van Ockenburg, BSc, Lineke M. Tak, MD, Interdisciplinary Center Psychiatric Epidemiology, Stephan J. Bakker, MD, PhD, Rijk O. Gans, MD, PhD, Department of internal medicine, Peter de Jonge, PhD, Judith G. Rosmalen, PhD, Interdisciplinary Center Psychiatric Epidemiology, University Medical Center Groningen, Groningen, The Netherlands

277) Abstract 1414

CHILDHOOD SOCIOECONOMIC STATUS IS ASSOCIATED WITH ADULT SLEEP STRUCTURE

Lianne M. Tomfohr, B.A., Sonia Ancoli-Israel, Ph.D., Joel E. Dimsdale, M.D., Psychiatry, University of California, San Diego, La Jolla, CA

278) Abstract 1662

PERCEIVED DISCRIMINATION, OPTIMISM, CYNICISM & CARDIOVASCULAR REACTIVITY TO ANGER RECALL IN AFRICAN AMERICANS (AA) WITH SICKLE CELL DISEASE (SCD): II. EFFECTS ON CLINICAL COURSE

Michael V. Stanton, B.A., Psychology and Neuroscience, Duke University, Durham, NC, Frederick B. Bartholomew, B.A., Comprehensive Sickle Cell Center, Duke University Hospital, Durham, NC, Charles R. Jonassaint, Ph.D., Duke Institute for Genome Sciences & Policy, Duke University, Durham, NC, Michael J. Helms, B.A., Redford B. Williams, MD, Psychiatry, Duke University Med Center, Durham, NC

279) Abstract 1108

CARDIAC AUTONOMIC FUNCTION BEFORE AND AFTER ENDOSCOPIC THORACIC SYMPATHOTOMY FOR HYPERHIDROSIS

John E. Schmidt, PhD, Psychiatry and Psychology, Tasha L. Pike, BS, College of Medicine, John L. Atkinson, MD, Neurosurgery, Robert D. Fealey, MD, Neurology, Nisha Charkoudian, PhD, John H. Eisenach, MD, Anesthesiology, Mayo Clinic, Rochester, MN

280) Abstract 1630

MODELLING THE EFFECT OF STRESS ON CHRONIC FATIGUE SYNDROME

Urs M. Nater, PhD, Brian Gurbaxani, PhD, Christine Heim, PhD, William C. Reeves, MD, Centers for Disease Control and Prevention, Atlanta, GA

281) Abstract 1027

PATTERNS OF CHANGE IN AFFECT AND ADRENOCORTICAL ACTIVITY OVER EXTENDED PERIODS OF SMOKING ABSTINENCE

Motohiro Nakajima, Ph.D., Mustafa al'Absi, Ph.D., Behavioral Sciences, University of Minnesota Medical School, Duluth, Minnesota

282) Abstract 1607

IS MINDFULNESS RELATED TO LOWER PSYCHOLOGICAL DISTRESS, INFLAMMATION AND INSULIN RESISTANCE FOLLOWING SUCCESSFUL WEIGHT LOSS?

Jeffrey M. Greeson, PhD, Daniel M. Webber, MS, Psychiatry, Duke University Medical Center, Durham, NC, Michael J. Baime, MD, Medicine, University of Pennsylvania, Philadelphia, PA, Linda Sanders, MPH, General Internal Medicine, Ruth Q. Wolever, PhD, Psychiatry, Duke University Medical Center, Durham, NC

283) Abstract 1175

INSTRUCTIONAL MANIPULATIONS IN WRITTEN EMOTIONAL DISCLOSURE INTERVENTIONS: AN EXPERIMENTAL TEST OF CONTENT EFFECTS ON CORTISOL, MOOD, AND LINGUISTIC CONTENT

Deborah Nazarian, PhD, Sierra Pacific MIRECC, VA Palo Alto, Stanford University School of Medicine, Palo Alto, CA, Joshua M. Smyth, PhD, Psychology, Syracuse University, Syracuse, NY

284) Abstract 1004

LEPTIN MODERATES THE EFFECT OF STRESS ON SNACK INTAKE IN OBESE WOMEN

Bradley M. Appelhans, PhD, Basic Medical Sciences, University of Arizona, College of Medicine-Phoenix, Phoenix, AZ

285) Abstract 1290

THE RELATIONSHIP BETWEEN PSYCHOMOTOR VIGILANCE PERFORMANCE AND QUALITY OF LIFE IN OBSTRUCTIVE SLEEP APNEA

In-Soo Lee, MD, Joel E. Dimsdale, MD, Psychiatry, University of California San Diego, La Jolla, CA

286) Abstract 1660

THE INFLUENCE OF SOCIAL COMPARISONS ON HEALTH

Danielle Arigo, M.S., Joshua M. Smyth, Ph.D., Psychology, Syracuse University, Syracuse, NY, Jerry M. Suls, Ph.D., Psychology, University of Iowa, Iowa City, Iowa

287) Abstract 1551

PERCEIVED SOCIAL SUPPORT, DEPRESSION, AND SURVIVAL OF PATIENTS WITH CHRONIC HEART FAILURE

Daniel A. Freedman, BA, Psychiatry, Duke University School of Medicine, Durham, NC, Wei Jiang, MD, Psychiatry, Duke University School of Medicine, Durham, North Carolina, Shelby N. Ladd, BA, Psychiatry, Maragatha Kuchibhatla, PhD, Biostatistics and Bioinformatics, Christopher M. O'Connor, MD, Michael S. Cuffe, MD, Cardiology, Ranga Krishnan, MB, CHB, Psychiatry, Duke University School of Medicine, Durham, NC

288) Abstract 1278

PROSPECTIVE RISK MARKERS FOR CHRONIC FATIGUE SYNDROME IN THE 1958 BRITISH BIRTH COHORT

Charlotte Clark, PhD, Laura Goodwin, PhD, Stephen A. Stansfeld, PhD, Centre for Psychiatry, Barts & the London School of Medicine, London, United Kingdom, Matthew Hotopf, PhD, Department of Psychological Medicine, Institute of Psychiatry, London, United Kingdom, Peter D. White, PhD, Centre for Psychiatry, Barts & the London School of Medicine, London, United Kingdom

6:30 - 8:00 pm

SPECIAL INTEREST GATHERINGS

Mt. Hood Room

Clinician's Interests

The Clinician's happy hour welcomes all practicing clinicians. It will provide an opportunity to share your experience in the practice of Psychosomatic Medicine and discuss how to incorporate the knowledge from this APS meeting in your clinical work and research.

Ethnic Disparities

This special interest happy hour is for those with research and/or clinical interests in understanding ethnic disparities in health. The happy hour format provides an opportunity to informally chat with researchers and clinicians with similar interests in ethnic health disparities

Neuroscience and Psychosomatic Medicine

This informal get together will provide clinicians and researchers the opportunity to exchange ideas. The recipient of the Paul D. MacLean Award and the MacLean Scholars have been invited to participate.

Psychoneuroimmunology

This special interest happy hour will provide researchers currently working in the field of PNI and those new to this area of study the opportunity to exchange research ideas in an informal and interactive setting.

Saturday, March 13, 2010

7:00 am - 5:00 pm **REGISTRATION** *Ballroom Foyer*
A light continental breakfast will be served from 7:30 to 8:30 am.

7:00 - 8:00 am **ROUNDTABLE BREAKFAST/COMMITTEE MEETING**

Emerging Emotion Regulation Interventions for Chronic Pain *Columbia Room*
Facilitators: Mark Lumley, PhD; Howard Schubiner, MD; Alex Zautra, PhD; and Mary Davis, PhD
Early career panelists will describe their professional trajectories in academia to date and field questions regarding early career decisions. The session will include discussion of different types of academic settings and positions, academic job search strategies, and keys to success during the transition to post-graduate employment.

2010/2011 Program Committee Meeting *Medford Room*
Chair: Joshua M. Smyth, PhD

8:00 - 9:00 am **BUSINESS MEETING** *Salon F/G/H/I*

9:00 - 9:55 am **PLENARY SESSION** *Salon F/G/H/I*



Thomas Pickering

President's Award
A Tribute to Dr. Thomas Pickering:
Review of Distinguished Scientific Achievement
Chair: William Gerin, PhD
Speakers: Neil Schneiderman, PhD; Joel Dimsdale, MD; and Peter Kaufmann, PhD

TOM AND NEAL: PARTNERS IN CLINICAL/TRANSLATIONAL RESEARCH
Neil Schneiderman, PhD

CLINICAL CONTRIBUTIONS OF TOM PICKERING
Joel Dimsdale, MD

THOMAS PICKERING: PHYSICIAN, SCIENTIST, ROLE MODEL, FRIEND
Peter Kaufmann, PhD

10:00 - 10:15 am **BREAK**

10:15 - 11:30 am **CONCURRENT SESSIONS**

Symposium 1035: Current Perspectives on Stress, Sleep and Health: Evidence from Experimental Studies and Randomized Clinical Trials *Salon F*
Chair: Martica Hall, PhD

Individual Abstract Number: 1281
STRESS AND SLEEP: PREDICTORS OF FAILURE TO RECOVER
Alena T. Ellis, MA, Wolfgang Linden, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

Individual Abstract Number: 1283
EFFICACY OF BEHAVIORAL AND PHARMACOLOGICAL SLEEP TREATMENTS IN MILITARY VETERANS WITH POST-DEPLOYMENT ADJUSTMENT DISORDERS: PRELIMINARY FINDINGS
Anne Germain, PhD, Eric A. Nofzinger, M.D., Psychiatry, University of Pittsburgh, Pittsburgh, PA

Individual Abstract Number: 1573

EFFICACY OF A STRESS MANAGEMENT AND HEALTHY SLEEP PRACTICES INTERVENTION FOR IMPROVING HEALTH AND FUNCTIONING IN DEMENTIA CAREGIVERS

Martica Hall, Ph.D., Psychiatry, Psychology, University of Pittsburgh, Pittsburgh, PA

Paper Session 11 - Aging

Salon B/C

Chair: Tara Gruenewald, PhD

Abstract 1541

AGING BELIEFS AND AGE STEREOTYPE PRIMING PREDICT OLDER ADULTS' STRESS REACTIVITY TO MEMORY TESTS

Kathi L. Heffner, Ph.D., Rochester Center for Mind-Body Research, Psychiatry, University of Rochester, Rochester, NY, Julie A. Suhr, Ph.D., Huey M. Ng, M.S., Petya Demireva, M.S., Christopher R. France, Ph.D., Psychology, Ohio University, Athens, OH, Gailen D. Marshall, MD, Ph.D., Medicine/Clinical Immunology and Allergy, University of Mississippi Medical Center, Jackson, MS

Abstract 1217

DYNAMICS OF SELF-REPORTED HEALTH IN OLDER ADULTHOOD: THE ROLE OF POSITIVE AND NEGATIVE AFFECT

Suzanne C. Segerstrom, PhD, Department of Psychology, University of Kentucky, Lexington, KY

Abstract 1064

MINDFULNESS BASED STRESS REDUCTION FOR OLDER ADULTS: PERCEIVED STRESS, DEPRESSION, IL-6, AND GENDER

Jennifer M. Knight, MD, Benjamin P. Chapman, PhD, Nancy L. Talbot, PhD, Psychiatry, Michael S. Krasner, MD, Internal Medicine, Wan Tang, PhD, Biostatistics, Jan A. Moynihan, PhD, Psychiatry, University of Rochester Medical Center, Rochester, NY

Abstract 1626

AGING AMPLIFIES THE EFFECT OF NEGATIVE AFFECT ON BEDTIME CORTISOL

Jennifer R. Piazza, Ph.D., Robert S. Stawski, Ph.D., Human Development and Family Studies, Pennsylvania State University, University Park, PA, Susan T. Charles, Ph.D., Psychology and Social Behavior, University of California, Irvine, Irvine, CA, David M. Almeida, Ph.D., Human Development and Family Studies, Pennsylvania State University, University Park, PA

Symposium 1124: Stress and Health in Black South Africans: The Sympathetic Activity and Ambulatory Blood Pressure in Africans (SABPA) Study

Salon D

Chair: Leoné Malan, PhD

Individual Abstract Number: 1125

STRESS, COPING BEHAVIOUR AND THE PSYCHOLOGICAL WELL-BEING OF A GROUP OF SOUTH AFRICAN TEACHERS: THE SABPA STUDY

Johan Potgieter, PhD, Health Sciences, North-West University, Potchefstroom, Potchefstroom, South Africa

Individual Abstract Number: 1126

ACTIVE COPING, STROKE RISK FACTORS AND TARGET ORGAN DAMAGE: THE SABPA STUDY

Leoné Malan, PhD, Physiology, Nutrition and Consumer Sciences, North-West University, Potchefstroom, Potchefstroom, South Africa

Individual Abstract Number: 1127

POSSIBLE RESILIENCE AND SUSCEPTIBILITY FACTORS RELATED TO OXIDATIVE STRESS AND THE DEVELOPMENT OF DEPRESSION IN MALE AND FEMALE BLACK AFRICANS: THE SABPA STUDY

Brian H. Harvey, PhD, Pharmacology, North West University, Potchefstroom, Potchefstroom, South Africa

Individual Abstract Number: 1128

PLASMA RENIN RESPONSES TO MENTAL STRESS AND CAROTID INTIMA MEDIA THICKNESS IN BLACK AFRICANS: THE SABPA STUDY

Mark Hamer, PhD, Epidemiology and Public Health, University College London, London, London, United Kingdom

Paper Session 12 - Stress and Cancer

Salon A

Chair: Deidre Pereira, PhD

Abstract 1094

PRE-SURGICAL STRESS MANAGEMENT IMPROVES POST-OPERATIVE IMMUNE FUNCTION IN MEN WITH PROSTATE CANCER

Lorenzo Cohen, PhD, Patricia Parker, PhD, Luis Vence, PhD, Cheryln Savary, PhD, Diane Kentor, BS, Curtis Pettaway, MD, Richard Babaian, MD, M. D. Anderson Cancer Center, Houston, TX, Brian Miles, MD, Baylor College of Medicine, Houston, TX, Qi Wei, MS, Leslie Griffin, BS, Tejal Patel, BS, Laszlo Radvanyi, PhD, M. D. Anderson Cancer Center, Houston, TX

Abstract 1396

A RANDOMIZED CONTROLLED TRIAL OF EMOTIONALLY EXPRESSIVE WRITING FOR WOMEN WITH METASTATIC BREAST CANCER

Carissa A. Low, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Annette L. Stanton, PhD, Psychology, Psychiatry, Julianne E. Bower, PhD, Lauren Gyllenhammer, BS, Psychology, UCLA, Los Angeles, CA

Abstract 1446

SOCIAL INFLUENCES ON STRESS, CORTISOL, ALLOSTATIC LOAD AND VEGF IN GYNECOLOGIC CANCER

Elizabeth Lush, M.S., Psychological and Brain Sciences, University of Louisville, Louisville, KY, Inka Weissbecker, Ph.D., School of Public Health, Harvard University, Boston, MA, Andrea Floyd, Ph.D., Psychology, East Tennessee State University, Johnson City, TN, Eric Dedert, Ph.D., Durham VA Medical Center; Psychiatry & Behavioral Sci, Duke University Medical Center, Durham, NC, Emily Eismann, B.A., Paul Salmon, Ph.D., Sandra E. Sephton, Ph.D., Psychological & Brain Sciences, University of Louisville, Louisville, KY

Abstract 1726

CHRONIC STRESS AND CANCER PROGRESSION: IN VIVO OPTICAL IMAGING TO TRACK NEURAL REGULATION OF BREAST CANCER METASTASIS

Erica K. Sloan, Ph.D., Semel Institute for Neuroscience and Human Behavior, University of California, Los Angeles, Los Angeles, CA, Matthew Pimentel, Semel Institute, University of California, Los Angeles, Los Angeles, CA, Jesusa Arevalo, B.S., Steve W. Cole, Ph.D., Hematology-Oncology, University of California Los Angeles, Los Angeles, CA

11:30 am - 12:45 pm

ROUNDTABLE LUNCHESES/ COMMITTEE MEETINGS (or lunch on your own)

Using Actigraphy to Measure Sleep

Salmon Room

Facilitator: Martica Hall, PhD

Researchers and clinicians in the field of psychosomatic medicine have begun to appreciate the potential role of sleep in health and functioning, as evidenced by the growing number of publications in this area. The goal of this roundtable discussion is to describe wrist actigraphy as a tool for quantifying sleep or, more accurately, rest-activity patterns. Actigraphs are small, lightweight devices the size of a wristwatch that contain an accelerometer that measures movement. For sleep studies, actigraphs are typically worn on the non-dominant wrist for a number of days and data are stored in 30- or 60-second epochs. Activity count data are then used to characterize rest-activity patterns and these patterns are used to infer specific attributes of sleep such as sleep duration and fragmentation. In this roundtable, we will discuss the pro's and con's of using actigraphy to measure sleep, including the correspondence between sleep measures derived from actigraphy with self-report and polysomnographic measures of sleep. If time allows, we will also discuss wrist actigraphy as a clinical tool. The format of the presentation will be informal to encourage questions and discussion amongst roundtable attendees.

Resilience Factors in Psychosomatic Research

Sunstone Room

Facilitators: Afton L. Hassett, PsyD and Sarah Pressman, PhD

Increasingly program announcements from the NIH declare an interest in evaluating not only risk, but *resilience* factors as well. Therefore, the focus of our discussion will be to explore how best to heed this call in the context of psychosomatic research.

Professional Education Committee Meeting

Douglas Fir/Meadowlark Room

Chairs: Jason Satterfield, PhD and Daichi Shimbo, MD

12:45 - 3:30 pm

AWARDS SERIES



Tor D. Wager



Daniel Clauw



Anna Phillips

PAUL D. MACLEAN AWARD PRESENTATION: BRAIN VALUE SYSTEMS AND PSYCHOPHYSIOLOGY: A NEW LOOK AT HUMAN EMOTION

Chair: Richard Lane, MD, PhD

Speaker: Tor D. Wager, PhD

Paul MacLean's legacy is his fundamental contribution to the integrated physiology of emotion. He was deeply concerned with emotion and affective processes—their teleology, their genesis in the brain, and their effects on the body. His ideas were in some sense ahead of their time: Emotion was largely eschewed during the decades of the cognitive science and cognitive neuroscience movements. However, the last 15 years have seen a resurgence in work on affective processes and their effects on behavior, perception, action, and physical and mental disorders. This research provides new insight into the brain representation of pain and pleasure (and the more complex emotions to which they give rise), and how they shape peripheral physiology through brain-body pathways. In this talk, I present results from human neuroimaging studies suggesting that there are dissociable, “vertically integrated” circuits for representing appetitive and aversive value. These circuits span the prefrontal cortex, subcortical telencephalon (particularly the amygdala and ventral striatum/pallidum), and brainstem. They are intimately involved in a number of functions central to the “self.” Overlapping, but dissociable, circuits shape learning from positive and negative outcomes. The same circuitry is critical for translating abstract, cognitive representations of threat into autonomic and endocrine responses. It enables us to project into the future, to form and experience threats and rewards that have not yet occurred. And, finally, it provides an interface between volitional thought and otherwise autonomous affective processes, and thus makes possible the voluntary regulation of emotion and the body. The scientific study of these circuits in the intact human brain is a new frontier in the study of psychosomatic processes, and an approach likely to yield new insights into the contributions of the brain/mind to health and disease.

ALVIN P. SHAPIRO AWARD PRESENTATION: CHRONIC PAIN - IT REALLY IS ALL IN THEIR HEAD

Chair: Matthew F. Muldoon, MD, MPH

Speaker: Daniel Clauw, MD

HERBERT WEINER EARLY CAREER AWARD PRESENTATION: AGEING AND ANTIBODIES: PSYCHOLOGICAL FACTORS AND IMMUNITY ACROSS THE LIFE COURSE

Chair: Shari R. Waldstein, PhD

Speaker: Anna Phillips, PhD

3:30 - 3:45 pm

BREAK

3:45 - 5:00 pm

CONCURRENT SESSIONS

Symposium 1023: How Can we Impact Community Clinical Practice? The Challenge of Dissemination

Salon B/C

Chair: Joan E. Broderick, PhD

Individual Abstract Number: 1088

WHERE IS THE EVIDENCE-BASE FOR BEHAVIORAL MEDICINE INTERVENTIONS?

Karina W. Davidson, PhD, Medicine & Psychiatry, Columbia University Medical Center, New York, New York

Individual Abstract Number: 1101

IMPACTING THE MARKETPLACE: DISSEMINATION RESEARCH

Joan E. Broderick, PhD, Psychiatry, Stony Brook University, Stony Brook, New York

Individual Abstract Number: 1130

SHOW ME THE SAVINGS

Thomas McLaughlin, ScD, Department of Pediatrics and Psychiatry, University of Massachusetts Medical School, Worcester, MA

Individual Abstract Number: 1100

ARE THERE EXAMPLES OF SUCCESSFUL IMPLEMENTATION OF COLLABORATIVE CARE MODELS?

Wayne Katon, MD, Psychiatry, University of Washington, Seattle, WA

**Symposium 1310: Medically Unexplained Symptoms:
New Evidence from Symptom Perception Research**

Chair: Omer Van den Bergh, PhD and Jos F. Brosschot, PhD

Individual Abstract Number: 1393

SYMPTOM REPORTING AND ILLUSORY TOUCH IN THE SOMATIC SIGNAL DETECTION TASK:
IMPLICATIONS FOR MEDICALLY UNEXPLAINED SYMPTOMS

Richard J. Brown, PhD, Kirsten J. McKenzie, PhD, Ellen Poliakoff, PhD, Donna M. Lloyd, PhD, School of Psychological Sciences, University of Manchester, Manchester, Greater Manchester, United Kingdom

Individual Abstract Number: 1318

ABNORMAL BRAIN ACTIVITY IN INTEROCEPTIVE AND PAIN MODULATORY REGIONS IN FUNCTIONAL DYSPEPSIA

Lukas Van Oudenhove, PhD, Jan Tack, PhD, Pathophysiology, University of Leuven, Leuven, Vlaams-Brabant, Belgium

Individual Abstract Number: 1352

CHANGING PAIN TOLERANCE WITH UNCONSCIOUS ILLNESS MEMORY

Esther E. Meerman, M.Sc., Bart Verkuil, M.Sc., Jos F. Brosschot, Ph.D., Clinical, Health and Neuropsychology, Leiden University, Leiden, ZH, The Netherlands

Individual Abstract Number: 1353

ABERRANT PERCEPTUAL-COGNITIVE PROCESSING OF DYSPNEIC EPISODES IN PATIENTS WITH MEDICALLY UNEXPLAINED DYSPNEA

Omer Van den Bergh, PhD, Katleen Bogaerts, PhD, Steven De Peuter, PhD, Ilse Van Diest, PhD, Department of Psychology, University of Leuven, Leuven, Belgium, Belgium

Paper Session 13 - Depression and Health

Chair: Michele Okun, PhD

Abstract 1686

PREDICTIVE VALUE OF DEPRESSION FOR ACUTE RENAL FAILURE AND CLINICAL KIDNEY DISEASE PROGRESSION: THE CARDIOVASCULAR HEALTH STUDY

Willem J. Kop, Stephen L. Seliger, Jeffery C. Fink, MD, Medicine, University of Maryland, Baltimore, MD, Ronit Katz, PhD, Biostatistics, University of Washington, Seattle, WA, Michelle Odden, PhD, Medicine, UCSF, San Francisco, CA, Linda F. Fried, MD, Medicine, VA Pittsburgh Medical Center, Pittsburgh, PA, Dena E. Rifkin, MD, Mark J. Sarnak, Medicine, Tufts University, Boston, MA, John S. Gottdiener, MD, Medicine, University of Maryland, Baltimore, MD

Abstract 1429

SHORT-TERM COURSE OF DEPRESSION AFTER ACUTE CORONARY SYNDROME

Kenneth E. Freedland, PhD, Robert M. Carney, PhD, Brian C. Steinmeyer, M.S., Rebecca L. Reese, MA, Psychiatry, Washington University School of Medicine, St Louis, MO

Abstract 1182

THE ASSOCIATION BETWEEN INFLAMMATION DURING ACUTE CARDIAC EVENTS AND THE DEVELOPMENT OF SOMATIC AND AFFECTIVE SYMPTOMS OF DEPRESSION

Andrew Steptoe, DSc, Epidemiology and Public Health, University College London, London, UK, Nadine Messerli-Burgy, PhD, Clinical Psychology and Psychotherapy, University of Berne, Berne, Switzerland, Gerard J. Molloy, PhD, Psychology, University of Stirling, Stirling, Scotland, Anna Wikman, PhD, Gemma Randall, MSc, Epidemiology and Public Health, University College London, London, UK, Linda Perkins-Porras, PhD, Community Health Sciences, St. George's, University of London, London, UK

Abstract 1162

STABILITY OF MENTAL STRESS-INDUCED HEMODYNAMIC AND AUTONOMIC REACTION DESPITE SUCCESSFUL TREATMENT FOR MAJOR DEPRESSION

Christoph Herrmann-Lingen, Prof. Dr. med., Psychosomatic Medicine, University of Göttingen Medical Centre, Göttingen, Niedersachsen, Germany, Jana Lomb, MS, Psychosomatic Medicine, University of Marburg, Marburg, Hessen, Germany, Tilmann Schunk, Dipl Psych, Psychology in Neurology, Hardtwaldklinik I, Bad Zwesten, Hessen, Germany

Abstract 1288

STRUCTURAL AND FUNCTIONAL NEURAL CORRELATES OF MAJOR DEPRESSION IN INDIVIDUALS WITH A HISTORY OF BLAST-RELATED CONCUSSION

Scott C. Matthews, M.D., Irina A. Strigo, Ph.D., Alan N. Simmons, Ph.D., Psychiatry, University of California San Diego, San Diego, CA

5:00 - 6:15 pm

POSTER SESSION 3

Salon E and Foyer

289) Abstract 1546

CLOTHESPIN-ALGOMETRY: A METHOD TO DISTINGUISH PAIN

Niklaus Egloff, MD, Nicole Klingler, MS, Marie-Louise Gander, MD, Roland von Känel, MD, Psychosomatic Division, Inselspital, University Hospital of Bern, Bern, Switzerland, Michele Curatolo, MD, Anesthesiology Division, Inselspital, University Hospital Bern, Bern, Switzerland, Elizabeth Marti, MD, Orthopedics Departement, Rafael J. A. Cámara, MD, Psychosomatic Division, Inselspital, University Hospital of Bern, Bern, Switzerland

290) Abstract 1471

EXERCISE MODERATES METABOLIC RISK IN ALZHEIMER'S CAREGIVERS

Roland von Känel, MD, General Internal Medicine, University Hospital Bern, Bern, Switzerland, Brent T. Mausbach, PhD, Joel E. Dimsdale, PhD, Paul J. Mills, PhD, Thomas L. Patterson, PhD, Sonia Ancoli-Israel, PhD, Psychiatry, Michael G. Ziegler, MD, Medicine, Susan K. Roepke, MS, Psychiatry, Matthew Allison, MD, Family and Preventive Medicine, Igor Grant, MD, Psychiatry, University of California San Diego, La Jolla

291) Abstract 1274

AFFECTIVE FACTORS AND THE CORTISOL AWAKENING RESPONSE IN FIBROMYALGIA

Afton L. Hassett, Psy.D., Medicine, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ, Angela Clow, Ph.D., Psychology, University of Westminster, London, England, David A. Williams, Ph.D., Daniel J. Clauw, MD, Anesthesiology, University of Michigan, Ann Arbor, MI

292) Abstract 1141

CHILDHOOD SOCIAL OSTRACISM IN FIBROMYALGIA

Afton L. Hassett, Psy.D., Medicine, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ, Robert S. Katz, MD, Medicine, Susan Shott, Ph.D., Biostatistics, Rush-Presbyterian-St. Luke's Medical Center, Chicago, IL

293) Abstract 1758

EXECUTIVE ATTENTION MODERATES THE ASSOCIATION BETWEEN TRAIT WORRY AND STRESS RECOVERY

Lindsay M. Vaux, BS, Paula G. Williams, PhD, Holly K. Rau, BS, Matthew Cribbet, BS, Heather Gunn, PhD, Psychology, University of Utah, Salt Lake City, Utah

294) Abstract 1359

THE EFFECT OF ANXIETY SENSITIVITY ON POST-EXERCISE CARDIOVASCULAR RECOVERY IN MEN AND WOMEN

Jennifer L. Gordon, BSc, Psychology, McGill University, Montreal, Quebec, Canada, Kim L. Lavoie, PhD, Psychology, Université du Québec à Montréal, Montreal, Quebec, Canada, André Arseneault, MD, Nuclear Medicine, Montreal Heart Institute, Montreal, Quebec, Canada, Blaine Ditto, PhD, Psychology, McGill University, Montreal, Quebec, Canada, Simon L. Bacon, PhD, Exercise Science, Concordia University, Montreal, Quebec, Canada

295) Abstract 1449

EFFECTS OF ACUTE STRESS ON ADRENOCORTICAL RESPONSE AND TASTE PERCEPTION

Stephanie A. Hooker, B.A.S., Mustafa al'Absi, Ph.D., Motohiro Nakajima, Ph.D., Tiffany Cragin, M.S., Rachel Krambeer, University of Minnesota Medical School, Duluth, MN

296) Abstract 1338

B-TYPE NATRIURETIC PEPTIDE REACTIVITY TO MENTAL STRESS AND EXERCISE

Sari D. Holmes, PhD, Kerry S. Whittaker, BA, Kristie M. Harris, BA, Medical and Clinical Psychology, Kim Forman, MD, Patricia A. Deuster, PhD, Military and Emergency Medicine, David S. Krantz, PhD, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD

297) Abstract 1600

ARE CHANGES IN CORTISOL ASSOCIATED WITH B LYMPHOCYTE DECREMENTS AMONG STRESSED STUDENTS?

Bonnie A. McGregor, PhD, Samuel T. Medick, BS, Jessica R. Holliday, BS, Denise Albano, MPH, Rachel M. Ceballos, PhD, Cancer Prevention Program, Public Health Sciences, Fred Hutchinson Cancer Research Center, SEATTLE, WA

298) Abstract 1720

PARENTAL DEPRESSION ASSOCIATED WITH CHILDREN'S DIURNAL CORTISOL

Leah L. Dickenson, M.A., Psychology, University of California, Irvine, Los Angeles, CA, Rena L. Repetti, Ph.D., Psychology, University of California, Los Angeles, Los Angeles, CA

299) Abstract 1707

DISSOCIATING THE CORRELATION BETWEEN ALEXITHYMIA AND ANXIETY

Glenda C. Prkachin, Ph. D., Julie A. Orlando, M. Sc., Kenneth M. Prkachin, Ph. D., Psychology, University Of Northern British Columbia, Prince George, British Columbia, Canada

300) Abstract 1412

THE PROLONGED CARDIAC EFFECTS OF PUBLIC SPEAKING: THE ROLE OF ANTICIPATORY WORRY

Bart Verkuil, PhD, Department of Clinical Psychology, Jos F. Brosschot, PhD, Department of Health Psychology, Leiden University, Leiden, the Netherlands, Julian F. Thayer, PhD, Department of Psychology, The Ohio State University, Columbus, Ohio

301) Abstract 1629

REPRESSOR SUBTYPE AND PERCEPTUAL DEFENCE

Nick Medford, MD, Psychiatry, Brighton and Sussex Medical School, Brighton, East Sussex, UK, Mauricio Sierra, PhD, Anna Logan, MD, Anthony S. David, MD, Psychological Medicine, Institute of Psychiatry, London, UK

302) Abstract 1782

KARASEK'S DEMAND / CONTROL MODEL, EMOTIONS AND HEALTH

Branka Zei-Pollermann, PHD, Vox Institute-Geneva, Geneva, Switzerland, Pierre Jacot, MA, Centre d'education permanente, Mont-sur-Lausanne, Switzerland

303) Abstract 1598

THE EFFECTS OF SOCIAL EVALUATION ON IMPLICIT EMOTION AND CARDIOVASCULAR REACTIVITY

Suman Lam, M.A., Sally S. Dickerson, Ph.D., Psychology and Social Behavior, University of California, Irvine, Irvine, CA

304) Abstract 1547

SOCIAL SUBORDINATION PREDICTS MALADAPTATION IN RATS AND KINDERGARTENERS: EFFECTS OF SOCIAL STATUS ON COGNITIVE PERFORMANCE AND STRESS HORMONE LEVELS

Katherine B. Saxton, MPH, School of Public Health, Matthew Reid, BA, Psychology, University of California, Berkeley, Berkeley, CA, Jelena Obradovic, Ph.D., School of Education, Stanford University, Stanford, CA, W. Thomas Boyce, MD, Human Early Learning Partnership, University of British Columbia, Vancouver, BC, Canada, Darlene D. Francis, Ph.D., Public Health, Psychology, Neuroscience, University of California, Berkeley, Berkeley, CA

305) Abstract 1733

THE EFFICACY OF GINGER FOR THE PREVENTION OF MOTION-INDUCED NAUSEA AND GASTRIC DYSRHYTHMIA

Max E. Levine, Ph.D., Danielle M. DeRusso, B.A., Jessica M. Tehan, B.A., Alicia L. Shafer, B.A., Psychology, Siena College, Loudonville, NY

306) Abstract 1123

PSYCHOTHERAPY FOR PSYCHOSOMATIC DISORDERS IS EQUALLY EFFECTIVE FOR PATIENTS IN A DAY CLINIC AS FOR IN-PATIENTS

Marzio E. Sabbioni, MD, Anne-Lise Jordi, MD, Elfriede Heide, MD, Markus Signer, MD, Michael Sonntag, MD, Marcel Fürer, MD, Rudolf A. Gerber, MD, Psychosomatic and Psychotherapeutic Medicine, Lindenhofspital, Bern, Switzerland

307) Abstract 1009

QUALITY IMPROVEMENT IN THE PSYCHIATRIC CONSULTATION-LIAISON SERVICE

Sibyl K. Simon, MD, Marie Tobin, MD, Daniel Yohanna, MD, Psychiatry, Anna Bower, APN, Department of Psychiatry, University of Chicago, Chicago, IL

308) Abstract 1789

FATHER & DAUGHTER: A PHENOMENOLOGICAL STUDY OF ADOLESCENT STRESS IN TWO GENERATIONS

Monika Torres, BS, Psychology, Antioch University Seattle, Seattle, WA

309) Abstract 1189

EMOTIONAL SUPPORT AMONG HISPANICS VARIES BY NATIONAL ORIGIN - EVIDENCE FROM A US NATIONAL SAMPLE

Kali R. Patterson, BA Psychology, Steven D. Barger, PhD, Psychology, Northern Arizona University, Flagstaff, AZ

310) Abstract 1751

BACKGROUND STRESS AS A CORRELATE OF PSYCHOPHYSIOLOGICAL AROUSAL IN WOMEN: AN OVERLOOKED SOURCE OF STRESS

Alexandra L. Terrill, MS, John P. Garofalo, Ph.D., Heather Reppeto, Psychology, Washington State University, Vancouver, WA

311) Abstract 1698

THE WORLD IS NOT JUST BLACK AND WHITE: HISPANIC UNDERREPRESENTATION IN MEDICAL RESEARCH

John M. Ruiz, Ph.D., Erin E. Kauffman, BA, Courtney C. Prather, BA, Lauren M. Smith, MA, Psychology, University of North Texas, Denton, Texas

312) Abstract 1674

SLEEP COMPLAINTS LONGITUDINALLY INCREASE THE ODDS OF POOR SELF-RATED HEALTH: RESULTS FROM THE MIDUS STUDY

Elliot Friedman, PhD, Carol Ryff, PhD, Institute on Aging, University of Wisconsin, Madison, WI

313) Abstract 1622

CORRELATION IN PSYCHOSOMATIC RESEARCH: DO WE REGULARLY UNDERESTIMATE THE TRUE EFFECTS?

Andreas Cordes, Dipl.-Psych., Psychosomatics, Göttingen University, Göttingen, Germany

314) Abstract 1017

SURVEY OF KNOWLEDGE, ACT AND BEHAVIOUR ABOUT HOMOSEXUAL BEHAVIOUR

Andri Andri, MD, Mental Health, Krida Wacana Faculty of Medicine, Jakarta Barat, DKI Jakarta, Indonesia

315) Abstract 1645

THE PREDICTIVE UTILITY OF ECOLOGICAL MOMENTARY ASSESSMENT MEASURES VERSUS RETROSPECTIVE SELF-REPORT MEASURES: A QUALITATIVE LITERATURE REVIEW

Desiree J. Zielke, M.S., Jesse C. Stewart, Ph.D., Psychology, Indiana University-Purdue University Indianapolis, Indianapolis, IN

316) Abstract 1709

ARE THE AFFECTIVE AND CARDIOVASCULAR EFFECTS OF TALKING ABOUT RACISM MODERATED BY THE LEVEL OF PAST EXPOSURE TO RACISM?

Nisha A. ver Halen, MA, Psychology, St. John's University, Jamaica, New York, Elizabeth Brondolo, Ph.D., Psychology, St. John's University, Jamaica, New York

317) Abstract 1584

RELIGION AS A MODERATOR OF CARDIOVASCULAR REACTIVITY IN PATIENTS WITH DEPRESSION

Hefti René, M.D., Psychosomatic Medicine, Clinic SGM, Langenthal, Switzerland

318) Abstract 1673

SLEEP QUALITY IS ASSOCIATED WITH DEGREE OF ACTIVATION IN PLASMA STIMULATED NAÏVE NEUTROPHILS

Bassem M. Shoucri, B.S., Bioengineering, Kate M. Edwards, Ph.D., Psychiatry, Geert W. Schmid-Schonbein, Ph.D., Bioengineering, Paul J. Mills, Ph.D., Psychiatry, University of California, San Diego, La Jolla, CA

319) Abstract 1334

EFFECTS OF AEROBIC FITNESS, BMI AND ABDOMINAL ADIPOSITIVITY ON INFLAMMATORY BIOMARKERS IN INDIVIDUALS WITH ELEVATED BLOOD PRESSURE

Kathleen L. Wilson, MS, Julie Sadjja, MS, Kate Edwards, PhD, Laura Redwine, PhD, Suzi Hong, PhD, Joel E. Dimsdale, MD, Paul J. Mills, PhD, Psychiatry, UCSD, La Jolla, CA

320) Abstract 1190

ACUTE EFFECTS OF SATURATED AND UNSATURATED FATTY ACIDS ON CARDIOVASCULAR AND INFLAMMATORY RESPONSES

Katherine A. Sauder, BA, Elyse R. Johnston, BS, Biobehavioral Health, Pennsylvania State University, University Park, PA, Tavis S. Campbell, PhD, Psychology, University of Calgary, Calgary, AB, Canada, Ann C. Skulas-Ray, BS, Nutrition, Lisa F. Groves, BS, Sheila G. West, PhD, Biobehavioral Health, Pennsylvania State University, University Park, PA

321) Abstract 1122

EFFECTS OF ALZHEIMER CAREGIVING ON ALLOSTATIC LOAD

Susan K. Roepke, M.S., Clinical Psychology, SDSU/UCSD Joint Doctoral Program, La Jolla, CA, Brent T. Mausbach, Ph.D., Thomas L. Patterson, Ph.D., Psychiatry, University of California, San Diego, La Jolla, CA, Roland von Känel, M.D., General Internal Medicine, Inselspital, Bern University Hospital and University, La Jolla, CA, Sonia Ancoli-Israel, Ph.D., Alexandria L. Harmell, B.A., Joel E. Dimsdale, M.D., Psychiatry, University of California, San Diego, La Jolla, CA, Kirstin Aschbacher, Ph.D., Psychiatry, University of California, San Francisco, La Jolla, CA, Paul J. Mills, Ph.D., Psychiatry, Michael G. Ziegler, M.D., General Medicine, Matthew Allison, M.D., Family and Preventative Medicine, Igor Grant, M.D., Psychiatry, University of California, San Diego, La Jolla, CA

322) Abstract 1327

PERCEIVED STRESS IS ASSOCIATED WITH SUBCLINICAL CEREBROVASCULAR DISEASE IN OLDER ADULTS

Neelum T. Aggarwal, MD, Neurological Sciences, Rush University Medical Center, Chicago, IL, Cari J. Clark, ScD, Medicine, University of Minnesota, Minneapolis, MN, Todd Beck, MS, Denis A. Evans, MD, Carlos F. Mendes de Leon, PhD, Rush Institute for Healthy Aging, Rush University Medical Center, Chicago, IL, Charles DeCarli, MD, Neurology, University of California at Davis, Sacramento, CA, Susan A. Everson-Rose, PhD, Medicine, University of Minnesota, Minneapolis, MN

323) Abstract 1590

RELATIONSHIP BETWEEN SPIRITUALITY, PSYCHOLOGICAL STRESS AND QUALITY OF LIFE IN AFRICAN-AMERICAN BREAST CANCER SURVIVORS

Erica H. Williams, MHS, Basic and Biobehavioral Research Branch, National Cancer Institute, Bethesda, Maryland, Isaac M. Mwase, PhD, MPH, Office of the Director, National Cancer Institute, Rockville, Maryland, Richard Moser, PhD, Behavioral Research Branch, National Cancer Institute, Bethesda, Maryland, Pamela L. Carter-Nolan, PhD, MPH, Community and Family Medicine, Howard University College of Medicine, Washington, DC, Paige G. McDonald, Ph.D, MPH, Basic and Biobehavioral Research Branch, National Cancer Institute, Bethesda, Maryland

324) Abstract 1458

EFFECTS OF STRESS ON CANCER TREATMENT EFFECTIVENESS: A LITERATURE REVIEW OF ANIMAL MODELS

Shadia Kawa, MS, Jeffrey D. White, MD, OCCAM, National Cancer Institute, National Institutes of Health, Rockville, Maryland

325) Abstract 1431

FORGIVENESS AND STIGMA AS PREDICTORS OF HEALTH DISTRESS IN MEDICATION ADHERENT & NON-ADHERENT HIV-INDIVIDUALS

Thomas M. DeSena, MA, Mark Vosvick, PhD, Clinical Health Psychology, University of North Texas, Denton, Texas

326) Abstract 1171

CHILD ABUSE, TRAUMATIC STRESS, IMMUNE FUNCTION AND HIV SYMPTOM SEVERITY IN HIV-POSITIVE MEN

Susanne Lee, MPH, Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, Themis Yiaslas, MA, Clinical Psychology, PGSP-Stanford Psy.D. Consortium, Palo Alto, CA, Cheryl Koopman, PhD, Cheryl Gore-Felton, PhD, Psychiatry & Behavioral Sciences, Stanford University School of Medicine, Stanford, CA

327) Abstract 1467

ENGLISH HOSPITAL ADMISSIONS FOR NONSPECIFIC CHEST PAIN INCREASED FOLLOWING A BRITISH HEART FOUNDATION POSTER CAMPAIGN WHILE ADMISSIONS FOR CARDIOVASCULAR EVENTS FELL BEFORE THE END OF THE FINANCIAL YEAR

Stuart W. Derbyshire, Ph.D., Nicola L. Dennis, B.Sc., Andrew E. Welchman, Ph.D., School of Psychology, University of Birmingham, Edgbaston, West Midlands, UK

328) Abstract 1324

HYPOALGESIA AND STRESS-INDUCED ANALGESIA IN PREHYPERTENSIVE MEN AND WOMEN

Karen L. Petersen, PhD, Psychology, College of St. Scholastica, Duluth, MN, Mustafa al'Absi, PhD, Physiology, Behavioral Sciences, and Family Medicine, University of Minnesota School of Medicine, Duluth, MN

329) Abstract 1031

WHAT KINDS OF EXPERIENCES DO CHILDREN REPORT WHEN ASKED ABOUT "PAIN"?

Samantha Fuss, BA, Gabrielle Pagé, MA, Psychology, York University, Toronto, Ontario, Canada, Andrea Martin, MA, Psychology, York University, Toronto, Canada, Sarah Ritvo, BA, Suzy Malakhi, BSW, Joel Katz, Ph.D., Psychology, York University, Toronto, Ontario, Canada

330) Abstract 1090

THE EMBODIED EXPERIENCE OF FIBROMYALGIA

Nicola L. Dennis, MSc, Stuart W. Derbyshire, PhD, Michael Larkin, PhD, Psychology, University of Birmingham, Birmingham, England

331) Abstract 1057

EMOTIONAL DISTRESS, PAIN AND GOAL CONFLICT IN WOMEN WITH FIBROMYALGIA

Jaime Hardy, M.S., Psychology, Leslie Crofford, MD, Internal Medicine - Rheumatology, Suzanne Segerstrom, PhD, Psychology, University of Kentucky, Lexington, KY

332) Abstract 1684

WRITTEN EMOTIONAL DISCLOSURE: WHY ARE THERE GREATER BENEFITS FOR PATIENTS WITH FIBROMYALGIA THAN RHEUMATOID ARTHRITIS?

Alaa M. Hijazi, M.A., Mark A. Lumley, Ph.D, Psychology, Wayne State University, Detroit, MI, Mazy E. Gillis, Ph.D, Psychology, Wayne State University, Detroit, MI, U.S.A, Angelia Mosley-Williams, M.D., Internal Medicine, John Dingell VA Medical Center, detroit, mi, James C. Leisen, M.D., Medicine, Henry Ford Health System, detroit, mi

333) Abstract 1118

COPING PROCESSES AND THEIR ASSOCIATIONS WITH PSYCHOLOGICAL FUNCTIONING IN PATIENTS WITH ARTHRITIS

Amy Lowery, Ph.D., Memorial Sloan-Kettering Cancer Center, New York, NY, Diane C. Radvanski, MA, Shantal V. Savage, BA, Naomi Schlesinger, MD, Afton L. Hassett, Psy.D., Medicine, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ

334) Abstract 1138

THE RELATIONSHIP BETWEEN POSITIVE AND NEGATIVE AFFECT AND DISEASE VARIABLES IN ARTHRITIS

Amy Lowery, Ph.D., Memorial Sloan-Kettering Cancer Center, New York, NY, Diane C. Radvanski, MA, Shantal V. Savage, BA, Naomi Schlesinger, MD, Afton L. Hassett, Psy.D., Medicine, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ

335) Abstract 1364

THERAPEUTIC AND RESEARCH APPLICATIONS OF ECOLOGICAL MOMENTARY ASSESSMENT IN PATIENTS WITH SEVERE SOMATOFORM DISORDER

Myriam M. Lipovsky, MD, PhD, Martina E. Bühring, MD PhD, Altrecht Psychosomatic Medicine, Altrecht Mental Health Organization, Zeist, the Netherlands, Marjolijn J. Sorbi, PhD, Department of Clinical and Health Psychology, Utrecht University, Utrecht, the Netherlands

336) Abstract 1373

FACTOR ANALYSIS OF THE MMPI-2 CONTENT SCALES IN A CHRONIC PAIN POPULATION: EVIDENCE FOR A SOCIAL-COGNITIVE COMPONENT

Alexander Patterson, M.A., Jonathan Woodhouse, Psy.D., Jesse Frey, Psy.D., Mary Peterson, Ph.D., Dale Veith, Psy.D., Department of Clinical Psychology, George Fox University, Newberg, OR

337) Abstract 1587

COPING FLEXIBILITY IN WOMEN WITH FIBROMYALGIA AND HEALTHY CONTROLS

Erin M. Tooley, M.S., Jennifer Bernard, M.S., Alexis Ortiz, B.S., Hadass Fuerst, Rob Hoy, Haley Licha, Psychology, University of New Mexico, Albuquerque, NM

338) Abstract 1611

PERSONALITY, ILLNESS PERCEPTION AND ADJUSTMENT TO A CHRONIC DISEASE

Sylvie Pucheu, PhD, Silla M. Consoli, PhD, C-L Psychiatry, European Georges Pompidou Hospital, Paris, Ile de France, France, Dominique Cupa, PhD, Laboratory of Somatic and Identity Alterations, Paris Ouest La Defense University, Nanterre, Ile de France, France

339) Abstract 1456

ACCULTURATION FACTORS PROTECT AGAINST CENTRAL ADIPOSITY IN IMMIGRANT YOUTH

Elizabeth C. Quon, B.Sc., Jennifer J. McGrath, PhD, Pediatric Public Health Psychology PPHP Laboratory, Concordia University, Montréal, Québec, Canada

340) Abstract 1728

SLEEP DURATION IS ASSOCIATED WITH GLUCOSE METABOLISM IN OLDER ADULTS

Jessica D. McNeely, MA, Psychology, University of Maryland, Baltimore, MD, Leslie I. Katzel, MD, PhD, Medicine, University of Maryland, School of Medicine, Baltimore, MD, Shari R. Waldstein, PhD, Psychology, University of Maryland, Baltimore County, Baltimore, MD

341) Abstract 1463

MULTIDISCIPLINARY RESEARCH IN BIOFEEDBACK

Lamees Khorshid, PsyD, Psychiatry and Psychology, Dana L. Frank, BS, Cardiovascular Medicine, Jerry Kiffer, MA, Psychiatry and Psychology, Alex K. Grossman-McKee, Cardiovascular Medicine, Leopoldo Pozuelo, MD, Psychiatry and Psychology, Francois Bethoux, MD, Neurology, James B. Young, MD, Christine S. Moravec, PhD, Cardiovascular Medicine, Michael G. McKee, PhD, Psychiatry and Psychology, Cleveland Clinic, Cleveland, OH

342) Abstract 1801

THE IMPACT OF DEPRESSION ON THE QUALITY OF LIFE IN DYSPEPSIA PATIENTS : COMPARISON BETWEEN ORGANIC AND FUNCTIONAL GROUP

Sang-Yeol Lee, M.D., Ph.D., Psychiatry and Behavioral Medicine, University of Wonkwang Medical School, Iksan, Cheonbuk, Republic of Korea, Suck Che Choi, M.D., Ph.D., Gastroenterology, University of Wonkwang Medical School, Iksan, Cheonbuk, Republic of Korea

343) Abstract 1688

STRESS AND ABDOMINAL PAIN AFTER EXPOSURE TO A LABORATORY STRESSOR: PRELIMINARY ANALYSES OF PATIENTS WITH GASTROINTESTINAL ILLNESS

Genna Hymowitz, M.A., Psychology, Leighann Litcher-Kelly, Ph.D., Psychiatry, Stony Brook University, Stony Brook, NY

344) Abstract 1055

THE RELATIONSHIP BETWEEN PSYCHIATRIC DISORDERS AND INFLAMMATORY BOWEL DISEASE IN CHILDREN AND ADOLESCENTS

Parikshit A. Deshmukh, MD, Jeanne Lackamp, MD, Psychiatry, University Hospitals Case Medical Center, Cleveland, OH, Gaurav A. Kulkarni, MD, Child and Adolescent Psychiatry, Alumni of Indira Gandhi Medical College, Nagpur, India

345) Abstract 1276

IMPACT OF SELF-EFFICACY ON RISK FOR EXACERBATIONS IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD) PATIENTS

A Jacob, BA, Kim L. Lavoie, Ph.D, Psychology; Pneumology; Exercise Science; MBMC, C Laurin, PhD, Psychology; Pneumology; Exercise Science; MBMC, M Labrecque, MD, Psychology; Pneumology; Exercise Science; MBMC, UQAM; Hôpital du Sacré-Coeur de Montreal; Concordia, Montreal, Quebec, Canada, S L. Bacon, PhD, Psychology; Pneumology; Exercise Science; MBMC, UQAM; Hôpital du Sacré-Coeur de Montreal, Concordia, Montreal, Quebec, Canada

346) Abstract 1578

INCREASE IN AIRWAY INFLAMMATION FOLLOWING ACUTE PSYCHOSOCIAL STRESS AND ITS ASSOCIATION WITH CORTISOL LEVELS IN ASTHMA

Thomas Ritz, Ph.D., Psychology, Southern Methodist University, Dallas, TX, Erica S. Ayala, M. A., Ana F. Trueba, B.S., Antje Kullowatz, PhD., PSYCHOLOGY, Southern Methodist University, DALLAS, TEXAS, Charles D. Vance, MD, PhD., Richard J. Auchus, MD, PhD., Biomedical Sciences, UT SOUTH-WESTERN MEDICAL CENTER AT DALLAS, DALLAS, TEXAS

347) Abstract 1809

ASSOCIATIONS OF FAMILY ASTHMA MANAGEMENT WITH SOCIOECONOMIC STATUS AND BIOLOGICAL OUTCOMES IN CHILDREN WITH ASTHMA

Hope Walker, MA, Edith Chen, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

348) Abstract 1269

STRESS PREDICTS ASTHMA ONSET IN ADOLESCENTS

Nienke M. Vink, MD, Marika M. Boezen, PhD, Epidemiology, Dirkje S. Postma, MD, PhD, Pulmonology, Judith G. Rosmalen, PhD, Psychiatry, Internal Medicine, University Medical Center Groningen, Groningen, The Netherlands

349) Abstract 1504

ALTERED CARDIAC CONTRACTILITY IN INDIVIDUALS WITH SLEEP APNEA AND IMPROVEMENT WITH CPAP TREATMENT: A REPLICATION STUDY

Richard A. Nelesen, Ph.D., Psychiatry, Joel E. Dimsdale, M.D., Psychiatry, University of California, San Diego, La Jolla, CA

350) Abstract 1601

CAN SOMATIC AWARENESS BUFFER THE CARDIOVASCULAR RESPONSES TO STRESS IN WOMEN?
Jacob A. Bentley, M.A., Clinical Psychology, Barnali Basu, M.S., Lustyk Women's Health Lab, Kathleen B. Lustyk, Ph.D., Psychology, Seattle Pacific University, Seattle, WA, G. Alan Marlatt, Ph.D., Psychology, University of Washington, Seattle, WA

351) Abstract 1712

LONG-TERM PSYCHOLOGICAL OUTCOME OF WOMEN WITH PREGNANCY COMPLICATIONS
Claire Stramrood, MD, Obstetrics & Gynecology, University Medical Center Groningen, Groningen, The Netherlands, Ineke Wessel, PhD, Clinical and Developmental Psychology, University of Groningen, Groningen, The Netherlands, Bennard Doornbos, MD, University Center for Psychiatry, Jan G. Aarnoudse, MD PhD, Paul P. van den Berg, MD PhD, Willibrord Weijmar Schultz, MD PhD, Maria G. van Pampus, MD PhD, Obstetrics & Gynecology, University Medical Center Groningen, Groningen, The Netherlands

352) Abstract 1608

CAN PREMENSTRUAL SYMPTOMS, TRAIT ANXIETY, OR QUALITY OF LIFE REPORTS EXPLAIN LUTEAL PHASE INCREASES IN STRESS REACTIVITY IN WOMEN?
Susan J. Locke, Bachelor of Arts, Hilary A. Carpenter, Psychology, Seattle Pacific University, Seattle, Washington, Haley Douglas, B.S., M. Kathleen B. Lustyk, Ph.D., Psychology, Seattle Pacific University, Seattle, WA

353) Abstract 1574

SELF CIRCUMCISION; AN INCREASING TREND AMONG TEENAGERS?
Marcus DeCarvalho, MD, Adekola O. Alao, MD, MRCPsych, FAPM, Psychiatry, SUNY Upstate Medical University, Syracuse, NY

354) Abstract 1649

FATHERS WITH PTSD OR DEPRESSION AFTER A COMPLICATED PREGNANCY
Claire Stramrood, MD, Obstetrics & Gynecology, Marloes van Geenen, BSc, Groningen University, Bennard Doornbos, MD, University Center for Psychiatry, Jan G. Aarnoudse, MD PhD, Paul P. van den Berg, MD PhD, Willibrord Weijmar Schultz, MD PhD, Maria G. van Pampus, MD PhD, Obstetrics & Gynecology, University Medical Center Groningen, Groningen, The Netherlands

355) Abstract 1214

THE IMPACT OF WORRIES ON MENTAL HEALTH IN EXPECTANT PARENTS
Susanne N. Biehle, M.A., Kristin D. Mickelson, Ph.D., Psychology, Kent State University, Kent, Ohio

356) Abstract 1381

REPEATED SOCIAL DEFEAT STRESS INDUCES CHRONIC HYPERTHERMIA IN RATS
Takakazu Oka, M.D., Ph.D., Psychosomatic Medicine, Kyushu University, Fukuoka, Japan, Sota Hayashida, M.D., Takashi Mera, M.D., Ph.D., Sadatoshi Tsuji, Neurology, University of Occupational and Environmental Health, Kitakyushu, Japan

357) Abstract 1212

RELATIONSHIP BETWEEN CHRONIC SLEEP RESTRICTION AND HEALTH-RELATED QUALITY OF LIFE
Ali A. Weinstein, Ph.D., Lynn Gerber, M.D., Center for Study of Chronic Illness and Disability, George Mason University, Fairfax, VA, Juhi Moon, M.D., Jillian Kallman, M.S., Yun Fang, M.S., Center for Liver Diseases, Inova Health Care System, Falls Church, VA, Patrice Winter, M.S., P.T., Global and Community Health, George Mason University, Fairfax, VA, Dilana Moore, B.A., Blood Donor Services, Zobair Younossi, M.D., Center for Liver Diseases, Inova Health Care System, Falls Church, VA

358) Abstract 1095

EVENING CHRONOTYPE IS ASSOCIATED WITH DAYTIME DYSFUNCTION AND NEUROTICISM IN COLLEGE STUDENTS
David Domachowski, Lenny Costantini, Biology, Ryan Brindle, Amy Kimicata, Neuroscience, Catie Vance, Mathematics, Sarah Conklin, PhD, Neuroscience and Psychology, Allegheny College, Meadville, PA

359) Abstract 1312

DO WOMEN REPORT MORE BODILY SYMPTOMS THAN MEN BECAUSE THEY HAVE MORE ANXIETY AND DEPRESSIVE DISORDERS?
Barbara Tomenson, MSc, Francis Creed, MD, Psychiatry Research Group, University of Manchester, Manchester, UK

360) Abstract 1291

WRITTEN EMOTIONAL DISCLOSURE: A GUIDED PROTOCOL ENHANCES EFFECTS FOR PEOPLE WITH ALEXITHYmia

Dana C. Nevedal, M.A., Mark A. Lumley, PhD, Psychology, Wayne State University, Detroit, MI

361) Abstract 1793

WELL-BEING ENHANCING SELF-CARE PRACTICES: A TAXONOMIC QUALITATIVE ANALYSIS

Laurie M. Menk Otto, ND, Family and Community Medicine, Mary Koithan, PhD RN, Family and Community Medicine, Nursing, Iris R. Bell, MD PhD, Family and Community Medicine, University of Arizona, Tucson, AZ

362) Abstract 1316

TYPE D PERSONALITY, LIFESTYLE AND METABOLIC RISK. SELF REPORTED PREVALENCE IN A HEALTHY DUTCH POPULATION

Paula M.C. Mommersteeg, Ph.D., Nina H.M. Kupper, Ph.D., Johan Denollet, Ph.D., Center of Research on Psychology in Somatic diseases, Tilburg University, Tilburg, Netherlands

363) Abstract 1791

STRESS-RELATED APPRAISALS OF SEASONAL AND H1N1 INFLUENZA PREDICT OVERALL STRESS LEVELS AND LIKELIHOOD OF VACCINATION.

Karl J. Maier, Ph.D., Psychology, Salisbury University, Salisbury, MD

364) Abstract 1192

DROWSINESS AND SLEEP QUALITY AT BASELINE PREDICT SUCCESS IN A SMOKING CESSATION PROGRAM

Michele L. Okun, Ph.D., Michele D. Levine, Ph.D., Patricia Houck, Marsha D. Marcus, Ph.D., Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA

365) Abstract 1103

SELF-REPORTED SLEEP QUALITY AND DAYTIME SLEEP ARCHITECTURE IN COLLEGE STUDENTS IS RELATED TO NEUROTICISM

Leonard Costantini, Dave Domachowski, Biology, Ryan Brindle, Amy Kimicata, Neuroscience, Catie Vance, Mathematics, Sarah Conklin, PhD, Neuroscience and Psychology, Allegheny College, Meadville, PA

366) Abstract 1099

EXERCISE IS RELATED TO DAYTIME SLEEP ARCHITECTURE, BUT NOT SELF-REPORTED SLEEP QUALITY, IN YOUNG ADULTS

Catie Vance, Mathematics, Ryan Brindle, Neuroscience, Lenny Costantini, Dave Domachowski, Biology, Amy Kimicata, Neuroscience, Sarah Conklin, PhD, Neuroscience and Psychology, Allegheny College, Meadville, PA

367) Abstract 1287

GENERALLY PRESUMED BUT BARELY TESTED: DOES PSYCHOSOCIAL STRESS PRECEDES DEVELOPMENT OF FUNCTIONAL SOMATIC SYMPTOMS IN THE GENERAL POPULATION?

Lineke M. Tak, Sonja L. Van Ockenburg, BSc, Psychiatry, University Medical Center Groningen, Groningen, Groningen, The Netherlands, Johan Ormel, PhD, Psychiatry, University Medical Center Groningen, Groningen, Groningen, Netherlands, Simon Wessely, PhD, Psychological Medicine, King's College, London, UK, UK, Judith G. Rosmalen, PhD, Psychiatry, University Medical Center Groningen, Groningen, Groningen, The Netherlands

368) Abstract 1785

THE EFFECTS OF SAMATHA-VIPASSANA MEDITATION ON STRESS, MOOD, AND HEALTH

Andrew p. Litchy, BA, Jaskarit Wild, PhD, Steven Chamberlin, BS, Agatha Colbert, MD, Helfgott Research Institute, National College of Natural Medicine, Portland, Oregon

369) Abstract 1042

NEGATIVE LIFE EVENTS AND SYMPTOMS OF DEPRESSION AND ANXIETY: SOCIAL CAUSATION AND/OR STRESS GENERATION?

Anna C. Phillips, PhD, School of Sport & Exercise Sciences, University of Birmingham, Birmingham, UK, Geoff Der, PhD, Kate Hunt, PhD, MRC Social & Public Health Sciences Unit, University of Glasgow, Glasgow, UK, Douglas Carroll, PhD, School of Sport & Exercise Sciences, University of Birmingham, Birmingham, West Midlands, United Kingdom

370) Abstract 1387

DEPRESSIVE SYMPTOMS AND CARDIOVASCULAR REACTIVITY TO SOCIAL VS. NON-SOCIAL STRESSORS

Alexandra L. Terrill, MS, Psychology, Washington State University, Vancouver, WA, John M. Ruiz, Ph.D., Psychology, University of North Texas, Denton, TX, John P. Garofalo, Ph.D., Psychology, Washington State University, Vancouver, WA

371) Abstract 1476

THE EFFECTIVENESS OF A BRIEF MIND-BODY INTERVENTION FOR TREATING DEPRESSION IN COMMUNITY HEALTH CENTER PATIENTS

Kathleen M. Miller, RN, PhD, Wellness Center, Mass General Hospital / CHA, Revere, MA, John W. Denninger, MD, PhD, Benson Henry Institute for Mind Body Medicine, Albert Yeung, MD, ScD, Gregory L. Fricchione, MD, Psychiatry, Herbert Benson, MD, Veronique LePoutre, MS, Benson Henry Institute for Mind Body Medicine, Mass General Hospital, Boston, MA

372) Abstract 1620

PLASMA HOMOCYSTEINE CONCENTRATIONS AND DEPRESSION IN TWINS

James D. Bremner, MD, Psychiatry and Radiology, Emory University School of Medicine, Atlanta, GA, Jack Goldberg, Epidemiology, U of Washington, Seattle, WA, Viola Vaccarino, MD PhD, Medicine, Emory School of Medicine, Atlanta, GA

373) Abstract 1184

A TEST FOR COMMON GENETIC AND ENVIRONMENTAL VULNERABILITY TO DEPRESSION AND DIABETES

Jeffrey F. Scherrer, PhD, Psychiatry, Hong Xian, PhD, Internal Medicine, Patrick J. Lustman, PhD, Psychiatry, St. Louis VAMC and Washington University, St. Louis, MO, Carol E. Franz, PhD, Psychiatry, University of California San Diego, La Jolla, CA 92093, CA, Michael J. Lyons, PhD, Psychology, Boston University, Boston, MA, Kristen C. Jacobson, PhD, Psychiatry, University of Chicago, Chicago, IL, Seth A. Eisen, MD, Veterans Administration, Health Services Research and Development, Washington, DC, William S. Kremen, PhD, Psychiatry, University of California San Diego, La Jolla, CA

374) Abstract 1163

MULTIDIMENSIONALITY OF MENTAL STRESS-INDUCED AUTONOMIC ACTIVATION IN A PSYCHOSOMATIC PATIENT POPULATION

Christoph Herrmann-Lingen, Prof. Dr. med., Psychosomatic Medicine, University of Göttingen Medical Centre, Göttingen, Niedersachsen, Germany, Jana Lomb, MS, Psychosomatic Medicine, University of Marburg, Marburg, Hessen, Germany, Tilmann Schunk, Dipl Psych, Psychology in Neurology, Hardtwaldklinik I, Bad Zwesten, Hessen, Germany

375) Abstract 1370

EFFECTS OF PAST POSITIVE PARENTING AND RECENT NEGATIVE EVENTS ON CORTISOL ACTIVITY IN PARENTALLY BEREAVED YOUTH

Melissa J. Hagan, MPH, MA, Danielle Roubinov, MA, Linda J. Luecken, PhD, Irwin N. Sandler, PhD, Psychology, Arizona State University, Tempe, AZ

376) Abstract 1637

RELATIONSHIP OF LIFE ADVERSITY, ANTISOCIAL TENDENCIES, AND FAMILY HISTORY: RISK FACTORS FOR SUBSTANCE USE DISORDERS IN THE OKLAHOMA FAMILY HEALTH PATTERNS PROJECT

Kristen H. Sorocco, Ph.D., Department of Geriatric Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK, Noha H. Farag, MD/PhD, Biostatistics and Epidemiology, William R. Lovallo, Ph.D., Psychiatry and Behavioral Sciences, University of Oklahoma Health Sciences Center, Oklahoma City, OK

377) Abstract 1493

FROM FACIAL MIMICRY TO EMOTIONAL EMPATHY: A ROLE FOR NOREPINEPHRINE?

Neil A. Harrison, PhD, Psychiatry, Brighton & Sussex Medical School, Falmer, East Sussex, United Kingdom, Robert Morgan, BSc, Institute of Cognitive Neuroscience, University College London, London, London, United Kingdom, Hugo D. Critchley, DPhil, Psychiatry, Brighton & Sussex Medical School, Falmer, East Sussex, UK

378) Abstract 1680

UNIQUE EFFECT OF PAIN AND STRESS INDICATORS ON DEPRESSED MOOD AMONG RHEUMATOID ARTHRITIS PATIENTS

Jennifer E. Graham, Ph.D., Sunmi Song, MA, Christine Fagiolletti, BS, Biobehavioral Health, Pennsylvania State University, University Park, PA

379) Abstract 1321

BRAIN CORRELATES OF HYPERMOBILITY: A VOXEL-BASED MORPHOMETRY STUDY

Jessica A. Eccles, MB ChB, Felix D. Beacher, PhD, Clinical Images Sciences Centre, Brighton and Sussex Medical School, Falmer, East Sussex, United Kingdom, Marcus Gray, PhD, Catherine Jones, MSc, Ludovico Minati, MSc, Hugo Critchley, PhD, Clinical Images Sciences Centre, Brighton and Sussex Medical School, Falmer, United Kingdom

380) Abstract 1510

SOCIAL SMOKE EXPOSURE AND PERCEIVED TOLERANCE AMONG NEVER-SMOKING YOUTH

Simon Racicot, MA, Jennifer J. McGrath, PhD, MPH, Pediatric Public Health Psychology PPHP Laboratory, Concordia University, Montreal, Quebec, Canada, Jennifer O'Loughlin, PhD, Social and Preventive Medicine, University of Montreal, Montreal, Quebec, Canada

381) Abstract 1259

STABILITY OF ALTERNATIVE CLASSIFICATION APPROACHES FOR SOMATOFORM DISORDERS

Ricarda Mewes, PhD, Winfried Rief, PhD, Department of Clinical Psychology, University of Marburg, Marburg, Germany

382) Abstract 1802

THE IMPORTANCE OF A RELIABLE AND MULTIDISCIPLINARY APPROACH TO INTEGRATE MEDICAL AND PSYCHIATRIC CARE IN NURSING HOME PATIENTS

Gulam A. Noorani, MD MPH, Psychiatry, Bergen Regional Medical Center, Paramus, NJ, Sutapa Dube, MD, Psychiatry, St George's University School of Medicine, Grenada, Grenada, West Indies, Anuradha Seshadri, MD, Psychiatry, St. George's University School of Medicine, Grenada, Grenada, West Indies, Javed Iqbal, MD, Psychiatry, Bergen Regional Medical Center, Paramus, NJ

383) Abstract 1652

MUTATIONAL APPROACH FOR STUDYING THE ROLE OF STAT1 TRANSCRIPTION FACTOR IN THE PATHOGENESIS OF DEPRESSION

Verena Koch, Julia Polaczek, Cardiology, University of Marburg, Marburg, Germany, Christoph Herrmann-Lingen, Psychosomatic Medicine and Psychotherapy, University of Göttingen, Göttingen, Germany, Thomas Meyer, Cardiology, University of Marburg, Marburg, Germany

384) Abstract 1492

VITAL EXHAUSTION AND CARDIOVASCULAR DISEASE: NEW INSIGHTS FROM LONGITUDINAL DATA OF APPARENTLY HEALTHY PARTICIPANTS?

Trynke Hoekstra, MSc, Department of Health Sciences, VU University, Amsterdam, The Netherlands, Celestina Barbosa-Leiker, PhD, Health and Wellness Services, Washington State University, Pullman, WA, Jos Twisk, PhD, Department of Health Sciences, VU University, Amsterdam, the Netherlands

385) Abstract 1416

THE IMPACT OF ANXIETY ON FALSE NEGATIVE ECG DIAGNOSES OF MYOCARDIAL ISCHEMIA

Roxanne Pelletier, B.Sc., Simon L. Bacon, PhD, Andre Arsenault, MD, Kim L. Lavoie, PhD, Montreal Behavioural Medicine Center, MHI, Montreal, Quebec, Canada

386) Abstract 1063

PTSD AFTER TRAUMATIC INJURY: AN INVESTIGATION OF THE IMPACT OF INJURY SEVERITY AND PERITRAUMATIC AND POSTTRAUMATIC MODERATORS

Crystal A. Gabert-Quillen, MA, Douglas L. Delahanty, PhD, Psychology, Kent State University, Kent, OH, William F. Fallon, MD, Surgery, Summa Health System, Akron, OH

387) Abstract 1544

VULNERABILITY TO STRESS INDUCED DEPRESSION AFTER JOB LOSS: TESTING VARIATION BY 5-HTTLPR GENE

Christopher D. Nettles, MA; MPhil, George W. Howe, PhD, Department of Psychology, The George Washington University, Washington, DC, Karen Weihs, MD, Francisco A. Moreno, MD, Department of Psychiatry, University of Arizona Medical Center, Tucson, AZ

388) Abstract 1614

ORGANIC BRAIN LESIONS IN THE LEFT TEMPORAL LOBE AND SYMPTOMS OF SCHIZOPHRENIA: THREE CASES

Adomas Bunevicius, MD, Vytenis P. Deltuva, MD, PhD, Department of Neurosurgery, Kaunas University of Medicine, Kaunas, Lithuania, Robertas Bunevicius, MD, PhD, Institute of Psychophysiology and Rehabilitation, Kaunas University of Medicine, Palanga, Lithuania

389) Abstract 1533

DIURNAL PATTERNS OF SALIVARY CORTISOL AND DHEA IN FEMALE ADOLESCENTS WITH ANOREXIA NERVOSA

Andrea Oskis, BSc, Angela Clow, PhD, Psychology, Frank Hucklebridge, PhD, Human and Health Sciences, Lisa Thorn, PhD, Catherine Loveday, PhD, Psychology, University of Westminster, London, UK

390) Abstract 1355

HEALTH STATUS PERCEPTION IS PREDICTIVE OF WEIGHT LOSS 6-MONTHS POST ROUX-EN Y BARIATRIC SURGERY

Alexander Patterson, M.A., Mary Peterson, Ph.D., Clark Campbell, Ph.D., Kathleen Gathercoal, Ph.D., Department of Clinical Psychology, George Fox University, Newberg, OR

391) Abstract 1483

CORTISOL LEVELS IN RESPONSE TO STRESSFUL VERSUS NON-STRESSFUL TESTING ENVIRONMENTS

Shireen Sindi, BA, Neurology & Neurosurgery, McGill University, Montreal, QC, Canada, Catherine Lord, PhD, Women's Health Concerns Clinic, McMaster University, Hamilton, ON, Canada, Bruce Pike, PhD, Neurology & Neurosurgery, Jens Pruessner, PhD, Psychiatry & Neurology & Neurosurgery, McGill University, Montreal, Canada, Sonia Lupien, PhD, Psychiatry, University of Montreal, Montreal, Canada

392) Abstract 1405

UNDIAGNOSED SUBCLINICAL HYPOTHYROIDISM IS ASSOCIATED WITH ELEVATED BMI, RESTING SYSTOLIC BLOOD PRESSURE, AND MEAN ARTERIAL PRESSURE IN ASYMPTOMATIC YOUNG MEN AND WOMEN

Kimberly N. Walter, B.S.N., Biobehavioral Health, Penn State University, University Park, PA, Elizabeth J. Corwin, Ph.D., School of Nursing, University of Colorado at Boulder, Aurora, CO, Courtney A. Whetzel, Ph.D., Biobehavioral Health, Penn State University, University Park, PA, Laurence M. Demers, Ph.D., Pathology and Medicine, Penn State University, Hershey, PA, Jan Ulbrecht, M.D., Biobehavioral Health, Penn State University, University Park, PA, Teresa Seeman, Ph.D., Medicine and Epidemiology, David Geffen School of Medicine at UCLA, Los Angeles, CA, Laura C. Klein, Ph.D., Biobehavioral Health, Penn State University, University Park, PA

393) Abstract 1409

METAPERCEPTIONS OF ALCOHOL-RELATED BEHAVIORS IN COLLEGE STUDENTS

Abraham M. Rutchick, Ph.D., Psychology, California State University, Northridge, Northridge, CA, Cameron Hopkin, B.A., Psychology, Duke University, Durham, NC, Sulamunn R. Coleman, Psychology, California State University, Northridge, Northridge, CA

394) Abstract 1564

CHILDHOOD ABUSE IS RELATED TO HOSTILITY AND BODY COMPOSITION

Jennifer E. Phillips, M.S., Psychology, University of Pittsburgh, Pittsburgh, PA, Janine D. Flory, PhD, Psychology, Queens College, City University of New York (CUNY), Flushing, NY, Matthew F. Muldoon, MD, MPH, Clinical Pharmacology, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

395) Abstract 1015

TREATMENT OF CHRONIC PAIN WITH BUPRENORPHINE IN A VETERAN WITH TRAUMATIC BRAIN INJURY

Shilpa Sachdeva, MD, Adekola Alao, Psychiatry, SUNY Upstate, Syracuse, NY

396) Abstract 1788

SING ME A HAPPY SONG: THE ASSOCIATIONS BETWEEN SINGER LONGEVITY AND EMOTION WORD-USE IN LOVE SONGS

Sarah D. Pressman, PhD, Melanie N. Canterbury, BA, Sean M. Burkett, BA, Psychology, University of Kansas, Lawrence, KS

397) Abstract 1379

MALINGERING IN SICKLE CELL ANEMIA

Shilpa Sachdeva, MD, Adekola Alao, MD, Psychiatry, SUNY Upstate, Syracuse, NY

398) Abstract 1354

ADAPTIVE OR MALADAPTIVE? AN INVESTIGATION OF PERFECTIONISM IN CHRONIC FATIGUE SYNDROME

Stefan Kempke, MA, Patrick Luyten, PhD, Psychology, Boudewijn Van Houdenhove, MD, PhD, Psychiatry, K.U.Leuven, Leuven, Belgium

399) Abstract 1383

METABOLIC SYNDROME COVARIES WITH REDUCED GREY MATTER VOLUME IN THE HIPPOCAMPUS

Ikechukwu C. Onyewuenyi, BSc (Hons), Psychiatry, Matthew F. Muldoon, MD, MPH, Medicine, University of Pittsburgh, Pittsburgh, PA, Ahmad R. Hariri, PhD, Psychology and Neuroscience, Duke University, Durham, NC, Stephen B. Manuck, PhD, Psychology, Peter J. Gianaros, PhD, Psychiatry and Psychology, University of Pittsburgh, Pittsburgh, PA

400) Abstract 1245

DECREASES IN VAGAL TONE DURING ACTIVATED POSITIVE EMOTION

Richard D. Lane, M.D., Ph.D., Psychiatry, University of Arizona, Tucson, AZ, Harry T. Reis, Ph.D., Psychology, University of Rochester, Rochester, NY, Chiu-Hsieh Hsu, Ph.D., Epidemiology and Biostatistics, University of Arizona, Tucson, AZ, Wojciech Zareba, M.D., Ph.D., Medicine, University of Rochester, Rochester, NY

401) Abstract 1722

VALIDATION OF AN ASSESSMENT OF TYPE D PERSONALITY AMONG U.S. CARDIAC PATIENTS COMPROMISED AND NON-CARDIAC SAMPLES: DS14

Elina Spektor, M.A., Maria Dziok, M.A., Sonia Suchday, Ph.D., Clinical Psychology, Health Emphasis, Ferkauf Graduate School of Psychology, AECOM, Bronx, NY

402) Abstract 1557

SPIRITUALITY/RELIGIOSITY (S/R) IN CARDIOVASCULAR REACTIVITY (CVR) OF HEART FAILURE (HF) PATIENTS

Meredith A. Pung, Ph.D., Paul J. Mills, Ph.D., Psychiatry, University of San Diego, California, La Jolla, CA

403) Abstract 1523

SOCIOECONOMIC STATUS AND RACE: IMPACT ON CARDIAC ACTIVITY AT REST AND DURING STRESS

Nicole Szeto, Psychiatry, University of California, La Jolla, CA, Richard A. Nelesen, Ph.D., Joel E. Dimsdale, M.D., Psychiatry, University of California, San Diego, La Jolla, CA

404) Abstract 1752

AGONISTIC STRIVING IMPAIRS ANGER REGULATION BUT NOT RECOVERY

Mariam Parekh, Bachelor of Arts, Gavin Elder, Bachelor of Science, Jessica Schoolman, Bachelor of Arts, Craig Ewart, PhD, Psychology, Syracuse University, Syracuse, New York

405) Abstract 1252

SEROTONIN TRANSPORTER PROMOTER POLYMORPHISM MODERATES CARDIOVASCULAR REACTIVITY

Jordan M. Thompson, B.S., Behavioral Sciences, Mustafa al'Absi, Ph.D., Behavioral Science, University of Minnesota Medical School, Duluth, Duluth, MN, Edward Perkins, Ph.D., Biochemistry, University of Minnesota, Duluth, MN

406) Abstract 1516

FEELING CHINESE MAY BE LESS STRESSFUL BUT FEELING AMERICAN MAY BE BETTER FOR HEALTH: ACCULTURATION, SOCIOECONOMIC STATUS (SES), STRESS & CARDIOVASCULAR HEALTH IN A CHINESE IMMIGRANT COMMUNITY IN NYC

Sonia Suchday, Ph.D., Clinical Psychology (Health Emphasis) Ph.D., Ferkauf Grad Sch of Psych/Albert Einstein Coll of Md, Bronx, New York, Natania Wright, M.A., Division of Health Behavior & Nutrition Research/EPI, Albert Einstein College of Medicine, Bronx, New York, Jing Fang, Ph.D., Division For Heart Disease & Stroke Prevention, CDC, Atlanta, GA, Sun-Hoo Foo, M.D., Neurology, New York Downtown Hospital, New York, New York, Judith Wylie-Rosett, Ed.D., Division of Health Behavior & Nutrition Research/EPI, Albert Einstein College of Medicine, Bronx, New York

407) Abstract 1526

THE EFFECT OF EVENT-SPECIFIC STRESS, GENERAL STRESS, AND HOPELESSNESS ON DEPRESSION AFTER ACUTE CORONARY SYNDROME

Rebecca L. Reese, M.A., Psychology, Brian C. Steinmeyer, M.S., Kenneth E. Freedland, Ph.D., Robert M. Carney, Ph.D., Psychiatry, Washington University in St. Louis, St Louis, MO

408) Abstract 1329

ATTACHMENT INSECURITY IS ASSOCIATED WITH HEALTH-RELATED QUALITY OF LIFE IN HEART FAILURE

Christine Cho, B.Sc., Robert Maunder, M.D., Psychiatry, Gary E. Newton, M.D., Cardiology, Mount Sinai Hospital, Toronto, Ontario, Canada, Robert P. Nolan, Ph.D., Psychiatry, Toronto General Hospi-

tal, Toronto, Ontario, Canada, Jan Angus, Ph.D., Nursing, University of Toronto, Toronto, Ontario, Canada

409) Abstract 1665

INTERACTION OF SEX AND DEPRESSIVE DISORDERS IN THE VASCULAR AND METABOLIC REACTIVITY OF CARDIAC OUTPATIENTS

Andre Arsenaault, MD, Nuclear Medicine, Xueli Zhao, PHD, Bernard Meloche, Bachelor, Lynn Jolicoeur, Bachelor, Nuclear Medicine, Montreal Heart Institute, Montreal, Quebec, Canada, Simon Bacon, PHD, exercise science, Concordia University, Montreal, Quebec, Canada, Kim Lavoie, PHD, Dept. of Psychology, UQAM, Montreal, Quebec, Canada

410) Abstract 1444

TOWARD AN EXAMINATION OF THE EMOTIONAL AND PHYSICAL EFFECTS OF EXPOSURE TO STRUCTURAL RACISM

Tanisha I. Burford, Ph.D., Psychology and Neuroscience, Duke University, Durham, NC, Jules P. Harrell, Ph.D., Travette McNair-Nelson, BS, Adrian Thompson, BS, Sheronda Shearon, MS, Psychology, Howard University, Washington, DC

411) Abstract 1711

CONTROL MOTIVES, SOCIAL COMPETENCE, AND BLOOD PRESSURE IN NATURAL SETTINGS: A MULTI-INFORMANT ANALYSIS

Jessica H. Schoolman, BA, Gavin J. Elder, BS, Mariam Parekh, BA, Craig K. Ewart, PhD, Psychology, Syracuse University, Syracuse, NY

412) Abstract 1770

COMPARISON OF BLOOD PRESSURE ASSESSMENT METHODS USING CFA

Donald Edmondson, Ph.D, Joji Ishikawa, M.D., Ph.D., Center for Behavioral Cardiovascular Health, Columbia University Medical Center, New York, NY, Tyla Yurgel, B.A., Psychology, Stony Brook University, Stony Brook, NY, Matthew M. Burg, Ph.D., Medicine, Joseph E. Schwartz, Ph.D., Center for Behavioral Cardiovascular Health, Columbia University Medical Center, New York, NY

413) Abstract 1708

ASSESSMENT OF TRACKING COEFFICIENTS FOR THE DEVELOPMENT OF C-REACTIVE PROTEIN WITH STRESS AND DEPRESSION AS PREDICTORS

Bruce R. Wright, MD, Celestina Barbosa-Leiker, PhD, Health & Wellness Services, Washington State University, Pullman, WA, Trynke Hoekstra, MSc, Department of Health Sciences, VU University, Amsterdam, The Netherlands, Ashley J. Miller, BS, College of Nursing, Washington State University, Spokane, WA, Jos Twisk, PhD, Department of Health Sciences, VU University, Amsterdam, The Netherlands

414) Abstract 1731

THE IMPACT OF SEX AND C-REACTIVE PROTEIN LEVELS ON ENDOTHELIAL FUNCTION IN CARDIAC OUTPATIENTS

Bernard Meloche, technologist, nuclear medicine, Xueli Zhao, PhD, research, Kim Lavoie, PhD, Psychology, Simon Bacon, PhD, Science exercise, Lynn Jolicoeur, technologist, Andre Arsenaault, MD, nuclear medicine, Montreal Heart Institute, Montreal, Quebec, Canada

415) Abstract 1235

TYPE D PERSONALITY INDEPENDENTLY PREDICTS 1- AND 2-YEAR MORTALITY IN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR PATIENTS

Henneke Versteeg, MSc, Department of Medical Psychology, Tilburg University, Tilburg, The Netherlands, Dominic A. Theuns, PhD, Ruud A. Erdman, PhD, Agnes Muskens, Luc Jordaens, MD, PhD, Department of Cardiology, Thoraxcenter, Erasmus Medical Center, Rotterdam, The Netherlands, Susanne S. Pedersen, PhD, Department of Medical Psychology, Tilburg University, Tilburg, The Netherlands

416) Abstract 1676

IS C-REACTIVE PROTEIN MEDIATING UPTAKE OF MYOVIEW™ IN DEPRESSIVE PATIENTS ACCORDING TO SEX

Xueli Zhao, PhD, Nuclear Medicine, Montreal Heart Institute, Montreal, Quebec, Canada, Kim Lavoie, PHD, Dept. of Psychology, UQAM, Montreal, QC, Canada, Simon Bacon, PHD, exercise science, Concordia University, Montreal, QC, Canada, Bernard Meloche, Bachelor, Lynn Jolicoeur, Bachelor, Andre Arsenaault, MD, Nuclear Medicine, Montreal Heart Institute, Montreal, QC, Canada

Saturday, March 13, 2010

417) Abstract 1173

CULTURAL SPECIFICITY ON BUFFERING CULTURAL SUPPORT DURING STRESS PROVOCATION:
A FOCUS ON CHINESE IMMIGRANTS

Christine Lee, M.A., Sonia Suchday, Ph.D., Ferkauf Graduate School of Psychology, Judith Wylie-Rosett, Ed.D., Albert Einstein College of Medicine, Yeshiva University, Bronx, New York

418) Abstract 1750

IMPAIRED ANGER RECOVERY AMPLIFIES THE IMPACT OF AGONISTIC CONTROL MOTIVES ON
AMBULATORY BLOOD PRESSURE

Gavin J. Elder, BS, Mariam Parekh, BA, Jessica Schoolman, BA, Craig Ewart, PhD, Psychology, Syracuse University, Syracuse, NY

419) Abstract 1170

OVERLAP AND DISTINCTIVENESS OF TYPE D AND NEGATIVE AFFECT

Manfred E. Beutel, MD, Jörg Wiltink, MD, Psychosomatic Medicine and Psychotherapy, Yvonne Till, Dept. of Psychosom Med and Cardiology, Philipp Wild, MD, Thomas Münzel, MD, Stefan Blankenberg, MD, Internal Medicine II/ Cardiology, Matthias Michal, MD, Psychosomatic Medicine and Psychotherapy, University Medicine Mainz, Mainz, Germany

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