



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

**66th ANNUAL SCIENTIFIC MEETING
MARCH 12 - 15, 2008**

A Focus on Liaison in Psychosomatic Medicine



***Baltimore Marriott Waterfront
Baltimore, MD USA***

AMERICAN PSYCHOSOMATIC SOCIETY

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William R. Lovallo, PhD
APS President

Welcome to Baltimore

Welcome to Baltimore and to the 66th Annual Meeting of the American Psychosomatic Society. In addition to the pleasures of the soft-shell crab now in season and to the delights of one of America’s most historic cities, the Program Committee has planned an outstanding scientific meeting with programs to meet the needs and interests of students, scientists, and clinicians alike. The theme of this year’s meeting is *A Focus on Liaison in Psychosomatic Medicine*, a theme that brings together interdisciplinary research and a multispecialty approach to patient care. This theme is appropriate not only for this 66th meeting, but has been so since the first APS meeting, for a truly psychosomatic approach to medicine is not possible within the confines of a single clinical discipline. Similarly,

progress in a psychosomatic framework virtually requires that scientific knowledge develop within a multilevel framework that takes account of the biological, psychological, and social fabrics that shape all of us for better or worse. So, as you sample the pleasures of Baltimore I believe you will also bring home with you many new insights into your work, whether you are still training for your career or you are engaged primarily in patient care or in research.

Meeting Objectives

At the end of this meeting, participants will:

- 1) have improved their knowledge regarding how interdisciplinary collaboration can improve outcomes of psychosomatic research and patient care in general and in specific topic areas;
- 2) have improved their attitudes and skills to utilize interdisciplinary contacts with experts from neighboring areas for research and patient care;
- 3) have improved their knowledge of recent advances in psychoneuroimmunological research; and
- 4) have improved their knowledge about specific problems of psychosomatic research in minority populations and developing countries.



Christoph Herrmann-Lingen, MD
Program Committee Chair



Scott Matthews, MD
Program Committee Co-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: Jack D. Barchas, MD; Donald Oken, MD; family of Alvin P. Shapiro, MD; family and friends of Herbert Weiner, MD; and The Cousins Center for Psychoneuroimmunology at the UCLA Neuropsychiatric Institute.

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, A Medical Education Company (IAHB-AMEDCO) and the American Psychosomatic Society (APS). IAHB-AMEDCO is accredited by the ACCME to provide continuing medical education for physicians

AMA PRA Statement

IAHB-AMEDCO designates this educational activity for a maximum of 34.0 *AMA PRA Category 1 Credit(s)*TM. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Psychologists

American Psychosomatic Society (APS) is approved by the American Psychological Association to sponsor Continuing Education for Psychologists. APS maintains responsibility for this program and its content. This meeting carries a maximum of 34.0 credits.

Physicians should visit www.cmecertificateonline.com to obtain their credit, and psychologists should visit www.psychosomatic.org to obtain their credit. Please remember to sign in and out each day, and keep track of your credit hours.

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 9:00-10:00 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 Dinners

APS is hosting four special interest dinners on Thursday evening, beginning at 8:15 pm, in Little Italy, on the topics of **Psychoneuroimmunology**, **Cardiology**, **Functional Somatic Syndromes** and **Neuroscience**. You must be registered for a dinner to participate (cost is \$52) -- please visit the APS Registration Desk to determine availability!

APS Registration and Meeting Room Location

The APS Registration Desk is located in the Harborside Foyer on the 4th floor of the Marriott Waterfront. Meeting rooms are noted by each session in the program, and a complete floor plan of the hotel appears inside the program's back cover.

Exhibiting and Advertising

APS welcomes the following exhibitors to our meeting. We encourage attendees to stop by their tables:

Karger Publishers will display 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.

Psychosomatic Medicine, the official journal of the American Psychosomatic Society, will be displayed by our publisher, Lippincott, Williams and Wilkins.

How to Cite your Abstract

The April 2008 (volume 70, number 3) on-line issue of *Psychosomatic Medicine* contains the 2008 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 70, 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 someone at the APS Registration Desk for guidance.

Information on Roundtables

This year, APS is offering both Breakfast and Luncheon Roundtable discussion sessions. Meals will be served buffet style for all roundtables, and will be set-up adjacent to the Roundtable rooms. Please be sure to bring your Roundtable ticket to the session, in order to ensure admission. Please note that tickets must be purchased for all Roundtables. Please visit the APS Registration Desk to determine availability.

Mentoring Program

A special feature of our Annual Meeting is our mentoring program, which is designed to give students/trainees the opportunity to meet with a mentor, and possibly establish an on-going relationship thereafter. Those who indicated an interest in this program should have received a packet of information in advance of the meeting with their Mentor/Mentee details. Although Mentors/Mentees will have no formal obligation beyond the first meeting, we expect that a number of individuals will want to continue contacts by phone, email, or in person. As with previous years, we anticipate this being a great opportunity for both mentors and mentees. APS will host a Mentor/Mentee cocktail reception on Thursday evening at 6:30 pm for those participating in this program.

Student/Trainee Dinner and Lounge

Students/Trainees attending the APS meeting have been invited to attend a dinner at *Slainte* on the waterfront in historic Fells Point, following the Mentor-Mentee Reception, on Thursday, March 13. Individuals will be responsible for their own transportation and the cost of the meal - please stop by the APS Registration Desk if you are interested in attending but haven't yet signed up. There will also be a student/trainee lounge in the **Heron Room**, which will be open during the hours of the meeting. Please visit the lounge and network with other student/trainees.

Awards and Special Recognition

APS Scholar Awards

For the past ten years APS has awarded APS Scholar Awards to trainees who are conducting research. This year APS will award 23 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:

Hyong Jin Cho, MD, PhD, Abstract #1721, PRIOR DEPRESSION HISTORY PREDICTS PHYSICAL HEALTH DECLINE IN COMMUNITY-DWELLING OLDER ADULTS - A PROSPECTIVE COHORT STUDY, presented in the *Biological, Psychological and Behavioral Correlates of Health and Functioning in Late-life paper session*, Friday, March 14 from 4:15 to 5:15 pm.

Denise Cooper, MA, Abstract #1521, DEPRESSIVE SYMPTOMS DIFFERENTIALLY PREDICT CARDIOVASCULAR RISK FACTORS AMONG AFRICAN AMERICAN MEN AND WOMEN, presented in the *Citation Poster session*, Wednesday, March 12, 6:30 to 8:00 pm.

Erin Costanzo, PhD, Abstract #1205, DAILY STRESS PREDICTS PSYCHOLOGICAL AND PHYSICAL SYMPTOMS AND HPA PROFILES AMONG CANCER SURVIVORS, presented in the *Biopsychosocial Predictors of Health and Well-being in Cancer paper session*, Thursday, March 13, from 12:45 to 2:15 pm.

J. David Creswell, PhD, Abstract #1239, NEURAL AND BEHAVIORAL CORRELATES OF DISPOSITIONAL MINDFULNESS DURING STRESS, presented in *Symposium 1237: Pathways Linking Mindfulness and Health Outcomes*, Thursday, March 13 from 4:15 to 5:15 pm.

Sonja Entringer, PhD, Abstract #1603, PRENATAL PSYCHOSOCIAL STRESS EXPOSURE AND NEUROENDOCRINE, IMMUNE AND METABOLIC FUNCTION IN HUMAN ADULTS, presented in *Interpersonal Processes and Health paper session*, Friday, March 14 from 4:15 to 5:15 pm.

Jennifer Gordon, BSc, Abstract #1064, HEALTH BEHAVIORS MEDIATE THE RELATIONSHIP BETWEEN DEPRESSIVE SYMPTOMS AND CVD AND ALL-CAUSE MORTALITY: THE FRAMINGHAM HEART OFFSPRING STUDY, presented in the *Depression and CVD paper session*, Thursday, March 13 from 2:30 to 4:00 pm.

Indrani Halder, PhD, Abstract #1368, VARIATION IN THE CRP GENE MODIFIES THE ASSOCIATION BETWEEN DEPRESSION AND CIRCULATING CRP, presented in *Symposium 1110: Emerging topics in Genetics, Stress Behavior and Cardiovascular Disease Risk*, Friday, March 14 from 10:00 to 11:30 am.

Neil Harrison, MD, Abstract #1210, SICKNESS AND INFLAMMATION CAUSE MOOD CHANGES THROUGH ALTERATIONS IN SUBGENUAL CINGULATE ACTIVITY AND MESOLIMBIC CONNECTIVITY, presented in *Symposium 1207: Inflammation and Neuroimaging*, Thursday, March 13 from 4:15 to 5:15 pm.

Chiao-wen Hsiao, MA, Abstract #1231, ASSOCIATIONS AND TIME COURSE OF DEPRESSION AND VITAL EXHAUSTION IN CORONARY ARTERY DISEASE PATIENTS, presented in the *Depression and CVD paper session*, Thursday, March 13 from 2:30 to 4:00 pm.

Ihori Kobayashi, MS, Abstract #1344, ALBUTEROL ADMINISTERED SOON AFTER A MOTOR VEHICLE ACCIDENT MAY ALLEVIATE SUBSEQUENT POSTTRAUMATIC STRESS DISORDER SYMPTOMS, presented in the *Citation Poster session*, Wednesday, March 12, 6:30 to 8:00 pm.

Katie O'Donnell, MSc, Abstract #1367, SELF-ESTEEM LEVELS AND CARDIOVASCULAR AND INFLAMMATORY RESPONSES TO ACUTE STRESS, presented in the *Experimental Stress Effects paper session*, Friday, March 14 from 1:15 to 2:45 pm.

APS Scholar Awards, *continued*

Aoife O'Donovan, BA, MSc, Abstract #1177, THE POWER OF NEGATIVE THINKING: ASSOCIATIONS BETWEEN PESSIMISM AND TELOMERE LENGTH IN OLDER WOMEN, presented in the *Cellular Mechanisms of Psychosocial Effects on Health paper session*, Thursday, March 13 from 4:15 to 5:15 pm.

Sarah Pressman, PhD, Abstract #1720, RESTORATIVE ACTIVITIES ARE ASSOCIATED WITH PHYSIOLOGICAL AND PSYCHOLOGICAL WELL-BEING, presented in the *Cognitive and Behavioral Predictors of Health Outcomes paper session*, Friday, March 14 from 4:15 to 5:15 pm.

S. Carrington Rice, MA, Abstract #1244, RACIAL DISCRIMINATION, SOCIOECONOMIC STATUS, AND CAROTID INTIMAL MEDIAL THICKNESS, presented in *Symposium 1241: Psychosocial and Psychophysiological Factors Are Associated With Subclinical Vascular Disease*, Saturday, March 15 from 3:30 to 5:00 pm.

Rebecca Rios, BA, Abstract #1242, THE ROLE OF DAILY AND CHRONIC FINANCIAL STRESS IN SOCIOECONOMIC PAIN DISPARITIES, presented in the *Citation Poster session*, Wednesday, March 12, 6:30 to 8:00 pm.

Hannah Schreier, BA, Abstract #1525, LONGITUDINAL RELATIONSHIPS BETWEEN FAMILY ROUTINES AND BIOLOGICAL PROFILES IN YOUTH WITH ASTHMA, presented in the *Interpersonal Processes and Health paper session*, Friday, March 14 from 4:15 to 5:15 pm.

Patrick Smith, BA, Abstract #1758, OMEGA-3 FATTY ACIDS AND VENTRICULAR ECTOPY FOLLOWING ACUTE MYOCARDIAL INFARCTION, presented in the *CHD Risk Factors paper session*, Thursday, March 13 from 4:15 to 5:15 pm.

Maike ter Wolbeek, PhD, Abstract #1628, NEONATAL DEXAMETHASONE BUT NOT HYDROCORTISONE TREATMENT OF PREMATURELY BORN CHILDREN CHANGES BEHAVIOR, CYTOKINE BALANCE AND HPA-AXIS & CARDIOVASCULAR STRESS REACTIVITY AT SCHOOL AGE, presented in the *Citation Poster session*, Wednesday, March 12, 6:30 to 8:00 pm.

Vera Tsenkova, MA, Abstract #1143, BIOPSYCHOSOCIAL APPROACH TO NONDIABETIC GLUCOSE METABOLISM: THE INTERACTING INFLUENCES OF AGE, STRESS, COPING, AND OBESITY, presented in the *Eating, Obesity, and Metabolic paper session*, Thursday, March 13 from 2:30 to 4:00 pm.

Krista van den Broek, MA, Abstract #1260, ANXIETY LEVELS IN IMPLANTABLE DEFIBRILLATOR PATIENTS DIFFER DEPENDING ON INDICATION AND ETIOLOGY, presented in the *Citation Poster session*, Wednesday, March 12, 6:30 to 8:00 pm.

Hope Walker, BSc, Abstract #1605, PROSPECTIVE ASSOCIATIONS OF FAMILY ASTHMA MANAGEMENT WITH IMMUNE MARKERS: A LONGITUDINAL STUDY OF CHILDREN WITH ASTHMA, presented in the *Citation Poster session*, Wednesday, March 12, 6:30 to 8:00 pm.

Caroline Wright, PhD, Abstract #1673, PSYCHOLOGICAL PREDICTORS OF POOR SLEEP THE NIGHT BEFORE BREAST CANCER SURGERY, presented in the *Biopsychosocial Predictors of Health and Well-being in Cancer paper session*, Thursday, March 13, from 12:45 to 2:15 pm.

Jianping Zhang, MD, PhD, Abstract #1697, GENDER DIFFERENCES PROMINENT IN LINKING ANXIETY TO LONG-TERM MORTALITY AMONG THE ELDERLY, presented in the *Biological, Psychological and Behavioral Correlates of Health and Functioning in Late-life paper session*, Friday, March 14 from 4:15 to 5:15 pm.

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:

Yoichi Chida, MD, PhD, University College London, London, England

Sigrid Gardner, MD, MPH, University of Arizona, Tucson, AZ, USA

Niama Jacobs, MD, University of California at San Francisco, San Francisco, CA, USA

Eun-Ho Kang, MD, Samsung Medical Center, Seoul, South Korea

Sujith Kuruvilla, MD, Columbia University Medical Center, New York, NY, USA

David Medelson, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

Darcy Shaw, MD, University of Minnesota, Roseville, MN, USA

Isabella Soreca, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

Ekaterina Stepanova, MD, Stony Brook Medical Park, Stony Brook, NY

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 9 winners of this year's travel awards:

Frank Bandiera, MPH, University of Miami, Miami, FL, USA

Danielle Beatty, PhD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

Sharon Batista, MD, Mount Sinai School of Medicine, New York, NY, USA

Noel Burns, BA, University of Maryland, Baltimore County, Baltimore, MD, USA

Charles Jonassaint, MA, Duke University, Durham, NC, USA

Catherine Mills, MA, North Carolina Central University, Durham, NC, USA

Shakira Suglia, ScD, Harvard School of Public Health, Boston, MA, USA

Kamala Thomas, PhD, University of California Los Angeles, Los Angeles, CA, USA

Chante Wellington, PhD, Duke University, Durham, NC, USA



The Cousins Center for Psychoneuroimmunology at the UCLA Neuropsychiatric Institute graciously sponsors the American Psychosomatic Society travel assistant award to an applicant/nominee from a developing nation, enabling him/her to attend our meeting. This year we are pleased to announce that we have awarded travel assistance to the following individual: **Lilla Szeifert, MD** of Budapest, Hungary.

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 someone who is 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 ideal candidate will be someone who has not previously attended an APS meeting but is a leader and respected voice in his or her own field. It should be someone who has had some involvement in research, which could be clinical or basic research. The person should be an effective teacher and should be in a position to influence others, especially medical students, residents, and fellows. We are pleased to announce that the third annual award will be given to **Theodore A. Stern, MD**, from Harvard Medical School, Boston, MA. Dr. Stern will be chairing the **Treatment Effects** paper session on Friday, March 14 from 4:15 to 5:15 pm.

Data Blitz

Leading scientists will present their findings during the “blitz” Wednesday evening. This session will give attendees a preview of some of the most exciting, hot-off-the-press findings in psychosomatic medicine research. In addition to presenting during the Data Blitz, they will present their findings during the program. The participants in this year’s Data Blitz are:

Allison Nugent, PhD, Abstract #1387, *Alterations in Neural Correlates of Autonomic Control in Females with Major Depressive Disorder*, presented in the From Cell to Syndrome: Genetic and Imaging Neuroscience Studies of Affect and Neurovisceral Function in Health and Disease paper session on Thursday, March 13, from 12:45 to 2:15 pm.

Eco De Geus, PhD, Abstract #1120, *Resolving Cause and Effect in the Association Between Exercise Participation and Depression and Anxiety*, presented in the Cognitive and Behavioral Predictors of Health Outcomes paper session on Friday, March 14 from 4:15 to 5:15 pm.

Jennifer Gordon, BSc, Abstract #1064, *Health Behaviors Mediate the Relationship between Depressive Symptoms and CVD and All-Cause Mortality: The Framingham Heart Offspring Study*, presented in the Depression and CVD paper session on Thursday, March 13 from 2:30 to 4:00 pm.

Charles Jonassaint, MA, Abstract #1715, *The Serotonin Transporter Gene Moderates Environmental Stress Effects on Self-Esteem*, presented in the Social and Environmental Determinants of Health paper session on Friday, March 14 from 3:00 to 4:00 pm.

NIH Roundtable Event

The following representatives from the major supporters of psychosomatic research at the National Institutes of Health will be present on Friday from 11:30 am to 1:15 pm to share information regarding their strategic plans, mechanisms of funding for research and training, and current initiatives. Participation in this Roundtable Event is open to all attendees, but you must register prior to attending (please visit the APS Registration Desk for availability).

Catherine Stoney, PhD, *NCCAM*
Lynne Haverkos, MD, MPH, *NICHD*
Christine Hunter, PhD, *NIDDK*
Sandy Garfield, PhD, *NIDDK*
Valerie Durrant, PhD, *CSR*
Maribeth Champoux, PhD, *CSR*
Martha Faraday, PhD, *CSR*
Paige McDonald, PhD, MPH, *NCI*
Ann O’Mara, RN, PhD, *NCI*
Julia Rowland, PhD, *NCI*

Sid Stahl, PhD, *NIA*
Melissa Riddle, PhD, *NIDCR*
Marcia Scott, PhD, *NIAAA*
Robert Freeman, PhD, *NIAAA*
Peter Muehrer, PhD, *NIMH*
Susan Czajkowski, PhD, *NHLBI*
Peter Kaufmann, PhD, *NHLBI*
Jared Jobe, PhD, *NHLBI*
Kathy Mann Koepke, PhD, *NINR*
Steve Grant, PhD, *NIDA*
Merrill Mitler, PhD, *NINDS*

Program-at-a-Glance

Wednesday, March 12, 2008

7:00 am - 6:00 pm	Registration Harborside Foyer		<i>Gianaros, PhD; David Krantz, PhD and Paul Mills, PhD</i> Laurel C/D
9:00 am - 4:30 pm	Pre-Conference Workshop: Developing and Testing Psychosocial Interventions That Work <i>Chairs: Christoph Herrmann-Lingen, MD and Harald Gündel, MD; Faculty: Mike Lambert, PhD; Jacques Barber, PhD; Jim Blumenthal, PhD; Mike Antoni, PhD and Christian Albus, MD</i> Waterview A-C (Lobby Level)	5:00 - 6:00 pm	Opening Session Welcome and Announcements <i>Christoph Herrmann-Lingen, MD, Program Chair</i> Data Blitz <i>Scott Matthews, MD, Program Co-Chair</i> Awards <i>Edith Chen, PhD, Awards Committee Chair</i> Harborside A-C
1:30 - 4:30 pm	Pre-Conference Workshop: Modeling Observational Data Using Multivariable Regression Techniques: Some Fundamentals and Practical Advice for Building Models with Scientific Value <i>Faculty: Michael A. Babyak, PhD</i> Laurel A/B	6:00 - 6:30 pm	Special Presentation: Genomic, Brain and Autonomic Markers Will Be Required for the Era of 'Personalized Medicine' <i>Chair: Richard Lane, MD, PhD; Presenter: Evian Gordon, PhD</i> Harborside A-C
1:30 - 4:30 pm	Pre-Conference Workshop: They Said What?! A Scientific Writing Workshop on Responding to Reviewers <i>Chair: Peter Gianaros, PhD; Faculty: Francis Creed, MD; Peter</i>	6:30 - 8:00 pm	Citation Poster Session Harborside Foyer
		7:00 - 8:00 pm	Cocktail Reception Harborside Foyer

Thursday, March 13, 2008

7:00 am - 6:00 pm	Registration Harborside Foyer	8:15 - 9:00 am	President's Award <i>Chair: William R. Lovallo, PhD</i> <i>Presenter: Leanne Williams, PhD</i> Harborside A-C
7:00 am - 6:00 pm	Student Lounge Heron Room	9:00 - 9:45 am	Herbert Weiner Early Career Award: Brain-body Pathways to Cardiovascular Disease Risk <i>Chair: Richard Jennings, PhD</i> <i>Presenter: Peter Gianaros, PhD</i> Harborside A-C
7:00 - 8:00 am	Roundtable Breakfasts BR 1: Business Aspects of Personalized Medicine <i>Faculty: Evian Gordon, PhD</i> Falkland Room	9:45 - 10:00 am	Break
	BR 2: Psychobiologic Mechanisms Linking Relationships and Health <i>Faculty: Timothy Smith, PhD</i> Laurel A/B	10:00 - 11:30 am	Invited Plenary Symposium: Of Mice and Men: Translational Research Linking Animal Models with Human Psychoneuroimmunology (PNI) - Implications for Health and Disease <i>Chair: Sarosh Motivala, PhD</i>
	Sunrise Series 1: Perspectives on How to Strike a Life Balance in a Research/Academic Environment <i>Faculty: Julian Thayer, PhD; Martica Hall, PhD and Susan Girdler, PhD</i> Laurel C/D		

Thursday, March 13, 2008, continued

	<i>Presenters: Robert Dantzer, DVM, PhD; Andrew Miller, MD and Michael R. Irwin, MD</i> Harborside A-C	2:15 - 2:30 pm	Break
11:30 am - 12:45 pm	Roundtable Lunches (or lunch on your own)	2:30 - 4:00 pm	Concurrent Sessions
LR 1: Junior Faculty Development <i>Faculty: Mike Antoni, PhD; Elizabeth Brondolo, PhD; and Karen Matthews, PhD</i> Laurel A		Paper Session: Depression & CVD <i>Chair: Kim Lavoie, PhD</i> Harborside C	
LR 2 : Tips on Getting the Most out of your Postdoc <i>Faculty: Simon L. Bacon, PhD and Jim Blumenthal, PhD</i> Laurel B		Invited Symposium: Integrative Neuroscience <i>Chair: William R. Lovallo, PhD; Presenters: Turhan Canli, PhD; Bruce N. Cuthbert, PhD; Evian Gordon, PhD</i> Harborside D	
LR 3: Research and the Popular Media <i>Faculty: Marilyn Elias, USA Today and Redford Williams, MD</i> Laurel C		Paper Session: Eating, Obesity, and Metabolic Dysfunction <i>Chair: Simon Bacon, PhD</i> Harborside E	
LR 4: Integrative Neuroscience <i>Faculty: Leanne Williams, PhD; Evian Gordon, PhD; and Richard Lane, MD, PhD</i> Laurel D		4:00 - 4:15 pm	Break
11:30 am - 12:45 pm	Special Meetings <i>By Invitation Only</i>	4:15 - 5:15 pm	Concurrent Sessions
Psychosomatic Medicine Editorial Board Lunch Falkland Room		Paper Session: Cellular Mechanisms of Psychosocial Effects on Health <i>Chair: Karen Weihs, MD</i> Harborside A/B	
Textbook Committee Meeting Galena Room		Paper Session: CHD Risk Factors <i>Chair: Christian Albus, MD</i> Harborside C	
12:45 - 2:15 pm	Concurrent Sessions	Symposium 1207: Inflammation and Neuroimaging <i>Chair: Mary-Frances O'Connor, PhD</i> Harborside D	
Invited Symposium: Bridging the Gap Between Cardiology and Psychology <i>Chair: Redford Williams, MD</i> <i>Presenters: Samuel F. Sears Jr., PhD; Rachel Lampert, MD; Susanne S. Pedersen, PhD and Christiane Angermann, MD</i> Harborside C		Symposium 1237: Pathways Linking Mindfulness and Health Outcomes <i>Chair: J. David Creswell, PhD; Discussant: Kirk Brown, PhD</i> Harborside E	
Paper Session: From Cell to Syndrome: Genetic and Imaging Neuroscience Studies of Affect and Neurovisceral Function in Health and Disease <i>Chair: Peter Gianaros, PhD</i> Harborside D		5:15 - 6:30 pm	Poster Session 1 Harborside Foyer
Paper Session: Biopsychosocial Predictors of Health and Well-being in Cancer <i>Chair: Deidre Pereira, PhD</i> Harborside E		6:30 - 7:30 pm	Mentor- Mentee Reception Essex Room
		8:00 - 10:00 pm	Past Leader Dinner <i>By Invitation Only</i>
		8:15 - 10:15 pm	Special Interest Dinners <i>(see page 41 for more details)</i>

Friday, March 14, 2008

7:00 am - 6:00 pm	Registration Harborside Foyer	Invited Symposium: The Interface of Psychosomatic Medicine and Palliative Care <i>Chair: William Breitbart, MD, FAPM; Presenters: William Breitbart, MD, FAPM; Lewis Cohen, MD, FAPM; Donna Greenberg, MD, FAPM; Joseph Weiner, MD, FAPM</i> Harborside D
7:00 am - 6:00 pm	Student Lounge Heron Room	
7:00 - 8:00 am	Roundtable Breakfasts	
BR 4: Measuring Sleep in Psychosomatic Medicine Research: Practical Tips <i>Faculty: Martica Hall, PhD</i> Laurel A		Symposium 1110: Emerging Topics In Genetics, Stress Behavior and Cardiovascular Disease Risk <i>Chair: Indrani Halder, PhD</i> Harborside E
BR 7: Psychosomatic Reactions to Qigong Practice – Clinical Implications in Handling Qigong Deviations <i>Faculty: Kevin W. Chen, PhD and Tianjun Liu, OMD</i> Kent A		11:30 am - 1:15 pm Roundtable Lunches (or lunch on your own)
BR 8: Collaborative Care Interventions for Treating Depression in Patients with Cardiac Disease: The Bypassing the Blues Experience <i>Faculty: Bruce L. Rollman, MD and Bea Herbeck Belnap, Dr. Biol. Hum</i> Laurel B		LR 5: Palliative Care <i>Faculty: William Breitbart, MD, FAPM; Lewis Cohen, MD, FAPM; Donna Greenberg, MD, FAPM; Joseph Weiner, MD, FAPM</i> Laurel A
Sunrise Series 2: NIH for Beginners <i>Faculty: Margaret Chesney, PhD and Catherine Stoney, PhD</i> Laurel C/D		LR 6: NIH Grants and Training <i>Chair: Margaret Chesney, PhD (see page 7 for details)</i> Laurel B-D
7:00 - 8:00 am	Special Meeting: Membership Committee Meeting Galena Room	11:30 am - 1:15 pm Special Meeting: Professional Education Committee Meeting Galena Room <i>By invitation only</i>
8:00 - 8:50 am	President's Address: Emotional Reactivity in Children of Alcoholics: Family History & Psychological Markers <i>Presenter: William R. Lovallo, PhD</i> Harborside A-C	1:15 - 2:45 pm Concurrent Sessions
9:00 - 9:45 am	Patricia R. Barchas Award Lecture: The Social Context of Immune Competence <i>Chair: Jack D. Barchas, MD</i> <i>Presenter: Christopher Coe, PhD</i> Harborside A-C	Symposium 1588: Up or Down? Disentangling Acute and Chronic Stress Effects on Immunity and Potential Health Implications <i>Chair: Suzi Hong, PhD</i> Harborside A/B
9:45 - 10:00 am	Break	Symposium 1496: Brains under Pressure: The Relation of Blood Pressure to Brain and Cognitive Function <i>Chair: Shari Waldstein, PhD; Discussant: Merrill Elias, PhD</i> Harborside C
10:00 - 11:30 am	Parallel Symposia	Paper Session: Experimental Stress Effects <i>Chair: Kristen Salomon, PhD</i> Harborside D
Invited Symposium: Positive Affect and Health: Opportunities for Psychosomatic Medicine <i>Chair: Kristen Salomon, PhD</i> <i>Presenters: Andrew Steptoe, DSc; Judith Moskowitz, PhD; Suzanne Segerstrom, PhD and Margaret Chesney, PhD</i> Harborside C		Symposium 1341: Do Depression and Cardiovascular Risk Factors Share a Genetic Basis? <i>Chair: Brenda Penninx, PhD; Discussant: Jeanne McCaffery, PhD</i> Harborside E
		2:45 - 3:00 pm Break
		3:00 - 4:00 pm Concurrent Sessions
		Paper Session: Psychoneuroendocrinology <i>Chair: Marzio Sabbioni, MD</i> Harborside A/B

Friday, March 14, 2008, continued

Paper Session: Positive Psychology
Chair: Gail Ironson, MD, PhD
Harborside C

Symposium 1514: Stress, Cytokines, Mood and Pain in Rheumatoid Arthritis: Integrating Naturalistic, Laboratory-based and Intervention Research
Chair: Sarosh Motivala, PhD
Harborside D

Paper Session: Social and Environmental Determinants of Health
Chair: Tené Lewis, PhD
Harborside E

4:00 - 4:15 pm Break

4:15 - 5:15 pm Concurrent Sessions

Paper Session: Cognitive and Behavioral Predictors of Health Outcomes
Chair: Deidre Pereira, PhD
Harborside A/B

Paper Session: Biological, Psychological and Behavioral Correlates of Health and Functioning in Late-life
Chair: Martica Hall, PhD
Harborside C

Paper Session: Interpersonal Processes and Health
Chair: Do-Un Jeong, MD
Harborside D

Paper Session: Treatment Effects
Chair: Theodore A. Stern, MD
Harborside E

5:00 - 6:00 pm **Special Meeting: Ad hoc Journal Committee Meeting**
Galena Room
By Invitation Only

5:15 - 6:30 pm **Poster Session 2**
Harborside Foyer

6:30 pm - 9:30 pm **APS Council Meeting**
By Invitation Only
Laurel A/B

Saturday, March 15, 2008

8:00 am - 4:00 pm **Registration**
Harborside Foyer

8:00 am - 5:00 pm **Student Lounge**
Heron Room

8:00 - 9:00 am **Roundtable Breakfasts**

BR3: Mixed Models and Latent Growth Curve Models: A Comparison of Approaches for Analyzing Longitudinal Data
Faculty: Joseph Schwartz, PhD and Maria M. Llabre, PhD
Laurel A

BR 5: How Should Psychosomatic Illnesses be Represented in DSM-V?
Faculty: Francis Creed, MD
Kent A

BR 6: Placebo Effects
Faculty: Robert Ader, PhD and Tor Wager, PhD
Laurel C

8:00 - 9:00 am **Special Meeting: 2009 Program Committee Meeting**
By invitation only
Laurel D

9:00 - 10:00 am **Business Meeting**
Presiding: William R. Lovallo, PhD
Harborside A-C

10:00 - 10:45 am **Alvin P. Shapiro Award Lecture: The Harm that Doctors do: Hypertension as a Psychosomatic Disease**
Chair: Karina Davidson, PhD
Presenter: Thomas Pickering, MD, DPhil
Harborside A-C

10:45 - 11:00 am Break

11:00 am - 12:30 pm **Parallel Symposia**

Invited Symposium: Recent Advances in Posttraumatic Stress Disorder (PTSD) Research
Co-Chairs: Doug Delahanty, PhD and Marzio Sabbioni, MD;
Presenters: Roger K. Pitman, MD; Joseph A. Boscarino, PhD, MPH; Do-Un Jeong, MD; Robert J. Ursano, MD
Harborside C

Invited Symposium: Psychosomatic Research and Practice in Developing Countries
Chair: Mustafa al 'Absi, PhD; Discussant: Redford Williams, MD; Presenters: Hassen Ghannem, MD, MSc; Omer El-Rufaie, MBBS, DPM, FRCPsych and Abdel-Sattar Ibrahim, PhD
Harborside D

Invited Symposium: Health Consequences of Emotion Regulation in Breast Cancer Patients: Phenomenology, Physiology and Malleability
Chair: Karen Weihs, MD; Presenters: Annette Stanton, PhD; Janine Giese-Davis, PhD and Mike Antoni, PhD
Harborside E

Saturday, March 15, 2008, continued

12:30 - 1:45 pm

Roundtable Lunches (or lunch on your own)

LR 7: Recent Advances in Posttraumatic Stress Disorder (PTSD) Research

Faculty: Joseph Boscarino, PhD, MPH, Do-Un Jeong, MD, PhD; Roger Pitman, MD; Robert Ursano, MD; Douglas Delahanty, PhD, and Marzio Sabbioni, MD

Laurel A

LR 8: Health Consequences of Emotion Regulation in Breast Cancer Patients: Phenomenology, Physiology and Malleability

Faculty: Annette Stanton, PhD; Janine Giese-Davis, PhD; Mike Antoni, PhD; and Karen Weihs, MD

Laurel B

LR 9: Psychosomatic Research and Practice in Developing Countries

Faculty: Omer El-Rufaie, PhD; Hassen Ghannem, MD, MSc; Abdel-Sattar Ibrahim, PhD and Mustafa al'Absi, PhD

Laurel C

1:45 - 3:15 pm

Concurrent Sessions

Invited Symposium: New Research in Health Disparities

Chair: Julian Thayer, PhD; Presenters: Camara Jules P. Harrell, PhD; Hector F. Myers, PhD and Michele K. Evans, MD

Harborside C

Paper Session: The Role of Psychological Factors in CVD

Chair: Susanne S. Pedersen, PhD

Harborside D

Paper Session: Depression, Exhaustion & Inflammation

Chair: Suzi Hong, PhD

Harborside E

3:15 - 3:30 pm

Break

3:30 - 5:00 pm

Parallel Symposia

Symposium 1291: From Socioeconomic Status to Health: Novel Genetic, Neural, Environmental, and Sleep-related Pathways

Chair: Brooks Gump, PhD; Discussant: Sheldon Cohen, PhD

Harborside C

Symposium 1165: Why Don't Cardiologists Care (About Depression and Anxiety)? – Identifying and Overcoming Barriers

Chair: Roy Ziegelstein, MD; Discussant: Karina Davidson, PhD

Harborside D

Symposium 1241: Psychosocial and Psychophysiologic Factors Are Associated With Subclinical Vascular Disease

Chair: S. Carrington Rice, MA; Discussant: Thomas Kamarck, PhD

Harborside E

5:00 - 6:15 pm

Poster Session 3
Harborside Foyer

7:00 pm

Closing Banquet
Harborside A-C

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.

Scientific Program

Wednesday, March 12

7:00 am - 6:00 pm

REGISTRATION

Harborside Foyer

9:00 am - 4:30 pm

PRE-CONFERENCE WORKSHOP

Waterview A-C (Lobby Level)

Developing and Testing Psychosocial Interventions That Work

Chairs: Christoph Herrmann-Lingen, MD and Harald Gündel, MD; Faculty: Mike Lambert, PhD; Jacques Barber, PhD; Jim Blumenthal, PhD; Mike Antoni, PhD and Christian Albus, MD

Recent neurobiological research has further enforced the knowledge about the enormous influence psychosocial factors may have on the outcome and the recovery from many types of diseases. Interest among clinicians and researchers working in the field of psychosomatic medicine in designing and applying specific psychosocial interventions for patients suffering from physical disease has grown tremendously in recent years. However, there often seems to be a gap between colleagues working in psychosomatic medicine and researchers from the “psychotherapy community” with their specific knowledge and experience in the design and conduct of psychotherapy outcome studies. This workshop tries to bridge this gap by bringing together leading researchers from the psychotherapy community organized in the Society for Psychotherapy Research (SPR) with senior APS members experienced in psychosocial intervention research to combine and share their specific knowledge and experience. The major aim of this workshop is to encourage and enable interested researchers to set up psychotherapy outcome studies within the field of psychosomatic medicine. Therefore, the last section of the workshop will consist of a “hands-on” training of how to practically design a new psychotherapy outcome study with physically ill patients.

Part I: Overview of recent advances in psychotherapy research

* What Have We Learned from a Decade of Research Aimed at Improving Psychotherapy Outcome in Routine Care?

Mike Lambert, PhD

Psychotherapy has a positive outcome across a variety of disorders with recovery rates around 60%. Outcomes are consistently superior to no treatment and placebo controls and achieved within 20 sessions for 50% of patients. Generally changes are maintained at least one year following treatment. About 5-10% of patients have a negative outcome; but clinicians’ are unable to predict who these patients are before they leave treatment. Patients’ treatment response (regardless of the intervention) can be formally monitored and patients at risk for treatment failure can be identified through a 5-minute assessment, “lab-tests”. Supplying treatment progress information to clinicians substantially reduces deterioration rates and bolsters positive outcomes both in terms of statistically significant change and in clinically meaningful ways. We have now completed/published 6 clinical trials with reliable evidence of surprisingly large effects. We currently provide therapists with decision support tools and problem solving strategies for these “off-track” patients. Software that automates procedures and provides instantaneous feedback to providers will be illustrated.

* Issues to Consider when Studying Psychotherapy Process and Outcome

Jacques Barber, PhD

Special areas which will be addressed in the lecture:

- What do we know about the efficacy of dynamic therapy?
- What are the strengths and limitations of conducting randomized clinical trials in psychotherapy research?
- What are the Issues to consider when studying mechanisms of change?
- How do we typically assess the fidelity of psychosocial interventions, and how is this related to outcome

This talk will address several methodological challenges of psychotherapy research by examining important examples derived from various areas of research. For instance, many clinicians and researchers have concluded that dynamic therapy is not effective. However, the evidence for its lack of efficacy is not clear. Data from RCTs will be presented to address this question. In addition, I will discuss some of the strengths and weaknesses of RCTs as they are applied to psychotherapy research. I will then turn to process research and examine data on the relation between alliance and outcome. Finally, I will integrate some of the therapeutic alliance research with research on therapeutic interventions and show how these combined factors differentially impact on outcome when considering different disorders and in different psychotherapies.

Part II: Steps and problems in developing and performing psychosocial interventions in psychosomatic medicine - own experiences

* Developing and Testing Psychosocial Interventions that Work

Jim Blumenthal, PhD

Dr. Blumenthal's presentation will focus on psychosocial interventions in patients with cardiovascular disease. He will discuss some of the major challenges facing investigators in the area, including issues of funding, patient recruitment and retention, defining the treatment, selection of appropriate control groups, and use of surrogate endpoints. He will use case examples from previous randomized trials including ENRICH, SADHART, CREATE, SMILE, Smart Heart, INSPIRE and UPBEAT.

* Stress Management Interventions in HIV and Cancer

Mike Antoni, PhD

Research over the past two decades suggests that stressors (life events, medical diagnosis and demands of treatment) and stress moderating variables such as cognitive appraisals, coping strategies and social support can affect quality of life and health outcomes in persons dealing with medical illnesses. Evidence indicates that psychosocial and physiological adaptation processes may mediate some of these effects. This led to the development and testing of cognitive behavioral stress management (CBSM) interventions designed to modulate these processes in patients undergoing medical treatments for conditions such as HIV-infection, and breast and prostate cancer. The results of randomized trials demonstrating the efficacy of CBSM interventions in these populations has stimulated interest among clinicians and researchers working in the field of psychosomatic medicine to design and implement specific psychosocial interventions for patients suffering from these chronic diseases. A knowledge gap exists between colleagues working in psychosomatic medicine studying psychobiological mechanisms of disease, and those designing and conducting psychotherapy outcome studies in various populations. This presentation is designed to stimulate interested researchers to set up stress management outcome studies within the field of psychosomatic medicine specifically as related to developing this work within the context of patients receiving ongoing treatments for HIV or cancer.

* Experience with Three Randomized Controlled Trials for Patients with Coronary Artery Disease or Cardiovascular Risks

Christian Albus, MD

Stimulated by earlier research performed in patients with CAD by Ornish and colleagues, we developed and evaluated a "softer" multimodal intervention for outpatients with clinically stable CAD. The design of the study, the content of the intervention, and major outcomes will be presented, and strengths and limitations will be discussed. In addition, the design of an ongoing multimodal intervention, integrating LifeSkills for stress management in patients at high risk for CAD (PreFord), will be presented. Finally, the design of a stepwise, combined psychodynamic and cognitively-behavioral psychotherapy intervention for CAD-patients with comorbid depression will be presented (SPIRR-CAD). This trial has just received a major grant by the German Research Foundation (DFG) and is going to start in 2008.

Part III: Hands-on workshop

How to set up a concrete psychosocial intervention study /What can we do in order to get a perfect study with a perfect intervention?

1:30 - 4:30 pm

PRE-CONFERENCE WORKSHOP

Laurel A/B

Modeling Observational Data Using Multivariable Regression Techniques: Some Fundamentals and Practical Advice for Building Models with Scientific Value

Faculty: Michael A. Babyak, PhD

Multivariable regression models (e.g., multiple linear regression, logistic regression, time-to-event models, etc) are frequently used to evaluate research questions in psychosomatic medicine. This workshop will focus on some of the fundamental aspects of modeling, as well as the problems that we frequently encounter with real world data. Where possible, we will discuss solutions for those problems. We will start with a brief survey of the history of modeling and an assessment of the success of various modeling approaches in providing scientifically sound information. Specific aspects of model-development will then be presented. These include: sample size and design; criteria for selecting measures before data collection; principles of variable selection after data collection; confounding versus mediation; interactions (moderation) and subgroup analysis; scaling predictors to make meaningful comparisons; and evaluation of model assumptions and fit. In addition, we will briefly examine alternatives and complements to conventional multivariable models, including propensity scoring and full structural equation models. The presentation is geared heavily toward the non-statistician, but some fundamental understanding of regression-type models is expected.

1:30 - 4:30 pm

PRE-CONFERENCE WORKSHOP

Laurel C/D

They Said What?! A Scientific Writing Workshop on Responding to Reviewers

Chair: Peter Gianaros, PhD; Faculty: Francis Creed, MD; Peter Gianaros, PhD; David Krantz, PhD and Paul Mills, PhD

Revising and resubmitting are routine and inevitable parts of life for investigators at all career stages. Without practice and experience, however, many junior investigators are in need of advice about particular writing skills and emotion regulation strategies that underpin clear and cool-headed responses to reviewers. Critically, these skills and strategies enable the successful publication of scientific reports that are ultimately strengthened by the peer review process. The learning objective of this workshop is to provide an overview of the peer-review process and to offer concrete advice about the do's and don'ts of revising and resubmitting. After an interactive discussion with workshop faculty, participants will work in small groups to constructively critique and revise example cover letters that respond to peer reviewers.

In the small groups, the faculty will interact more intensively with workshop participants to answer particular questions about writing, revising, and re-submitting. Here the questions can be about any component of the paper (e.g., abstract, Introduction, Method, etc). The goal is for the participants to come away from the small groups with concrete and constructive feedback on their letters.

5:00 - 6:00 pm

OPENING SESSION

Harborside A-C

Welcome and Announcements

Christoph Herrmann-Lingen, MD, Program Chair

Data Blitz

Scott Matthews, MD, Program Co-Chair

Awards

Edith Chen, PhD, Awards Committee Chair

6:00 - 6:30 pm

SPECIAL PRESENTATION

Harborside A-C

Genomic, Brain and Autonomic Markers

Will Be Required for the Era of 'Personalized Medicine'

Chair: Richard Lane, MD, PhD; Presenter: Evian Gordon, PhD

The harsh reality is that many treatments do not work as expected in a significant percentage of patients and occasionally, there are serious side effects. A new paradigm of 'Personalized Medicine' is emerging, which proactively tailors treatment to each individual's biological, autonomic and psychological profile. The first 'Proof of Concept' phase of 'Personalized Medicine' has now been achieved, but it has thus far focused on the use of genomic 'Markers' alone. The complexity of the brain-body interactions is likely to require a shift from a single genetic Marker focus, to a more integrated approach, in which additional brain-related and autonomic function information is taken into account. Co-development of genomic-brain-autonomic Markers with new compounds will lead to increased drug R&D and other treatment program benefits. The statistical power of large subject numbers in databases in general (and standardized databases in particular), are already elucidating candidate Marker profiles (explaining most of the main-effects variance) that will empower a brain-related Personalized Medicine.

6:30 - 8:00 pm

CITATION POSTER SESSION

Harborside Foyer

1) Abstract 1779

IMPACT OF A PRENATAL DEPRESSION INTERVENTION ON REDUCING RISK FOR POSTPARTUM BIRTH COMPLICATIONS

Guido G. Urizar, Jr., PhD, Bertha Garcia, Marta Bolsewicz, BA, Psychology, California State University, Long Beach, Long Beach, CA, Ricardo F. Muñoz, PhD, Psychiatry, UCSF, San Francisco, CA

2) Abstract 1138

PROPRANOLOL AND ASPIRIN ATTENUATE THE STRESS-INDUCED INCREASE IN THE PLASMA VON WILLEBRAND FACTOR CONCENTRATION: A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED EXPERIMENTAL STUDY

Roland von Känel, MD, General Internal Medicine, University Hospital, Bern, Switzerland, Brigitte M. Kudielka, PhD, Theoretical and Clinical Psychobiology, University of Trier, Trier, Germany, Joachim E. Fischer, MD, Public Health, Social and Preventive Medicine, University of Heidelberg, Mannheim, Germany

3) Abstract 1126

CIRCULATING LEVELS OF PRO- AND ANTI-INFLAMMATORY CYTOKINES IN SCHOOL TEACHERS WITH BURNOUT SYMPTOMS

Roland von Känel, MD, General Internal Medicine, University Hospital, Bern, Switzerland, Silja Bellingrath, Brigitte M. Kudielka, PhD, Theoretical and Clinical Psychobiology, University of Trier, Trier, Germany

4) Abstract 1725

TWELVE WEEKS OF TAI CHI TRAINING REDUCES DEPRESSIVE SYMPTOMS, SYMPTOM SEVERITY & FREQUENCY, AND IFN GAMMA EXPRESSION IN HEART FAILURE

Laura S. Redwine, PhD, Medicine, VMRF and University of California, San Diego, CA, Albert Chiu, B.S., Medicine, VMRF, San Diego, California, Dan Halpain, M.A., Medicine, VMRF, San Diego, CA, Veronica Reis, PhD, Psychiatry, VA San Diego Healthcare System, San Diego, CA, Sarah Linke, BS, Suzi Hong, PhD, Psychiatry, University of California, San Diego, CA, Thomas Rutledge, PhD, Psychiatry, VA San Diego Healthcare Services, San Diego, CA, Paul J. Mills, PhD, Psychiatry, University of California, San Diego, CA

5) Abstract 1601

URBAN DISORDER AND VIOLENCE: POSSIBLE ORIGINS OF HYPERTENSION IN VULNERABLE YOUTH?

Nina Stoeckel, Diplom, Marta Kadziolka, BA, Mi Ditmar, BA, Gavin Elder, BA, Craig Ewart, PhD, Psychology, Syracuse University, Syracuse, NY

6) Abstract 1474

STRESS, AFFECT AND HEALTH: THE ROLE OF AFFECTIVE VARIABILITY IN THE NATURAL ENVIRONMENT

Masanori Oikawa, PhD, Joshua M. Smyth, PhD, Martin J. Sliwinski, PhD, Psychology, Syracuse University, Syracuse, NY

7) Abstract 1605

PROSPECTIVE ASSOCIATIONS OF FAMILY ASTHMA MANAGEMENT WITH IMMUNE MARKERS: A LONGITUDINAL STUDY OF CHILDREN WITH ASTHMA

Hope Walker, BSc, Alexandra Gaudin, BA, Psychology, University of British Columbia, Vancouver, BC, Canada, Louise Chim, BA, Psychology, Stanford, Stanford, CA, Edith Chen, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

8) Abstract 1173

THYROID FUNCTION IN MAJOR DEPRESSION AND ANXIETY DISORDERS: FINDINGS FROM THE NETHERLANDS STUDY OF DEPRESSION AND ANXIETY

Berend Verhoeff, MD, Brenda W. Penninx, Professor, Witte J. Hoogendijk, Professor, Psychiatry, VU University Medical Center, Amsterdam, The Netherlands

9) Abstract 1760

TRAIT POSITIVE AFFECT BUFFERS THE EFFECTS OF ACUTE STRESS ON SKIN BARRIER RECOVERY

Theodore F. Robles, PhD, Kathryn P. Brooks, BA, Psychology, University of California, Los Angeles, Los Angeles, CA, Sarah D. Pressman, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

10) Abstract 1235

FUNCTIONAL ASSOCIATION OF BRAIN AND SOMATIC ACTIVITIES ACCOMPANYING REVERSAL LEARNING

Hideki Ohira, PhD, Psychology, Nagoya University, Nagoya, Aichi, Japan, Michio Nomura, PhD, Psychology, Tokai Gakuin University, Kakamigahara, Gifu, Japan, Masahiro Matsunaga, PhD, Psychology, Nagoya University, Nagoya, Aichi, Japan, Tokiko Isowa, MA, Nursing, Mie Prefectural College of Nursing, Tsu, Mie, Japan, Kenta Kimura, MA, Hiroki Murakami, MA, Takahiro Osumi, BA, Psychology, Nagoya University, Nagoya, Aichi, Japan

11) Abstract 1521

DEPRESSIVE SYMPTOMS DIFFERENTIALLY PREDICT CARDIOVASCULAR RISK FACTORS AMONG AFRICAN AMERICAN MEN AND WOMEN

Denise C. Cooper, MA, Shari R. Waldstein, PhD, Department of Psychology, University of Maryland Baltimore County, Baltimore, MD, Michele K. Evans, MD, Alan B. Zonderman, PhD, National Institute on Aging, National Institutes of Health, Baltimore, MD

12) Abstract 1196

IMPACT OF MENOPAUSE AND HORMONE THERAPY ON EXERCISE-INDUCED MYOCARDIAL ISCHEMIA AND CHEST PAIN

Nadine S. Bekkouche, Catherine Laurin, Kim L. Lavoie, André Arsenault, Blaine Ditto, Phillippe Stébenne, Bernard Meloche, Roxanne Pelletier, Jennifer Gordon, Sandra Pélaez, Simon L. Bacon, Montreal Behavioural Medicine Center, Montreal Heart Institute, Montreal, Quebec, Canada

13) Abstract 1339

PSYCHOTROPIC MEDICATION USE AND RISK FOR CARDIOVASCULAR EVENTS AND ALL-CAUSE MORTALITY IN WOMEN WITH SUSPECTED CORONARY ARTERY DISEASE: RESULTS FROM THE NHLBI SPONSORED WISE STUDY

D S. Krantz, PhD, J L. Francis, PhD, K S. Whittaker, BA, Medical and Clinical Psychology, Uniformed

Services University, Bethesda, MD, G Barrow, M.S., C McClure, BS, Epidemiology, University of Pittsburgh, Pittsburgh, PA, D S. Sheps, MD FACC, Cardiovascular Medicine, University of Florida, Gainesville, FL, B.D. Johnson, PhD, Epidemiology, University of Pittsburgh, Pittsburgh, PA, T Rutledge, PhD, Psychiatry, UCSD, San Diego, CA, K York, PhD, Cardiology, University of Florida, Gainesville, FL, C Cornell, PhD, Health Behavior and Health Education, University of Arkansas, Little Rock, AR, V Bittner, MD MSPH, Cardiology, University of Alabama at Birmingham, Birmingham, AL, V Vaccarino, MD PhD, Medicine, Emory University, Atlanta, GA, W Eteiba, MD, Epidemiology, University of Pittsburgh, Pittsburgh, PA, S Parashar, MD MPH, Medicine, Emory University, Atlanta, GA, D Vido, MS, Cardiology, Allegheny General Hospital, Pittsburgh, PA, C N B. Merz, MD FACC FAHA, Medicine, Cedar-Sinai Medical Center, Los Angeles, CA

14) Abstract 1746

SPOUSAL CONFLICT AND REJECTION IN THE CONTEXT OF CHRONIC PAIN

Mary A. Wieners, BA, Mary C. Davis, Alex J. Zautra, PhD, Morris A. Okun, PhD, Department of Psychology, Arizona State University, Tempe, AZ

15) Abstract 1242

THE ROLE OF DAILY AND CHRONIC FINANCIAL STRESS IN SOCIOECONOMIC PAIN DISPARITIES

Rebeca Rios, BA, Alex J. Zautra, PhD, Psychology, Arizona State University, Tempe, AZ

16) Abstract 1628

NEONATAL DEXAMETHASONE BUT NOT HYDROCORTISONE TREATMENT OF PREMATURELY BORN CHILDREN CHANGES BEHAVIOR, CYTOKINE BALANCE AND HPA-AXIS & CARDIOVASCULAR STRESS REACTIVITY AT SCHOOL AGE

Maike ter Wolbeek, PhD, Laboratory of Psychoneuroimmunology, Frank van Bel, MD/PhD, Rosa Karemaker, PhD, Department of Neonatology, Annemieke Kavelaars, PhD, Cobi J. Heijnen, PhD, Laboratory of Psychoneuroimmunology, University Medical Center Utrecht, Utrecht, The Netherlands

17) Abstract 1510

GHRELIN AND LEPTIN IN PATIENTS WITH PRIMARY INSOMNIA

Sarosh J. Motivala, PhD, Cousins Center for Psychoneuroimmunology, UCLA Semel Institute, Los Angeles, CA, A. Janet Tomiyama, MS, Psychology, UCLA, Los Angeles, CA, Michael G. Ziegler, MD, Medicine, UCSD, San Diego, California, Srikrishna Khandrika, PhD, Medicine, UCSD, San Diego, CA, Michael R. Irwin, MD, Cousins Center for Psychoneuroimmunology, UCLA Semel Institute, Los Angeles, CA

18) Abstract 1344

ALBUTEROL ADMINISTERED SOON AFTER A MOTOR VEHICLE ACCIDENT MAY ALLEVIATE SUBSEQUENT POSTTRAUMATIC STRESS DISORDER SYMPTOMS

Ihori Kobayashi, MS, Psychology, Kent State University, Kent, OH, William F. Fallon, MD, Eileen Spoonster, RN, Trauma Services, Summa Health System, Akron, OH, Douglas L. Delahanty, PhD, Psychology, Kent State University, Kent, OH

19) Abstract 1722

THE EFFECT OF RECEPTIVE MUSIC THERAPY ON HEART RATE VARIABILITY IN HYPERTENSIVE PATIENTS

Vera Brandes, Research Program MusicMedicine, Paracelsus Medical University, Salzburg, Austria, Julian F. Thayer, PhD, Clinical Psychology Program, Ohio State University, Columbus, OH, Joachim E. Fischer, Institute for Public Health and Preventive Medicine, University of Heidelberg, Mannheim Medical Faculty, Mannheim, Germany

20) Abstract 1131

PARENTING STYLES AND CLOSENESS DURING CHILDHOOD PREDICT OVERWEIGHT AND OBESITY IN YOUNG ADULTS

Ilene C. Siegler, PhD, MPH, Psychiatry, Charles R. Jonassaint, BA, Psychology, Beverley H. Brummett, PhD, Richard S. Surwit, PhD., John C. Barefoot, PhD, Psychiatry, Allison E. Ashley-Koch, PhD, Medicine, Redford B. Williams, MD, Psychiatry, Duke, Durham, NC, Thorkild A. Sorensen, DrMedSci, Preventive Medicine, Copenhagen University Hospital, Copenhagen, Copenhagen, Denmark

21) Abstract 1667

INCREASED INFLUENZA ANTIBODY TITERS AFTER IMMUNIZATION IN A PUTATIVE BIOTERRORISM CONTEXT

Karen S. Quigley, PhD, Isabella M. Rodrigues, PhD, War Related Illness and Injury Study Center, East Orange VA Med Ctr, East Orange, NJ, Sarah Lachiewicz, B.A., Psychology, Nova Southeastern University, Davie, FL, Stefan Gravenstein, MD, Glennan Center, Eastern Virginia Medical School, Norfolk, VA, Kathi L. Heffner, PhD, Psychology, Ohio University, Athens, OH

22) Abstract 1254

5-HTTLPR AND GENDER MODERATE CHANGES IN NEGATIVE AFFECT RESPONSES TO TRYPTOPHAN INFUSION

B H. Brummett, PhD, Psychiatry, A Ashley-Koch, PhD, A Collins, PhD, Cent. Hum. Genet., C M. Kuhn, PhD, Pharm. & Cancer Biol., S H. Boyle, PhD, I C. Siegler, PhD, J C. Barefoot, PhD, R B. Williams, MD, Psychiatry, DUMC, Durham, NC

23) Abstract 1256

POSITIVE AFFECT IS NEGATIVELY ASSOCIATED WITH CARDIOVASCULAR REACTIVITY DURING EMOTIONAL RECALL TASKS: EFFECTS INDEPENDENT OF NEGATIVE AFFECT

B H. Brummett, PhD, S H. Boyle, PhD, I C. Siegler, PhD, R B. Williams, MD, Psychiatry, DUMC, Durham, NC

24) Abstract 1432

GENOTYPE OF A FUNCTIONAL POLYMORPHISM OF THE MONAMINE OXIDASE-A GENE PROMOTER (MAOA_UVNTR) MODERATES THE EPINEPHRINE RESPONSE TO TRYPTOPHAN INFUSION

S H. Boyle, B H. Brummett, PhD, Psychiatry, C L. Muller, MS, Cent. Hum. Genet., J C. Barefoot, PhD, Psychiatry, C M. Kuhn, PhD, Pharm. & Cancer Biol, A Collins, PhD, A Ashley-Koch, PhD, Cent. Hum. Genet., R B. Williams, MD, Psychiatry, DUMC, Durham, NC

25) Abstract 1402

CENTRAL NERVOUS SYSTEM SEROTONIN FUNCTION, HOSTILITY AND FASTING GLUCOSE IN AFRICAN AMERICAN FEMALES

S H. Boyle, PhD, R S. Surwit, PhD, A Georgiades, PhD, B H. Brummett, PhD, J C. Barefoot, PhD, Psychiatry, C M. Kuhn, PhD, Pharm. & Cancer Biol, R B. Williams, MD, Psychiatry, DUMC, Durham, NC

26) Abstract 1260

ANXIETY LEVELS IN IMPLANTABLE DEFIBRILLATOR PATIENTS DIFFER DEPENDING ON INDICATION AND ETIOLOGY

Krista C. Van den Broek, MA, Ivan Nyklicek, PhD, Susanne S. Pedersen, PhD, Johan Denollet, PhD, CoRPS - Medical Psychology, Tilburg University, Tilburg, The Netherlands

27) Abstract 1390

POSITIVE AND NEGATIVE PSYCHOLOGICAL ATTRIBUTES ARE ASSOCIATED WITH BLOOD PRESSURE NONDIPPING: PITTSBURGH SLEEPScore PROJECT

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

28) Abstract 1380

PARENTAL EDUCATION AND METABOLIC SYNDROME

Jennifer Phillips, M.S., Psychology, University of Pittsburgh, Pittsburgh, PA, Serina Neumann, PhD, Psychiatry, EVMS, Norfolk, VA, Janine Flory, PhD, Psychology, Queens College CUNY, Flushing, NY, Matthew Muldoon, MD, Clinical Pharmacology, Stephen Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

29) Abstract 1250

COAGULATION ACTIVITY BEFORE AND AFTER ACUTE PSYCHOSOCIAL STRESS INCREASES WITH AGE

Petra H. Wirtz, PhD, Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Switzerland, Laura S. Redwine, PhD, Department of Medicine, University of California, San Diego, San Diego, California, U.S.A, Ulrike Ehlert, PhD, Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Switzerland, Roland von Kanel, MD, Department of General Internal Medicine, University Hospital Bern, Bern, Switzerland

30) Abstract 1301

PREVALENCE OF DSM-IV POSTTRAUMATIC STRESS DISORDER AND ITS PREDICTORS IN PATIENTS WITH A MYOCARDIAL INFARCTION

Erika Guler, MS, Cardiology, Lina Wiedemar, MD, General Internal Medicine, Hugo Saner, MD, Jean-Paul Schmid, MD, Cardiology, Roland von Känel, General Internal Medicine, University Hospital, Bern, Switzerland

31) Abstract 1604

OSCILLATIONS IN PAIN PREDICTION ACCURACY EVIDENCE NONLINEAR DAMPING: A DYNAMICAL SYSTEMS APPROACH TO PSYCHOSOMATIC RESEARCH

Patrick H. Finan, M.A., Eric Hessler, M.A., Polemnia Amazeen, PhD, Psychology, Arizona State

University, Tempe, AZ, Jonathan Butner, PhD, Psychology, University of Utah, Salt Lake City, UT, Alex J. Zautra, PhD, Psychology, Arizona State University, Tempe, AZ

32) Abstract 1309

SLEEP QUALITY AND PAIN SEVERITY AMONG YOUNG ADULTS WITH AND WITHOUT CHRONIC PAIN: THE ROLE OF DEPRESSED MOOD AND BIOBEHAVIORAL FACTORS

Jennifer E. Graham, PhD, Katherine L. Streitel, Biobehavioral Health, Penn State University, University Park, PA

33) Abstract 1315

CENTRAL ADIPOSITY, PHYSICAL ACTIVITY, AND COGNITIVE FUNCTION: THE MAINE-SYRACUSE STUDY

Gregory A. Dore, BA, Merrill F. Elias, PhD, MPH, Michael A. Robbins, PhD, Penelope K. Elias, PhD, Psychology, University of Maine, Orono, ME

34) Abstract 1671

BRIEF SCREENING FOR DEPRESSION WITH TWO QUESTIONS IN PATIENTS WITH CHRONIC HEPATITIS C

Peter Berger, MD, Ingrid Sibitz, MD, Marion Freidl, MD, Andrea Topitz, MD, Psychiatry and Psychotherapy, Katharina Stauffer, MD, Internal Medicine III, Division of Gastroenterology, Medical University of Vienna, Vienna, Austria, Heinz Katschnig, Professor of Psychiatry, Social Psychiatry, Ludwig Boltzmann-Institute for Social Psychiatry, Vienna, Austria

35) Abstract 1776

AGONISTIC AND TRANSCENDENT STRIVINGS PREDICT AMBULATORY BLOOD PRESSURE DURING SOCIAL INTERACTIONS IN URBAN ADOLESCENTS

Gavin J. Elder, BSc, Nina J. Stoekel, Marta J. Kadziolka, Mi Ditmar, Randal Jorgensen, PhD, Craig Ewart, PhD, Psychology, Syracuse University, Syracuse, NY

36) Abstract 1729

UNFAIR TREATMENT AND SOURCES OF DISCRIMINATION: A LONGITUDINAL STUDY IN BLACK AND WHITE ADOLESCENTS

Danielle L. Beatty, PhD, Karen A. Matthews, PhD, Department of Psychiatry, University of Pittsburgh, Pittsburgh, PA.

37) Abstract 1396

MODERATE USE OF CAFFEINE AND ALCOHOL IS ASSOCIATED WITH REDUCED INFLAMMATION IN THE HEALTHY OLD

Michele L. Okun, PhD, Charles F. Reynolds III, MD, Martica Hall, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

38) Abstract 1338

CAFFEINE DISRUPTS GLUCOSE METABOLISM IN TYPE 2 DIABETES

J.D. Lane, PhD, Psychiatry, M.N. Feinglos, MD, Medicine, R.S. Surwit, PhD, Psychiatry, Duke University Medical Center, Durham, NC

39) Abstract 1762

OPENNESS TO EXPERIENCE AND STRESS RESILIENCE

Holly K. Rau, B.S., Psychology, Paula G. Williams, PhD, Clinical Psychology, Heather Gunn, M.S., Psychology, Matthew Cribbet, B.S., Psychology, Cameron Curtis, Psychology, University of Utah, Salt Lake City, Utah

40) Abstract 1767

DO DHEAS AND DHEA INCREASE IN RESPONSE TO ACUTE LAB STRESS?

Nicole Maninger, PhD, Wendy Wolfson, MA, Owen Wolkowitz, MD, Elissa Epel, PhD, Psychiatry, University of California, San Francisco, San Francisco, CA

41) Abstract 1240

EARLY-LIFE SOCIOECONOMIC CONDITIONS PREDICT IMMUNE CELL FUNCTION IN ADULTHOOD

Erin F. Nicholls, B.Sc., Hope A. Walker, B.Sc., Jasmen Sze, B.Sc., Psychology, Alexandra K. Fok, B.Sc., Michael S. Kobor, PhD, Medical Genetics, Gregory E. Miller, PhD, Edith Chen, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

Wednesday, March 12, 2008

42) Abstract 1690

REPLICATED RCBF CORRELATES OF OPENNESS TO EXPERIENCE: COMMON AND SEX-SPECIFIC FINDINGS

Angelina R. Sutin, PhD, Lori L. Beason-Held, PhD, Susan M. Resnick, PhD, Paul T. Costa, PhD, National Institute on Aging, National Institutes of Health, Baltimore, MD

43) Abstract 1692

SPECIFIC BRAIN REGIONS AND THEIR CONNECTIVITY ARE RELATED TO TASK-DRIVEN VARIATIONS IN RESPIRATORY SINUS ARRHYTHMIA

Israel C. Christie, PhD, Peter J. Gianaros, PhD, Matthew J. Robinson, Matthew F. Muldoon, Julie C. Price, J. Richard Jennings, University of Pittsburgh, Pittsburgh, PA

44) Abstract 1602

AUTONOMIC INFLUENCES ON HEART RATE REACTIVITY TO ACUTE STRESS FOLLOWING EMOTIONAL DISCLOSURE

Kathi L. Heffner, PhD, Lynne M. Rochette, M.S., Psychology, Ohio University, Athens, OH

45) Abstract 1705

INCREASED MYOCARDIAL FIBROSIS IN DEPRESSION: RESULTS FROM THE CARDIOVASCULAR HEALTH STUDY

Emily A. Kuhl, PhD, Willem J. Kop, PhD, Cardiology, University of Maryland Baltimore, Baltimore, MD, Eddy Barasch, MD, Cardiovascular Medicine, State University of New York at Stony Brook, Roslyn, NY, Russell P. Tracy, PhD, Pathology and Laboratory Medicine, University of Vermont, Burlington, VT, John S. Gottdiener, MD, Cardiology, University of Maryland Baltimore, Baltimore, MD

7:00 - 8:00 pm

COCKTAIL RECEPTION

Harborside Foyer

The Citation Posters will be on display during this reception, and you will also have uninterrupted poster viewing time beginning at 6:30 pm, immediately following the Special Presentation. Join with your colleagues at this opening reception while you have an extended opportunity to view the posters receiving special recognition.

Thursday, March 13

7:00 am - 6:00 pm	REGISTRATION	<i>Harborside Foyer</i>
7:00 am - 6:00 pm	STUDENT LOUNGE	<i>Heron Room</i>
7:00 - 8:00 am	ROUNDTABLE BREAKFAST	
	<p>BR 1: Business Aspects of Personalized Medicine <i>Falkland Room</i> <i>Faculty: Evian Gordon, PhD</i> Personalized (or prospective) medicine is emerging as a hot topic in both medical/scientific and lay communities. The evidence base is still too small to warrant third party coverage of many diagnostic (e.g., susceptibility genes) or prevention/treatment approaches. Nevertheless, the public is willing to pay out of pocket for these diagnostic and treatment services, and many health professionals are willing to sell them. This Roundtable Breakfast will provide the opportunity to learn about the business issues that arise in such a climate.</p>	
	<p>BR 2: Psychobiologic Mechanisms Linking Relationships and Health <i>Laurel A/B</i> <i>Faculty: Timothy Smith, PhD</i> The quality of social relationships predicts a variety of important health outcomes, and several psychobiologic mechanisms have been proposed as underlying these associations. This roundtable is intended to serve as a forum for interested researchers of all levels to discuss conceptual and methodological issues in the study of these social psychophysiological mechanisms. The discussion will focus on the conceptualization and measurement of various aspects of relationships (especially close relationships such as marriage), as well as the psychobiologic mechanisms (e.g., cardiovascular reactivity, heart rate variability, neuroendocrine responses, etc.). In addition to some formal presentation as needed, the roundtable will focus on participants' own questions and concerns regarding planned and on-going research. The inherent difficulty of manipulating or measuring the quality of close relationships in the laboratory and elsewhere in ecologically valid ways while simultaneously taking often technically complex and intrusive physiological measurements will likely be a major theme of the discussion. The roundtable will also hopefully facilitate the further development of informal networks of researchers at all levels working on these issues.</p>	
	<p>Sunrise Series 1: Perspectives on How to Strike a Life Balance in a Research/Academic Environment <i>Laurel C/D</i> <i>Faculty: Julian Thayer, PhD; Martica Hall, PhD and Susan Girdler, PhD</i> The stress associated with pursuing a career in a research or academic environment can sometimes seem overwhelming. Moreover, mounting responsibilities and interests that are often perceived as at odds with a research career (e.g. managing a family) can take a toll on emotional and physical health. The goal of this roundtable is to provide a forum to discuss these issues and provide potential solutions for maintaining balance in a research/academic setting. To discuss these timely issues and provide real world advice, we have three renowned scholars. First, Dr. Julian Thayer will provide his insights on his ability to strike a balance between his two passions, research and music. He will discuss his own personal experience of how he has managed to develop both an innovative research program in psychosomatic medicine and a successful international music career. Next, Dr. Martica Hall and Dr. Susan Girdler will provide their perspectives on the trials and tribulations of succeeding in research as a woman, and managing family life while navigating the tenure process. Finally, time will be allotted for open discussion by roundtable attendees.</p>	
8:15 - 9:00 am	<p>PRESIDENT'S AWARD <i>Harborside A-C</i> An Integrative Framework for Emotional Brain Organization: The Continuum of Wellness and Illness <i>Chair: William R. Lovallo, PhD; Presenter: Leanne Williams, PhD</i> In psychosomatic medicine research emotion has an important role in disease. 'Integrative neuroscience' (1) provides a framework for understanding emotional significance as a key element of human brain organization. In essence, the most fundamental principle determining significance is the axis of avoiding threat-attaining pleasure (2,3). Highest priority will be given to innate signals of potential threat, that have high contrast and unexpectedness. Signals of safety and potential pleasure have high symmetry and familiarity. At rapid time scales, emotional significance may be determined automatically and without conscious awareness via direct, excitatory networks. Over longer time scales, conscious controlled processing of detail, context and more abstract meaning occurs, with inhibitory feedback from higher-order cortical systems and autonomic arousal. This model has been applied to understanding individual variations in emotional stability, and the role of emotional brain instabilities in conditions such as anxiety, depression, psychosis, attention, eating and conversion disorders. The research pro-</p>	

gram has been supported by a global network of scientists using a standardized methodology (including behavioral, electrical brain-body function, structural and functional MRI and genetic measures) and large international database. The emotional brain organization model of wellness and illness, and implications of the research for psychosomatic medicine, are presented.

1. Gordon, E (Ed) (2000) Integrative Neuroscience: bringing together biological, psychological and clinical models of the human brain. Harwood Academic.
2. Williams LM (2006). An integrative model of 'significance' processing. *J Integrative Neuroscience*, 4, 1-47.
3. Williams LM & Gordon E (2007). Williams, L. M., & Gordon, E. (2007). Dynamic Organization of the Emotional Brain: Responsivity, Stability and Instability. *Neuroscientist*, 13, 4, 349-370

9:00 - 9:45 am

HERBERT WEINER EARLY CAREER AWARD

Harborside A-C

Brain-body Pathways to Cardiovascular Disease Risk

Chair: Richard Jennings, PhD; Presenter: Peter Gianaros, PhD

An individual's tendency to show exaggerated or otherwise dysregulated cardiovascular reactions to acute stressors has long been associated with increased risk for clinical and preclinical endpoints of cardiovascular disease. However, the neurobehavioral pathways that link stressor-evoked cardiovascular reactions to disease risk remain poorly defined. This presentation will review a line of neuroimaging research indicating that individual differences in one form of cardiovascular reactivity—blood pressure reactivity—vary with the functional and structural characteristics of a network of brain areas that are involved in processing stressors and regulating the cardiovascular system. Preliminary evidence will also be reviewed indicating that individual differences in the functional activity of two corticolimbic areas—the amygdala and anterior cingulate cortex—are associated with preclinical atherosclerosis in the carotid arteries. Contextually, this research will be offered as one example of how imaging neuroscience methods can help define the 'brain-body' pathways that link stressful experiences and health.

9:45 - 10:00 am

BREAK

10:00 - 11:30 am

INVITED PLENARY SYMPOSIUM

Harborside A-C

Of Mice and Men: Translational Research Linking Animal Models with Human Psychoneuroimmunology (PNI) - Implications for Health and Disease

Chair: Sarosh Motivala, PhD; Presenters: Robert Dantzer, DVM, PhD; Andrew Miller, MD and Michael R. Irwin, MD

Stress-related modulation of the immune system continues to be a prominent biological pathway examined in psychosomatic research. Employing both sophisticated animal models and diverse healthy and clinical human populations, PNI investigators are conducting cutting-edge research focused on complex and integrated brain-immune connections that may be critical to our understanding of psychiatric conditions (e.g. depression), disruption in health behaviors (e.g. sleep), susceptibility to infection, and, more broadly, the stress response. However, the link between the animal and human research and the findings that are complimentary to each other are often overlooked. To this end, we propose symposia integrating both animal and human findings and highlighting two prominent and overlapping research areas in PNI emphasizing the bi-directional communication between the brain (central) and the immune system (peripheral): 1) the PNI of sickness behavior- and 2) acute vs. chronic stress on immune function. At the conclusion of the symposia, it is anticipated that audience members will: 1) appreciate the complex interactions between the immune system and both brain and behavior 2) recognize the significant contribution animal models make to our understanding of human PNI and 3) appreciate how translational PNI research aids in our understanding in how psychosocial factors impact disease.

* Inflammation-associated Sickness and Depression: What Mice Tell Us

Robert Dantzer, DVM, PhD; Jason O'Connor and Keith W. Kelley, PhD

Because of the existence of immune-to-brain communication pathways, activation of the peripheral innate immune system induces the expression of proinflammatory cytokines not only at the periphery but also in the brain. The early expression of brain proinflammatory cytokines is responsible for the development of sickness behavior, which is normally terminated by the combined action of anti-inflammatory cytokines and other factors including glucocorticoids. Sickness is a normal response of the host to the threat of a pathogen just like fear in face of a predator. However, when inflammation remains unabated, symptoms of sickness can culminate in symptoms of depression. This last response is mediated by the activating effects of cytokines on the tryptophan degrading enzyme indoleamine 2,3 dioxygenase, which leads to the generation of tryptophan neurotoxic metabolites. These findings obtained in mice allow to understand why chronic inflammation is associated with symptoms of sickness and depression. They also point to new targets for the treatment of these disorders.

*** Cytokines Sing the Blues: Immune System Contributions to the Pathophysiology of Depression**

Andrew Miller, MD

Recent data indicate that the immune system may play a role in the pathophysiology of major depression, representing a novel pathway for future research and therapeutic development. Both medically ill and medically healthy patients with major depression have been found to exhibit evidence of an activated innate immune response as reflected by increased biomarkers of inflammation including innate immune cytokines, acute phase proteins, chemokines and adhesion molecules. In addition, administration of innate immune cytokines to laboratory animals and humans has been shown to induce behavioral changes that significantly overlap with the symptom criteria of major depression. Treatment of patients with inflammatory disorders using anti-cytokine therapies has also been found to reduce depressive symptoms. Interestingly, psychosocial stress, a well-known precipitant of depressive disorders, has been shown to activate the innate immune response. Finally, innate immune cytokines have been shown to influence virtually every pathophysiologic domain relevant to depression including monoamine neurotransmission, neuroendocrine function, synaptic plasticity, and regional brain metabolism. Taken together, these data provide the foundation for considering an activated innate immune response as a potential target for further study and therapeutic development in mood disorders, especially in the context of medical illness and treatment resistance.

*** Sleep and Inflammatory Signaling**

Michael R. Irwin, MD

Inflammation is associated with increased risk of cardiovascular disorders, arthritis, diabetes, and mortality. Given that epidemiological data implicate poor sleep as a predictor of chronic inflammatory disease, it is increasingly important to consider the consequences of sleep loss on inflammatory mechanisms. Recent evidence has found that sleep loss activates cellular expression of proinflammatory cytokines, with effects on up-stream sources of cellular inflammatory cytokine expression including up-regulation of the nuclear factor (NF)- κ B inflammatory signaling system and increases of inflammatory gene expression. In turn, correlative, observational studies demonstrate that such immune activation contributes to fatigue and to disturbances in sleep architecture in clinical populations. Moreover, experimental activation of innate immune responses has been found to drive behavioral changes with effects on neural reactivity as measured by fMRI. Hence, novel inflammatory cytokine antagonists (e.g., tumor necrosis factor α antagonists) are being used to target relevant inflammatory pathways and to determine the action of such blockade of inflammatory signaling on objective measures of sleep architecture in persons who have disordered sleep.

11:30 am - 12:45 pm

ROUNDTABLE LUNCHES (OR LUNCH ON YOUR OWN)

LR 1: Junior Faculty Development

Laurel A

Faculty: Mike Antoni, PhD; Elizabeth Brondolo, PhD and Karen Matthews, PhD

This roundtable is primarily geared toward junior faculty at the Instructor or Assistant Professor level. Senior scholars from Psychology and Psychiatry Departments will discuss “best practices” for junior faculty development, with some emphasis on the following: 1) Publishing: How to maximize quantity and quality; 2) The pros and cons of “soft” vs. “hard” money; 3) Balancing research, teaching/clinical work, and service; 4) The importance of grants (i.e. When to write your first R01? How do you incorporate funding priorities into your program of research?); and 5) Establishing a national reputation (How does one go about doing this?)

LR 2 : Tips on Getting the Most out of your Postdoc

Laurel B

Faculty: Simon L. Bacon, PhD and Jim Blumenthal, PhD

Transitioning from a graduate student or intern to a postdoctoral fellow is an exciting time in the process of becoming an independent investigator. How to pick the right mentor and training environment are critical steps in the process. This roundtable will cover issues related to 1) sources of funding for postdoctoral training; 2) deciding on the ideal kind of post doc for you; 3) selecting the right mentor; 4) picking the optimal training environment; 5) understanding the expectations of the mentor; 6) defining the expectations of the postdoc; and 7) ensuring that the post doctoral experience will optimize future employment opportunities.

LR 3: Research and the Popular Media

Laurel C

Faculty: Marilyn Elias and Redford Williams, MD

A growing trend in the news media (print, radio and television) is that nearly every day or week the news is filled with reports on “groundbreaking” health studies that may change your life. Unfortunately – and to the consternation of many health scientists – these reports too often simplify and generalize findings that also may lead to misunderstandings about the true value and implications of the research involved. Why is this so? Who is at fault? The journalist who is on a deadline? The scientist who may be willing to sacrifice accuracy for notoriety? The public relations department who may stretch the value of research to get media attention? What responsibility do information consumers have? What do researchers and

news media do right and how can they do it better? This roundtable will explore these issues and has the following objectives: (1) To increase the recognition of scientific research that warrants news coverage; (2) To help improve the quality of reporting of health research; and (3) To improve communication strategies between scientists and the media.

LR 4: Integrative Neuroscience

Laurel D

Faculty: Leanne Williams, PhD; Evian Gordon, PhD and Richard Lane, MD, PhD

During this Roundtable Lunch on Integrative Neuroscience, Leanne Williams (2008 President's Award recipient), Evian Gordon and Richard Lane will lead an interactive discussion that will touch on several important topics in psychosomatic medicine, including new developments in imaging of conscious and unconscious emotions, emerging evidence that genes influence brain structure and function, and the application of neuroscience research to the emerging field of personalized medicine. The purpose of this presentation is to facilitate communication between clinicians and researchers interested in neuroscience, and to generate new ideas and encourage collaboration among individuals with complimentary interests and skill sets.

11:30 am - 12:45 pm

SPECIAL MEETINGS

Psychosomatic Medicine Editorial Board Lunch
By invitation only

Falkland Room

Textbook Committee Meeting
By invitation only

Galena Room

12:45 - 2:15 pm

CONCURRENT SESSIONS

Invited Symposium: Bridging the Gap Between Cardiology and Psychology

Harborside C

Chair and Discussant: Redford Williams, MD; Presenters: Samuel F. Sears Jr., PhD; Rachel Lampert, MD; Susanne S. Pedersen, PhD and Christiane Angermann, MD

Cardiology is continuously evolving, with treatment options for cardiac patients expanding and improving. Drug-eluting stents, cardioverter-defibrillator and cardiac resynchronization therapies comprise some of these innovations that are being rapidly applied in clinical practice. For example, the implantable cardioverter defibrillator (ICD) was initially only indicated in patients who had experienced a sudden cardiac arrest, whereas current guidelines now also advocate its prophylactic use, leading to a significant increase in the number of implantations worldwide. Adjunctive support to the new device therapies include home monitoring and the patient alert feature. However, despite the success of these techniques from a medical point of view, research on how patients react to these new treatment options and which role psychological factors play in terms of affecting patient-centered outcomes, such as quality of life, are often lacking behind. The objective of this symposium is to examine current evidence on the role of psychological factors in ICD patients and patients with chronic heart failure, with a view to discussing the future role of psychological factors in clinical cardiology and how we can further bridge the gap between cardiology and psychology to improve clinical care and patient-centered outcomes.

* Overcoming the Shock of the ICD

Samuel F. Sears Jr., PhD

The implantable cardioverter defibrillator (ICD) has emerged from clinical trials as "the treatment of choice" vs. medications alone for patients with potentially lethal ventricular arrhythmias. However, cardiac illness and device based care, such as ICDs, may prompt symptoms of anxiety and depression. The inter-relationship between psychological and physical health will be reviewed and specific strategies for managing the impact of ICD shocks on patient quality of life will be presented. Learning Objectives: At the conclusion of the program the learner will be able to: Identify the inter relationship research between cardiac disease and psychological health; Be familiar with treatment outcome studies to improve adjustment to cardiac devices; List three specific strategies for managing the impact of device based care on patient quality of life (QOL)

* Psychological Stress and Arrhythmogenesis

Rachel Lambert, MD

Epidemiological evidence suggests that emotional stress can lead to sudden death, as evidenced during population stressors such as earthquake, war, and World Cup soccer matches. The mechanisms of this effect, however, remain poorly understand. Abundant evidence describes the role of stress in inducing coronary ischemia. However, the impact of stress on arrhythmogenesis has been less well-described.

Some data do however point to a role of autonomic activation and stress in inducing ventricular arrhythmias. For example, epidemiological data has shown an increase in ICD-treated arrhythmias in

the wake of the 9/11. Further, data from diary-based studies suggests that anger can trigger ventricular arrhythmias, and that anger-treated arrhythmias are more likely to be polymorphic and thus lethal. Studies exploring the mechanisms of these effects suggest that emotionally-induced increases in catecholamines may lead to repolarization changes which are precursors to arrhythmia. Further research is needed into the mechanisms of stress-induced arrhythmia, as well as into therapeutic approaches targeting emotion-induced arrhythmia.

*** Type D Personality in Heart Failure and Heart Transplantation: A Clinically Relevant Risk Indicator or an Artifact?**

Susanne S. Pedersen, PhD

The *distressed* (Type D) personality is an emerging, but debated, risk indicator in cardiovascular disease (CVD) associated with adverse health outcomes, independent of mood states, disease severity and other risk factors. Patients with this personality disposition are defined by increased negative emotions paired with inhibited self-expression. The bulk of Type D research has been conducted in patients with ischemic heart disease, although there is increasing evidence that Type D may also be of value in other CVD patient groups, including heart failure, patients treated with cardioverter-defibrillator therapy, and heart transplantation recipients. This presentation will first have a brief look at the underpinnings of the construct and discuss its overlap with and distinctiveness from other constructs and CVD risk factors, but the primary focus will be on the impact of Type D personality on health and clinical outcomes in heart failure patients and heart transplantation recipients, including potential mechanisms that may explain this link.

*** Depression in Chronic Heart Failure: Complication, Risk Factor or Autonomous Disease?**

Christiane Angermann, MD

According to a large meta-analysis the prevalence of clinically significant (major) depression in patients with chronic heart failure is more than 21%. Thus, compared with the general population, depression is 4-5 times more common in patients suffering from this disease. Aetiological factors include individual (genetic) disposition and social environment as well as psychosocial stress and biological risk factors related to the chronic cardiac illness. As in coronary artery disease, mortality rates are increased in patient suffering from chronic heart failure and co-morbid depression. Possible mechanisms mediating this relationship include again both, biological factors (e.g. severity of chronic heart failure, autonomic and immunological dysregulation, systemic inflammation, multiple co-morbidities) and behavioural mechanisms (health behaviour, compliance with pharmacological and non-pharmacological therapy). Shared pathophysiological pathways as well as a common genetic determinants are also discussed. Simple screening instruments and effective treatment options (psychotherapy, selective serotonin re-uptake inhibitors) are available. However, at present evidence is lacking that beyond improvement of depression and quality of life these strategies impact favourably on morbidity and mortality in patients with cardiovascular disease.

Paper Session: From Cell to Syndrome: Genetic and Imaging Neuroscience Studies of Affect and Neurovisceral Function in Health and Disease

Harborside D

Chair: Peter Gianaros, PhD

Abstract 1400

ANXIETY AND DEPRESSION SHOW OPPOSITE PATTERNS OF ASSOCIATIONS WITH GLUCOCORTICOID RECEPTOR EXPRESSION IN CHILDREN

Jutta M. Wolf, PhD, Edith Chen, PhD, Psychology, UBC, Vancouver, BC, Canada

Abstract 1053

GREATER DEPRESSIVE SYMPTOM SEVERITY IS RELATED TO ATTENUATED AMYGDALA - SUPRAGENUAL CINGULATE FUNCTIONAL COUPLING IN INDIVIDUALS WITH MAJOR DEPRESSIVE DISORDER

Scott C. Matthews, MD, Alan N. Simmons, PhD, Psychiatry, University of California San Diego and VASDHS, La Jolla, CA, Irina A. Strigo, PhD, Tony T. Yang, MD, PhD, Psychiatry, University of California San Diego, La Jolla, CA, Martin P. Paulus, MD, Psychiatry, University of California San Diego and VASDHS, La Jolla, CA

Abstract 1387

ALTERATIONS IN NEURAL CORRELATES OF AUTONOMIC CONTROL IN FEMALES WITH MAJOR DEPRESSIVE DISORDER

Allison C. Nugent, PhD, Section on Neuroimaging in Mood and Anxiety Disorder, National Institute of Mental Health, Bethesda, MD, Earle E. Bain, MD, Neuroscience and Anesthesia Development, Abbott, Abbott Park, IL, John J. Sollers, PhD, Julian F. Thayer, PhD, Psychology, Ohio State University, Columbus, OH, Wayne C. Drevets, MD, Section on Neuroimaging in Mood and Anxiety Disorder, National Institute of Mental Health, Bethesda, MD

Abstract 1563

ACUTE TRYPTOPHAN DEPLETION (ATD) ALTERS THE EFFECTIVE CONNECTIVITY OF AN EMOTIONAL AROUSAL NETWORK DURING VISCERAL PAIN

Jennifer S. Labus, PhD, Psychiatry and Biobehavioral Sciences, Emeran A. Mayer, MD, Medicine, Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, Los Angeles, CA, T.O.C. Kilkens, MD, Psychiatry & Neuropsychology, University of Maastricht, 6202AZ Maastricht, the Netherlands, E.A. T. Evers, MD, Psychiatry and Neuropsychology, University of Maastricht, 6202AZ Maastricht, the Netherlands, R-J. M. Brummer, MD, Gastroenterology, W H. Backes, MD, Radiology, University of Maastricht, 6202 AZ Maastricht, the Netherlands, M A. van Nieuwenhoven, MD/PHD, Gastroenterology, University of Maastricht, 6202AZ Maastricht, the Netherlands

Abstract 1595

5-HTTLPR GENOTYPE MODERATES BRAIN NETWORK ACTIVITY DURING VISCERAL PAIN

Jennifer S. Labus, PhD, Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, Los Angeles, California, Emeran A. Mayer, MD, Medicine, Psychiatry and Biobehavioral Science, University of California, Los Angeles, Los Angeles, CA, T Hamaguchi, MD, T Mizuno, MD, Behavioral Medicine, Tohoku University Graduate School of Medicine, Aoba, Sendai, Japan, M Kano, MD, Behavioral Medicine, University Graduate School of Medicine, Aoba, Sendai, Japan, Shin Fukudo, MD/PHD, Behavioral Medicine, Tohoku University Graduate School of Medicine, Aoba, Sendai, Japan

Abstract 1420

CHANGES IN BRAIN FUNCTION BY HYPNOTIC SUGGESTION IN PATIENTS WITH IRRITABLE BOWEL SYNDROME AND HEALTHY SUBJECTS

Shin Fukudo, Takahiro Terui, MD, Satoshi Watanabe, PhD, Toyohiro Hamaguchi, PhD, Behavioral Medicine, Kazuhiko Yanai, MD, PhD, Pharmacology, Masatoshi Itoh, MD, PhD, CYRIC, Motoyori Kanazawa, MD, PhD, Behavioral Medicine, Tohoku University Graduate School of Medicine, Sendai, Japan

Paper Session: Biopsychosocial Predictors of Health and Well-being in Cancer

Harborside E

Chair: Deidre Pereira, PhD

Abstract 1673

PSYCHOLOGICAL PREDICTORS OF POOR SLEEP THE NIGHT BEFORE BREAST CANCER SURGERY

Caroline E. Wright, PhD, Guy H. Montgomery, PhD, Dana H. Bovbjerg, PhD, Oncological Sciences, Mount Sinai School of Medicine, New York, NY

Abstract 1406

OBJECTIVE AND SUBJECTIVE CAREGIVER BURDEN FOLLOWING AUTOLOGOUS STEM CELL TRANSPLANT.

Virginia M. Boquiren, MSc, Psychology, Rosalind Franklin University of Medicine & Science, North Chicago, IL, Patricia B. Mumby, PhD, Department of Psychiatry and Behavioral Neuroscience, Patrick Stiff, MD, Department of Medicine, Hematology/Oncology, Loyola University Medical Center, Maywood, IL

Abstract 1205

DAILY STRESS PREDICTS PSYCHOLOGICAL AND PHYSICAL SYMPTOMS AND HPA PROFILES AMONG CANCER SURVIVORS

Erin S. Costanzo, PhD, Carol Ryff, PhD, Psychology, University of Wisconsin, Madison, WI, Sean Banks, MS, Human Development & Family Studies, Penn State, State College, PA, Christopher Coe, PhD, Psychology, University of Wisconsin, Madison, WI, David Almeida, PhD, Human Development & Family Studies, Penn State, State College, PA

Abstract 1440

MODERATORS OF CELL-MEDIATED IMMUNE RESPONSE TO HPV IN HEAD AND NECK CANCER PATIENTS

Carolyn Y. Fang, PhD, Population Science, John A. Ridge, MD, PhD, Miriam N. Lango, MD, Medical Science, Margret Einarson, PhD, Basic Science, Fox Chase Cancer Center, Philadelphia, PA, Jamie L. Studts, PhD, Behavioral Science, University of Kentucky School of Medicine, Lexington, KY, Donald E. Campbell, PhD, Steven D. Douglas, MD, Immunology, The Children's Hospital of Philadelphia, Philadelphia, PA

Abstract 1089

INFLAMMATORY PROCESSES, DIURNAL CORTISOL, AND VEGETATIVE DEPRESSION IN OVARIAN CANCER PATIENTS

Susan Lutgendorf, PhD, Aliza Weinrib, M.A., Patrick Henderson, BS, Psychology, U. of Iowa, Iowa City, IA, Koen DeGeest, MD, OB/Gyn, U. of Iowa, Iowa City, IA, Frank Penedo, PhD, Cecilia Torres, BA, Psychology, U. of Miami, Coral Gables, FL, Joseph A. Lucci III, MD, OB/Gyn, U. of Miami, Miami, FL, Sandra Sephton, PhD, Psychology, U. of Louisville, Louisville, KY, Nicolas Rohleder, PhD, Psychology,

U. of Brit.Columbia, Vancouver, BC, CA, Erin Costanzo, PhD, Psychology, U. of Wisconsin, Madison, WI, Steve Cole, PhD, Hem/Onc, UCLA, Los Angeles, CA, Anil Sood, MD, Gyn/Oncology, MD Anderson Cancer Center, Houston, Tx, David Lubaroff, PhD, Urology, U. of Iowa, Iowa City, IA

Abstract 1246

GLUCOSE AS A PROGNOSTIC FACTOR IN OVARIAN CARCINOMA

Donald M. Lamkin, MA, Psychology, Douglas R. Spitz, PhD, Radiation Oncology, Bridget Zimmerman, PhD, Biostatistics, Koen DeGeest, MD, Obstetrics & Gynecology, David M. Lubaroff, PhD, Urology, University of Iowa, Iowa City, Iowa, Anil K. Sood, MD, Gynecologic Oncology, MD Anderson Cancer Center, University of Texas, Houston, Texas, Susan K. Lutgendorf, PhD, Psychology, University of Iowa, Iowa City, Iowa

2:15 - 2:30 pm

BREAK

2:30 - 4:00 pm

CONCURRENT SESSIONS

Paper Session: Depression & CVD

Harborside C

Chair: Kim Lavoie, PhD

Abstract 1231

ASSOCIATIONS AND TIME COURSE OF DEPRESSION AND VITAL EXHAUSTION IN CORONARY ARTERY DISEASE PATIENTS

Chiao-wen Hsiao, M.A., Medical & Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, Willem J. Kop, PhD, Division of Cardiology, U of Maryland Medical Center, Baltimore, MD, Heather L. Rogers, M.S., Anna Ghambaryan, M.S., Kerry Whittaker, B.S., David S. Krantz, PhD, Medical & Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD

Abstract 1619

MECHANISMS OF ASSOCIATION BETWEEN DEPRESSIVE SYMPTOMS AND CARDIOVASCULAR EVENTS IN THE HEART AND SOUL STUDY

Mary A. Whooley, MD, Medicine, University of California, San Francisco, San Francisco, CA

Abstract 1064

HEALTH BEHAVIORS MEDIATE THE RELATIONSHIP BETWEEN DEPRESSIVE SYMPTOMS AND CVD AND ALL-CAUSE MORTALITY: THE FRAMINGHAM HEART OFFSPRING STUDY

Jennifer L. Gordon, BSc, Eric B. Loucks, PhD, Kim L. Lavoie, PhD, Blaine Ditto, PhD, André Arsenault, MD, Simon L. Bacon, PhD, Montreal Behavioural Medicine Centre, McGill/ UQAM/ MHI/ HSCM/ Concordia, Montreal, Quebec, Canada

Abstract 1451

NIGHTTIME HEART RATE AND SURVIVAL IN DEPRESSED PATIENTS FOLLOWING ACUTE MYOCARDIAL INFARCTION

Robert M. Carney, PhD, Kenneth E. Freedland, PhD, Psychiatry, Washington University, St. Louis, MO, James A. Blumenthal, PhD, Psychiatry, Duke University, Durham, NC, William A. Steinhoff, B.S., Psychiatry, Washington University, St. Louis, MO, Lana Watkins, PhD, Psychiatry, Duke University, Durham, NC

Abstract 1450

HISTORY OF DEPRESSION AND SURVIVAL FOLLOWING ACUTE MYOCARDIAL INFARCTION

Kenneth E. Freedland, PhD, Psychiatry, Washington University School of Medicine, St. Louis, Missouri, Robert M. Carney, PhD, Psychiatry, Washington University School of Medicine, St. Louis, MO, Karina W. Davidson, PhD, Medicine, Columbia University, New York, NY, James A. Blumenthal, PhD, Psychiatry, Duke University, Raleigh, NC, Peter de Jonge, PhD, Psychiatry and Internal Medicine, University Medical Centre Groningen, Groningen, The Netherlands

Abstract 1188

SUPPORT, CONFLICT, AND DEPRESSION IN CARDIAC PATIENTS AND THEIR SPOUSES

Martine Habra, PhD, Psychiatry, CHUM, Université de Montréal, Montreal, Quebec, Canada, Nancy Frasure-Smith, PhD, Nursing/Psychiatry, McGill University, Montreal Heart Institute, CHUM, Montreal, Quebec, Canada, Margaret Purden, PhD, Nursing, SMBD-Jewish General Hospital, McGill University, Montreal, Quebec, Canada, Francois Lespérance, MD, Psychiatry, CHUM, Université de Montréal, Montreal, Quebec, Canada

Invited Symposium: Integrative Neuroscience

Harborside D

Chair: William R. Lovallo, PhD; Presenters: Turhan Canli, PhD; Bruce N. Cuthbert, PhD and Evian Gordon, PhD

Questions about the biological mechanisms that link individual differences in personality and emotion with physical and mental health are fundamental to psychosomatic research. In recent years, the APS has been at the forefront of addressing these questions by bringing together leaders in the fields of affect science, neuroscience and genetics—thematic areas that are targeted by APS leadership as key areas of growth in psychosomatic medicine. This plenary symposium by established investigators will build on prior successful cutting-edge symposia by presenting cross-disciplinary research directly relevant to the liaison theme of the upcoming meeting.

* A Neural Model of Gene-Environment Interaction in Affective Processing

Turhan Canli, PhD

Neuroticism, a risk factor for depression, is associated with a repeat length variation in the transcriptional control region of the serotonin transporter gene, which renders carriers of the short variant vulnerable for depression when exposed to life stress. The neural basis of this association is unknown. We investigated the underlying neural mechanisms of these epigenetic processes in individuals with no history of psychopathology, using magnetic resonance-based imaging, genotyping, and self-reported life stress and rumination. Based on fMRI and perfusion data, we found support for a model by which life stress interacts with the effect of serotonin transporter genotype on amygdala and hippocampal resting activation, two regions involved in depression and stress. Life stress also differentially affected, as a function of serotonin transporter genotype, individuals' level of rumination. We conclude that individual differences in vulnerability towards, or resilience against, mood disorders may be mediated by a gene x environment interaction. Neural correlates of these interactions are seen in brain regions previously associated with affective processing and brain response to stress, and may serve as biological vulnerability/resilience markers in future longitudinal studies.

* Brain Motivational Systems and the Internalizing Disorders

Bruce N. Cuthbert, PhD

The various mood and anxiety disorders are traditionally regarded as separate diagnostic categories. However, extensive co-morbidity is much more the rule than the exception for these mental disorders, and substance abuse problems co-occur at a high rate as well. This situation complicates treatment decisions and outcomes, and also frustrates attempts to understand any single disorder. Over the past several years, advances in knowledge about brain-behavior relationships in emotion and motivation have provided considerable traction for new ways of thinking about the nature of internalizing psychopathology. This presentation will focus on recent research regarding three major dimensions of temperament - negative emotionality, positive emotionality, and behavioral regulation - and the fundamental brain motivational systems that implement these behavioral domains. It will be argued that progress in understanding the psychopathology - and, importantly, the heterogeneous combinations of comorbidity - for these varying clinical phenotypes will come not from considering them as psychological independent variables, but rather as outcomes that result from varying patterns of dysregulation both within and among the brain's motivational systems. Recent studies in mood and anxiety disorders, employing a variety of methodologies, will be discussed to illustrate this translational neuroscience perspective and the implications for a future research agenda.

* Integrative Neuroscience: Identifying Objective Markers of Psychiatric Disorder

Evian Gordon, PhD

There is little consensus about which objective markers should be used to assess major psychiatric disorders, and predict/evaluate treatment response for these disorders. Clinical practice relies instead on subjective signs and symptoms, such that there is a "translational gap" between research findings and clinical practice. This gap arises from: a) a lack of integrative theoretical models which provide a basis for understanding links between gene-brain-behavior mechanisms and clinical entities; b) the reliance on studying one measure at a time so that linkages between markers and their specificity are not established; and c) the lack of a definitive understanding of what constitutes normative function. Here, we take an 'integrative neuroscience' approach, which stresses essential commonalities across discipline-based theories, as a way forward in developing testable models that consider multiple contributing factors. Using this framework, we draw on a standardized methodology for acquiring multiple sources of genomic, brain and behavioral data in the same subjects. This methodology has been used to establish a large, standardized normative international database. Using this base, we propose and test candidate markers of selected psychiatric disorders: depression, post-traumatic stress disorder, schizophrenia, attention-deficit/hyperactivity disorder and dementia disorders. Preliminary findings for a number of disorders in relation to the proposed markers are presented. Establishing these objective markers will be the first step towards determining their sensitivity, specificity and treatment prediction in individual patients.

1. Gordon, E. (2003). Integrative Neuroscience. *Neuropsychopharmacology*, 28, S2-S8
2. Gordon, E., Cooper, N., Rennie, C. J., Hermens, D., Williams, L. M. (2005). Integrative Neuroscience: The Role of the Standardized Database. *Clinical EEG and Neuroscience*, 36, 64-75
3. Gordon, E. et al. (2007). Integrating objective gene-brain-behavior markers of psychiatric disorders. *J. Integrative Neuroscience*, 6, 1-34.

Paper Session: Eating, Obesity, and Metabolic Dysfunction

Harborside E

Chair: Simon Bacon, PhD

Abstract 1728

STRESS REACTIVITY AND DYSREGULATED EATING IN YOUNG CHILDREN

Lori A. Francis, Ph.D, Biobehavioral Health, Douglas A. Granger, Ph.D, Biobehavioral Health; Human Development and Family S, Elizabeth J. Susman, PhD, Biobehavioral Health; Nursing, The Pennsylvania State University, University Park, PA

Abstract 1530

GENETIC INFLUENCES ON APPETITE IN CHILDREN: A TWIN STUDY

Jane Wardle, PhD, Susan Carnell, PhD, Epidemiology and Public Health, University College London, London, UK, Claire M. Haworth, MSc, Robert Plomin, PhD, Social, Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, London, UK

Abstract 1529

APPETITE AND ADIPOSITY IN CHILDREN

Jane Wardle, PhD, Susan Carnell, PhD, Epidemiology and Public Health, University College London, London, London, UK

Abstract 1299

INCREASED INTRA-ABDOMINAL FAT IN WOMEN AND MEN WITH MAJOR DEPRESSIVE DISORDER

Wiebke Greggersen, MD, Eva Fassbinder, MD, Sebastian Rudolf, Kai G. Kahl, MD, Psychiatry and Psychotherapy, Achim Peters, MD, Internal Medicine I, Ulrich Schweiger, MD, Psychiatry and Psychotherapy, Luebeck Medical School, Luebeck, Germany

Abstract 1143

BIOPSYCHOSOCIAL APPROACH TO NONDIABETIC GLUCOSE METABOLISM: THE INTERACTING INFLUENCES OF AGE, STRESS, COPING, AND OBESITY

Vera K. Tsenkova, MA, Psychology, Gayle D. Love, PhD, Burton Singer, PHD, Institute on Aging, Carol D. Ryff, PHD, Psychology, University of Wisconsin-Madison, Madison, WI

Abstract 1163

LEVELS OF ALLOSTATIC LOAD VARY BY SELF-RATING OF HEALTH

Tara Gruenewald, PhD, Arun Karlamangla, MD/PhD, Perry Hu, MD/PhD, Teresa Seeman, PhD, Medicine/Geriatrics, Geffen School of Medicine at UCLA, Los Angeles, CA

4:00 - 4:15 pm

BREAK

4:15 - 5:15 pm

CONCURRENT SESSIONS

Paper Session: Cellular Mechanisms of Psychosocial Effects on Health

Harborside A/B

Chair: Karen Wehls, MD

Abstract 1177

THE POWER OF NEGATIVE THINKING: ASSOCIATIONS BETWEEN PESSIMISM AND TELOMERE LENGTH IN OLDER WOMEN

A O'Donovan, MPsychSc, W Wolfson, MA, J Lin, PhD, A Lazaro, BSc, R Whitmore, BA, H Tylova-Stein, BA, University of California, San Francisco, San Francisco, CA, J Tillie, BSc, F Dhabhar, PhD, Stanford University, Palo Alto, CA, O Wolkowitz, MD, E Blackburn, PhD, E Epel, PhD, University of California, San Francisco, San Francisco, CA

Abstract 1785

EARLY LIFE ADVERSITY AND ACCELERATED CELL AGING IN ADULTS

Owen M. Wolkowitz, MD, Elissa S. Epel, PhD, Heather Burke, PhD, Psychiatry, Jue Lin, PhD, Biochemistry, Elizabeth Blackburn, PhD, Biochemistry, Rebecca Rosser, BA, Eve Kupferman, PhD, Victor I. Reus, MD, Craig Nelson, Psychiatry, Synthia Mellon, PhD, OB/GYN, UCSF, San Francisco, CA

Abstract 1462

IN VITRO EFFECTS OF STRESS HORMONES ON REGULATORY T CELL SUBPOPULATIONS IN HUMAN PBMC

Gailen D. Marshall, MD PhD, Denise D. Montgomery, MT(ASCP), Medicine/Clinical Immunology and Allergy, University of Mississippi Medical Center, Jackson, MS, James B. Brock, BS, Medicine/Clinical

Immunology and Allergy, University of Mississippi Medical Center, Jackson, MS, Blaine C. Britt, BS, Medicine/Clinical Immunology and Allergy, University of Mississippi Medical Center, Jackson, MS

Abstract 1050

THE HEPATIC VAGUS NERVE ATTENUATES FAS-INDUCED APOPTOSIS IN THE MOUSE LIVER VIA ALPHA-7 NICOTINIC ACETYLCHOLINE RECEPTOR

Tetsuya Hiramoto, MD, Psychosomatic Medicine, Graduate School of Medical Sciences Kyushu Univ, Fukuoka, Japan, Yoichi Chida, MD PhD., Epidemiology and Public Health, University College London, London, England, Junko Sonoda, MD, Kazufumi Yoshihara, MD PhD., Nobuyuki Sudo, MD PhD., Chiharu Kubo, MD PhD., Psychosomatic Medicine, Graduate School of Medical Sciences, Kyushu Univ, Fukuoka, Japan

Paper Session: CHD Risk Factors

Harborside C

Chair: Christian Albus, MD

Abstract 1650

WORKPLACE MANAGERIAL LEADERSHIP AND ISCHEMIC DISEASE AMONG EMPLOYEES: THE SWEDISH WOLF STUDY

Anna Nyberg, master in psychology, Stress Research Institute, Stockholm University, Stockholm, Sweden, Lars Alfredsson, Environmental Medicine, Töres Theorell, Public Health Sciences, Karolinska Institute, Stockholm, Sweden, Hugo Westerlund, PhD, Stress Research Institute, Stockholm University, Stockholm, Sweden, Jussi Vahtera, Professor, Finnish Institute of Occupational Health, Helsinki, Finland, Mika Kivimäki, Professor, Epidemiology and public health, UCL, London, UK

Abstract 1252

HOT FLASHES AND SUBCLINICAL CARDIOVASCULAR DISEASE: FINDINGS FROM THE STUDY OF WOMEN'S HEALTH ACROSS THE NATION HEART STUDY

Rebecca C. Thurston, PhD, Psychiatry, Kim Sutton-Tyrrell, DrPH, Epidemiology, University of Pittsburgh, Pittsburgh, PA, Susan Everson-Rose, PhD, Program in Health Disparities Research, University of Minnesota, Minneapolis, MN, Rachel Hess, MD, Medicine, Karen Matthews, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Abstract 1758

OMEGA-3 FATTY ACIDS AND VENTRICULAR ECTOPY FOLLOWING ACUTE MYOCARDIAL INFARCTION

Patrick J. Smith, BA, Michael A. Babyak, PhD, James A. Blumenthal, PhD, Anastasia Georgiades, PhD, Andrew Sherwood, PhD, Psychiatry and Behavioral Sciences, Michael H. Sketch, MD, Medicine, Lana L. Watkins, PhD, Psychiatry and Behavioral Sciences, Duke University, Durham, NC

Abstract 1743

NEGATIVE AFFECT OVER MULTIPLE SMOKING LAPSES: AN INVESTIGATION USING ECOLOGICAL MOMENTARY ASSESSMENT

Hilary A. Tindle, MD, Medicine, Saul Shiffman, PhD, Psychology, Qianyu Dang, PhD, Medicine, University of Pittsburgh, Pittsburgh, PA

Symposium 1207: Inflammation and Neuroimaging

Harborside D

Chair: Mary-Frances O'Connor, PhD

Mary-Frances O'Connor, PhD, Cousins Center for PNI, UCLA, Los Angeles, CA, Neil Harrison, MD, Institute of Cognitive Neuroscience, University College London, London, UK, Anna Maarsland, PhD, Psychology, Univ of Pittsburgh, Pittsburgh, PA

Abstract 1208

PRO-INFLAMMATORY CYTOKINES ASSOCIATED WITH SUBGENUAL ANTERIOR CINGULATE ACTIVITY DURING GRIEF ELICITATION

Mary-Frances O'Connor, PhD, Cousins Center for PNI, UCLA, Los Angeles, CA

Abstract 1210

SICKNESS AND INFLAMMATION CAUSE MOOD CHANGES THROUGH ALTERATIONS IN SUBGENUAL CINGULATE ACTIVITY AND MESOLIMBIC CONNECTIVITY

Neil A. Harrison, MD, Institute of Cognitive Neuroscience, University College London, London, London, UK

Abstract 1211

INTERLEUKIN-6 COVARIES INVERSELY WITH HIPPOCAMPAL GREY MATTER VOLUME IN MIDDLE-AGED ADULTS

Anna L. Marsland, PhD, Psychology, Univ of Pittsburgh, Pittsburgh, PA

Symposium 1237: Pathways Linking Mindfulness and Health Outcomes

Harborside E

Chair: J. David Creswell, PhD; Discussant: Kirk Brown, PhD

J. David Creswell, PhD, J. David Creswell, PhD, Cousins Center for Psychoneuroimmunology, University of California, Los Angeles, Los Angeles, CA, Sara Lazar, PhD, Psychiatry, Massachusetts General Hospital, Charlestown, MA, Kirk W. Brown, PhD, Psychology, Virginia Commonwealth University, Richmond, VA, Margaret E. Kemeny, PhD, Psychiatry, University of California, San Francisco, San Francisco, CA

Abstract 1239

NEURAL AND BEHAVIORAL CORRELATES OF DISPOSITIONAL MINDFULNESS DURING STRESS

J. David Creswell, PhD, Cousins Center for Psychoneuroimmunology, Naomi I. Eisenberger, PhD, Shelley E. Taylor, PhD, Psychology, Teresa E. Seeman, PhD, Medicine-Geriatrics, University of California, Los Angeles, Los Angeles, CA

Abstract 1404

NEURAL CORRELATES OF RESPIRATORY CONTROL DURING MINDFULNESS MEDITATION: BEHAVIORAL INFLUENCES ON RESPIRATION

Sara W. Lazar, PhD, Psychiatry, Massachusetts General Hospital, Charlestown, MA

Abstract 1574

IMPACT OF A MEDITATION/EMOTION REGULATION TRAINING PROGRAM ON PSYCHOBIOLOGICAL RESPONSES TO EMOTIONAL AND SOCIAL CHALLENGE

Margaret E. Kemeny, PhD, Psychiatry, University of California, San Francisco, San Francisco, CA, James Cavanaugh, B.A., Psychology, University of Arizona, Tucson, AZ, Carol Foltz, PhD, Health Psychology, Paul Ekman, PhD, Psychiatry, University of California, San Francisco, San Francisco, CA, Patricia Jennings, PhD, Child and Adolescent Development, San Francisco State University, San Francisco, CA, B.A. Wallace, PhD, Santa Barbara Institute, Santa Barbara, CA

5:15 - 6:30 pm

Poster Session 1

Harborside Foyer

46) Abstract 1417

IS TYPE D PERSONALITY MODIFIABLE: PRELIMINARY RESULTS FROM THE MIND-IT STUDY

Peter de Jonge, PhD, Psychiatry, University of Groningen, Groningen, Netherlands, Joost P. van Melle, Ph.D, Cardiology, University Medical Centre Groningen, Groningen, Netherlands, Johan Ormel, Ph.D, Psychiatric Epidemiology, University of Groningen, Groningen, Netherlands, Johan Denollet, PhD, Medical Psychology, Tilburg University, Tilburg, Netherlands

47) Abstract 1415

POST-MYOCARDIAL INFARCTION DEPRESSION AND CARDIAC PROGNOSIS: ARE THE EFFECTS DUE TO UNDERUSE OF BETABLOCKERS?

Peter de Jonge, PhD, Psychiatry, University of Groningen, Groningen, Netherlands, Joost P. van Melle, PhD, Cardiology, University Medical Centre Groningen, Groningen, Netherlands, Johan Ormel, PhD, Psychiatric Epidemiology, University of Groningen, Groningen, Netherlands

48) Abstract 1364

TYPE D PERSONALITY IS RELATED TO INCREASED OXIDATIVE STRESS IN CHRONIC HEART FAILURE

Nina Kupper, PhD, Yori Gidron, PhD, Medical Psychology, Tilburg University, Tilburg, Noord-Brabant, The Netherlands, Jobst Winter, PhD, Cardiology, TweeSteden hospital, Tilburg, Tilburg, Noord-Brabant, The Netherlands, Johan Denollet, PhD, Medical Psychology, Tilburg University, Tilburg, Noord-Brabant, The Netherlands

49) Abstract 1366

TYPE-D PERSONALITY AND CHRONIC KIDNEY DISEASE AS PREDICTORS OF PRO- AND ANTI-INFLAMMATORY CYTOKINE LEVELS IN HEART FAILURE

Nina Kupper, PhD, Angélique A. Schiffer, MSc, Martijn Kwaijtaal, PhD, Medical Psychology, Tilburg University, Tilburg, Noord-Brabant, The Netherlands, Herbert Hooijkaas, PhD, Immunology Department, Erasmus MC, Rotterdam, Zuid-Holland, The Netherlands, Eric H. Hendriks, MSc, Jos Widdershoven, PhD, Dept. of Cardiology, TweeSteden hospital, Tilburg, Tilburg, Noord-Brabant, The Netherlands, Johan Denollet, PhD, Medical Psychology, Tilburg University, Tilburg, Noord-Brabant, The Netherlands

50) Abstract 1186

TYPE D PERSONALITY AND DISEASE SEVERITY INDEPENDENTLY PREDICT CLINICAL EVENTS AFTER MYOCARDIAL INFARCTION

Elisabeth J. Martens, PhD, Floortje Mols, PhD, Medical Psychology and Neuropsychology, Tilburg University, Tilburg, Brabant, the Netherlands, Matthew M. Burg, PhD, Cardiovascular Medicine,

Yale University School of Medicine, New Haven, CT, Johan Denollet, PhD, Medical Psychology and Neuropsychology, Tilburg University, Tilburg, Brabant, the Netherlands

51) Abstract 1098

TYPE D AND FIVE-FACTOR PERSONALITY MODELS OF CARDIAC PROGNOSIS: IS TYPE D NOTHING MORE THAN *OLD WINE IN NEW BOTTLES*?

Susanne S. Pedersen, PhD, Johan Denollet, PhD, Medical Psychology, Tilburg University, Tilburg, The Netherlands

52) Abstract 1318

DEPRESSION, DISABILITY AND CARDIAC DISEASE: EMPIRICAL SUPPORT FOR THE PRESENCE OF MAJOR DEPRESSION AND SUBTHRESHOLD SOMATIC DEPRESSION

Melinda J. Manley, M.A., M.Phil., Epidemiology & Public Health, Yale University, New Haven, Connecticut, Peter de Jonge, PhD, Internal Medicine, University Medical Center Groningen, Groningen, Groningen, The Netherlands

53) Abstract 1623

DOES PRE-SURGICAL DEPRESSION PREDICT DEATH OR OTHER NEGATIVE OUTCOMES AFTER CORONARY ARTERY BYPASS GRAFT SURGERY (CABG)? A SYSTEMATIC REVIEW OF THE LITERATURE

Ekaterina Stepanova, MD, Steven Cole, MD, Psychiatry, Stony Brook University Medical Center, Stony Brook, New York

54) Abstract 1717

HOSTILITY AND ANXIOUS ATTACHMENT ARE ASSOCIATED WITH ARTERIAL STIFFNESS IN ADOLESCENTS

Aimee J. Midei, B.S., B.A., Clinical/Biological and Health Psychology, Karen A. Matthews, PhD, Department of Psychiatry, University of Pittsburgh, Pittsburgh, PA

55) Abstract 1706

A LONGITUDINAL STUDY OF PANIC AND HEALTH ANXIETY IN PATIENTS WITH NON-CARDIAC CHEST PAIN (NCCP)

Kamila S. White, PhD, Psychology, University of Missouri-Saint Louis, Saint Louis, MO, Ernest V. Gervino, ScD, Cardiology, Beth Israel Deaconess Med Cntr, Harvard Med School, Boston, MA

56) Abstract 1446

CANDIDATES TO HEART TRANSPLANTATION WITH DRINKING HABITS AND HIGH SOCIABILITY ARE PRONE TO EARLIER INFECTIOUS EPISODES AFTER TRANSPLANTATION

Olivier COTTENCIN, MD, Sylvie PUCHEU, Ph D, Sonya POYDENOT, Ph D, CL-Psychiatry, Veronique BOUSSAUD, MD, Patrick CHEVALIER, MD, Christian LATREMOUILLE, Ph D, Jean-Noel FABIANI, Ph D, Cardiovascular surgery, Silla M. CONSOLI, Ph D, CL-Psychiatry, Georges Pompidou European Hospital, Paris, France

57) Abstract 1443

STRONG FORMER PSYCHOLOGICAL STATUS PARADOXICALLY PREDICTS REJECTION EPISODES IN HEART TRANSPLANTED PATIENTS

Silla M. CONSOLI, Ph D, CL-Psychiatry, Georges Pompidou European Hospital, Paris, France, Olivier COTTENCIN, MD, CL-Psychiatry, Georges Pompidou European Hospital, Paris, France, Sylvie PUCHEU, Ph D, Sonia POYDENOT, Ph D, CL-Psychiatry, Parick CHEVALIER, MD, Veronique BOUSSAUD, MD, Christian LATREMOUILLE, Ph D, Jean-Noel FABIANI, Ph D, Cardiovascular Surgery, Georges Pompidou European Hospital, Paris, France

58) Abstract 1140

VASCULAR PROFILE AND DEPRESSION TREATMENT OUTCOME IN THE CREATE TRIAL

Brian Baker, FRCPC, Psychiatry, University of Toronto, Toronto, Ontario, CANADA, Martine Habra, PhD, Psychiatry, CHUM, Université de Montréal, Montreal, Quebec, Canada, Nancy Frasure-Smith, PhD, Psychiatry, McGill University, Montreal Heart Institute, CHUM, Montreal, Quebec, Canada, Francois Lespérance, MD, Psychiatry, CHUM, Université de Montréal, Montreal, Quebec, Canada

59) Abstract 1152

DEPRESSION AND ISCHEMIC HEART DISEASE (IHD): DO GENDER, MARITAL STATUS AND YEARS OF SCHOOLING PLAY A ROLE?

Oskar Mittag, ScD, Department of Quality Management and Social Medicine, University Medical Center of Freiburg, Freiburg im Breisgau, Germany, Thorsten Meyer, PhD, Institute of Social Medicine, University of Luebeck, Luebeck, Germany

60) Abstract 1167

NYHA CLASS AND TYPE D PERSONALITY INDEPENDENTLY PREDICT VITAL EXHAUSTION IN CHRONIC HEART FAILURE PATIENTS

Helle Spindler, PhD, Psychology, University of Aarhus, Aarhus, Denmark, Mogens L. Larsen, MD, DMSc, Cardiology, Odense University Hospital, Odense, Denmark, Susanne S. Pedersen, PhD, Psychology, Tilburg University, Tilburg, The Netherlands

61) Abstract 1206

FATIGUE LEVELS IN STROKE PATIENTS AS COMPARED TO END-STAGE HEART FAILURE PATIENTS: APPLICATION OF THE FATIGUE ASSESSMENT SCALE

Otto R. Smith, MSc, Krista C. Van den Broek, MA, Medical Psychology, Tilburg University, Tilburg, Noord Brabant, the Netherlands, Marielle Renkens, MA, Neuropsychology, Nursing home 'De Hazelaar', Tilburg, Noord Brabant, the Netherlands, Johan Denollet, PhD, Medical Psychology, Tilburg University, Tilburg, Noord Brabant, the Netherlands

62) Abstract 1754

EMOTION SUPPRESSION DURING INITIAL STRESS EXAGGERATES CARDIOVASCULAR RESPONSES TO SUBSEQUENT STRESS

Phillip J. Quartana, M.S., Psychiatry, University of Illinois at Chicago, Chicago, IL, John W. Burns, PhD, Psychology, Rosalind Franklin University of Medicine and Science, N. Chicago, IL, Wesley P. Gilliam, Psychology, Rosalind Franklin University of Medicine and Science, N. Chicago, IL, Justin Matsuura, Psychology, Rosalind Franklin University of Medicine and Science, N. Chicago, IL

63) Abstract 1077

HEALTHCARE UTILIZATION AND EMOTIONAL DISTRESS IN CAD PATIENTS

Mark W. Ketterer, PhD, Walter Knysz, MD, Behavioral Health, Michael Hudson, MD, Steven Keteyian, PhD, Amjad Farha, MD, Heart & Vascular Institute, Henry Ford Hospital /WSU, Detroit, MI

64) Abstract 1059

DEPRESSIVE CO-MORBIDITY IN PATIENTS WITH HIV-ASSOCIATED HEART FAILURE

Thomas Müller-Tasch, Wolfgang Herzog, Psychosomatic and General Internal Medicine, University of Heidelberg, Heidelberg, Germany, Raimund Erbel, Till Neumann, Cardiology, University of Essen, Essen, Germany

65) Abstract 1257

PERSISTENCE OF POSTTRAUMATIC STRESS SYMPTOMS 12 AND 36 MONTHS AFTER ACUTE CORONARY SYNDROMES

Anna Wikman, MSc, Mimi Bhattacharyya, MRCP, Linda Perkins-Porras, PhD, Andrew Steptoe, DPhil, Department of Epidemiology & Public Health, University College London, London, United Kingdom

66) Abstract 1665

THE ASSOCIATION BETWEEN POSITIVE AND NEGATIVE AFFECT AND INSULIN RESISTANCE IN PATIENTS UNDERGOING EXERCISE STRESS TESTING

Philippe R. Stebenne, Bachelor, Kim L. Lavoie, Post doct, Catherine Meloche, MD, André Arsenault, MD, Catherine Laurin, PhD, Sandra Pelaez, Master, Bernard Meloche, technician, Simon L. Bacon, Post doct, Montreal Behavioral Medicine Center, MHI/HSCM/UQAM/Concordia, Montreal, Quebec, Canada

67) Abstract 1249

TYPE D PERSONALITY AND IMPAIRED HEALTH STATUS IN CHRONIC HEART FAILURE: MEDIATION BY INADEQUATE CONSULTATION BEHAVIOR

Aline J. Pelle, MSc, CoRPS, Tilburg University, Tilburg, The Netherlands, Angélique A. Schiffer, MSc, Clinical Psychology, TweeSteden Ziekenhuis, Tilburg, The Netherlands, Otto R. Smith, MSc, CoRPS, Tilburg University, Tilburg, The Netherlands, Jobst B. Winter, MD, Cardiology, TweeSteden Ziekenhuis, Tilburg, The Netherlands, Johan Denollet, PhD, CoRPS, Tilburg University, Tilburg, The Netherlands

68) Abstract 1333

POSITIVE MOOD PREDICTS READINESS FOR CARDIAC REHABILITATION

Susan E. Hofkamp, PhD, Phys Med & Rehab, Johns Hopkins University, Baltimore, MD, Nicole Amoyal, BA, Psychology, Loyola College, Baltimore, MD, John W. Burns, PhD, Psychology, Rosalind Franklin University, N. Chicago, IL, Stephen T. Wegener, PhD, Phys Med & Rehab, Johns Hopkins University, Baltimore, MD

69) Abstract 1688

MELANCHOLIC DEPRESSION PREDICTS 1-MONTH ELECTRONICALLY MONITORED ASPIRIN NON-ADHERENCE IN POST-ACUTE CORONARY SYNDROME PATIENTS

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Sinai School of Medicine, New York, NY, Rachel Waxman, MS, Department of Psychology, St. John's University, New York, NY, Joseph E. Schwartz, PhD, Department of Psychiatry, Stony Brook University, Stony Brook, NY, Gabrielle Albanese, BS, Matthew M. Burg, PhD, Karina W. Davidson, PhD, Department of Medicine, Columbia University, New York, NY

70) Abstract 1082

DEPRESSIVE SYMPTOMS PREDICTS WORSE OUTCOME OF MYOCARDIAL INFARCTION IN BOTH MEN AND WOMEN

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71) Abstract 1547

IMPACT OF ANXIETY AND DEPRESSION ON HEART RATE VARIABILITY IN APPARENTLY HEALTHY SUBJECTS DRAWN FROM IN THE GENERAL POPULATION: RESULTS FROM THE KORA AUGSBURG F3-STUDY

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72) Abstract 1259

ANXIETY IN PARTNERS OF IMPLANTABLE DEFIBRILLATOR PATIENTS

Krista C. Van den Broek, MA, Ivan Nyklicek, PhD, Johan Denollet, PhD, CoRPS - Medical Psychology, Tilburg University, Tilburg, The Netherlands

73) Abstract 1675

PREVENTION OF ANXIETY DISORDERS IN PATIENTS WITH AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD)

Paul Pauli, Dr., Psychology, University of Wuerzburg, Wuerzburg, Germany, Alexander Crössmann, PhD, Psychology, University of Würzburg, Würzburg, Germany, Volker Köhlkamp, Prof. Dr., Heart-Center Bodensee, Konstanz, Germany, Hans Neuser, MD, Cardiology, Center of Cardiovascular Medicine, Bad Neustadt a.d. Saale, Germany, Wolfgang Bauer, Prof., Medical Clinic, University of Würzburg, Würzburg, Germany

74) Abstract 1662

THE ASSOCIATION BETWEEN POSITIVE AND NEGATIVE AFFECTS AND LIPIDS LEVELS IN PATIENTS WITH AND WITHOUT CORONARY ARTERY DISEASE(CAD)

Philippe R. Stebenne, Bachelor, Kim L. Lavoie, Post doct, André Arsenault, MD, Catherine Laurin, PhD, Sandra Pelaez, Master, Bernard Meloche, technician, Catherine Meloche, MD, Simon L. Bacon, PhD, Montreal Behavioral Medicine Center, MHI/HSCM/UQAM/Concordia, Montreal, Quebec, Canada

75) ABSTRACT 1183

DEPRESSIVE SYMPTOMS, SOCIAL POSITION AND CARDIOVASCULAR RISK: RELATIONSHIPS IN EASTERN EUROPE

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76) Abstract 1271

ASSOCIATIONS BETWEEN POSITIVE EMOTION AND RECOVERY OF FUNCTIONAL STATUS FOLLOWING STROKE

Glenn V. Ostir, PhD, Internal Medicine, Ivonne M. Berges, PhD, Rehabilitation, University of Texas Medical Branch, Galveston, Texas

77) Abstract 1469

GENDER AND ESTIMATED AND ACTUAL PAIN TOLERANCE IN PATIENTS WITH SICKLE CELL DISEASE (SCD)

Chante' C. Wellington, PhD, Christopher L. Edwards, PhD, Mary C. Wood, MA, Miriam H. Feliu, Psy.D., Psychiatry, Laura DeCastro, MD, Hematology, Duke University Medical Center, Durham, NC

78) Abstract 1481

CHRONIC PAIN AND ANXIETY IN ADULT PATIENTS WITH SICKLE CELL DISEASE (SCD)

Chante' C. Wellington, PhD, Christopher L. Edwards, PhD, Mary C. Wood, MA, Psychiatry, Duke University Medical Center, Durham, NC, Camela McDougald, MA, Psychology, East Carolina University, Greenville, NC, Patricia Pritchette, Psychology, North Carolina Central University, Durham, NC, Goldie Byrd, PhD, Biology, North Carolina A&T State University, Greensboro, NC, Laura M. DeCastro, MD, Hematology, Miriam H. Feliu, Psy.D., Miriam H. Feliu, Psy.D., Aurielle Cobb, Lekisha Edwards, MA, Psychiatry, Duke University Medical Center, Durham, NC

79) Abstract 1478

MUSCULOSKELETAL COMPLAINTS AND ADLS AS A FUNCTION OF AGE IN PATIENTS COMPROMISED WITH SICKLE CELL DISEASE (SCD)

Miriam H. Feliu, Psy.D., Chante' C. Wellington, PhD, Christopher L. Edwards, PhD, Lekisha Edwards, MA, Psychiatry, Laura M. DeCastro, MD, Hematology, Mary C. Wood, MA, Psychiatry, Duke University Medical Center, Durham, NC, Elwood Robinson, PhD, Psychology, North Carolina Central University, Durham, NC, Keith Whitfield, PhD, Psychology, Duke University, Durham, NC

80) Abstract 1476

SEXUAL BEHAVIOR AMONG PATIENTS WITH SICKLE CELL DISEASE

Miriam H. Feliu, Psy.D., Christopher L. Edwards, PhD, Mary C. Wood, MA, Psychiatry, Duke University Medical Center, Durham, NC, Stephanie Johnson, PhD, Science Directorate, American Psychological Association, Washington, DC, Chante' C. Wellington, PhD, Lekisha Edwards, MA, Psychiatry, Mary Abrams, MPH, Elaine Whitworth, MPA, Laura DeCastro, MD, Hematology, Duke University Medical Center, Durham, NC

81) Abstract 1266

CORTISOL, ANXIETY, AND PAIN IN OLDER ADULTS

Jordan F. Karp, MD, Rose Mantella, PhD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA, Eric J. Lenze, MD, Psychiatry, Washington University, St. Louis, MO

82) Abstract 1102

EFFECT OF BIOFEEDBACK TREATMENT ON HEADACHE ACTIVITY AND MOOD STATES IN KOREAN FEMALE MIGRAINE PATIENTS

Eun-Ho Kang, MD, Psychiatry, Sungkyunkwan University, Seoul, Korea(South), Moon-Sun Koo, M.S., Jong-Sun Lim, Bsc, Bum-Hee Yu, MD, PhD, Kyung-Jeong Kim, Bsc, Jun-Bum Ahn, Bsc, Psychiatry, Sungkyunkwan University School of Medicine, Seoul, Korea(South), Joo-Eon Park, MD, Psychiatry, Keyo Hospital, Euiwang, Korea(South), In-Su Lee, MD, Psychiatry, Semin Hospital, Yeosu, Korea(South)

83) Abstract 1113

AFFECT INTENSITY AS A MODERATOR OF THE RELATIONSHIP BETWEEN PAIN CATASTROPHIZING AND PAIN SENSITIVITY

Wesley P. Gilliam, Masters of Science, Justin Matsuura, Masters of Science, Phillip Quartana, Masters of Science, Carla Nappi, Masters of Science, Brandy Wolff, Masters of Science, Erika Gray, Masters of Art, John W. Burns, Ph.D, Psychology, Rosalind Franklin University of Medicine and Science, North Chicago, Illinois

84) Abstract 1527

REDUCED PAIN INTENSITY RATINGS OF ICD DISCHARGE IN PATIENTS WITH PTSD SYMPTOMS

Ana Bilanovic, BSc, Jane Irvine, D.Phil, C. Psych, Psychology, Sabine Johnson, B.Sc., Kinesiology and Health Sciences, Lephuong Ong, MA, Jill Stanley, MA, Psychology, Paul Ritvo, PhD, Kinesiology and Health Sciences, York University, TO, ON, Canada, Louise Harris, MD, Cardiology, Toronto General Hospital, TO, ON, Canada, Paul Dorian, MD, Cardiology, St. Michael's Hospital, TO, ON, Canada, Samuel Sears, PhD, Psychology, East Carolina University, Greenville, NC, Robert Cribbie, PhD, Joel Katz, PhD, Psychology, York University, TO, ON, Canada

85) Abstract 1214

PSYCHOLOGICAL STRESS MODERATES THE ASSOCIATION BETWEEN PAIN SEVERITY AND DEPRESSED MOOD

Jennifer E. Graham, PhD, Christopher J. Thorne, B.A., Megan E. Propst, Christine F. Fagiolletti, Biobehavioral Health, Penn State University, University Park, PA

86) Abstract 1146

OPIOID TREATMENT OF CHRONIC PAIN PATIENTS IMPROVES LIFE QUALITY, REDUCES EMOTIONAL DISTRESS, AND ATTENUATES PAIN AS COMPARED TO PATIENTS NOT RECEIVING OPIOIDS

Ashley Longo, BA, Psychology, University of West Florida, Pensacola, Florida, Julie Smith, PhD, Psychiatry, University of Maryland School of Medicine, Baltimore, MD, David Longo, PhD, Psychology, Susquehanna University, Danville, Pa, Kalyan Krishnan, MD, Anesthesiology, Geisinger Medical Center, Danville, Pa

87) Abstract 1325

STRENUOUS EXERCISE INVOLVEMENT AND PAIN RESPONSE FOLLOWING NOXIOUS STIMULATION: AN EXAMINATION OF COGNITIVE MEDIATORS

Burel Goodin, MA, Psychology, Lacy Mayes, MA, Noel Burns, BA, Lynanne McGuire, PHD, Psychology, University of Maryland, Baltimore County, Baltimore, MD

88) Abstract 1194

EARLY ADVERSITY, PERFECTIONISM AND AFFECT REGULATION IN PATIENTS WITH CHRONIC FATIGUE SYNDROME/FIBROMYALGIA: AN ECOLOGICAL MOMENTARY ASSESSMENT STUDY

Patrick Luyten, PhD, Psychology, Boudewijn Van Houdenhove, MD, PhD, Liaison Psychiatry, Catholic University Leuven, Leuven, Belgium

89) Abstract 1128

CHANGE IN PAIN SEVERITY WITH OPEN LABEL VENLAFAXINE USE IN PATIENTS WITH A DEPRESSIVE SYMPTOMATOLOGY: AN OBSERVATIONAL STUDY IN PRIMARY CARE

Stefan Begré, MD, General Internal Medicine, University Hospital, Bern, Switzerland, Martin Traber, MD, Neuroscience, Wyeth Pharmaceuticals AG, Zug, Switzerland, Martin Gerber, GEM, Clinical Research Consulting, Unterägeri, Switzerland, Roland von Känel, MD, General Internal Medicine, University Hospital, Bern, Switzerland

90) Abstract 1718

DISEASE DURATION MODERATES THE RELATIONSHIP BETWEEN PAIN CATASTROPHIZING AND PATIENT/PARTNER OUTCOMES

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

91) Abstract 1584

DIFFERENTIAL PREDICTORS OF SLEEP QUALITY AND FATIGUE IN WOMEN WITH FIBROMYALGIA

Rebecca E. Wershba, B.A., John A. Sturgeon, B.A., Andrea C. Fowler, B.A., Alex J. Zautra, PhD, Mary C. Davis, PhD, Psychology, Arizona State University, Tempe, AZ

92) Abstract 1554

DIFFERENT TYPES OF TRAUMAS HAVE DIFFERENT MEDIATORS THAT LINK PTSD SYMPTOMS TO CHRONIC PAIN SEVERITY

K Somar, J Burns, PhD, Psychology, Rosalind Franklin University, North Chicago, IL

93) Abstract 1772

TREATING PSYCHIATRIC COMORBIDITY IN CHRONIC PELVIC PAIN: AN OPEN LABEL TRIAL OF LAMOTRIGINE

Samantha E. Meltzer-Brody, MD, Psychiatry, Denniz Zolnoun, MD, Obstetrics/Gynecology, John F. Steege, MD, Obstetrics and Gynecology, Katherine Rinaldi, B.A., Psychiatry, Jane Leserman, PhD, Department of Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina

94) Abstract 1519

SATISFACTION WITH SPOUSE SUPPORT AS A MODERATOR OF PAIN CATASTROPHIZING AND DEPRESSION

Andrea C. Fowler, B.A., Rebecca E. Wershba, B.A., Mary C. Davis, PhD, Alex J. Zautra, PhD, Psychology, Arizona State University, Tempe, AZ

95) Abstract 1685

THE EFFECTS OF MINDFULNESS MEDITATION ON OLDER ADULTS WITH CHRONIC PAIN: QUALITATIVE NARRATIVE ANALYSIS OF DIARY ENTRIES

Natalia Morone, MD, Cheryl Lynch, MD, General Internal Medicine, Carol Greco, PhD, Psychiatry, Hilary Tindle, MD, General Internal Medicine, Debra Weiner, MD, Geriatric Medicine, University of Pittsburgh, Pittsburgh, PA

96) Abstract 1073

ANGER MANAGEMENT STYLE AND ACUTE PAIN RESPONSES: IMPROVING UNDERSTANDING WITH A MULTI-VARIABLE PROFILE APPROACH

Justin T. Matsuura, BA, Wesley P. Gilliam, MS, Phillip J. Quartana, MS, Carla M. Nappi, MS, Brandy L. Wolff, MS, Erika P. Gray, MA, Kristin L. Somar, BA, John W. Burns, PhD, Psychology, Rosalind Franklin University of Medicine & Science, North Chicago, IL

97) Abstract 1768

A PRELIMINARY TEST OF AN INFORMATION PROCESSING MODEL OF REPRESSION AND CONVERSION

Phillip J. Quartana, M.S., Psychiatry, University of Illinois at Chicago, Chicago, IL, Wesley P. Gilliam, MS, Justin Matsuura, John W. Burns, PhD, Psychology, Rosalind Franklin University of Medicine and Science, N. Chicago, IL

98) Abstract 1499

HEAT AND COLD PAIN THRESHOLD DIFFERENCES BETWEEN WOMEN WITH FIBROMYALGIA AND HEALTHY CONTROLS

Bruce W. Smith, PhD, Psychology, University of New Mexico, Albuquerque, New Mexico, USE, Amanda Robinson, Erin Tooley, B.A., Erica Montague, B.A., Jennifer Bernard, B.A., Psychology, University of New Mexico, Albuquerque, New Mexico, Paul Mullins, PhD, Bangor Imaging Center, School of Psychology, Adeilad Brigantia, United Kingdom

99) Abstract 1377

BRIDGING THE GAP BETWEEN SCIENCE AND COMMUNITY PRACTICE: A RESEARCH AGENDA FOR ACCESS TO BEHAVIORAL MEDICINE TREATMENT FOR ARTHRITIS PAIN

Joan E. Broderick, PhD, Psychiatry & Behavioral Science, Stony Brook University, Stony Brook, New York, Frank J. Keefe, PhD, Psychiatry & Behavioral Science, Duke University, Durham, NC, Patricia Bruckenthal, PhD, Nursing, Stony Brook University, Stony Brook, New York

100) Abstract 1076

POST TRAUMATIC STRESS DISORDER 20 YEARS AFTER MULTIPLE TRAUMA CAUSED BY AN ACCIDENT

Friedhelm M. Lamprecht, Prof. Dr. med., Hans-Werner Kuensebeck, Prof. Dr. Phil., Department of Psychosomatic Medicine, Hannover Medical School, Hannover, Germany, Germany

101) Abstract 1576

A PILOT STUDY OF ASSOCIATIONS BETWEEN MATERNAL TRAUMATIC STRESS AND INFANT RESPIRATORY AND CARDIAC REACTIVITY AND REGULATION

Michelle Bosquet, PhD, Psychiatry, Children's Hospital Boston, Harvard Medical School, Boston, MA, Antje Kullowatz, PhD, Environmental Health, Harvard School of Public Health, Boston, MA, Thomas Ritz, PhD, Psychology, Southern Methodist University, Dallas, TX, Rosalind Wright, MD, M.P.H., Channing Laboratory, Brigham & Women's Hospital, Harvard Medical School, Boston, MA

102) Abstract 1253

AUTOBIOGRAPHICAL MEMORY AND EMOTIONAL DISTRESS: BEYOND OVERGENERALITY

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103) Abstract 1251

PREDICTORS OF TEST ORDERING IN A PSYCHIATRIC EMERGENCY UNIT

Cédric Lemogne, MD, C-L Psychiatry, European Georges Pompidou Hospital, Paris, France, Elise Blandin, INSERM U562, CEA, Orsay, France, Marie-Jeanne Guedj, MD, CPOA, Sainte-Anne Hospital, Paris, France

104) Abstract 1056

CASE REPORT: VALCYCLOVIR-INDUCED PSYCHOSIS IN A 17-YEAR-OLD FEMALE WITH GENITAL HERPES

SUNNY P. ASLAM, MD, Bushra Naz, MD, PSYCHIATRY, ADEKOLA O. ALAO, MD, PSYCHIATRY-Division of Consultation Liaison Psych., SUNY UPSTATE MEDICAL UNIVERSITY, SYRACUSE, NY

105) Abstract 1166

RAPID-CYCLING BIPOLAR DISORDER IN CHILDREN AND ADOLESCENTS: TREATMENT AND HOSPITALIZATION

Ruby Castilla-Puentes, MD, Psychiatry and Epidemiology, U Penn and UNC, Philadelphia, PA

106) Abstract 1693

A MODEL OF PTSD: DO CORTISOL AND PERITRAUMATIC DISSOCIATION MEDIATE THE RELATIONSHIP BETWEEN TRAUMA HISTORY AND PTSD SYMPTOMS?

Leah Irish, M.A., Psychology, Kent State University, Kent, OH, Eve M. Sledjeski, PhD, Psychology, Wesleyan University, Middletown, CT, William Fallon, MD, Eileen Spoonster, RN, Trauma Services, Summa Health System, Akron, OH, Douglas L. Delahanty, PhD, Psychology, Kent State University, Kent, OH

107) Abstract 1695

COMMUNITY VIOLENCE, CHILDHOOD TRAUMA AND DIURNAL CORTISOL DISRUPTION IN PREGNANT WOMEN

Shakira Franco Suggia, ScD, Environmental Health, Harvard School of Public Health, Boston, MA, John Staudenmayer, PhD, Mathematics and Statistics, University of Massachusetts, Amherst, MA, Michelle Bosquet, PhD, Psychiatry, Children's Hospital, Boston, MA, Rosalind J. Wright, MD, Medicine, Channing Laboratory, Boston, MA

108) Abstract 1421

DEPRESSIVE MOOD AND PERFECTIONISM PREDICT DELIRIUM SYMPTOMATOLOGY AFTER A PLANNED ORTHOPAEDIC SURGERY

Thuy D. Do, MD, CL-Psychiatry, Denis SAFRAN, Ph D, Anaesthesiology, Silla M. CONSOLI, Ph D, CL-Psychiatry, Georges Pompidou European Hospital, Paris, France

109) Abstract 1501

PSYCHOSOCIAL AND BEHAVIORAL RISK FACTORS ASSOCIATED WITH A HISTORY OF MENTAL ILLNESS

Mark Hamer, PhD, Emmanuel Stamatakis, PhD, Andrew Steptoe, DPhil, Epidemiology and Public Health, University College London, London, London, UK

110) Abstract 1247

SEROTONIN TRANSPORTER GENE POLYMORPHISM IN INTEROCEPTIVE AWARENESS IN JAPANESE POPULATION

Hiroki Murakami, Master degree, Masahiro Matsunaga, Hideki Ohira, PhD, Psychology, Nagoya University, Nagoya, Aichi, Japan

111) Abstract 1248

ASSOCIATION OF A SEROTONIN TRANSPORTER GENE POLYMORPHISM (5HTTLPR) WITH POSITIVE EMOTIONS ELICITED BY LOOKING AT A FAVORITE PERSON

Masahiro Matsunaga, Ph.D, Psychology, Nagoya University, Aichi, Japan, Tokiko Isowa, Gerontological Nursing, Mie Prefectural College of Nursing, Mie, Japan, Kenta Kimura, Makoto Miyakoshi, Noriaki Kanayama, Hiroki Murakami, Psychology, Nagoya University, Aichi, Japan, Sayaka Sato, Toshihiro Konoagaya, Gastroenterology, Aichi Medical University School of Medicine, Aichi, Japan, Tsuyoshi Nogimori, Internal Medicine, Showa Hospital, Aichi, Japan, Seisuke Fukuyama, Jun Shinoda, Jitsuhiro Yamada, Chubu Medical Center, Kizawa Memorial Hospital, Gifu, Japan, Hideki Ohira, Psychology, Nagoya University, Aichi, Japan

112) Abstract 1297

THE NEURAL SUBSTRATE OF DECISION-MAKING IN ALEXITHYMIC INDIVIDUALS

Michiko Kano, MD.PhD, Behavioral Medicine, Masatoshi Itho, MD.PhD, Cyclotron and Radioisotope Center, Shin Fukudo, Behavioral Medicine, Tohoku University, Sendai, Miyagi, Japan

113) Abstract 1778

STRUCTURAL BRAIN CHANGE RELATED TO ALEXITHYMIA: A MORPHOMETRIC STUDY

Yoshiya Moriguchi, PhD, MD, Gen Komaki, Psychosomatic Research, National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan

114) Abstract 1072

LOCALIZED CEREBRAL PERFUSION ABNORMALITIES IN UNDIFFERENTIATED SOMATOFORM DISORDER AND PANIC DISORDER

Kyung Bong Koh, MD,PhD, Jee In Kang, MD, Youngjoon Lee, M.A., Department of Psychiatry, Jong Doo Lee, MD, Department of Nuclear Medicine, Yonsei University College of Medicine, Seoul, Korea

115) Abstract 1342

SUBGENUAL ANTERIOR CINGULATE CORTEX (BA25) ACTIVITY COVARIES WITH CHANGES IN CARDIAC VAGAL TONE DURING AFFECTIVE STATE SHIFTING IN HEALTHY ADULTS

Richard D. Lane, MD, PhD, Hollis Weidenbacher, PhD, Carolyn L. Fort, B.A., Psychiatry, University of Arizona, Tucson, AZ, Julian F. Thayer, PhD, Psychology, Ohio State University, Columbus, OH, John J. B. Allen, PhD, Psychology, University of Arizona, Tucson, AZ

116) Abstract 1095

SPIRITUAL ABSENCE PREDICTS POORER 1-YEAR SURVIVAL OUTCOMES AFTER HEMATOPOIETIC STEM CELL TRANSPLANT

Lisa M. Christian, MA, Deidre Pereira, PhD, Clinical and Health Psychology, Michelle Bishop, PhD, Medicine, Stacy Dodd, MS, Clinical and Health Psychology, John Wingard, MD, Medicine, University of Florida, Gainesville, Florida, Vijay Reddy, MD, Florida Hospital, Orlando, Florida

117) Abstract 1136

AFFECTIVE DISORDERS AND DETERMINANTS OF QUALITY OF LIFE AMONG MEN WITH PROSTATE CANCER: A POPULATION-BASED APPROACH

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118) Abstract 1373

CONTROL APPRAISALS AND COPING STRATEGIES PREDICT CHANGES IN BEHAVIORAL DISTURBANCES IN MEN UNDERGOING RADIOTHERAPY FOR PROSTATE CANCER

KaMala S. Thomas, PhD, Psychiatry, Julienne E. Bower, PhD, Psychology and Psychiatry, UCLA, Los Angeles, CA

119) Abstract 1618

PRO-INFLAMMATORY CYTOKINES AND NEUROCOGNITIVE FUNCTIONING IN BREAST AND CERVICAL CANCER SURVIVORS

Elizabeth A. Mullen, M.S., Psychology, Natalie Denburg, PhD, Neurology, University of Iowa, Iowa City, IA, Katrina Proberbs, HS, Lincoln University, Lincoln University, PA, Patrick Henderson, B.S., Psychology, Geraldine Jacobson, MD, Radiation Oncology, Mark Karwal, MD, Internal Medicine, Koen De Geest, MD, Gynecologic Oncology, David Lubaroff, MD, Urology, Susan Lutgendorf, PhD, Psychology, University of Iowa, Iowa City, IA

120) Abstract 1756

SEVERELY STRESSFUL EVENTS, SEXUAL ABUSE HISTORY, CHRONIC ANXIETY, LOW EMOTION ACCEPTANCE & LOW FAMILY COHESION: MAIN AND MODERATED EFFECTS ON MOOD DISTURBANCE IN BREAST CANCER PATIENTS

Karen L. Weihs, MD, Psychiatry and Arizona Cancer Center, University of Arizona, Tucson, AZ

121) Abstract 1439

DEPRESSIVE MOOD PREDICTS CANCER IN WOMEN UNDERGOING A COLONOSCOPY, BUT NOT IN MEN

Gaëlle Abgrall-Barbry, MD, Psychiatry, Dominique LAMARQUE, MD, Hepato-Gastro-Enterology, Berangere LEURET, RN, Psychiatry, Hotel-Dieu Hospital, Paris, France, Sarah BYDLOWSKI, MD, CL-Psychiatry, Georges Pompidou European Hospital, Paris, France, Raymond JIAN, Ph D, Hepato-Gastro-Enterology, Georges Pompidou European Hospital, Paris, France, Nicolas DANTCHEV, Ph D, Psychiatry, Hotel-Dieu Hospital, Paris, France, Silla M. CONSOLI, Ph D, CL-Psychiatry, Georges Pompidou European Hospital, Paris, France

122) Abstract 1534

PREDICTORS OF CORTISOL AWAKENING RESPONSE (CAR) & DIURNAL CORTISOL VARIABILITY (DCV) IN FATIGUED BREAST CANCER SURVIVORS

Shamini Jain, M.S., Desiree Pavlik, B.A., Babara Woods, PhD, Chris Pruitt, M.S., Srikrishna Khandrika, PhD, Kirsten Aschbacher, M.S., Paul J. Mills, PhD, Psychiatry, UC, San Diego, CA

123) Abstract 1354

AVOIDANT COPING MEDIATES THE RELATIONSHIP BETWEEN SOCIAL CONSTRAINTS AND DISTRESS IN CANCER PATIENTS

Nancy Beckman, BA, Psychology, Rosalind Franklin University of Medicine & Science, North Chicago, IL, Sandra Zakowski, PhD, Psychology, Argosy University, Chicago, IL

124) Abstract 1782

IS THE DEXAMETHASONE SUPPRESSION TEST A BIOMARKER OF CHRONIC STRESS? CORTISOL MORNING RISE OVERCOMES DEXAMETHASONE SUPPRESSION IN STATES OF STRESS.

Wendy Wolfson, M.A., Aoife O'Donovan, PhD, Owen Wolkowitz, MD, Rose Whitmore, BA, Hana Tylova-Stein, BA, Elissa Epel, PhD, Psychiatry, University of California San Francisco, San Francisco, CA

125) Abstract 1759

INDEPENDENT AND INTERACTIVE RELATIONSHIPS BETWEEN SES, ADIPOSITY, AND C-REACTIVE PROTEIN

Cathy A. Bykowski, B.S., William P. Sacco, PhD, Kristen Salomon, PhD, Psychology, University of South Florida, Tampa, FL

126) Abstract 1048

CAREGIVING BURDEN IS ASSOCIATED WITH LOW SECRETION RATES OF IMMUNOGLOBULIN A IN SALIVA

Anna C. Phillips, PhD, Stephen Gallagher, MSc, Douglas Carroll, PhD, Sport & Exercise Sciences, University of Birmingham, Birmingham, UK, Phil Evans, PhD, Psychology, University of Westminster, London, UK, Kate Hunt, MSc, Geoff Der, PhD, MRC Social & Public Health Sciences Unit, University of Glasgow, Glasgow, UK

127) Abstract 1360

LONG-TERM IMPACT OF REPEATED STRONG HYPOTHALAMUS PITUITARY ADRENAL AXIS ACTIVATIONS ON BASAL GLUCOCORTICOID SENSITIVITY

Jana Strahler, Master's degree, Christiane Berndt, Master's degree, Clemens Kirschbaum, Doctoral degree, Psychology, Dresden University of Technology, Dresden, Germany, Nicolas Rohleder, Doctoral degree, Psychology, University of British Columbia, Vancouver, British Columbia, Canada

128) Abstract 1714

THE RELATIONS BETWEEN ELEVATED DEPRESSIVE SYMPTOMS AND THE CIRCADIAN RHYTHM OF INFLAMMATORY MARKERS

Sujith Kuruvilla, MD, Dorota Gruber, MS GC, Moshe Levison, PhD, Kiran Nallella, MD, Medicine, Sally Aboeela, PhD, School of Nursing, Syed Ahsan, MD, Daichi Shimbo, MD, Karina Davidson, PhD, Medicine, Columbia University Medical Center, New York, New York, Joe Schwartz, PhD, Psychiatry, State University of New York-Stony Brook, Stony Brook, New York, Thomas Pickering, MD/PhD, Medicine, Columbia University Medical Center, New York, New York

129) Abstract 1430

SALIVARY DHEA-S LEVELS ACROSS THE DAY: EVIDENCE FOR A DAILY RHYTHM IN A HEALTHY ADULT POPULATION

Laura Cousino Klein, PhD, Courtney A. Whetzel, M.S., Biobehavioral Health, David M. Almeida, PhD, Human Development and Family Studies, Jeanette M. Bennett, M.S., Biobehavioral Health, Robert S. Stawski, PhD, Gerontology Center, Sean R. Banks, M.S., Ann C. Crouter, PhD, Human Development and Family Studies, The Pennsylvania State University, University Park, PA

130) Abstract 1358

GENDER AND AGE-RELATED DIFFERENCES IN THE DIURNAL PATTERN OF SALIVARY CORTISOL SECRETION

Angela J. Clow, PhD, Tony D. Towell, PhD, Cathrine Fredhoi, MSc, Psychology, Frank Hucklebridge, PhD, Human and Health Sciences, Phil Evans, PhD, Psychology, University of Westminster, London, England, UK

131) Abstract 1736

SUDDEN AND UNEXPECTED LOSS OF A LOVED ONE AND IMMUNE FUNCTION IN AN URBAN PRIMARY CARE SETTING

Banu Cankaya, PhD, Nancy L. Talbot, PhD, Benjamin P. Chapman, PhD, Jan Moynihan, Paul Duberstein, PhD, Psychiatry, University of Rochester Medical Center, Rochester, NY

132) Abstract 1544

PSYCHOLOGICAL STRESS AFFECTS REGULATORY T CELL LEVELS IN HUMANS

Kevin S. Del Ben, PhD, Psychiatry, University of Mississippi Medical Center, Jackson, MS, Lianbin Xiang, MD, Medicine, University of Mississippi Medical Center, Jackson, MS, Jacob Olivier, Preventative Medicine, University of Mississippi Medical Center, Jackson, MS, Christian Koch, MD, Gailen D. Marshall, PhD, Medicine, University of Mississippi Medical Center, Jackson, MS

133) Abstract 1598

SEX-SPECIFIC RELATIONS BETWEEN LEPTIN AND SELF-RATED HEALTH

Anna Andreasson, MS, Center for Family and Community Medicine, Karolinska Institutet, Huddinge, Stockholm, Sweden, Susanna Jernelöv, Clinical Neuroscience, Karolinska Institutet, Stockholm, Sweden, Anna-Lena Undén, Center for Family and Community Medicine, Karolinska Institutet, Huddinge, Sweden, Mats Lekander, Clinical Neuroscience, Karolinska Institutet, Osher Center for Integrative Medicine, Stockholm, Sweden, Kerstin Brismar, Molecular Medicine and Surgery, Karolinska Institutet, Stockholm, Sweden

134) Abstract 1063

PSYCHOSOCIAL FACTORS ARE ASSOCIATED WITH THE ANTIBODY RESPONSE TO BOTH THYMUS-DEPENDENT AND THYMUS-INDEPENDENT VACCINES

Stephen Gallagher, MSc, Anna C. Phillips, PhD, Douglas Carroll, PhD, School of Sport and Exercise Sciences, Alistair J. Ferrero, MB, Mark T. Drayson, PhD, School of Medicine, University of Birmingham, Birmingham, West Midlands, UK

135) Abstract 1565

DOES SELF-EFFICACY MODERATE THE RELATIONSHIP BETWEEN WORK STRESS AND DEPRESSIVE SYMPTOMS?

Krisztina D. László, MSc, Mária Kopp, PhD, Institute of Behavioural Sciences, Semmelweis University, Budapest, Hungary

136) Abstract 1538

HOW CAN WE INHIBIT OUR UNPLEASANT EMOTION? -USING COGNITIVE TASK IN ADVANCE-

Saea Iida, MA, Psychology, Nagoya University, Nagoya, Aichi, Japan, Naho Ichikawa, MA, Cerebral Integration, National Institute for Physiological Sciences, Okazaki, Aichi, Japan, Hideki Ohira, MD, Psychology, Nagoya University, Nagoya, Aichi, Japan

137) Abstract 1178

EMOTION REGULATORY STYLES AND CORTISOL REACTIVITY TO A SOCIAL-EVALUATIVE SPEECH TASK

Suman Lam, B.A., Sally S. Dickerson, PhD, Peggy J. Mycek, M.A., Psychology and Social Behavior, University of California, Irvine, Irvine, California, Frank P. Zaldivar, PhD, Pediatrics, University of California, Irvine School of Medicine, Irvine, California

138) Abstract 1539

WHY DOES STARTING CHOIR SINGING MAKE PEOPLE FEEL GOOD? A RANDOMISED COMPARISON TRIAL WITH IBS PATIENTS

Töres G. Theorell, Professor emeritus, Christina Grape, Stress Research Institute, Stockholm University, Stockholm, Sweden, Britt-Maj Wikström, Professor, Akershus, Akershus University, Lillestrøm, Norway, Rolf Ekman, Professor emeritus, Neurochemistry unit, Mölndal Hospital, Göteborg University, Göteborg, Göteborg

139) Abstract 1397

LONG-TERM STRESS REDUCTION AFTER A SHORT STRUCTURED BEHAVIORAL INTERVENTION

Adrienne Stauder, MD, PhD, Behavioral Sciences, Semmelweis University Budapest, Budapest, Hungary, Virginia P. Williams, PhD, Williams LifeSkills Inc, Durham, NC, Redford B. Williams, MD, Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, NC

6:30 - 7:30 pm

Mentor- Mentee Reception

Essex Room

(followed by a dinner at Slainte, a local restaurant)

8:00 - 10:00 pm

Past Leaders Dinner

By invitation only

All past leaders of the Society are invited to this dinner, to be held at **Della Notte**, a few blocks from the Marriott, in the Little Italy section of Baltimore. Please visit the APS Registration Desk to RSVP if you haven't already done so.

8:15 - 10:15 pm

Special Interest Dinners

APS will convene four special interest dinners, which require separate registration. Topics are: **Psychoneuroimmunology** (hosts: Suzi Hong, PhD and Michael R. Irwin, MD), **Cardiology** (hosts: Roy Ziegelstein, PhD; Samuel Sears, PhD and Susanne S. Pedersen, PhD), **Functional Somatic Syndromes** (hosts: Emeran Mayer, PhD and Urs Nater, PhD) and **Neuroscience** (host: Richard Lane, MD, PhD). The restaurants hosting the events are Chiapperelli's and Germano's, featuring Italian cuisine in the heart of Little Italy. The cost per person is \$52, with alcohol charged separately at the restaurant. Participants are responsible for their own transportation, and maps of the vicinity will be available.

The emphasis of each dinner will be on allowing people with similar professional interests to meet and talk with one another, and to share experiences in an informal setting. Dinners will feature hosts who are experts in the dinner topic. There may be limited availability on-site for these dinners -- please check with the APS Registration Desk if you would like to attend, but have not yet registered.

Friday, March 14

7:00 am - 6:00 pm	REGISTRATION	<i>Harborside Foyer</i>
7:00 am - 6:00 pm	STUDENT LOUNGE	<i>Heron Room</i>
7:00 - 8:00 am	ROUNDTABLE BREAKFASTS	

BR 4: Measuring Sleep in Psychosomatic Medicine *Laurel A*

Research: Practical Tips

Faculty: Martica Hall, PhD

Researchers in 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. This roundtable presentation will describe the major tools used to measure sleep (questionnaires, diaries, actigraphs, polysomnography) with an emphasis on comparing the data generated by each and their potential application to psychosomatic medicine research. We will discuss practical tips for identifying sleep measurement tools that correspond to specific kinds of research questions. For example, although polysomnography is the recognized gold-standard tool for measuring certain dimensions of sleep (e.g., stages of sleep) other less invasive and more accessible tools provide powerful data regarding sleep quality, duration, timing, and patterns, each of which is importantly related to health and functioning. There are also new ambulatory “off-the-shelf” devices that allow assessment of certain sleep disorders, such as sleep apnea, without requiring full laboratory sleep studies. The format of the presentation will be informal to encourage questions and discussion amongst roundtable attendees.

BR 7: Psychosomatic Reactions to Qigong Practice – Clinical Implications in Handling Qigong Deviations *Kent A*

Faculty: Kevin W. Chen, PhD and Tianjun Liu, OMD

Qigong as part of traditional Chinese medicine practice or energy medicine has got increased attention and interest around the world. But there are also increased reports on the “qigong-induced mental disorders” in the literature and in the clinic of psychosomatic medicine. Chinese DSM-IV defines it as a “culture-bound syndrome.” However, most clinicians do not practice qigong, and never experienced these “syndrome” themselves, and there are some serious misunderstandings about qigong practice and the related phenomena. We believe that both clinicians and practitioners want to know more about what these deviations are really about. Our presentation attempts to clarify some basic issues related to normal and abnormal reactions to qigong practice, and offer some clinical suggestions in handling these psychosomatic phenomena - most of these contents are in Chinese textbook of medical qigong, professor Liu (co-author of the abstract) is the editor-in-chief of that textbook.

BR 8: Collaborative Care Interventions for Treating Depression in Patients with Cardiac Disease: The Bypassing the Blues Experience *Laurel B*

Faculty: Bruce L. Rollman, MD, MP; and Bea Herbeck Belnap, Dr. Biol. Hum

Collaborative care, based on Wagner’s Chronic Care Model, includes active follow-up by a nurse or other non-physician who adheres to an evidence-based treatment protocol and works under the supervision of a primary care physician with specialty back-up when necessary. Proven effective at treating major depression in primary care, an NHLBI working group recently endorsed it as a promising approach for treating depression in cardiac patients.

Bypassing the Blues is an NHLBI-funded trial designed to examine the effectiveness of a nurse-led, telephone-based collaborative care strategy at treating depression following cardiac bypass graft surgery (CABG). Study enrollment at 8 Pittsburgh-area hospitals recently concluded (N=455), and we anticipate our final blinded assessments will occur in 5/08 (8-48 months follow-up).

To inform the field about collaborative care models of depression treatment that can be applied to CABG and other cardiac conditions, this roundtable discussion will detail our study’s intervention strategy, and provide attendees with an opportunity to ask the investigators about the real-world challenges they faced in implementing their intervention strategy.

Sunrise Series 2: NIH for Beginners *Laurel C/D*

Faculty: Margaret Chesney, PhD and Catherine Stoney, PhD

The National Institute of Health (NIH) continues to be the primary funding body for research in psychosomatic medicine. However, many trainee and junior researchers are unfamiliar with NIH and many funding mechanisms available to them across the various institutes. With this in mind, the goal of this roundtable is 1) to present a brief overview of the NIH and how it functions; 2) to describe a number of

funding mechanisms available to trainees/junior researchers including pre/postdoctoral NRSA's (F files), career development awards (K files), and the new NIH pathway to independence award (K99/R00); 3) to provide tips on how to best take advantage of the upcoming NIH lunch buffet. *This roundtable is geared towards trainees, junior researchers, and those unfamiliar with NIH.* Time will be allotted for questions and open discussion.

7:00 - 8:00 am

SPECIAL MEETING
Membership Committee Meeting

Galena Room

8:00 - 8:50 am

PRESIDENT'S ADDRESS
**Emotional Reactivity in Children of Alcoholics:
 Family History & Psychological Markers**

Harborside A-C

Presenter: William R. Lovallo, PhD

Emotional functioning encompasses internal feelings, overt behavior, thoughts, and bodily functions. Children of alcoholics differ in each of these areas. Emerging evidence suggests that these differences are related to alterations in the brain's emotion systems.

9:00 - 9:45 am

PATRICIA R. BARCHAS AWARD LECTURE
The Social Context of Immune Competence

Harborside A-C

Chair: Jack D. Barchas, MD; Presenter: Christopher Coe, PhD

While the immune system usually functions in autonomous manner, we have come to appreciate that immune responses can be significantly altered by external challenges and disturbances of the internal milieu, including by most events that stimulate hormone release. Thus, it is not surprising that psychological and social factors can also impinge on immunity when sufficiently salient. This presentation will review a program of research demonstrating many psychological influences on immune responses and describe a number of the important mediating pathways. In addition, we will argue that these types of psychobiological relationships may be most important at two points in the life span: during infant development when immune responses are maturing and subsequently during the process of immune senescence associated with old age. At both points early and late in the life, the typically transient alterations in immune competence may be more extended and have more clinical ramifications.

9:45 - 10:00 am

BREAK

10:00 - 11:30 am

PARALLEL SYMPOSIA

**Invited Symposium: Positive Affect and Health:
 Opportunities for Psychosomatic Medicine**

Harborside C

Chair: Kristen Salomon, PhD; Presenters: Andrew Steptoe, DSc; Judith Moskowitz, PhD; Suzanne Segerstrom, PhD and Margaret Chesney, PhD

The goal of this symposium is to illustrate the unique contribution of positive psychological states to health. Traditionally, psychosomatic medicine has taken the perspective that health is merely the absence of disease. The emergence of positive psychology suggests a new framework for understanding health and well-being. Positive psychology focuses on the importance of positive affect, positive individual traits, and positive institutions as unique contributors to successful functioning. The primary aims of this symposium are to answer the following questions. What is positive affect and what does it have to say about positive psychosocial phenomenon? Are positive and negative affect merely opposite ends of the same spectrum? Does it matter? What are the biological, behavioral, social and environmental pathways from positive affect to health? Finally, how can we design interventions to enhance positive mood and subsequent well-being? Four speakers will address these questions.

*** Positive Affect, Health, and Biology**

Andrew Steptoe, DSc

The possibility that positive affective states such as happiness and enjoyment are associated with good future health has gained credibility with the accumulation of prospective observational epidemiological studies of disease incidence and mortality. Associations appear to be independent of negative affective states such as depressed mood, although residual confounding and publication bias remain problematic. Behavioral and biological pathways are possible mediators of associations. This presentation will describe the program of work we have carried out over recent years into the biological correlates of positive affective states using epidemiological surveys, naturalistic monitoring in everyday life, and laboratory psychophysiological stress testing. We have found that positive affect, measured both with ecological momentary assessment and the day reconstruction method, is associated with low cortisol output over the day, lower ambulatory blood pressure, elevated heart rate variability, rapid post-stress recovery in diastolic pressure, reduced fibrinogen stress reactivity, and in women, lower interleukin 6 and C-reactive protein concentration. The effects persist after controlling for distress and

depression, but the extent to which they are independent of other favorable psychosocial factors related to positive affect such as social connectedness, social support and adaptive coping responses is uncertain. Health-protective biological responses are plausible mechanisms relating positive affect with good health.

*** The Role of Positive Affect in Adjustment to Chronic Stress**

Judith Moskowitz, PhD

It is widely known that high levels of depressive mood are common in people experiencing severe, ongoing life stress and that depressive mood is associated with poorer health behaviors, morbidity, and mortality. But there is another important aspect of the emotion picture associated with chronic stress that has until recently been ignored: positive affect. Increasing evidence suggests that positive affect plays an important role in adaptation to chronic stress, independent of negative affect such as depression. Our program of observational research on health-related stress shows that positive affect has unique beneficial effects on psychological and physical health, independent of negative affect. Data from our ongoing study of people newly diagnosed with HIV demonstrate that positive affect in the months after testing positive for HIV is associated with lower likelihood of subsequent sexual risk behavior, decreased stimulant use, stigma, stress, and depression, fewer symptoms, and increased social support and stress related growth. These findings suggest that positive affect plays an adaptive role in the context of stress and may be the key to more effective interventions for people newly diagnosed with HIV.

*** Positive Affect Mediates Expectancy Effects on Cellular Immunity**

Suzanne Segerstrom, PhD and Sandra E. Sefhton, PhD

Salubrious effects of positive expectancies may be a consequence of expectancy effects on cellular immunity and those effects, in turn, may depend on expectancy effects on affect. A sample of first-year law students (N = 124) completed questionnaire measures of expectancies and affect, collected saliva samples for cortisol analysis, and received DTH skin tests at five time points. A positive, within-person relationship between expectancies and DTH occurred such that optimistic changes in expectancies correlated with increases in DTH. This relationship was partially mediated by positive affect but not by negative affect or diurnal cortisol. The relationship tended to be stronger among men than women, but no significant moderators were identified. These results indicate that expectancies may be an important target for psychosocial interventions, particularly if such interventions can generate positive affect.

*** Interventions to Enhance Positive Affect**

Margaret Chesney, PhD, Laura Lee Johnson and Gail Ironson, MD, PhD

Despite the evidence that positive affect is associated with reduced risk of disability, morbidity, and mortality, as well as increased health and well-being, there have been very few randomized clinical trials of interventions specifically designed to enhance positive mood with the purpose of improving health. This presentation will review intervention efforts relevant to positive affect. There is evidence that cognitive behavioral interventions directed toward managing the stress of chronic illness not only reduce distress but increase positive affect. Interventions designed to specifically improve positive affect and well-being have been tested by Ruini et al in school children and by Seligman et al in pilot studies as a therapeutic approach to depression in adults. Results of a psycho-spiritual intervention of mantram repetition being studied by Bormann et al in a number of populations will be outlined. A randomized clinical trial of coping effectiveness training, augmented with strategies to enhance personal growth by Chesney et al, will be described. This trial, conducted in adults with HIV/AIDS provides insight into the extent to which treatment-related decreases in stress and negative affect, and treatment-related increases in positive affect contribute to increases in personal growth. Associations of positive affect-related constructs with both slowed HIV disease progression and control of viral load observed by Ironson et al suggest that interventions designed to increase positive affect may have beneficial health effects and are worthy of further study.

Invited Symposium: The Interface of Psychosomatic Medicine and Palliative Care

Harborside D

Chair: William Breitbart, MD, FAPM; Presenters: William Breitbart, MD, FAPM; Lewis Cohen, MD, FAPM; Donna Greenberg, MD, FAPM; Joseph Weiner, MD, FAPM

Although Psychosomatic Medicine and Palliative Medicine are two of the newest medical subspecialties, there has been a substantial history of longstanding collaboration between practitioners. Four senior members of the Academy of Psychosomatic Medicine will present their experience conducting research, teaching, and caring for patients. Following an overview of the psychiatric and existential issues entailed in the provision of palliative care, the speakers will discuss their roles in nephrology and oncology, integrating psychological and medical variables. Palliative Medicine is interested in both symptom control throughout the disease spectrum and the concerns of people facing the terminal stage of life. The field relies on an interdisciplinary team approach, and requires an appreciation of diverse beliefs, cultural differences, and ethical challenges. The symposium will conclude with a brief review of the potential for psychiatry to improve communication between staff, patients, and families.

*** Overview of Psychiatric and Existential Issues in End-of-Life Care**

William Breitbart, MD, FAPM

Concepts of adequate palliative care must be expanded beyond a focus on pain and physical symptom control to include psychiatric, existential and spiritual aspects of care. Psychiatric complications of advanced cancer are common; the two most common neuropsychiatric disturbances in advanced cancer patients include delirium and depression. This presentation will review: 1) The diagnosis, assessment and management of delirium among terminally ill patients; 2) The diagnosis, assessment and management and depression among terminally ill patients. In addition, the common existential issues facing patient near the end of life will be reviewed and novel existentially oriented interventions will be presented, including Meaning-Centered Psychotherapy.

***Psychonephrology**

Lewis Cohen, MD, FAPM

The end-stage renal disease patient population is burdened with an unusually high mortality rate and a heavy symptom burden. Forty percent of dialysis patient deaths in New England are preceded by a decision to discontinue dialysis treatment. The field of nephrology has begun to recognize the resources of palliative medicine, and is integrating a training curriculum, symptom and end-of-life management protocols, memorial services, and referrals for hospice services.

*** Cancer Psychiatry**

Donna Greenberg, MD, FAPM

Clinical case examples will be presented that highlight the importance of integrated care in Oncology and the consequences of a patient falling through the cracks between disciplines.

*** Communication Issues Near the End of Life**

Joseph Weiner, MD, FAPM

Palliative care practice requires excellent communication between the patient, family, and clinical team. Experts in the field have proposed a variety of communication interventions that can be used in the palliative care setting. However, these interventions are at a high level of generality, therefore, we lack good evidence for their efficacy. This presentation reviews the case for development of structured, testable approaches to communication that will inform clinical practice and communication training. Palliative care communication should be conceived as a formal medical and psychosocial intervention—a potential treatment with risks and benefits to be systematically researched and operationalized in the same manner as medication interventions. Psychotherapy research has faced the same challenges in the past and has utilized manualized treatments to meet its goals.

Reference:

Breitbart W, Chochinov HM, Passik SD. Psychiatric symptoms in palliative medicine. In: Oxford Textbook of Palliative Medicine, Third Edition, D Doyle, G Hanks, N Cherny, K Calman (Eds.), Oxford University Press, New York, NY, pp. 746-771, 2004

Breitbart W, Gibson C, Chochinov H. Palliative care. In: Levenson JL (Ed.), The American Psychiatric Publishing Textbook of Psychosomatic Medicine. American Psychiatric Publishing, Inc., Washington D.C., pp. 979-1007, 2004

Breitbart W, Gibson C, Poppito S, Berg A. Psychotherapeutic interventions at the end of life: a focus on meaning and spirituality. *Can J Psychiatry*; 49:366-372, 2004

Breitbart W, Friedlander M. Confusion/Delirium. In: Palliative Medicine . (Bruera E, Higginson I, Ripamonti C, VonGuten C Eds.) London Hodder Press. Pp 688-700, 2006.

Handbook of Psychiatry in Palliative Medicine. H Chochinov and W Breitbart (eds.). Oxford University Press. New York, 2000.

Cohen LM, Moss AH, Weisbord SD, Germain MJ: Renal palliative care. *J Palliative Med* 9(3):975-990, 2006.

Weiner JS, Arnold R, Curtis JR, Back AL, Rounseville B, Tulsky J : Manualized communication interventions to enhance palliative care research and training: Rigorous, testable approaches. *J Palliative Med* 9(2): 371-81, 2006.

**Symposium 1110: Emerging Topics In Genetics,
Stress Behavior and Cardiovascular Disease Risk**

Harborside E

Chair: Indrani Halder, PhD

Indrani Halder, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Serina A. Neumann, PhD, Psychiatry and Behavioral Sciences, Eastern Virginia Medical School, Norfolk, VA, Indrani Halder, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Eco de Geus, PhD, Biological Psychology, Vrije Universiteit, 1081 BT Amsterdam, BT, The Netherlands, Jeanne M. McCaffery, PhD, Psychiatry, The Miriam Hospital, Brown Medical School, Providence, RI

Abstract 1265

CHOLINERGIC MECHANISMS POTENTIALLY UNDERLYING SHARED GENETIC VULNERABILITY FOR DEPRESSION AND CORONARY ARTERY DISEASE

Serina A. Neumann, PhD, Psychiatry and Behavioral Sciences, Eastern Virginia Medical School, Norfolk, VA, Indrani Halder, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Robert E. Ferrell, PhD, Human Genetics, Stephen B. Manuck, PhD, Psychology, Univ of Pittsburgh, Pittsburgh, PA

Abstract 1393

VARIATION WITHIN VWF GENE PREDICTS SUBCORTICAL DISEASE AMONG CARDIAC PATIENTS

Jeanne M. McCaffery, PhD, Psychiatry, The Miriam Hospital, Brown Medical School, Providence, RI, John McGeary, PhD, Psychiatry, Providence VA Medical Center, Brown Medical School, Providence, RI, David F. Tate, PhD, Psychiatry, Brigham & Women's Hospital, Harvard Medical School, Boston, MA, Beth Jerskey, PhD, Psychiatry, Brown Medical School, Providence, RI, Ron Cohen, PhD, Psychiatry, The Miriam Hospital and Brown Medical School, Providence, RI

Abstract 1368

VARIATION IN THE CRP GENE MODIFIES THE ASSOCIATION BETWEEN DEPRESSION AND CIRCULATING CRP

Indrani Halder, PhD, Psychiatry, Robert E. Ferrell, PhD, Human Genetics, Anna Marsland, PhD, Psychology, Matthew F. Muldoon, MD, Medicine, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

Abstract 1370

PASSIVE AND ACTIVE COPING BOTH INCREASE GENETIC VARIANCE OF CARDIAC VAGAL CONTROL

Eco de Geus, PhD, Biological Psychology, Vrije Universiteit, Amsterdam, NH, The Netherlands, Luis Moya-Albiol, PhD, Departamento de Psicobiología, Universitat de València, Valencia, Val, Spain, Rosa Hoekstra, PhD, Tinca Polderman, PhD, Dorret Boomsma, PhD, Meike Bartels, PhD, Department of Biological Psychology, Vrije Universiteit, Amsterdam, NH, Netherlands

11:30 am - 1:15 pm

ROUNDTABLE LUNCHEES (OR LUNCH ON YOUR OWN)

LR 5: Palliative Care

Laurel A

Faculty: William Breitbart, MD, FAPM; Lewis Cohen, MD, FAPM; Donna Greenberg, MD, FAPM; Joseph Weiner, MD, FAPM

The roundtable format will be used to allow for a free-flowing and wide-ranging discussion with the representatives of the Academy of Psychosomatic Medicine. Each of the presenters has extensive clinical experience with their patient population and subject. In contrast to the previous symposium which focuses on research aspects of different disorders, the roundtable will also provide an opportunity to discuss the clinical aspects and challenges:

LR 6: NIH Grants and Training

Laurel B-D

Chair: Margaret Chesney, PhD

The NIH Roundtable Luncheon consists of two components. The first is a brief overview of NIH and the process of submitting a grant application for research or training. The overview will describe the NIH (e.g., various institutes, level of funding for behavioral and social research), kinds of funding opportunities (e.g., "investigator-initiated grants" vs initiatives from the Institutes and Centers; funding mechanisms), resources for information and guidance, and process of submitting an application and how it is reviewed and funded. The second and major component of the roundtable is for the participants to meet with representatives from the major supporters of psychosomatic research at the NIH. The Institute staff will briefly introduce themselves and their Institute. Institute staff will also bring materials for participants covering their strategic plans, mechanisms of funding for research and training, and current initiatives. The bulk of the time will be for the participants to ask questions, describe their research ideas, and get feedback from the NIH staff. One anticipated outcome will be a sense that the NIH staff is approachable and available for advice. This should facilitate subsequent exchanges between staff and potential applicants. For specific details on this session, please see page 7.

11:30 - 1:15 pm

SPECIAL MEETING
Professional Education Committee Meeting
By invitation only

Galena Room

1:15 - 2:45 pm

CONCURRENT SESSIONS

Symposium 1588: Up or down? Disentangling Acute and Chronic Stress Effects on Immunity and Potential Health Implications **Harborside A/B**

Chair: Suzi Hong, PhD

Suzi Hong, PhD, Suzi Hong, PhD, Psychiatry, University of California San Diego, La Jolla, California, Anna L. Marsland, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA, Adam W. Carrico, PhD, Psychiatry, University of California - San Francisco, San Francisco, CA, Christopher L. Coe, PhD, Psychology, University of Wisconsin, Madison, WI

Abstract 1609

IMMUNE PRESENTATION OF CHRONIC PAIN

Christopher L. Coe, PhD, Psychology, Miroslav Backonja, MD, Neurology, Daniel Muller, MD, Medicine, University of Wisconsin, Madison, WI

Abstract 1607

IMPROVEMENTS IN PSYCHOLOGICAL ADJUSTMENT ARE A KEY MEDIATOR OF THE EFFECTS OF STRESS MANAGEMENT INTERVENTIONS ON IMMUNE STATUS IN HIV-POSITIVE PERSONS

Adam W. Carrico, PhD, Psychiatry, University of California - San Francisco, San Francisco, CA, Michael H. Antoni, PhD, Psychology and Psychiatry, University of Miami, Coral Gables, FL

Abstract 1600

AUTONOMIC RESPONSES TO ACUTE LABORATORY STRESS COVARY WITH INFLAMMATORY COMPETENCE

Anna L. Marsland, PhD, Aric A. Prather, MS, Kevin McDade, MS, Jackie Fury, BS, Diana Ross, BSN, Psychology, University of Pittsburgh, Pittsburgh, PA

Abstract 1599

CELLULAR IMMUNE ACTIVATION VS. ADAPTATIONS TO ACUTE EXERCISE CHALLENGE AND CHRONIC EXERCISE TRAINING

Suzi Hong, PhD, Paul J. Mills, PhD, Psychiatry, University of California San Diego, La Jolla, CA

Symposium 1496: Brains under Pressure: The Relation of Blood Pressure to Brain and Cognitive Function **Harborside C**

Chair: Shari Waldstein, PhD; Discussant: Merrill Elias, PhD

Shari R. Waldstein, PhD, Shari R. Waldstein, PhD, Psychology, University of Maryland, Baltimore County, Baltimore, MD, Michael A. Robbins, PhD, Merrill F. Elias, PhD, Psychology, University of Maine, Orono, ME, J. Richard Jennings, PhD, Psychiatry and Psychology, University of Pittsburgh, Pittsburgh, PA, Marcus Gray, PhD, Medicine, University of Sussex, Brighton, East Sussex, UK

Abstract 1504

PULSE WAVE VELOCITY AND COGNITION: THE MAINE-SYRACUSE LONGITUDINAL STUDY

Michael A. Robbins, PhD, Psychology, University of Maine, Orono, ME, Marc M. Budge, MBBS, Geriatric Medicine, Australian National University Medical School, Red Hill, ACT, Australia, Merrill F. Elias, PhD, Psychology, University of Maine, Orono, ME, Gregory A. Dore, Penelope K. Elias, PhD, Psychology, University of Maine, Orono, Maine

Abstract 1502

BLOOD PRESSURE AND SILENT CEREBROVASCULAR DISEASE IN OLDER ADULTS

Shari R. Waldstein, PhD, Psychology, University of Maryland, Baltimore County, Baltimore, MD, David M. Lefkowitz, MD, Radiology, University of Maryland School of Medicine, Baltimore, MD, Eliot L. Siegel, MD, Radiology, Baltimore VA Medical Center, Baltimore, MD, William F. Rosenberger, PhD, Statistics, George Mason University, Fairfax, VA, Abraham M. Obuchowski, MD, Radiology, University of Maryland School of Medicine, Baltimore, MD, Robert J. Spencer, M.S., Psychology, University of Maryland, Baltimore County, Baltimore, MD, Zorayr Manukyan, PhD, Statistics, George Mason University, Fairfax, VA, Evie R. Gerber, M.A., Psychology, University of Maryland, Baltimore County, Baltimore, MD, Leslie I. Katznel, MD, PhD, Medicine, University of Maryland School of Medicine, Baltimore, MD

Abstract 1524

TAKING THE PRESSURE OFF: WHAT A CROSS-SECTIONAL AND A LONGITUDINAL STUDY TELL US ABOUT HOW HYPERTENSION ALTERS THE BRAIN

J. Richard Jennings, PhD, Psychiatry and Psychology, University of Pittsburgh, Pittsburgh, PA

Abstract 1694

NEURAL INTEGRATION OF BAROREFLEX AND COGNITIVE/SENSORY PROCESSING SHAPES CENTRAL REGULATION OF BEAT-TO-BEAT BLOOD PRESSURE

Marcus Gray, PhD, Medicine, University of Sussex, Brighton, East Sussex, UK, Karin Rylander, PhD, Institute of Clinical Neurosciences, Mikael Elam, PhD, Institute for Clinical Neuroscience, Sahlgren University Hospital, Sahlgrenska, Gothenburg, Sweden, Neil Harrison, MRCP MRCPsych, Institute of Cognitive Neuroscience, University College London, London, London, UK, B Gunnar Wallin, PhD, Institute for Clinical Neuroscience, Sahlgren University Hospital, Sahlgrenska, Gothenburg, Sweden, Hugo Critchley, DPhil MRCPsych, CISC, Brighton Sussex Medical School, University of Sussex, Brighton, East Sussex, UK

Paper Session: Experimental Stress Effects

Harborside D

Chair: Kristen Salomon, PhD

Abstract 1427

INDIVIDUAL DIFFERENCES IN SOCIAL VIGILANCE: MEASUREMENT AND ASSOCIATIONS WITH DAILY EXPERIENCE, PSYCHOSOCIAL RISK FACTORS, AND LAB REACTIVITY

John M. Ruiz, PhD, Psychology, Washington State University, Pullman, WA, Joshua Miller, PhD, Psychology, University of Georgia, Athens, GA, Heidi A. Hamann, PhD, James G. Hutchinson, MS, Psychology, Bruce R. Wright, MD, Timothy S. Freson, MS, Health and Wellness Services, Washington State University, Pullman, WA

Abstract 1367

SELF-ESTEEM LEVELS AND CARDIOVASCULAR AND INFLAMMATORY RESPONSES TO ACUTE STRESS.

Katie O'Donnell, MSc, Lena Brydon, PhD, Epidemiology and Public Health, UCL, London, UK, Caroline E. Wright, PhD, Oncological Science, Mount Sinai School of Medicine, New York, Andrew Steptoe, DPhil, Epidemiology and Public Health, UCL, London, UK

Abstract 1288

THE EFFECTS OF PSYCHOLOGICAL AND EXERCISE STRESSORS ON INFLAMMATORY AND BLOOD PRESSURE RESPONSES IN HEART FAILURE (HF)

Paul J. Mills, PhD, Barbara Woods, MS, Christopher Pruitt, Chrystalline Zapanta, BS, Douglas DeJardin, MS, Sarah E. Linke, MS, Suzi Hong, PhD, Laura S. Redwine, PHD, Joel E. Dimsdale, MD, Thomas Rutledge, PhD, Psychiatry, Alan Maisel, MD, Michael G. Ziegler, MD, Barry H. Greenberg, MD, Medicine, UCSD, San Diego, Ca

Abstract 1587

CARDIAC EFFECTS OF EXPERIMENTAL WORRY AND PROBLEM-SOLVING

Jos F. Brosschot, PhD, Psychology, University of Leiden, Leiden, RL, The Netherlands, Julian F. Thayer, PhD, Psychology, Ohio State University, Columbus, OH, Bart Verkukuil, PhD, Psychology, Leiden University, Leiden, RL, The Netherlands

Abstract 1571

BRIEF SLOW-BREATHING TRAINING OVER 1 WEEK DECREASES HEART RATE AND BLOOD PRESSURE RESPONSES DURING STRESS

Kristen Salomon, PhD, Lauren M. Bylsma, B.A., Mardis Karlsdóttir, B.A., Jonathan Rottenberg, PhD, Psychology, University of South Florida, Tampa, FL

Symposium 1341: Do Depression and Cardiovascular Risk Factors Share a Genetic Basis?

Harborside E

Chair: Brenda Penninx, PhD; Discussant: Jeanne McCaffery, PhD

Brenda W. Penninx, PhD, Psychiatry, VU University Medical Center, Amsterdam, Netherlands, Jeanne McCaffery, PhD, Weight Control and Diabetes Research Center, Brown Medical School, Providence, RI, Patrick F. Sullivan, PhD MD, Genetics, University of North Carolina, Chapel Hill, NC, Eco de Geus, PhD, Biological Psychology, VU University, Amsterdam, NH, Netherlands, Berenda Verhoeff, MD, Psychiatry, VU University Medical Center, Amsterdam, NH, Netherlands, Gonneke Willemsen, PhD, Biological Psychology, VU University, Amsterdam, NH, Netherlands, Vasiliki Lagou, PhD, Epidemiology, University Medical Center Groningen, Groningen, GR, Netherlands

Abstract 1343

THE GENETIC BASIS OF DEPRESSION: THE GAIN-MDD GENOME WIDE ANALYSIS AMONG 3760 PERSONS

Patrick F. Sullivan, PhD MD, Genetics, University of North Carolina, Chapel Hill, NC, Penninx B, Zitman F, Nolen W, Hoogendijk W, Smit J, Heutink P, Willemsen G, de Geus E, Boomsma D, for the NESDA and NTR study groups, VU University, Amsterdam, The Netherlands

Abstract 1345

THE GENETIC BASIS OF AUTONOMIC NERVOUS SYSTEM DYSFUNCTION: A GENOME WIDE ANALYSIS

Eco J. de Geus, PhD, Biological Psychology, VU University, Amsterdam, NH, Netherlands, Licht C, van Dyck R, Heutink P, Sullivan P, Willemsen G, Boomsma D, Penninx B. VU University, Amsterdam, The Netherlands and UNC Chapel Hill NC

Abstract 1346

THE GENETIC BASIS OF HPA-AXIS DYSFUNCTION: A GENOME WIDE ANALYSIS

Berend Verhoeff, MD, Psychiatry, VU University Medical Center, Amsterdam, NH, Netherlands, Hoogendijk W, Heutink P, Sullivan P, Zitman F, van Pelt H, de Rijk R, van Dyck R, Penninx B. NESDA research consortium, VU University Amsterdam and Leiden University Medical Center, Leiden, the Netherlands

Abstract 1349

THE GENETIC BASIS OF INSULIN AND GLUCOSE: A GENOME-WIDE ANALYSIS

Gonneke Willemsen, PhD, Biological Psychology, VU University, Amsterdam, NH, Netherlands, de Geus E, Heutink P, Sullivan P, Smit J, Boomsma D, Penninx B. VU University, Amsterdam and UNC Chapel Hill NC

Abstract 1350

A GENOME-WIDE ANALYSIS SCAN OF SYSTOLIC AND DIASTOLIC BLOOD PRESSURE

Vasiliki Lagou, PhD, Epidemiology, University Medical Center Groningen, Groningen, GR, Netherlands, Hartman CA, Penninx BW, de Geus EJ, Snieder H. University Medical Center Groningen, Groningen and VU University, Amsterdam

2:45 - 3:00 pm

BREAK

3:00 - 4:00 pm

CONCURRENT SESSIONS

Paper Session: Psychoneuroendocrinology

Harborside A/B

Chair: Marzio Sabbioni, MD

Abstract 1629

SEROTONIN TRANSPORTER GENE VARIATION IMPACT ON THE CORTISOL RESPONSE TO PSYCHOSOCIAL STRESS

Anett Mueller, Diploma, Biological Psychology, Burkhard Brocke, Professor, Differential and Personality Psychology, Eva Fries, PhD, Biological Psychology, Technical University of Dresden, Dresden, Germany, Klaus-Peter Lesch, Department of Psychiatry, University of Wuerzburg, Würzburg, Germany, Clemens Kirschbaum, Professor, Biological Psychology, Technical University of Dresden, Dresden, Germany

Abstract 1305

EVIDENCE OF DYSREGULATED PERIPHERAL OXYTOCIN RELEASE AMONG DEPRESSED WOMEN

Jill M. Cyranowski, PhD, Tara L. Hofkens, BA, Ellen Frank, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Howard Seltman, PhD, Statistics, Carnegie Mellon University, Pittsburgh, PA, Hou-Ming Cai, MD, Janet Amico, MD, Pharmaceutical Sciences, University of Pittsburgh, Pittsburgh, PA

Abstract 1336

VARIABILITY IN DIURNAL SLOPE: EXTENT, SOURCE, AND PREDICTORS

Suzanne C. Segerstrom, PhD, Psychology, University of Kentucky, Lexington, KY, Sandra E. Sephton, PhD, Psychological and Brain Sciences, University of Louisville, Louisville, KY

Abstract 1592

OLFACTORY INFLUENCES ON MOOD AND AUTONOMIC, ENDOCRINE, AND IMMUNE FUNCTION

Janice K. Kiecolt-Glaser, PhD, Institute for Behavioral Medicine Research, Ohio State University College of Medicine, Columbus, OH, Jennifer E. Graham, PhD, Department of Biobehavioral Health, Pennsylvania State University, University Park, PA, William B. Malarkey, MD, Internal Medicine, Kyle Porter, M.A.S., Center for Biostatistics, Ohio State University College of Medicine, Columbus, OH,

Stanley Lemeshow, PhD, Ohio State University College of Public Health, Ohio State University, Columbus, OH, Ronald Glaser, PhD, Institute for Behavioral Medicine Research, Ohio State University College of Medicine, Columbus, OH

Paper Session: Positive Psychology

Harborside C

Chair: Gail Ironson, MD, PhD

Abstract 1704

SPIRITUAL TRANSFORMATIONS IN PEOPLE WITH HIV PREDICTS LOWER MORTALITY

Gail Ironson, MD, PhD, Heidemarie Kremer, MD, PhD, Psychology & Behavioral Medicine, University of Miami, Coral Gables, FL

Abstract 1065

DOES POSITIVE AFFECT INFLUENCE MORTALITY?: A META-ANALYSIS

Yoichi Chida, MD, PhD, Andrew Steptoe, D.Phil, Department of Epidemiology and Public Health, University College London, London, UK

Abstract 1747

THE RELATIONSHIP OF OPTIMISM AND ACCULTURATION ON MENTAL WELL-BEING AND BIRTH OUTCOMES

Jeanne Ruiz, PhD, Nursing, University of Texas Medical Branch, Galveston, Texas, Sheryl Bishop, PhD, Nursing, UTMB, Galveston, Texas

Abstract 1391

POSITIVE FEELINGS AND LONGEVITY

Laura D. Kubzansky, PhD, Society, Human Development, and Health, Harvard School of Public Health, Boston, MA, Rebecca C. Thurston, PhD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA

Symposium 1514: Stress, Cytokines, Mood and Pain in Rheumatoid Arthritis: Integrating Naturalistic, Laboratory-based and Intervention Research

Harborside D

Chair: Sarosh Motivala, PhD

Sarosh J. Motivala, PhD, Cousins Center for Psychoneuroimmunology, UCLA Semel Institute, Los Angeles, CA, Howard Tennen, PhD, Community Medicine and Health Care, University of Connecticut, Farmington, CT, Alex J. Zautra, PhD, Psychology, Arizona State University, Tempe, AZ, Sarosh J. Motivala, PhD, Cousins Center for Psychoneuroimmunology, UCLA Semel Institute, Los Angeles, CA

Abstract 1515

DAILY PROCESS AND EXPERIMENTAL EVIDENCE LINKING DEPRESSION HISTORY, EMOTIONAL REACTIONS TO PAIN, AND STRESS REACTIVE PAIN IN RHEUMATOID ARTHRITIS

Howard Tennen, PhD, Community Medicine and Health Care, University of Connecticut, Farmington, CT

Abstract 1680

CYTOKINE PRODUCTION FOLLOWING ACUTE STRESS IN RHEUMATOID ARTHRITIS PATIENTS VS. HEALTHY CONTROLS

Sarosh J. Motivala, PhD, Cousins Center for Psychoneuroimmunology, UCLA Semel Institute, Los Angeles, CA, Dinesh Khanna, MD, John FitzGerald, MD, Rheumatology, UCLA, Los Angeles, CA, Michael R. Irwin, MD, Cousins Center for Psychoneuroimmunology, UCLA Semel Institute, Los Angeles, CA

Abstract 1597

EFFECTS OF COGNITIVE-BEHAVIORAL AND MINDFULNESS MEDITATION INTERVENTIONS COMPARED TO CONTROLS ON ADAPTATION TO RHEUMATOID ARTHRITIS

Alex J. Zautra, PhD, Mary C. Davis, PhD, Patrick Finan, M.S., John W. Reich, PhD, Psychology, Arizona State University, Tempe, AZ

Paper Session: Social and Environmental Determinants of Health Harborside E

Chair: Tené Lewis, PhD

Abstract 1282

POOR SOCIAL INTEGRATION IS AN INDEPENDENT RISK FACTOR FOR INCIDENT HEART FAILURE IN ELDERLY MALES BUT NOT FEMALES: THE NHLBI CARDIOVASCULAR HEALTH STUDY LIMITED ACCESS DATASET

Heather L. Rogers, MPH, David S. Krantz, PhD, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD

Abstract 1654

EXPERIENCES OF DISCRIMINATION AND BLOOD PRESSURE IN OLDER AFRICAN-AMERICAN AND WHITE ADULTS

Tené Lewis, PhD, Epidemiology & Public Health, Yale University, New Haven, CT, Lisa Barnes, PhD, Neurology, Julia Bienias, ScD, Denis Evans, MD, Carlos Mendes de Leon, PhD, Internal Medicine, Rush University Medical Center, Chicago, IL

Abstract 1689

LOW INCOME PREDICTS INCREASED SYSTEMIC INFLAMMATION IN A NATIONAL SAMPLE OF MIDDLE AGED ADULTS (MIDUS)

Elliot M. Friedman, PhD, Institute on Aging, Pamela Herd, PhD, Sociology, Burton H. Singer, PhD, Institute on Aging, Carol D. Ryff, PhD, Institute on Aging and Psychology, University of Wisconsin-Madison, Madison, WI

Abstract 1715

THE SEROTONIN TRANSPORTER GENE MODERATES ENVIRONMENTAL STRESS EFFECTS ON SELF-ESTEEM

Charles R. Jonassaint, MA, Allison Ashley-Koch, PhD, Psychiatry, Duke University, Durham, NC, Keith Whitfield, PhD, Psychology, Redford B. Williams, MD, Psychiatry, Duke University, Durham, NC

4:00 - 4:15 pm

BREAK

4:15 - 5:15 pm

CONCURRENT SESSIONS

Paper Session: Cognitive and Behavioral Predictors of Health Outcomes

Harborside A/B

Chair: Deidre Pereira, PhD

Abstract 1589

DEMYSTIFYING THE WORKING THROUGH PARADOX: PSYCHOLOGICAL AND PHYSIOLOGICAL PROCESSES AND OUTCOMES DISTINGUISHING REFLECTIVE PROCESSING OF NEGATIVE EMOTIONS FROM RUMINATION

Ethan Kross, PhD, Psychology, Columbia University, New York, NY, Oslem Ayduk, PhD, Psychology, University of California, Berkeley, Berkeley, CA

Abstract 1720

RESTORATIVE ACTIVITIES ARE ASSOCIATED WITH PHYSIOLOGICAL AND PSYCHOLOGICAL WELL-BEING

Sarah D. Pressman, PhD, Karen A. Matthews, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Sheldon Cohen, PhD, Michael Scheier, PhD, Psychology, Carnegie Mellon University, Pittsburgh, PA, Lynn M. Martire, PhD, Richard Schulz, PhD, University Center for Social and Urban Research, Andy Baum, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

Abstract 1120

RESOLVING CAUSE AND EFFECT IN THE ASSOCIATION BETWEEN EXERCISE PARTICIPATION AND DEPRESSION AND ANXIETY

Eco J. De Geus, PhD, Marleen H. De Moor, PhD, Janine H. Stubbe, PhD, Gonneke Willemsen, PhD, Dorret I. Boomsma, PhD, Biological Psychology, Vrije Universiteit Amsterdam, Amsterdam, Amsterdam, The Netherlands

Abstract 1182

THE EFFECT OF RELIGIOUS INVOLVEMENT ON HEALTH IN 25 EUROPEAN COUNTRIES

A Nicholson, PhD, Epidemiology & Public Health, University College London, London, UK, R Rose, DPhil, Centre for Study of Public Policy, University of Aberdeen, Aberdeen, UK, M Bobak, PhD, Epidemiology & Public Health, University College London, London, UK

**Paper Session: Biological, Psychological and Behavioral
Correlates of Health and Functioning in Late-life**

Harborside C

Chair: Martica Hall, PhD

Abstract 1258

HEART RATE VARIABILITY AND COGNITIVE FUNCTION IN THE BALTIMORE LONGITUDINAL STUDY OF AGING

Jessica P. Brown, PhD, Epidemiology and Preventive Medicine, University of Maryland, School of Medicine, Baltimore, MD, John J. Sollers, III, PhD, Julian F. Thayer, PhD, Psychology, The Ohio State University, Columbus, OH, Alan B. Zonderman, PhD, Laboratory of Personality and Cognition, Gerontology Research Center, NIA, Baltimore, MD, Shari R. Waldstein, PhD, Psychology, University of Maryland Baltimore County, Baltimore, MD

Abstract 1668

VARIABILITY IN CORTISOL AMONG THE AGING: RELATIONSHIP TO CHRONIC STRESS AND GOOD SLEEP

Michele L. Okun, PhD, Charles F. Reynolds III, MD, Timothy Monk, PhD, Martica Hall, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Abstract 1721

PRIOR DEPRESSION HISTORY PREDICTS PHYSICAL HEALTH DECLINE IN COMMUNITY-DWELLING OLDER ADULTS - A PROSPECTIVE COHORT STUDY

Hyong Jin Cho, MD/PhD, Helen Lavretsky, MD, Richard Olmstead, PhD, Michael R. Irwin, MD, Cousins Center for Psychoneuroimmunology, UCLA, Los Angeles, CA

Abstract 1697

GENDER DIFFERENCES PROMINENT IN LINKING ANXIETY TO LONG-TERM MORTALITY AMONG THE ELDERLY

Jianping Zhang, MD, PhD, Psychiatry and Psychology, Cleveland Clinic Foundation, Cleveland, OH, Boaz Kahana, PhD, Psychology, Cleveland State University, Cleveland, OH, Eva Kahana, PhD, Sociology, Case Western Reserve University, Cleveland, OH, Bo Hu, PhD, Quantitative Health Sciences, Leo Pozuelo, MD, Psychiatry and Psychology, Cleveland Clinic Foundation, Cleveland

Paper Session: Interpersonal Processes and Health

Harborside D

Chair: Do-Un Jeong, MD

Abstract 1603

PRENATAL PSYCHOSOCIAL STRESS EXPOSURE AND NEUROENDOCRINE, IMMUNE AND METABOLIC FUNCTION IN HUMAN ADULTS

Sonja Entringer, PhD, Psychiatry & Human Behavior, University of California, Irvine, Orange, CA, Robert Kumsta, PhD, Dirk H. Hellhammer, PhD, Psychobiology, University of Trier, Trier, Germany, Edward L. Nelson, MD, Department of Medicine, University of California, Irvine, Irvine, CA, Stefan Wuest, PhD, Psychobiology, University of Trier, Trier, Germany, Pathik D. Wadhwa, PhD, MD, Psychiatry & Human Behavior, University of California, Irvine, Irvine, CA

Abstract 1525

LONGITUDINAL RELATIONSHIPS BETWEEN FAMILY ROUTINES AND BIOLOGICAL PROFILES IN YOUTH WITH ASTHMA

Hannah M. Schreier, B.A., Jennifer A. Munch, B.A., Edith Chen, PhD., Psychology, UBC, Vancouver, BC, Canada

Abstract 1543

INTIMACY AND DAILY CORTISOL LEVELS IN ROMANTIC COUPLES

Beate Ditzen, PhD, Clinical Psychology & Psychotherapy, University of Zurich, Institute of Psychology, Zurich, Switzerland, Christiane A. Hoppmann, PhD, School of Psychology, Georgia Institute of Technology, Atlanta, GA, Petra Klumb, PhD, Department of Psychology, University of Fribourg, Fribourg, Switzerland

Abstract 1232

MATTERS OF THE VARIABLE HEART: RESPIRATORY SINUS ARRHYTHMIA AS AN INDEX OF SEX DIFFERENCES IN SELF-REGULATION IN MARRIAGE

Timothy W. Smith, PhD, Matthew Cribbett, BS, Jill Nealey-Moore, PhD, Bert Uchino, PhD, Paula G. Williams, PhD, Psychology, University of Utah, Salt Lake City, UT, Julian F. Thayer, PhD, Psychology, Ohio State University, Columbus, OH

Paper Session: Treatment Effects**Harborside E**

Chair: Theodore A. Stern, MD

Abstract 1627

THE USE OF ALPHA-2 AGONIST IN THE PREVENTION OF DELIRIUM AFTER CARDIAC SURGERY

Jose R. Maldonado, MD, Psychiatry & Behavioral Sciences, Biomedical Ethics, Stanford University, Stanford, California, Ashley Wysong, MS, Yale School of Medicine, Stanford, California, Pieter van der Starre, MD, Anesthesia, Thaddeus Block, MD, Psychiatry & Behavioral Sciences, Stanford University, Stanford, California

Abstract 1153

CONDITIONED PHARMACOTHERAPEUTIC RESPONSES IN PSORIASIS

Robert Ader, PhD, Psychiatry, Marygail Mercurio, MD, Dermatology, University of Rochester, Rochester, New York, David F. Fiorentino, MD, Alexa Kimball, MD, Dermatology, Stanford University, Stanford, California, James Walton, B.S., Psychiatry, Deborra James, R.N., Dermatology, University of Rochester, Rochester, New York, Michael Davis, B.A., Valerie Ojha, RN, Dermatology, Stanford University, Stanford, California

Abstract 1320

A RANDOMIZED CLINICAL TRIAL OF THREE PSYCHOSOCIAL TREATMENTS FOR RHEUMATOID ARTHRITIS

Arthur J. Barsky, MD, Psychiatry, Brigham and Women's Hospital/Harvard Medical School, Boston, MA

Abstract 1236

CITALOPRAM IMPROVES METABOLIC RISK FACTORS AMONG HIGH HOSTILE ADULTS: RESULTS OF A PLACEBO-CONTROLLED INTERVENTION

Thomas W. Kamarck, PhD, Psychology, Matthew F. Muldoon, MD, Medicine, Roger F. Haskett, MD, Psychiatry, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA, Janine D. Flory, PhD, Psychology, Queens College, City University of New York, Flushing, NY

5:00 - 6:00 pm

SPECIAL MEETING**Galena Room****Ad hoc Journal Committee Meeting****By invitation only**

5:15 - 6:30 pm

Poster Session 2**Harborside Foyer****140) Abstract 1230**

B-TYPE NATRIURETIC PEPTIDES ASSOCIATED WITH LOW ANXIETY IN PATIENTS WITH CONGESTIVE HEART FAILURE (CHF)

Christoph Herrmann-Lingen, Prof. Dr. med., Andreas Cordes, Dipl. Psych., Psychosomatic Medicine, Michael M. Kochen, Prof. Dr. med., Martin Scherer, Dr. med., General Practice, Rolf Wachter, Dr. med., Cardiology, Lutz Binder, Dr. med., Clinical Chemistry, University, Göttingen, Germany, Burkert Pieske, Prof. Dr. med., Cardiology, University Hospital, Graz, Austria

141) Abstract 1468

INFLAMMATORY MARKERS AND NEGATIVE MOOD SYMPTOMS FOLLOWING EXERCISE WITHDRAWAL

Willem J. Kop, PhD, Medicine (Cardiology), University of Maryland Medical Center, Baltimore, MD, Ali A. Weinstein, PhD, College of Health and Human Services, George Mason University, Fairfax, VA, Patricia A. Deuster, PhD, Emergency Medicine, USUHS, Bethesda, MD, Russell P. Tracy, PhD, Pathology, U.Vermont, Burlington, VT

142) Abstract 1585

DEPRESSIVE SYMPTOMS & INFLAMMATION IN CONGESTIVE HEART FAILURE PATIENTS VS. HEALTHY INDIVIDUALS

Suzi Hong, PhD, Christopher Pruitt, B.S., Barbara G. Woods, B.S., Chrystalline Zapanta, Sarah Linke, M.A., Laura Redwine, PhD, Douglas DeJardin, B.S., Thomas R. Rutledge, PhD, Joel E. Dimsdale, MD, Psychiatry, Barry H. Greenberg, MD, Alan Maisel, MD, Medicine, Paul J. Mills, PhD, Psychiatry, University of California San Diego, La Jolla, California

143) Abstract 1532

INVESTIGATING ORDER EFFECTS OF TWO INTERPERSONAL TASKS ON CARDIOVASCULAR AND EMOTIONAL REACTIVITY

Matthew C. Whited, MS, Kevin T. Larkin, PhD, Amanda L. Wheat, BA, Psychology, West Virginia University, Morgantown, WV

144) Abstract 1757

STRESS AND SYMPATHETIC REACTIVITY

Thomas J. Pardikes, MA, Ben Allen, BS, Chad L. Stephens, MS, Psychology, Bruce H. Friedman, PhD, Psychology, Virginia Tech University, Blacksburg, VA

145) Abstract 1738

HOSTILITY PREDICTS CIRCULATING ENDOTHELIAL MICROPARTICLES

Sally W. Aboeela, PhD, School of Nursing, Columbia University, New York, NY, Kuruvilla Sujith, MD, Nallela Kiran, MD, School of Medicine, Burg M. Matthew, PhD, Syed Ahsan, MD, Daichi Shimbo, MD, General Medicine, Columbia University, NY, NY

146) Abstract 1731

THE IMPACT OF ANGER AND SOCIOECONOMIC STATUS ON CARDIOVASCULAR DISEASE RISK AMONG AFRICAN AMERICANS

Catherine J. Mills, BA, Jonathan Livingston, PhD, Dwayne Brandon, PhD, Psychology, Mildred Pointer, PhD, Biology, North Carolina Central University, Durham, NC

147) Abstract 1726

PLATELET REACTIVITY: A POSSIBLE LINK BETWEEN HOSTILITY AND INCIDENT CORONARY HEART DISEASE EVENTS?

Sujith Kuruvilla, MD, Medicine, Sally Aboeela, PhD, School of Nursing, Dennis Abraham, MD, Moshe Levison, PhD, Kiran Nallella, MD, Geetha Pinto, MD, Matthew Burg, PhD, Daichi Shimbo, MD, Medicine, Columbia University Medical Center, New York, New York

148) Abstract 1655

COPING STYLES DISTINGUISH PRESENCE/ABSENCE OF INDUCIBLE MENTAL STRESS ISCHEMIA IN CORONARY ARTERY DISEASE PATIENTS

Sari D. Holmes, MS, Kerry Whittaker, BS, David S. Krantz, PhD, Dept of Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, John S. Gottdiener, MD, Cardiology Division, University of Maryland School of Medicine, Baltimore, MD

149) Abstract 1707

AUTONOMIC REACTIVITY IN HIGH AND LOW TRAIT WORRY

Bruce H. Friedman, PhD, Psychology, Michael M. Knepp, MS, Psychology, Virginia Tech, Blacksburg, Virginia

150) Abstract 1666

PHYSICAL FITNESS AFFECTS CIRCULATING SICAM-1 LEVELS IN RESPONSE TO EXERCISE

Julie L. Sadjia, B.A., Suzi Hong, Kate M. Edwards, PhD, Paul J. Mills, PhD, Psychiatry, University of California, San Diego, San Diego, CA

151) Abstract 1620

PERSONALITY AND INFLAMMATION: THE PROTECTIVE EFFECT OF OPENNESS TO EXPERIENCE

Charles R. Jonassaint, MA, Psychology, Stephen H. Boyle, PhD, Psychiatry, Cynthia M. Kuhn, PhD, Pharmacology, Ilene C. Siegler, PhD, Redford B. Williams, MD, Psychiatry, Duke University, Durham, NC

152) Abstract 1632

COPING WITH STRESS AND INFLAMMATION MARKERS IN CONGESTIVE HEART FAILURE

Chrystalline Zapanta, Sarah Linke, Thomas R. Rutledge, Laura Redwine, Doug DeJardin, Suzi Hong, Barbara G. Woods, Christopher Pruitt, Paul J. Mills, Psychiatry, University of California, San Diego, La Jolla, CA

153) Abstract 1512

AGONISTIC STRIVING PREDICTS VAGAL REGULATION DURING ANGER RECOVERY IN ADOLESCENT MALES

Craig K. Ewart, PhD, Marta Kadziolka, MA, Nina J. Stoeckl, MA, Mi M. Ditmar, BA, Gavin Elder, BA, Randall S. Jorgensen, PhD, Michelle Payeur, BA, Psychology, Syracuse University, Syracuse, NY

154) Abstract 1340

CARDIOVASCULAR, AFFECTIVE, AND INTERPERSONAL MOTIVE RESPONSES TO CONFLICT AND COMFORT TASKS AMONG HIGH AND LOW HOSTILE MEN AND WOMEN

Lauren M. Penwell, BA, Matthew Whited, MS, Kevin Larkin, PhD, Psychology, West Virginia University, Morgantown, WV

155) Abstract 1283

VAGAL WITHDRAWAL AND ISCHEMIA DURING MENTAL STRESS AND EXERCISE IN PATIENTS WITH CORONARY ARTERY DISEASE AND VULNERABILITY TO ARRHYTHMIAS

Heather L. Rogers, MPH, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, Willem J. Kop, PhD, Cardiology, University of Maryland Medical Center, Baltimore, MD, Anna Ghambaryan, MS, Sari D. Holmes, MS, Chiao-Wen Hsiao, MS, David S. Krantz, PhD, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD

156) Abstract 1263

OXYTOCIN HAS BENEFICIAL EFFECTS ON DEPRESSION-LIKE BEHAVIORS AND CARDIAC DYSREGULATION IN SOCIALLY ISOLATED PRAIRIE VOLES

Angela J. Grippo, PhD, Diane Trahanas, Robert Zimmerman, Iman Hassan, Maulin Shah, Damon G. Lamb, Stephen W. Porges, C. Sue Carter, Psychiatry, University of Illinois at Chicago, Chicago, IL

157) Abstract 1158

SYMPTOMS OF DEPRESSION IN PATIENTS WITH CORONARY ARTERY DISEASE: THE ROLE OF THYROID HORMONE AND CORTISOL.

Robertas Bunevicius, MD, Psychosomatic, Vilte Gintauskiene, MD, Cardiovascular rehabilitation, Institute of Psychophysiology and rehabilitation, Palanga, Lithuania

158) Abstract 1133

HOSTILITY PREDICTS AMBULATORY BLOOD PRESSURE REACTIVITY IN AFRICAN AMERICANS

J.D. Lane, PhD, R.B. Williams, MD, R.S. Surwit, PhD, Psychiatry, Duke University Medical Center, Durham, NC

159) Abstract 1691

MENTAL STRESS AND EXERCISE HEART RATE RECOVERY IN PATIENTS WITH CORONARY ARTERY DISEASE (CAD) AND ARRHYTHMIC VULNERABILITY

Anna Ghambaryan, MS, Chiao-Wen Hsiao, MS, Heather L. Rogers, MS, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, Willem J. Kop, PhD, Division of Cardiology, University of Maryland Medical Center, Baltimore, MD, Mark C. Haigney, MD, Cardiology, David S. Krantz, PhD, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD

160) Abstract 1669

PARASYMPATHETIC WITHDRAWAL AND SYMPATHETIC AROUSAL DURING ANGER CORRELATE WITH ELEVATED ENDOTHELIN-1 IN PATIENTS WITH CORONARY ARTERY DISEASE

Aaron Soufer, BS, Hooman Ranjbaran, MD, Brendon Graeber, MD, Matthew Burg, PhD, Joyce Liu, BS, Rachel Lampert, MD, George Tellides, MD, PhD, Dorothea Collins, ScD, Robert Soufer, MD, Section of Cardiovascular Medicine, Yale University School of Medicine, New Haven, CT

161) Abstract 1686

RELATIONSHIP BETWEEN INFLAMMATORY PROCESSES AND DEPRESSIVE DISORDERS

Roxanne Pelletier, B.Sc, Kim L. Lavoie, Ph.D, Philippe Stébenne, B.Sc., Jennifer Gordon, B.Sc., Sandra Pelaez, M.Sc., Catherine Laurin, Ph.D, Bernard Meloche, André Arsenault, MD, Simon L. Bacon, Ph.D, Montreal Behavioural Medicine Centre, MHI / UQAM / Concordia / HSCM, Montreal, Quebec, Canada

162) Abstract 1684

CNS ACTIVATION DURING MENTAL STRESS IN DEPRESSED AND ANXIOUS PATIENTS WITH CORONARY ARTERY DISEASE

Elisabeth J. Martens, PhD, Medical Psychology, Tilburg University, Tilburg, Brabant, The Netherlands, Matthew M. Burg, PhD, Section of Cardiovascular Medicine, Yale University School of Medicine, New Haven, CT, Peter J. Gianaros, PhD, Department of Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA, Joyce Liu, MA, Aaron Soufer, MA, Robert Soufer, PhD, Section of Cardiovascular Medicine, Yale University School of Medicine, New Haven, CT

163) Abstract 1676

RACIAL IDENTITY AND CARDIOVASCULAR PSYCHOPHYSIOLOGY

Enrique W. Neblett, Jr., PhD, Jules P. Harrell, PhD, Psychology, Howard University, Washington, DC

164) Abstract 1640

PERSONALITY IS NOT RELATED TO CARDIOVASCULAR AND IMMUNE RESPONSES TO LABORATORY STRESS

Gonneke Willemsen, PhD, Biological Psychology, VU University Amsterdam, Amsterdam, The Netherlands, Douglas Carroll, PhD, Christopher M. Ring, PhD, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, United Kingdom

165) Abstract 1284

DISPOSITIONAL HOSTILITY AND GENDER: AN EXAMINATION OF BLOOD PRESSURE AND HEART RATE VARIABILITY ACROSS COGNITIVE AND EMOTIONAL LABORATORY TASKS

David K. Chatkoff, PhD, Psychology, University of Michigan - Dearborn, Dearborn, MI, Karl J. Maier, PhD, Psychology, Salisbury University, Salisbury, MD, Mohamad K. Hammoud, Pallavi Munkrishna, M.S., Olga Karasina, Kristen L. Ayers, B.S., Psychology, University of Michigan - Dearborn, Dearborn, MI

166) Abstract 1575

BIOMARKERS, MEMORY AND PERFORMANCE IN POLICE OFFICERS EXPOSED TO A POTENT, ECOLOGICALLY VALID STRESSOR

Dana C. Nevedal, M.Ed, Mark A. Lumley, Ph.D, Psychology, Wayne State University, Detroit, MI, Lena Backman, MSc, Stockholm Centre for Public Health, Stockholm, Sweden, Ake Lublin, MD, Red Cross Hospital, Stockholm, Sweden, Bengt B. Arnetz, Ph.D, Family Medicine & Public Health Sciences, Wayne State University School of Medicine, Detroit, MI

167) Abstract 1280

THE ROLE OF COPING FLEXIBILITY IN PSYCHOPHYSIOLOGICAL REACTIVITY FROM A STRESSFUL LABORATORY TASK

Jessica K. Gerfen, B.A., Psychology, Rosalind Franklin University of Medicine and Science, North Chicago, IL, Sandra G. Zakowski, PhD, Psychology, Argosy University, Chicago Campus, Chicago, IL

168) Abstract 1631

TEMPORAL STABILITY OF CARDIOVASCULAR AND IMMUNE RESPONSES TO LABORATORY STRESS IN MEN AND WOMEN

Gonneke Willemsen, PhD, Biological Psychology, VU University Amsterdam, Amsterdam, The Netherlands, Christopher M. Ring, PhD, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, United Kingdom, Bianca Buis, Bsc, Biological Psychology, VU University Amsterdam, Amsterdam, The Netherlands, Douglas Carroll, PhD, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, United Kingdom

169) Abstract 1255

ATTENUATED BETA ENDORPHIN RESPONSE TO ACUTE STRESS IS ASSOCIATED WITH SMOKING RELAPSE

Darcy D. Shaw, BS, Mustafa al'Absi, PhD, Behavioral Sciences, University of Minnesota Medical School, Duluth, MN

170) Abstract 1681

ANGRY RESPONSES TO AN ACUTE PSYCHOLOGICAL STRESSOR PREDICT INTERLEUKIN(IL)-6 REACTIVITY

Judith E. Carroll, M.S., Aric A. Prather, M.S., Jackie M. Fury, B.S., Kevin K. McDade, M.S., Diana C. Ross, R.N., M.S., Anna L. Marsland, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

171) Abstract 1049

SOCIAL SUPPORT, SOCIAL INTIMACY, AND CARDIOVASCULAR REACTIONS TO ACUTE PSYCHOLOGICAL STRESS

Anna C. Phillips, PhD, Stephen Gallagher, Douglas Carroll, Sport & Exercise Sciences, University of Birmingham, Birmingham, UK

172) Abstract 1353

CHANGES IN PERIPHERAL BLOOD GENE EXPRESSION PATHWAYS DUE TO ACUTE PSYCHOSOCIAL STRESS

Urs M. Nater, PhD, Toni Whistler, PhD, William Lonergan, PhD, Suzanne D. Vernon, PhD, Chronic Viral Diseases Branch, Centers for Disease Control & Prevention, Atlanta, GA, Christine Heim, PhD, Psychiatry & Behavioral Sciences, Emory University School of Medicine, Atlanta, GA

173) Abstract 1660

THE VALENCE OF AUDIENCE FEEDBACK AND CORTISOL REACTIVITY TO SOCIAL-EVALUATIVE THREAT

Sally S. Dickerson, PhD, Psychology & Social Behavior, University of California, Irvine, Irvine, CA, Megan L. Robbins, BA, Psychology, University of Arizona, Tuscon, Arizona, Eden B. Epstein, MA, Peggy J. Mycek, MA, Psychology & Social Behavior, University of California, Irvine, Irvine, CA, Frank P. Zaldivar, PhD, Pediatrics, School of Medicine, University of California, Irvine, Orange, CA

174) Abstract 1116

EXAGGERATED NEUROIMMUNOLOGICAL RESPONSIVENESS OF DEPRESSED INDIVIDUALS TO ACUTE MENTAL STRESS

Ali A. Weinstein, PhD, Center for Study of Chronic Illness and Disability, George Mason University, Fairfax, VA, Patricia A. Deuster, PhD, Military and Emergency Medicine, Jennifer L. Francis, PhD, Medicine, Uniformed Services University of the Health Sciences, Bethesda, MD, Willem J. Kop, PhD, Cardiology, University of Maryland Medical Center, Baltimore, MD

175) Abstract 1733

DAILY CAFFEINE USE IMPACTS NEUROENDOCRINE AND CARDIOVASCULAR RESPONSES TO LABORATORY STRESS IN HEALTHY MEN

Laura Cousino Klein, PhD, Jeanette M. Bennett, M.S., Courtney A. Whetzel, M.S., Biobehavioral Health, Frank E. Ritter, PhD, School of Information Sciences and Technology, The Pennsylvania State University, University Park, PA

176) Abstract 1745

INTERPERSONAL DEPENDENCY: DOES HEALTHINESS OF DEPENDENCY AFFECT BLOOD PRESSURE REACTIVITY?

Brian J. Richards, B.S., H. Mei Ng, M.S., Regina M. Warfel, B.S., Kathi L. Heffner, Ph.D, Psychology, Ohio University, Athens, Ohio

177) Abstract 1751

EFFECTS OF UNSATURATED FATTY ACIDS FROM PISTACHIOS, WALNUTS, AND FLAX ON HEMODYNAMIC REACTIVITY TO STRESS

Sheila G. West, PhD, Biobehavioral Health, Sarah K. Gebauer, PhD, Nutritional Sciences, Colin D. Kay, PhD, Biobehavioral Health and Nutritional Sciences, Penny M. Kris-Etherton, PhD, RD, Nutritional Sciences, Pennsylvania State University, University Park, PA

178) Abstract 1608

HEALTHY AND UNHEALTHY INTERPERSONAL DEPENDENCE: DEMONSTRATION OF DIFFERENCES IN PHYSIOLOGICAL REACTIVITY

H. Mei Ng, M.S., Regina M. Warfel, B.S., Brian J. Richards, B.S., Kathi L. Heffner, Ph.D, Psychology, Ohio University, Athens, Ohio

179) Abstract 1190

SOCIAL SUPPORT AND SOCIAL ANXIETY EFFECTS ON PHYSIOLOGICAL REACTIVITY

Amy R. Borchardt, B.S., Kathi L. Heffner, Ph.D, Psychology, Ohio University, Athens, OH

180) Abstract 1637

COMPARISON OF DIARIES VERSUS A RECALL QUESTION TO ASSESSMENT ABDOMINAL PAIN IN CROHN'S DISEASE

Leighann Litcher-Kelly, PhD, Arthur A. Stone, Ph.D, Psychiatry and Behavioral Sciences, Stony Brook University, Stony Brook, NY

181) Abstract 1412

ARE DIAGNOSTIC AND EMPIRICAL ESOPHAGEAL PROCEDURES STRESSFUL?

Kerstin A. Suárez-Hitz, lic.phil., Ulrike Ehlert, Professor, Clinical Psychology and Psychotherapy, University of Zurich, Zürich, Switzerland, Radu Tutuian, PD, Michael Fried, Professor, Daniel Pohl, Gastroenterology and Hepatology, University Hospital Zurich, Zurich, Switzerland

182) Abstract 1306

IMPACT OF PATIENT-PHYSICIAN DISCORDANCE ON RECEIPT OF A COLORECTAL CANCER SCREENING REFERRAL

Maida J. Sewitch, PhD, Medicine, McGill University, Montreal, Quebec, Canada, Caroline Fournier, MSc, Clinical Epidemiology, McGill University Health Center, Montreal, Quebec, Canada

183) Abstract 1413

THE CYTOPROTECTIVE AND ANTISECRETORY EFFECTS OF LIPIN ON GASTRIC PARIETAL CELLS UNDER STRESS-INDUCED ULCER STOMACH

Evgeniya A. Strotska, post-graduate, Biochemistry, Biological faculty, Ludmila I. Ostapchenko, professor, Biochemistry, Biological Faculty, Taras Shevchenko National University, Kyiv, Ukraine

184) Abstract 1428

MEASUREMENT OF GASTRIC H⁺,K⁺-ATPASE ACTIVITIES IN PATIENTS WITH OR WITHOUT HELICOBACTER PYLORI-ASSOCIATED DUODENAL ULCER IN ACUTE AND REMISSION OF DISEASE

Tatiana I. Galenova, student, Biochemistry, Taras Shevchenko National University, Kyiv, student, Ukraine, Evgeniya A. Strotska, post-graduate, Biochemistry, Taras Shevchenko National University, Kyiv, post-graduate, Ukraine, Ludmila I. Ostapchenko, Professor, Biochemistry, Taras Shevchenko National University, Kyiv, Dean of Biological faculty, Ukraine, Mariana S. Romanenko, post-graduate, Gastroenterology, Ukraine Institute of Gerontology AMSU, Kyiv, Doctor, Ukraine

185) Abstract 1429

INDIVIDUAL DIFFERENCES IN WORK OVERLOAD PREDICT THE RESPONSE OF THE ROSTRAL ANTERIOR CINGULATE CORTEX TO ACUTE INTEROCEPTIVE STRESSOR

Satoshi Watanabe, PhD, Motoyori Kanazawa, MD, PhD, Takahiro Terui, MD, Hiroataka Mine, M.S., Toyohiro Hamaguchi, PhD, Behavioral Medicine, Kazuhiko Yanai, MD, PhD, Pharmacology, Masatoshi Itoh, MD, PhD, Cyclotron and Radioisotope Center, Shin Fukudo, MD, PhD, Behavioral Medicine, Tohoku University, Sendai, Japan

186) Abstract 1445

INFLUENCE OF STRESS ON THE PROTEIN KINASES ACTIVITY IN DIFFERENT FRACTIONS OF GASTRIC MUCOSA DURING THE ULCERATION

Iaroslav Rudenko, Viktoria Kovalyova, PhD, Larisa Gavrish, PhD, Ludmila Ostapchenko, PhD, Biology, National Taras Shevchenko University of Kyiv, Kyiv, Ukraine

187) Abstract 1195

COMPARISON OF NEUROPSYCHIATRIC MEASURES DURING TREATMENT WITH PEGYLATED INTERFERON ALFA-2A OR ALFA-2B IN VETERANS WITH CHRONIC HEPATITIS C

Amy Webb, MD, Isela Poy, MD, Olga Ali, PA-C, Anastacio Hoyumpa, MD, Gastroenterology, Robin Hilsabeck, PhD, Paul Ingmundson, PhD, Anna Dematatis, PhD, Geoffrey Hutchinson, PhD, Kenneth Major, ph, Emma Mata-Galan, PhD, Psychology, Shuko Lee, Laurel Copeland, PhD, VERDICT Research and Development, Angela Casas, Shawn Johnson, Marcia Jovel, Stephanie Garcia, Rebecca Stein, Stephen Stern, MD, Psychiatry, South Texas Veterans Healthcare System, San Antonio, TX

188) Abstract 1508

ADAPTIVE AND MALADAPTIVE COPING STRATEGIES FOR THE MANAGEMENT OF VECTION-INDUCED NAUSEA AND MOTION SICKNESS

Max E. Levine, PhD, Psychology, Siena College, Loudonville, NY, Robert M. Stern, PhD, Psychology, Penn State University, University Park, PA, Kenneth L. Koch, MD, Internal Medicine/Gastroenterology, Wake Forest University School of Medicine, Winston-Salem, NC

189) Abstract 1159

PSYCHIATRIC OUTCOMES IN A RESIDENT-RUN MULTIDISCIPLINARY HEPATITIS C CLINIC

Nicole M. Agostino, DO, Internal Medicine, Edward R. Norris, MD, Psychiatry, Joseph L. Yozviak, Charles M. Brooks, MD, Eric J. Gertner, MD, Internal Medicine, Michael W. Kaufmann, MD, Psychiatry, Lehigh Valley Hospital and Health Network, Allentown, Pa

190) Abstract 1108

RELATIONSHIP BETWEEN COGNITIVE APPRAISALS, EMOTIONS, AND ABDOMINAL SYMPTOMS IN INDIVIDUALS WITH IRRITABLE BOWEL SYNDROME

Nagisa Sugaya, Graduate school of human sciences, Waseda University, Tokorozawa, Saitama, Japan, Shinobu Nomura, Faculty of Human Sciences, Waseda University, Tokorozawa, Saitama, Japan

191) Abstract 1561

VERY LOW CARBOHYDRATE DIET LEADS TO CLINICALLY AND STATISTICALLY SIGNIFICANT ABDOMINAL PAIN REDUCTION IN PATIENTS WITH DIARRHEA PREDOMINANT - IBS

Stephan R. Weinland, PhD, Department of Medicine, UNC Center for Functional GI & Motility Disorders, Chapel Hill, NC, Gregory Austin, MD, MPH, Gastroenterology and Hepatology, University of Colorado Health Sciences Center, Denver, CO, Carolyn B. Morris, MS, UNC Center for Functional GI & Motility Disorders, UNC Chapel Hill, Chapel Hill, NC, Duane Webb, MD, Gastroenterology & Hepatology, The Vancouver Clinic, Vancouver, WA, Eric C. Westman, MD, William Yancy, MD, General Internal Medicine, Duke University, Durham, NC, Christine B. Dalton, PAC, Department of Medicine, UNC Center for Functional GI & Motility Disorders, Chapel Hill, NC, Robin C. Spiller, MD, Wolfson

Digestive Diseases Centre, Nottingham University Hospital, Nottingham, England, United Kingdom, Jane M. Hankins, MA, Kim B. Meyer, BS, Douglas A. Drossman, MD, Department of Medicine, UNC Center for Functional GI & Motility Disorders, Chapel Hill, NC

192) Abstract 1672

THE HIV-POSITIVE INPATIENT: PSYCHOSOCIAL RISKS AND ADHERENCE IMPLICATIONS

Rebecca L. Wald, PhD, Stephen J. Synowski, PhD, Institute of Human Virology, University of Maryland School of Medicine, Baltimore, MD, Greta C. Flaherty, MFA, Medicine, Nova Southeastern University, Fort Lauderdale, Florida, Lydia R. Temoshok, PhD, Institute of Human Virology, University of Maryland School of Medicine, Baltimore, MD

193) Abstract 1189

MODERATING EFFECTS OF SOCIAL SUPPORT ON SEROSTATUS DISCLOSURE TO FAMILY MEMBERS AND STRESS AND DISTRESS IN HIV+ MINORITY WOMEN

Erin Fekete, PhD, Michael Antoni, PhD, University of Miami, Coral Gables, FL, Ron Duran, PhD, Alliant International University, Los Angeles, Alhambra, CA, Brenda Stoelb, PhD, University of Washington, Seattle, WA, Mahendra Kumar, PhD, University of Miami, Miami, Florida, Neil Schneiderman, PhD, University of Miami, Coral Gables, FL

194) Abstract 1105

EFFECTS OF DEPRESSIVE SYMPTOMS ON ADHERENCE TO ANTI-RETROVIRAL (ARV) AND PSYCHOTROPIC MEDICATION AMONG HIV-POSITIVE MEN AND WOMEN

Dean G. Cruess, PhD, Seth C. Kalichman, PhD, Psychology, University of Connecticut, Storrs, Connecticut

195) Abstract 1058

PREDICTING NON-ADHERENCE TO HIV MEDICATIONS: THE ROLE OF STRESSFUL LIFE EVENTS

Jane Leserman, PhD, Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, NC, Gail Ironson, MD, Psychology, University of Miami, Coral Gables, FL, Conall O'Cleirigh, PhD, Psychiatry, Harvard Medical School, Boston, MA, Joanne Fordiani, PhD, Psychology, University of Miami, Coral Gables, FL

196) Abstract 1652

DOES SELF ESTEEM ADD TO OR BUFFER THE EFFECTS OF LIFE EVENTS ON MOOD, BEHAVIORS, AND SYMPTOMS IN HIV?

Elizabeth Balbin, MA, Gail Ironson, MD, PhD, Neil Schneiderman, PhD, Psychology, Behavioral Medicine, University of Miami, Coral Gables, FL

197) Abstract 1642

DYSREGULATED IL-6 AND MIP-1 ALPHA PRODUCTION ARE ASSOCIATED WITH TYPE C (MALADAPTIVE) COPING IN HIV-INFECTED OUTPATIENTS

Lydia R. Temoshok, PhD, Rebecca L. Wald, PhD, Alfredo Garzino-Demo, PhD, Institute of Human Virology, University of Maryland School of Medicine, Baltimore, MD, James A. Wiley, PhD, Health Policy Institute, San Francisco State University, San Francisco, CA

198) Abstract 1764

PTSD SYMPTOM SEVERITY IS RELATED TO FUNCTIONAL HEALTH STATUS AND HEALTH CARE UTILIZATION IN HIV-INFECTED MEN WHO HAVE SEX WITH MEN.

Conall O'Cleirigh, PhD, Research/Psychiatry, Fenway Institute/MGH/Harvard Medical School, Boston, MA, Kenneth Mayer, MD, Medicine, Brown School of Medicine/Fenway Institute, Boston, MA, Charles Covahey, B.A., Chris Grasso, MPH, Rodney Vanderwarker, B.A., Research, Fenway Institute, Boston, MA, Steven Safren, PhD, Psychiatry, Fenway Institute/MGH/Harvard Medical School, Boston, MA

199) Abstract 1610

POSITIVE AFFECT AND DEPRESSIVE SYMPTOMS ARE ASSOCIATED WITH DIFFERENT ASPECTS OF THE DIURNAL CORTISOL RHYTHM IN HIV-POSITIVE PERSONS

Adam W. Carrico, PhD, Psychiatry, Judith T. Moskowitz, PhD, Medicine, Elissa Epel, PhD, Psychiatry, Patricia Moran, PhD, Medicine, Margaret E. Kemeny, PhD, Psychiatry, Susan Folkman, PhD, Frederick M. Hecht, MD, Medicine, University of California - San Francisco, San Francisco, CA

200) Abstract 1506

HIV-RELATED FATIGUE: THE ROLE OF TRAUMA, STRESSFUL LIFE EVENTS, AND DEPRESSION

Julie Barroso, PhD, School of Nursing, Brian W. Pence, PhD, Center for Health Policy, Naima Salahuddin, MSN, James L. Harmon, MSN, School of Nursing, Duke University, Durham, NC, Jane Leserman, PhD, Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, NC

201) Abstract 1551

SYSTOLIC BLOOD PRESSURE RECOVERY FOLLOWING MENTAL STRESS PREDICTS IMMUNE DYSREGULATION IN PERSONS WITH HIV

Stephen J. Synowski, PhD, Rebecca L. Wald, PhD, Alfredo Garzino-Demo, PhD, Lingling Sun, MD, Institute of Human Virology, University of Maryland School of Medicine, Baltimore, Maryland, Shari R. Waldstein, PhD, Psychology, University of Maryland Baltimore County, Baltimore, Maryland, Lydia R. Temoshok, PhD, Institute of Human Virology, University of Maryland School of Medicine, Baltimore, Maryland

202) Abstract 1541

LACK OF ASSOCIATION BETWEEN ANS MEASURES AND VIRAL LOAD, CD4+ T-CELL COUNT, AND AFFECT IN HIV INFECTION

Niama E. Jacobs, MD, Psychiatry, Harvard University, Cambridge, MA

203) Abstract 1147

THE COST OF AN ENGAGED LIFE: POSITIVE EMOTIONS AND ALLOSTATIC LOAD

Vicki M. Williams, BPsych, Psychology, Macquarie University, Sydney, NSW, Australia

204) Abstract 1719

INDIVIDUAL DIFFERENCES IN STRESS-RELATED PERSEVERATIVE COGNITION AND PRE-SLEEP AROUSAL

Paula G. Williams, PhD, Heather Gunn, M.S., Matthew Cribbet, B.S., Holly Rau, B.S., Psychology, University of Utah, Salt Lake City, UT

205) Abstract 1658

SOURCES OF STRESS AND DEPRESSIVE SYMPTOMS.

Piroska Balog, PhD, Gabor Szabo, Maria S. Kopp, PhD, Semmelweis University, Institute of Behavioral Sciences, Budapest, Hungary

206) Abstract 1129

DO HEALTHY PEOPLE WORRY? MODERN HEALTH WORRIES, SUBJECTIVE HEALTH COMPLAINTS, PERCEIVED HEALTH, AND HEALTH CARE UTILIZATION

Kelly B. Filipkowski, M.S., Joshua M. Smyth, PhD, Abraham M. Rutchick, PhD, Alecia M. Santuzzi, PhD, Psychology, Syracuse University, Syracuse, NY, Ad A. Kaptein, PhD, Medical Psychology, Leiden University, Leiden, The Netherlands, Keith J. Petrie, PhD, Medical and Health Services, The University of Auckland, Auckland, New Zealand, Meera Adya, PhD, Psychology, Syracuse University, Syracuse, NY

207) Abstract 1557

PSYCHOSOCIAL PREDICTORS OF DEATH IN THE AGING POPULATION OF HUNGARY: A FOUR YEARS FOLLOW-UP STUDY

Maria S. Kopp, MD, PhD, András Székely, MSc, Institute of Behavioral Sciences, Semmelweis University, Budapest, Hungary, Árpád Skrabski, PhD, Dept of Sociology, Apor Vilmos Catholic College, Budapest, Hungary

208) Abstract 1536

LOWER DECISION THRESHOLD FOR DOCTOR VISITS AS A PREDICTOR OF HEALTH CARE USE IN SOMATOFORM DISORDERS AND THE GENERAL POPULATION

Ricarda Mewes, Psychologist, Winfried Rief, Professor, Clinical Psychology, University of Marburg, Marburg, Germany, Heide Gläser, Doctor, Medical Psychology and Sociology, University of Leipzig, Leipzig, Germany, Alexandra Martin, Assistant Professor, Clinical Psychology, University of Marburg, Marburg, Germany, Elmar Brähler, Professor, Medical Psychology and Sociology, University of Leipzig, Leipzig, Germany

209) Abstract 1550

PSYCHOSOCIAL PREDICTORS OF HAPPY AGING IN HUNGARY: A FOUR-YEAR FOLLOW-UP STUDY

Árpád Skrabski, PhD, Dept of Sociology, Apor Vilmos Catholic College, Budapest, Hungary, Maria S. Kopp, MD, PhD, Institute of Behavioral Sciences, Semmelweis University, Budapest, Hungary

210) Abstract 1645

IDENTIFYING PREDICTORS OF HEALTH CARE UTILIZATION AND OTHER BEHAVIORS AMONG PATIENTS IDENTIFIED BY THEIR PRIMARY CARE PROVIDERS (PCPS) AS SUFFERING FROM MEDICALLY UNEXPLAINED PHYSICAL SYMPTOMS (MUPS)

Katharine M. Larsson, PhD (in nursing), Psychology and Nursing, Massachusetts School Professional Psychology, Boston, MA

211) Abstract 1292

A NEGATIVE ASSOCIATION BETWEEN SOCIOECONOMIC STATUS (SES) AND BLOOD CADMIUM (CD) IN CHILDREN: EXPLORING POTENTIAL RISKS FOR FUTURE ILL HEALTH USING PROTEOMICS
Brooks B. Gump, PhD, Psychology, Robert Birdsall, BS, Kestas Bendinskas, PhD, Chemistry, James A. MacKenzie, PhD, Biological Sciences, State University of New York at Oswego, Oswego, New York

212) Abstract 1593

SUBJECTIVE HEALTH COMPLAINTS IN MIDDLE-AGED POPULATION IN HUNGARY
Zoltan Cserhati, university, Adrienne Stauder, PhD, Maria S. Kopp, ScD, Institute of Behavioural Sciences, Semmelweis University Budapest, Budapest, Hungary

213) Abstract 1663

THE RELATION BETWEEN BODY MASS INDEX AND HEALTH RELATED QUALITY OF LIFE IN HEALTHY OLDER ADULTS
Megan M. Hosey, B.S., Shari R. Waldstein, PhD, Psychology, University of Maryland, Baltimore County, Baltimore, MD, Leslie I. Katzel, MD, Ph.D, Department of Medicine, University of Maryland, School of Medicine, Baltimore, MD

214) Abstract 1323

DOES EMOTIONAL INTELLIGENCE AFFECT SYMPTOM REPORTING?
Nirmala Janardhanam, BS, Susan K. Johnson, PhD, Anita L. Blanchard, PhD, Psychology, University of North Carolina - Charlotte, Charlotte, NC

215) Abstract 1615

ALCOHOL CONSUMPTION AND MENTAL WELL-BEING: A PROSPECTIVE POPULATION STUDY
John C. Barefoot, Ph.D, Psychiatry, Duke University Medical Center, Durham, NC, Laust H. Mortensen, MSc, Morten Grønbaek, Dr.Med.Sci., National Institute of Public Health, SDU, Copenhagen, Denmark

216) Abstract 1394

CORRELATES OF FATIGUE IN MIDDLE-OLDER AGED ADULTS
Benjamin P. Chapman, PhD, Psychiatry, X Zhao, PhD, X Tu, PhD, Biostatistics, University of Rochester Medical Center, Rochester, NY, P.R. Duberstein, PhD, Psychiatry, University of Rochester, Rochester, NY, J.A. Moynihan, PhD, Psychiatry, University of Rochester Medical Center, Rochester, NY

217) Abstract 1581

NEUROTICISM, DEPRESSION, AND INTERLEUKIN 6 IN OLDER HEMODIALYSIS AND PRIMARY CARE PATIENTS: A PRELIMINARY REPORT
Benjamin P. Chapman, PhD, Psychiatry, University of Rochester School of Medicine, Rochester, NY, Paul R. Duberstein, PhD, Jan Moynihan, PhD, Psychiatry, University of Rochester Medical Center, Rochester, NY

218) Abstract 1555

HOSTILITY AND GLUCOSE INDICES IN AFRICAN AMERICAN AND CAUCASIAN FEMALES: THE MEDIATING ROLE OF TRUNK FAT
Anastasia Georgiades, PhD, Richard S. Surwit, PhD, Redford B. Williams, MD, Psychiatry, Duke University School of Medicine, Durham, North Carolina

219) Abstract 1700

PHYSICAL INACTIVITY IN ADULTS WITH DIABETES MELLITUS AND DEPRESSIVE SYMPTOMS: RESULTS FROM TWO INDEPENDENT POPULATION-BASED SAMPLES
Galit Geulayov, MSc, Aviva Goral, MPH, Mental Health Epidemiology, Gertner Institute for Epidemiology, Tel-Hashomer, Israel, Noga Garty-Sandalon, RD, MSc, Khitam Muhsen, RN, MSc, Manfred Green, MD, PhD, Israel Center for Disease Control, Ministry of Health, Tel-Hashomer, Israel, Raz Gross, MD, MPH, Mental Health Epidemiology, Gertner Institute for Epidemiology, Tel-Hashomer, Israel

220) Abstract 1559

HOSTILITY IS RELATED TO DISTURBED GLUCOSE METABOLISM IN AFRICAN AMERICAN FEMALES
Richard S. Surwit, PhD, Anastasia Georgiades, PhD, James D. Lane, PhD, Mark N. Feinglos, MD, David Millington, MD, Haoyue Zhang, PhD, Rhonda Merwin, PhD, Psychiatry, Duke University School of Medicine, Durham, North Carolina, Raymond Boston, PhD, Biostatistics, University of Pennsylvania, Philadelphia, Pennsylvania

221) Abstract 1638

THE RELATIONSHIP BETWEEN DIABETES AND DEPRESSION AMONG THE ELDERLY

Sergio L. Blay, PhD, Psychiatry, Federal University of São Paulo, São Paulo, SP, Brazil, Valeska Marinho, PhD, Psychiatry, Federal University of Rio de Janeiro, Rio de Janeiro, RJ, Brazil, Sergio B. Andreoli, PhD, Fabio L. Gastal, PhD, Psychiatry, Federal University of São Paulo, São Paulo, SP, Brazil

222) Abstract 1060

HOSTILITY, RACE AND GENDER IN RELATION TO GLUCOSE METABOLISM IN HEALTHY INDIVIDUALS

Anastasia Georgiades, PhD, James D. Lane, PhD, Mark N. Feinglos, MD, Richard S. Surwit, PhD, Psychiatry, Duke University School of Medicine, Durham, North Carolina

223) Abstract 1590

ABSENCE OF RELATION OF DEPRESSIVE SYMPTOMS TO DIABETES DIAGNOSIS, AND GLYCATED HEMOGLOBIN IN THE HANDLS STUDY

Melissa C. Rice, MA, Gerontology, University of Maryland, Baltimore, Baltimore, Maryland, S. Carrington Rice, MA, Psychology, University of Maryland, Baltimore County, Baltimore, Maryland, Michele K. Evans, MD, Alan B. Zonderman, PhD, Intramural Research Program, National Institute on Aging, Baltimore, MD, Shari R. Waldstein, PhD, Psychology, University of Maryland, Baltimore County, Baltimore, MD

224) Abstract 1052

NORMATIVE VARIATION IN SELF-REPORTED SLEEP QUALITY AND SLEEP DEBT IS ASSOCIATED WITH STIMULATED PRO-INFLAMMATORY CYTOKINE PRODUCTION

Aric A. Prather, M.S., Anna L. Marsland, PhD, R.N., Psychology, University of Pittsburgh, Pittsburgh, PA, Serina A. Neumann, PhD, Psychiatry, Eastern Virginia Medical School, Norfolk, VA, Martica Hall, PhD, Psychiatry, Matthew F. Muldoon, MD, MPH, Clinical Pharmacology, University of Pittsburgh School of Medicine, Pittsburgh, PA, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

225) Abstract 1771

THE EFFECTS OF THE TIMING OF NAPPING ON PSYCHOLOGICAL AND PHYSICAL SYMPTOMS AND SLEEP QUALITY OF 16-HOUR NIGHTSHIFT NURSES

Naoko Aoyagi, PhD, early childhood education, Hamamatsu Gakuin University Junior College, Hamamatsu, Shizuoka, Japan

226) Abstract 1179

TRAIT PERSEVERATIVE COGNITION AND STRESSOR-RELATED INTRUSIVE THOUGHTS PREDICTS POORER SLEEP QUALITY

Peggy J. Mycek, M.A., Sally S. Dickerson, PhD, Natasha A. Emmerson, MA, Psychology and Social Behavior, University of California, Irvine, Irvine, CA

227) Abstract 1203

CAREGIVER-RELATED INSOMNIA: CONSEQUENCES TO HEALTH AND FUNCTIONING

Martica Hall, PhD, Psychiatry and Psychology, Lynn M. Martire, PhD, Psychiatry, Greg J. Siegle, PhD, Psychiatry and Psychology, Michele L. Okun, PhD, Richard Schulz, PhD, Charles F. Reynolds III, MD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA

228) Abstract 1209

HEART RATE VARIABILITY DURING SLEEP: THE SLEEPSCORE STUDY

Martica Hall, PhD, Psychiatry and Psychology, Karen A. Matthews, PhD, Psychiatry, Epidemiology and Psychology, Suresh Mulukutla, MD, Internal Medicine, Daniel J. Buysse, MD, Psychiatry, Patrick J. Strollo, MD, Sleep Medicine Center/Division of Pulmonary, Thomas W. Kamarck, PhD, Psychology and Psychiatry, Jane F. Owens, DrPH, Psychiatry, Steven Reis, MD, University of Pittsburgh School of Medicine, Pittsburgh, PA

229) Abstract 1447

COPING, CORTISOL, AND SLEEP IN HEALTHY YOUTH

Margaret D. Hanson, MA, Edith Chen, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

230) Abstract 1616

LET ME SLEEP ON IT: THE BENEFITS OF EXPRESSIVE WRITING ON REPORTED SLEEP QUALITY IN YOUNG WOMEN ADJUSTING TO COLLEGE

Danielle Arigo, M.S., Joshua M. Smyth, PhD, Psychology, Syracuse University, Syracuse, NY

231) Abstract 1696

EFFECTS OF MINDFULNESS MEDITATION TRAINING ON EATING BEHAVIOR AND BODY FAT DISTRIBUTION

Jennifer J. Daubenmier, PhD, Loren Yglecias, BA, Margaret Kuwata, BA, Nicole Maninger, PhD, Kinnari Jhaveri, BA, Daniel M. Purnell, BA, Frederick Hecht, MD, Margaret Kemeny, PhD, Elissa Epel, PhD, University of California, San Francisco, San Francisco, CA

232) Abstract 1355

ATTENTION AND THE SELF-CONTROL OF EATING

Traci Mann, PhD, Psychology, University of Minnesota, Minneapolis, MN, Janet Tomiyama, M.A., Psychology, UCLA, Los Angeles, CA, Ashley Moskovich, B.A., Psychology and Neuroscience, Duke University, Durham, NC, Andrew H. Ward, PhD, Psychology, Swarthmore College, Swarthmore, PA

233) Abstract 1438

DYING TO BE THIN: THE COSTS IN DAILY LIFE OF THE PURSUIT OF AN IDEALIZED FIGURE IN YOUNG WOMEN

Kristin E. Heron, MS, Joshua M. Smyth, PhD, Psychology, Syracuse University, Syracuse, NY

6:30 pm - 9:30 pm

APS Council Meeting
By invitation only

Laurel A/B

Saturday, March 15

8:00 am - 4:00 pm **REGISTRATION** *Harborside Foyer*

8:00 am - 5:00 pm **STUDENT LOUNGE** *Heron Room*

8:00 - 9:00 am **ROUNDTABLE BREAKFASTS**

BR3: Mixed Models and Latent Growth Curve Models: A Comparison of Approaches for Analyzing Longitudinal Data *Laurel A*

Faculty: Joseph Schwartz, PhD and Maria M. Llabre, PhD

Researchers working with longitudinal data have several analytic approaches available to examine their data. When the focus of the study is the examination of change over time, multilevel or mixed model (MLM), and latent growth curve models (LGM) provide flexible approaches that are preferable to the traditional repeated measures ANOVA approach. Under certain conditions both approaches will yield identical or similar estimates of the change parameters of interest. But each approach may also be considered optimal for handling specific design features. This breakfast roundtable will introduce participants to both approaches, initially considering a two group, multiple time design, as might result from a clinical trial. Simulated data will be analyzed using PROC MIXED in SAS (illustrating the MLM approach) and in Mplus (illustrating the LGM approach). This initial design will serve to describe the conditions under which the two approaches are comparable. Additional designs will then be considered to highlight the advantages of the MLM approach when the timing of observations varies across participants, there are many observations per participant, or time-varying covariates are included. The advantages of the LGM approach will be illustrated by considering mediation models and more complex multivariable models, including models where change is used to predict a distal outcome.

BR 5: How Should Psychosomatic Illnesses be Represented in DSM-V? *Kent A*

Faculty: Francis Creed, MD

Attendees will discuss their opinions of how psychosomatic disorders are currently described in DSM-IV and how they should be described in DSM-V. This roundtable will be moderated by Francis Creed, member of the DSM-V Somatic Distress Workgroup for the DSM V Committee.

BR 6: Placebo Effects *Laurel C*

Faculty: Robert Ader, PhD and Tor Wager, PhD

The discussion will begin with a description of the interests and current research of participants, which is likely to develop into a discussion of different models of placebo phenomena and their generation of testable hypotheses. Questions posed to stimulate further discussion (if necessary) would include, for example: Are all placebo responses created equal? Are the placebo phenomena observed in acute experimental studies with healthy subjects the same as those observed in chronic clinical situations with medical patients? Are placebo responses nonspecific? Are there “placebo responders?” How do placebos help define the “real” effect of drugs? What do meta-analyses tell us about placebo effects?

8:00 - 9:00 am **SPECIAL MEETING** *Laurel D*
2009 Program Committee Meeting
By invitation only

9:00 - 10:00 am **Business Meeting** *Harborside A-C*
Presiding: William R. Lovallo, PhD
 The APS Business Meeting is open to all members. Come hear brief updates from the APS leadership regarding the previous year’s activities, and plans for the current year. Members will vote on the 2008 slate of APS leaders in this meeting. This is a great opportunity to become involved in the activities of the Society, and learn more about what APS has to offer you.

10:00 - 10:45 am **Alvin P. Shapiro Award Lecture** *Harborside A-C*
The Harm that Doctors do: Hypertension as a Psychosomatic Disease
Chair: Karina Davidson, PhD
Presenter: Thomas Pickering, MD
 The measurement of blood pressure (BP) by a physician is generally thought of as a harmless procedure, but Alvin Shapiro was one of the first to show that this is not necessarily so. Using data obtained by out-of-office BP monitoring, it will be argued that traditional BP measurement may misclassify the BP status of as many as 36 million Americans, which includes 12 million with white coat hypertension (high clinic BP and normal daytime BP) for whom the prognosis is relatively benign and drug treatment may be

inappropriate, and 24 million with masked hypertension (normal clinic BP and high daytime BP), for whom drug treatment is not prescribed, but is presumably beneficial because of an increased risk of cardiovascular disease. The increased BP in the medical setting may be a conditioned response rather than a manifestation of generalized anxiety, and may be the result of labeling the patient as hypertensive. Masked hypertension, where clinic BP is lower than daytime BP, may thus represent the “true” natural history of hypertension in the absence of exposure to adverse medical settings.

10:45 - 11:00 am

BREAK

11:00 am - 12:30 pm

PARALLEL SYMPOSIA

Invited Symposium: Recent Advances in Posttraumatic Stress Disorder (PTSD) Research

Harborside C

Co-Chairs: Doug Delahanty, PhD and Marzio Sabbioni, MD; Presenters: Roger K. Pitman, MD; Joseph A. Boscarino, PhD, MPH; Do-Un Jeong, MD; Robert J. Ursano, MD

Posttraumatic stress disorder (PTSD) is a serious public health problem in the general population that is estimated to affect more than ten million American children or adults at some point in their lives. Trauma exposure and PTSD have been linked to increased health care utilization, increased disease risk, and premature death. In line with the liaison theme of this year’s meeting, this invited symposium will include noted experts in the area of PTSD presenting cross-disciplinary, state-of-the-science findings of interest. Together the speakers will highlight our current state of knowledge regarding risk and resilience for, and the physical and neuroanatomical consequences of, PTSD. At the conclusion of this symposium, audience members will: Gain an understanding of the complex associations between risk factors for PTSD; Understand potential mechanisms through which PTSD can lead to increased disease risk and altered neuroanatomical functioning; Understand how current literature can aid in the development of better intervention and treatment strategies.

*** Twin Study of Biological Abnormalities in PTSD**

Roger K. Pitman, MD

A biological abnormality found to be associated with post-traumatic stress disorder (PTSD) may be, among other things, a pre-trauma vulnerability factor, i.e., it may have been present prior to the event’s occurrence and increased the individual’s likelihood of developing PTSD upon traumatic exposure. Alternately, it may be an acquired PTSD sign, i.e., it may have developed after the traumatic exposure, along with the PTSD. We have studied pairs of Vietnam combat veterans and their non-combat-exposed, identical twins in an effort to resolve these competing origin and found that the pathophysiology of PTSD comprises a combination of pre-existing risk factors and abnormalities acquired as a result of the traumatic event.

*** Health Outcomes following Posttraumatic Stress Disorder: Current Findings and Future Directions**

Joseph A. Boscarino, PhD, MPH

Studies suggest that posttraumatic stress disorder (PTSD) victims not only have higher rates of mental health disorders, but also higher rates of chronic diseases following the onset of PTSD, including increased rates of cardiovascular, neoplastic, metabolic, respiratory, and autoimmune diseases. Studies of immunoneuroendocrinology suggest that PTSD victims have altered biologic systems, compared with similarly exposed PTSD-negative persons, including higher T-cell counts, higher erythrocyte sedimentation rates, greater reactive immune responses on delayed hypersensitivity tests, higher immunoglobulin M levels, as well as lower cortisol and dehydroepiandrosterone (DHEA) levels. In addition, long-term follow-up studies of PTSD victims suggest that they have an increased risk of cancer, cardiovascular disease, and external-cause mortality. The present talk will examine biological and behavioral disease mechanisms drawing on findings from more comprehensive longitudinal studies.

*** Neuroanatomical Consequences of Posttraumatic Stress Disorder: Focused on Structural Changes in the Amygdala and Hippocampus**

Do-Un Jeong, MD

Animal studies have suggested the interconnected roles of hippocampus, amygdala and medial prefrontal cortex in the fear acquisition and extinction, which is closely related to the pathophysiology of posttraumatic stress disorder (PTSD). Functional abnormalities in these regions have consistently been reported in the PTSD patients, however, on the structural side, there have been only a few structural brain imaging studies examining the amygdala. Using a subregional shape analysis technique that we developed, we examined hippocampal and amygdala volumes in 25 subway fire victims who developed PTSD and 25 age- and sex-matched healthy comparison subjects. There was a significant but small difference in the total volume of amygdala between groups, while the difference in the hippocampal volumes between groups was notable. On subregional shape analysis, significantly larger central nuclei and smaller basal nuclei were noted in the PTSD patients when compared to healthy comparison subjects. Results will be discussed as supporting the hypothesis that PTSD might be a pathologic state in which the equilibrium between fear acquisition and fear extinction is disrupted.

*** PTSD and Trauma Responses: Individuals and Communities, Neuroscience and Social Epidemiology**

Robert J. Ursano, MD

Psychiatric responses to traumatic events, from the individual to the population level, include well-known psychiatric disorders, health risk behaviors and distress as well as resilience. The trajectories of recovery and of impairment are not well known. Understanding the mechanisms of brain and interpersonal reactions, risk and protective factors, can aid us in better intervening before and after traumatic events to prevent as well as treat PTSD and other aspects of trauma related psychological and health morbidity.

Invited Symposium: Psychosomatic Research and Practice in Developing Countries

Harborside D

Chair: Mustafa al 'Absi, PhD; Discussant: Redford Williams, MD; Presenters: Hassen Ghannem, MD, MSc; Omer El-Rufaie, MBBS, DPM, FRCPsych and Abdel-Sattar Ibrahim, PhD

Psychosomatic disorders are among the most common clinical presentations in primary care in developing countries leading to a significant burden for patients and the healthcare system in these countries. This burden is likely to intensify in light of the expected epidemic of noncommunicable diseases along with an ongoing challenges related to the prevalence of infectious diseases. The field of psychosomatic medicine can play an important role addressing these new health challenges. Multiple psychosocial adversities contribute uniquely to psychosomatic disorders in developing countries. This symposium will provide examples of research related to these factors and present ongoing efforts to adapt interventions to address them. Examples of psychosomatic and behavioral research from three countries will be presented.

*** Chronic & Psychosomatic Diseases From Developing World Perspective**

Hassen Ghannem, MD, MSc

The urbanization and stress of life and work conditions are expected to raise the level of chronic disease's behavioural risk factors as a result of the adoption of new dietary habits, lack of physical activity in urban area. According to the World Health Organization, 35 Million people died in 2005 from chronic diseases mainly from cardiovascular disease, stroke, cancer and diabetes mellitus. The burden of mental health and psychosomatic diseases is also growing very rapidly in developing countries as a result of poor adaptation to the new micro and macro environments at the family and community levels. The worldwide epidemic of chronic diseases resulted in over 60% of all deaths, at least half of which were considered premature deaths. Only 20% of these deaths have occurred in high income countries while 80% occurred in low and middle income countries.

The developing world is currently facing the epidemiological transition phenomenon that leads to the extension of chronic diseases. Behavioural risk factors related to lifestyles like tobacco use, unhealthy diet, and physical inactivity are common and theoretically highly preventable. They play a dominant and often synergistic role along with social determinants like the socio economic class and professional skills in the development of these chronic & psychosomatic diseases. Psychosocial determinants like stress of work conditions and social stress are poorly documented in developing countries as leading risk factors to the extension of psychosomatic diseases.

The problem is more serious for these countries because many have not yet conquered communicable diseases, and their health systems are ill prepared to provide the costly care required for such chronic diseases. Despite the new interest and emphasis on Public Health and Prevention, it appears that the challenge of these new diseases control in developing countries remains complete.

The environment and economic pressures in developing world may result in social stress, in isolation by rupture in the family links, in poor diet choices and limited physical activities which constitute the unhealthy behaviours that lead to chronic & psychosomatic diseases extension. Fortunately, many of these diseases are amenable to successful intervention as it was clearly demonstrated in developed countries. Integrated actions against selected risk factors implemented within the social and familial context can lead to the reduction of these chronic diseases. The concept of integrated prevention of chronic diseases as an essential component of existing health systems and a focus on health promotion at a general level could be the way that most low and middle income countries should follow for a clear cut of the forthcoming epidemics of chronic and psychosomatic diseases. An overview of these issues will be presented.

*** Somatisation and Somatised Mental Disorder**

Omer El-Rufaie, MBBS, DPM, FRCPsych

Purpose of study: Aims were to estimate the prevalence of somatised mental disorder (SMD) in comparison with psychologised mental disorder (PMD) among a sample of primary health care (PHC) United Arab Emirates (UAE) nationals, and to investigate the clinical and sociodemographic characteristics of SMD patients.

Subject sample and statement of methods: The sample consisted of UAE nationals, aged 16 to 65,

presenting with symptoms that had begun during the previous 12 months. The preliminary screening for psychiatric caseness was done by two general practitioners using the GHQ-12. A consultant psychiatrist interviewed all identified probable, using the CIS, to determine psychiatric diagnoses and to categorize cases to SMD or PMD. Summary of Results: Probable cases interviewed were 214, out of 644 subjects screened. Psychiatric cases diagnosed by the psychiatrist using the CIS were 166 i.e. prevalence rate of 25.7%. SMD was identified in 12% out of the total screened subjects, and 48% out of the total identified cases. PMD rates of prevalence were 10.7% and 42% respectively.

The commonest three symptoms among SMD patients were headache (45%), backache (35%) and abdominal pain (20%). SMD symptoms were commonly multiple, persistent, running a chronic course and moderate in severity. Educational level was significantly less among SMD patients.

Psychiatric diagnoses among the SMD patients, included mixed anxiety and depressive disorder, generalised anxiety disorder, mood disorder and adjustment disorder (ICD 10 criteria).

*** Psychological Approach For Dealing With Stress and Stress Associated Psychophysiological Difficulties: A Psychotherapeutic Multi-Modal Arabian Perspective**

Abdel-Sattar Ibrahim, PhD

Psychosomatic disorders (PD) can generally be seen as a pathological expression of biopsychosocioecological factors, i.e., biological, psychological and socio-ecological parameters of human health and illness. Practicing psychologists in Arabian cultures, along with their colleagues in psychiatry and social work are, therefore, in a unique position to unite to achieve holistic management of individuals who are suffering from PD and related stress difficulties. By focusing on personal practice experiences and research developed by the current author, this article aims to assist psychological health practitioners to become aware of the role of the psychological health practitioner in dealing, directly or indirectly, with stress and stress related problems underlying PD. The writer has practiced professional psychology for over three decades both in Michigan, USA and in a number of Arabian countries. One of his work activities, in addition to university teaching, research, writing, was in psychotherapy. This presentation reviews my major research findings in dealing with patterns of PD and stress associated difficulties in Arab patients. Needless to say, psychological health practices in Arab countries consist, as in any Western culture, of assessment and intervention. For both assessment and intervention processes my model of choice relied heavily on a multi-modal, culturally adapted, cognitive therapy approach. More specifically, the main points of this article can be outlined as follows: (1) A review of major patterns of PD and related stress difficulties among Arab patients are reviewed (2) Assessment techniques developed for practice with psychosomatic symptomatic patterns are explained with emphasis on assessment tools developed and standardized for practice in Arabia are explained. (3) The importance of integrating cognitive therapy and positive psychology principles with medical approaches of treatment are discussed and (4) The need to incorporate cultural values into the treatment process will be identified.

Invited Symposium: Health Consequences of Emotion Regulation in Breast Cancer Patients: Phenomenology, Physiology and Malleability

Harborside E

Chair: Karen Weihs, MD; Presenters: Annette Stanton, PhD; Janine Giese-Davis, PhD; Mike Antoni, PhD

There are now over 10 million Americans living with a previous diagnosis of cancer. Recent research suggests that individual differences in processing emotional distress are related to physiological homeostasis and restoration of psychosocial functioning in cancer survivors, and that these may have long term consequences for disease outcome. This plenary symposium brings together for the first time, leading psycho-oncology researchers whose research focuses on emotion regulation. They will present evidence on the emotion regulation mechanisms through which changes in stress physiology and psychological adjustment occur in both naturalistic and intervention studies. At the conclusion of this symposium audience members will: Understand how processing of emotions in cancer patients relates to physiologic and psychological outcomes; Be able apply up-to-date information on emotion processing in cancer patients to the practice of psycho-oncology; Read the literature on emotion processing and illness outcomes with a more complex understanding of mechanisms and malleability of emotion processing through interventions.

*** Emotion regulation, neuroendocrine function, and well-being in women living with metastatic cancer**

Annette L. Stanton, PhD

Aim: A primary aim of this study was to test main and moderated effects of dispositional and situational emotion regulation parameters on neuroendocrine function and psychological adjustment in women diagnosed with metastatic breast cancer.

Method: Recruited from oncology clinics, women (n = 104) diagnosed with breast cancer that had metastasized to bone, lung, liver, or brain completed measures of dispositional (e.g., ambivalence over emotional expressivity, neuroticism) and situational (i.e., cancer-specific emotional processing and

expression) emotion regulation constructs at study entry and three months later. Dependent variables included diurnal cortisol and indicators of psychological adjustment (e.g., depressive symptoms).

Results: Coping through emotional processing and expression (i.e., emotional approach) regarding the cancer experience interacted with dispositional emotional regulation constructs to predict changes in well-being and neuroendocrine function.

Conclusion: Processing and expressing emotions regarding the experience of metastatic cancer appear to carry distinct adaptive consequences as a function of stable emotion regulation attributes.

*** Expressing Affect during Supportive Expressive Group Therapy Sessions Reduces Trauma Symptoms in Metastatic Breast Cancer Patients**

Janine Giese-Davis, PhD

Emotional expression has been proposed as one of the primary therapeutic ingredients in the efficacy of supportive-expressive group therapy (SET) and other emotion-focused and exposure therapies with goals to reduce depression and trauma symptoms. We used frame-by-frame observational methods to examine the role of specific emotional expressions over 1 year in reducing depression and trauma symptoms. Women with metastatic breast cancer's speaking time in 16 group SET sessions over 1 year were coded from videotape using Specific Affect Coding for Breast Cancer ($N = 37$). Change in expression was used to predict change in depression and trauma symptoms. Trauma symptom decline was significantly predicted by an increase in the mean duration of a moment of primary negative affect (fear, direct anger, sadness) and also by a decrease in constrained anger. Emotional expression did not predict change in depression symptoms. Ability to tolerate distress expression may be crucial to trauma-symptom recovery.

*** How Stress Management Affects Psychosocial and Physiological Adaptation in Women Being Treated for Breast Cancer: Emotional Processing and Perceived Stress Management Skills**

Mike Antoni, PhD

AIMS: This study tested the effects and mediators of a 10-week Cognitive Behavioral Stress Management (CBSM) intervention on indicators of psychosocial and physiological adaptation in women undergoing treatment for early-stage breast cancer.

METHODS: Approximately 4 - 8 weeks after surgery just before beginning adjuvant therapy for Stage I - III breast cancer, 199 women were randomized to either a 10-wk group-based CBSM intervention providing training in relaxation techniques, coping skills, and interpersonal skills, or a 1-day psycho-educational (PE) group seminar delivered at the mid-point of the 10-wk intervention period. We administered questionnaires measuring indicators of adaptation, emotional processing and CBSM skill perceptions, and collected blood samples before the intervention period and at 3-mo and 9-mo post-intervention follow-ups. We tested the effects and mediators of the intervention using Latent Growth Modeling analysis.

RESULTS: Women assigned to CBSM revealed improvements in psychosocial adaptation (e.g., decreases in negative affect and anxiety, and increases in positive affect, benefit finding and interpersonal functioning) and maintained these changes at follow-up as compared to no such changes in women assigned to the one-day PE condition. Women assigned to CBSM also showed improvements in physiological adaptation reflected in reductions in PM serum cortisol levels over time vs no change in the PE condition. The intervention also increased participants' reports of emotional processing (Emotion Approach Coping scale scores) and confidence in using relaxation skills and these changes mediated the effects of CBSM on the trajectory of changes in indicators of psychosocial adaptation but not cortisol changes. CONCLUSIONS: Improving stress management skills and increasing emotional processing during CBSM may improve psychosocial adaptation but mediators of changes in physiological adaptation remain inconclusive.

12:30 - 1:45 pm

ROUNDTABLE LUNCHESES (OR LUNCH ON YOUR OWN)

LR 7: Recent Advances in Posttraumatic Stress Disorder (PTSD) Research

Laurel A

Faculty: Joseph Boscarino, PhD, MPH, Do-Un Jeong, MD, PhD, Roger Pitman, MD; Robert Ursano, MD; Douglas Delahanty, PhD, and Marzio Sabbioni, MD

This roundtable luncheon will provide a forum for follow-up discussion to the symposium: Recent advances in posttraumatic stress disorder (PTSD) research. Symposium presenters will take part in the roundtable and will be available for questions and discussions based on their presentation. Emphasis will be placed on the aspects of neuroscience, genetics, development and treatment of PTSD. The goal is to facilitate a cross-disciplinary discussion of the research, clinical, liaison, and public health issues involved in PTSD.

**LR 8: Health Consequences of Emotion Regulation
in Breast Cancer Patients: Phenomenology, Physiology
and Malleability**

Laurel B

Faculty: Annette Stanton, PhD; Janine Giese-Davis, PhD; Mike Antoni, PhD; and Karen Weihs, MD

The presenters will elaborate on the research presented at the symposium immediately preceding the roundtable. Participants are welcome to bring questions and results from their own research on emotions and breast cancer for discussion

**LR 9: Psychosomatic Research and Practice in Developing
Countries**

Laurel C

Faculty: Omer El-Rufaie, PhD; Hassen Ghannem, MD, MSc; Abdel-Sattar Ibrahim, PhD and Mustafa al'Absi, PhD

This roundtable discussion will focus on psychosomatic disorders in developing countries. The discussion will also include observations on the increased challenge of noncommunicable, chronic diseases along with the ongoing challenges related to the prevalence of infectious diseases. Multiple psychosocial adversities contribute uniquely to psychosomatic disorders in developing countries. The role psychosomatic medicine can play in the diagnosis and treatment of these problems and examples of psychosomatic research conducted in developing countries will be discussed.

1:45 - 3:15 pm

CONCURRENT SESSIONS

Invited Symposium: New Research in Health Disparities

Harborside C

Chair: Julian Thayer, PhD; Presenters: Camara Jules P. Harrell, PhD; Hector F. Myers, PhD and Michele K. Evans, MD

This symposium features three speakers that offer innovative approaches to the examination of health disparities. Dr. Camara Jules Harrell of Howard University discusses his groundbreaking research on individual and cultural racism using psychophysiological methods. For example, he finds that reports of racism are inversely related to overall perceptions of health. In addition, he shows that embracing mainstream cultural values was associated with both increased hostility and increased systolic blood pressure. Drs. Hector F. Myers of UCLA and Linda C. Gallo of SDSU present an integrative conceptual model of ethnicity-related stresses. This model highlights the unique role that ethnicity-related and SES-related processes are likely to play in the persistent ethnic health disparities. Dr. Michele K. Evans of the National Institute on Aging will discuss the Healthy Aging in Neighborhoods of Diversity across the Lifespan study (HANDLS). This urban study of health, race, and socioeconomic status uses mobile research laboratories to go into the neighborhoods to collect biomedical, psychosocial, cognitive, and environmental data. Moreover this longitudinal study will follow the participants and thus will provide sorely needed prospective data on the emergence of health disparities. Dr. Julian F. Thayer of the Ohio State University will serve as chair and discussant. Taken together these speakers represent the cutting edge of research on health disparities. Attendees will learn much about this important topic and its relevance to psychosomatic medicine.

*** Psychophysiological Studies of Individual and Cultural Racism**

Camara Jules P. Harrell, PhD

Health disparities between ethnic groups in the United States stem from complex interactions among biological, psychological, and social forces. Racism is numbered among the possible causes of negative health outcomes in African American communities. Racism blocks access to beneficial social and economic outcomes (individual and institutional racism) and alters or disrupts the targeted group's participation in potentially salutary cultural activities and practices (cultural racism). We have studied the impact of individual racism on health perceptions and physiological outcomes, using both self-reports of life experiences and laboratory manipulations. In our studies of cultural racism, the Mainstream Orientation Questionnaire (MOQ) has been employed to measure the attitudes of our participants toward Euro-American cultural values. Reports of racism experienced over the past year by a community sample of 200 African American adults were inversely related to overall perceptions of health. Though perceived stress also predicted health perceptions, it did not mediate the relationship between health perceptions and perceived racism. We recently conducted a laboratory study where 120 African American college students viewed a filmed racist encounter as cardiac measures and self-reports of emotional reactions were obtained. We found in response to the film, those reporting higher levels of disgust evidenced larger decreases in cardiac pre-ejection period, while individuals higher in neuroticism (as measured by the NEO-PI) showed larger heart rate increases. Data from both college and community samples have shown that embracing of the mainstream cultural values (higher MOQ scores), is associated with both increased hostility and higher systolic blood pressure levels. Factor analytic studies revealed that materialism is a prominent component of the cultural values measured by the MOQ, though factors related to the Protestant work ethic and individualism contribute to the relationship between MOQ scores and health-related outcomes. Our findings encourage studies of individual and cultural forms of racism as determinants of the nation's ethnic health disparities.

*** Ethnicity-Related Stresses in Context: An Integrative Conceptual Model**

Hector F. Myers, PhD and Linda C. Gallo, PhD

While there is increasing interest in the role of exposure to ethnicity-related stressors (e.g. racism, discrimination, SES) in accounting for health disparities, there continues to be debate about how best to conceptualize and measure these effects over time. This lack of conceptual and methodological consensus is a major obstacle in the development of this area of research. Perhaps the most important obstacle facing the field is the absence of a comprehensive life-span conceptual model that places exposure to ethnicity-related stressors in the context of other major life stressors and their hypothesized interactions, and as potentially impacting health both directly and indirectly. In this presentation, we will first review the issues related to the measurement of ethnicity-related stressors, then offer a lifespan meta-model that considers the interaction of ethnicity and SES history as impacting exposure to life stresses, including ethnicity-related stresses and other unhealthy environmental contributors (Taylor, Repetti & Seeman, 1997) and a host of biopsychosocial mechanisms including pre-existing biological vulnerabilities, reserve capacity and cognitive processing and emotional regulation (Gallo & Mathews, 2003), health behaviors, allostatic load (McEwen & Stellar, 1993), all of which interact to result in hypothesized cumulative biopsychosocial vulnerabilities (Myers, Lewis & Parker-Dominguez, 2004), which in turn, contribute to health status over time. The ultimate goal of this presentation will be to provide some suggestions for future research on the unique role that ethnicity-related and SES-related processes are likely to play as contributors to the persistent ethnic health disparities.

*** Healthy Aging in Neighborhoods of Diversity across the Life Span (HANDLS): A Longitudinal, Epidemiologic Urban Study of Health, Race and Socioeconomic Status**

Michele K. Evans, MD

Healthy Aging in Neighborhoods of Diversity across the Life Span study (HANDLS) is a multidisciplinary, community-based, prospective longitudinal epidemiologic study examining the influences of race and socioeconomic status (SES) on the development of age-related health disparities among socioeconomically diverse African Americans and whites in Baltimore. This study investigates whether health disparities develop or persist due to differences in SES, differences in race, or their interaction. This study is unique because it will assess over a 20-year period physical parameters as well as evaluate genetic, biologic, demographic, psychosocial, and psychophysiological parameters of African American and white participants in higher and lower SES. It also employs novel research tools, mobile medical research vehicles, in hopes of improving participation rates and retention among non-traditional research participants. The domains of the HANDLS study include: nutrition, cognition, biologic biomarkers, body composition and bone quality, psychophysiology, physical function and performance, sociodemographics, psychosocial, neighborhood environment and cardiovascular disease. Utilizing data from these study domains will facilitate understand the driving factors behind persistent black-white health disparities in overall longevity, cardiovascular disease, and cognitive decline.

Paper Session: The Role of Psychological Factors in CVD

Harborside D

Chair: Susanne S. Pedersen, PhD

Abstract 1522

A PROSPECTIVE STUDY OF PTSD AND CARDIOVASCULAR MORTALITY AMONG US VETERANS

Joseph A. Boscarino, PhD, Center for Health Research, Geisinger Clinic, Danville, PA

Abstract 1486

OVERCOMING THE INNER BARRIER: IMPACT OF FEAR OF DYING ON PREHOSPITAL DELAY IN MALE AND FEMALE ACUTE ST ELEVATION INFARCTION PATIENTS RESULTS FROM THE AUGSBURG MYOCARDIAL INFARCTION REGISTRY (AMIR)

Karl-Heinz Ladwig, Professor, Institute of Epidemiology, German Research Center for Environmental Health, Neuherberg, Bavaria, Germany, Bernhard Kuch, Assistant Professor, Internal Medicine I, Klinikum Augsburg, Augsburg, Bavaria, Germany, Heiko Hymer, Master, German Research Center for Environmental Health, Institute of Epidemiology, Neuherberg, Bavaria, Germany, Jens Baumert, PhD, Institute of Epidemiology, German Research Center for Environmental Health, Neuherberg, Bavaria, Germany, Margit Heier, MD, KORA, KORA Study Center Augsburg, Augsburg, Bavaria, Germany, Allmut Hoermann, Master, Institute of Health Economics, German Research Center for Environmental Health, Neuherberg, Bavaria, Germany, Wolfgang von Scheidt, Professor, Internal Medicine I, Klinikum Augsburg, Augsburg, Bavaria, Germany, Christa Meisinger, Assistant Professor, MONICA/KORA Myocardial Infarction Registry, Hospital of Augsburg, Augsburg, Bavaria, Germany

Abstract 1509

RECOVERY EXPECTATIONS OF CARDIAC PATIENTS AS PREDICTORS OF SURVIVAL

John C. Barefoot, Ph.D, Beverly H. Brummett, Ph.D, Psychiatry, Nancy Clapp-Channing, RN, Cardiology, Redford B. Williams, MD, Ilene C. Siegler, Ph.D, Psychiatry, Daniel B. Mark, MD, Cardiology, Duke University Medical Center, Durham, NC

Abstract 1226

HAPPINESS AND STRESS INFLUENCE SUSCEPTIBILITY TO CARDIAC EVENTS IN PATIENTS WITH LONG QT SYNDROME

Richard D. Lane, MD, PhD, Psychiatry, University of Arizona, Tucson, AZ, Harry T. Reis, PhD, Psychology, Derick R. Peterson, PhD, Biostatistics and Computational Biology, Wojciech Zareba, MD, PhD, Arthur J. Moss, MD, Medicine, University of Rochester, Rochester, NY

Abstract 1727

CYNICISM AND HOSTILITY ARE ASSOCIATED WITH REDUCED CELL MEDIATED IMMUNE FUNCTION AND CIRCULATING CELLULAR ADHESION MOLECULES BUT NOT INFLAMMATORY CYTOKINES IN HEART FAILURE AND HEALTHY INDIVIDUALS

Laura S. Redwine, PhD, Medicine, VMRF and University of California, San Diego, CA, Steve Carter, B.S., Medicine, Sarah Linke, B.S., Suzi Hong, PhD, Douglas DeJardin, B.S., Thomas Rutledge, PhD, Psychiatry, University of California, San Diego, CA, Barry Greenberg, MD, Medicine, Paul J. Mills, PhD, Psychiatry, University of California, San Diego, CA

Abstract 1648

SUCCESSFUL HOSTILITY REDUCTION TREATMENT DOES NOT ALTER CARDIAC AUTONOMIC CONTROL

Richard P. Sloan, PhD, Psychiatry, Columbia University Medical Center, New York, NY, Peter A. Shapiro, MD, Psychiatry, Columbia University, New York, NY, Ethan E. Gorenstein, PhD, Felice A. Tager, PhD, Psychiatry, J. Thomas Bigger, MD, Medicine, Emilia Bagiella, PhD, Biostatistics, Columbia University Medical Center, New York, NY, Paula S. McKinley, PhD, Psychiatry, Columbia University, New York, NY, Michael M. Myers, PhD, Psychiatry, Columbia University Medical Center, New York, New York, 10032

Paper Session: Depression, Exhaustion & Inflammation

Harborside E

Chair: Suzi Hong, PhD

Abstract 1233

PERCEIVED STRESS, ANXIETY, DEPRESSION, AND ANGER RELATE TO GREATER INFLAMMATION IN HIV+ ADULTS TREATED WITH COMBINATION DRUG THERAPY

Jeffrey Greeson, PhD, Duke Integrative Medicine, Duke University Medical Center, Durham, NC, Maria Llabre, PhD, Barry Hurwitz, PhD, Behavioral Medicine Research Center, University of Miami, Miami, FL

Abstract 1376

IS INFLAMMATION AN ANTECEDENT OR A CONSEQUENCE OF DEPRESSIVE SYMPTOMS?: STUDY OF WOMEN'S HEALTH ACROSS THE NATION

Karen A. Matthews, PhD, Psychology and Psychiatry, Laura L. Schott, PhD, Public Health, Joyce Bromberger, PhD, Epidemiology, Jill M. Cyranowski, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Susan Everson-Rose, PhD, Medicine, University of Minnesota, Minneapolis, MN, MaryFran Sowers, PhD, Epidemiology, University of Michigan, Ann Arbor, MN

Abstract 1362

ASSOCIATION BETWEEN DEPRESSION AND INFLAMMATION IN A LARGE SAMPLE OF KIDNEY TRANSPLANTED PATIENTS

Lilla Szeifert, MD, Maria E. Czira, MD, Anett Lindner, MD, Nora Pinter, Andrea Kelemen, Institute of Behavioral Sciences, Semmelweis University, Budapest, Hungary, Dora M. Zalai, MD, Sidney H. Kennedy, Professor, Department of Psychiatry, University Health Network, University of Toronto, Toronto, Ontario, Canada, Istvan Mucsi, MD, PhD, Marta Novak, MD, PhD, Miklos Z. Molnar, MD, PhD, Institute of Behavioral Sciences, Semmelweis University, Budapest, Hungary

Abstract 1500

A PROSPECTIVE EVALUATION OF THE DEPRESSION-INFLAMMATION RELATIONSHIP: IS DEPRESSION A CAUSE OR A CONSEQUENCE?

Jesse C. Stewart, PhD, Kevin L. Rand, PhD, Psychology, Indiana University-Purdue University Indianapolis, Indianapolis, IN, Matthew F. Muldoon, MD, Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA, Thomas W. Kamarck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

Abstract 1361

THE ASSOCIATION BETWEEN FATIGUE, VITAL EXHAUSTION AND INFLAMMATORY MARKERS IN CHRONIC HEART FAILURE

Otto R. Smith, MSc, Susanne S. Pedersen, PhD, Johan Denollet, PhD, Medical Psychology, Tilburg University, Tilburg, Noord Brabant, the Netherlands

Abstract 1626

THE PSYCHONEUROIMMUNOLOGY OF FATIGUE IN ADOLESCENT GIRLS

Maïke ter Wolbeek, PhD, Laboratory of Psychoneuroimmunology, University Medical Center Utrecht, Utrecht, The Netherlands, Lorenz J. van Doornen, PhD, Health Psychology, Utrecht University, Utrecht, The Netherlands, Annemieke Kavelaars, PhD, Cobi J. Heijnen, PhD, Laboratory of Psychoneuroimmunology, University Medical Center Utrecht, Utrecht, The Netherlands

3:15 - 3:30 pm

BREAK

3:30 - 5:00 pm

PARALLEL SYMPOSIA

**Symposium 1291: From Socioeconomic Status to Health: *Harborside C*
Novel Genetic, Neural, Environmental, and Sleep-related Pathways**

Chair: Brooks Gump, PhD; Discussant: Sheldon Cohen, PhD

Brooks B. Gump, PhD, Psychology, State University of New York at Oswego, Oswego, New York, Sheldon Cohen, PhD, Psychology, Carnegie Mellon University, Pittsburgh, Pennsylvania, Brooks B. Gump, PhD, Psychology, State University of New York at Oswego, Oswego, New York, Karen A. Matthews, PhD, Peter Gianaros, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Edith Chen, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

Abstract 1407

SOCIOECONOMIC STATUS AND GENOME-WIDE TRANSCRIPTIONAL PROFILING OF INFLAMMATORY PROCESSES IN ASTHMA

Edith Chen, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada, Steve W. Cole, PhD, Medicine, UCLA, Los Angeles, CA, Gregory E. Miller, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

Abstract 1398

SUBJECTIVE SOCIAL STATUS VARIES WITH GREY MATTER VOLUME OF THE ANTERIOR CINGULATE CORTEX IN OLDER WOMEN

Peter Gianaros, PhD, Lei Sheu, PhD, Howard Aizenstein, MD, Megan Nable, BS, JR Jennings, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Sheldon Cohen, PhD, Jeffery Horenstein, MS, Psychology, Carnegie Mellon University, Pittsburgh, PA, Karen Matthews, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Abstract 1313

BLOOD LEAD (PB) LEVELS: FURTHER EVIDENCE FOR AN ENVIRONMENTAL MECHANISM EXPLAINING THE ASSOCIATION BETWEEN SOCIOECONOMIC STATUS AND PSYCHOPHYSIOLOGICAL DYSREGULATION IN CHILDREN

Brooks B. Gump, PhD, Jacki Reihman, PhD, Paul Stewart, PhD, Edward Lonky, PhD, Psychology, State University of New York at Oswego, Oswego, New York, Patrick J. Parsons, PhD, Wadsworth Center, New York State Department of Health, Albany, New York, Douglas A. Granger, PhD, Biobehavioral Health, The Pennsylvania State University, University Park, Pennsylvania

Abstract 1335

SLEEP AS A POTENTIAL PATHWAY CONNECTING SOCIOECONOMIC STATUS AND CARDIOVASCULAR DISEASES

Karen A. Matthews, PhD, Psychiatry, Elizabeth J. Mezick, MA, Psychology, Martica Hall, PhD, Psychiatry, Thomas W. Kamarck, PhD, Psychology, Jane F. Owens, DrPH, Daniel J. Buysse, MD, Psychiatry, Patrick J. Strollo, MD, Pulmonology, Steven E. Reis, MD, Cardiology, University of Pittsburgh, Pittsburgh, PA

**Symposium 1165: Why Don't Cardiologists Care (About *Harborside D*
Depression and Anxiety)? – Identifying and Overcoming Barriers**

Chair: Roy Ziegelstein, MD; Discussant: Karina Davidson, MD

Roy C. Ziegelstein, MD, Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland, Karina W. Davidson, PhD, Medicine & Psychiatry, Columbia University Medical Center, New York, New York, Brett D. Thombs, PhD, Psychiatry, McGill University, Montreal, Quebec, Canada, Hochang B. Lee, MD, Gina M. Magyar-Russell, PhD, Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD, Heather L. Rogers, MPH, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD

Abstract 1198

IDENTIFYING AND ADDRESSING BARRIERS TO SCREENING FOR DEPRESSION IN CARDIOVASCULAR CARE

Brett D. Thombs, PhD, Psychiatry, McGill University, Montreal, Quebec, Canada, Mary A. Whooley, MD, Medicine, Epidemiology and Biostatistics, University of California, San Francisco, San Francisco, CA, Roy C. Ziegelstein, MD, Department of Medicine, The Johns Hopkins University School of Medicine, Baltimore, MD

Abstract 1204

IS POST-CABG DEPRESSION A LATE-ONSET, VASCULAR DEPRESSION?

Hochang B. Lee, MD, Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD

Abstract 1352

DEPRESSIVE SYMPTOMS AND PLATELET AGGREGATION AFTER ACUTE CORONARY SYNDROME

Heather L. Rogers, MPH, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, Roy C. Ziegelstein, James A. Fauerbach, Gina M. Magyar-Russell, and Marlene S. Williams, Johns Hopkins University School of Medicine, Baltimore MD

Abstract 1302

EFFECTS OF COGNITIVE AND EMOTIONAL FACTORS ON PATIENTS WITH, OR AT HIGH RISK FOR, VENTRICULAR ARRHYTHMIAS

Gina M. Magyar-Russell, PhD, Psychiatry, Johns Hopkins University School of Medicine, Baltimore, MD, Joseph E. Marine, MD, Medicine, Johns Hopkins School of Medicine, Baltimore, MD, Heather L. Rogers, MPH, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, Roy C. Ziegelstein, MD, Medicine, Johns Hopkins School of Medicine, Baltimore, MD

Symposium 1241: Psychosocial and Psychophysiologic Factors Are Associated With Subclinical Vascular Disease

Harborside E

Chair: S. Carrington Rice, MA; Discussant: Thomas Kamarck, MA

S. Carrington Rice, MA, Psychology, University of Maryland, Baltimore County, Baltimore, MD, Andrew Steptoe, DPhil, DSc, Epidemiology and Public Health, University College London, London, UK, S. Carrington Rice, MA, Psychology, University of Maryland, Baltimore County, Baltimore, MD, Susan A. Everson-Rose, PhD, Medicine, University of Minnesota, Minneapolis, MN, Thomas W. Kamarck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA, Tené T. Lewis, PhD, Epidemiology and Public Health, Yale University, New Haven, CT

Abstract 1245

ANGER COPING STYLES AND CAROTID ATHEROSCLEROSIS IN HIV+ WOMEN

S Everson-Rose, PhD, Medicine, Univ of MN, Minneapolis, MN, Z Chen, MS, Biostatistics, Univ of MI, Ann Arbor, MI, K Weber, BSN, S Urwin, BA, Hektoen Institute, Chicago, IL, R Kaplan, PhD, Epidemiology, AECOM, Bronx, NY, H Hodis, MD, Atherosclerosis Research Unit, Keck School of Med, Los Angeles, CA

Abstract 1244

RACIAL DISCRIMINATION, SOCIOECONOMIC STATUS, AND CAROTID INTIMAL MEDIAL THICKNESS

S. Carrington Rice, MA, Shari R. Waldstein, PhD, Psychology, University of Maryland, Baltimore County, Baltimore, MD, Samer S. Najjar, MD, Michele K. Evans, MD, Alan B. Zonderman, PhD, Intramural Research Program, National Institute on Aging, Baltimore, MD

Abstract 1517

RACE, PSYCHOSOCIAL FACTORS AND ARTERIAL STIFFENING: THE HEALTH, AGING AND BODY COMPOSITION STUDY

Tené Lewis, PhD, Epidemiology & Public Health, Yale University, New Haven, CT, Kim Sutton-Tyrrell, DrPH, Epidemiology, University of Pittsburgh, Pittsburgh, PA, Brenda Penninx, PhD, Nicole Vogelzangs, MSc, Psychiatry, VU University Medical Center, Amsterdam, Netherlands, Tamara Harris, MD, NIA, NIH, Bethesda, MD, Georgeta Vaidean, MD, Preventive Medicine, University of Tennessee, Memphis, TN, Hilsa Ayonayon, PhD, Epidemiology, UCSF, San Francisco, CA, Lauren Kim, NIA, NIH, Bethesda, MD, Anne Newman, MD, Epidemiology, University of Pittsburgh, Pittsburgh, PA

Abstract 1243

INFLAMMATORY STRESS RESPONSES AND ARTERIAL STIFFNESS

Andrew Steptoe, DPhil, DSc, Epidemiology and Public Health, Elizabeth Ellins, MA, Julian Halcox, MD, Vascular Physiology Unit, Institute of Child Health, Lena Brydon, PhD, Epidemiology and Public Health, Ann Donald, AVS, Bryony Field, BSc, John Deanfield, MB BCH, Vascular Physiology Unit, Institute of Child Health, University College London, London, UK

5:00 - 6:15 pm

Poster Session 3

Harborside Foyer

234) Abstract 1046

EFFECTS OF SHORT-TERM SLEEP DEPRIVATION ON HEART RATE VARIABILITY AND ARRHYTHMIA BURDEN IN HEALTHY SUBJECTS

Grant V. Chow, MD, Nivee Amin, BS, Internal Medicine, Michael T. Smith, MD, Brendan Klick, Gina Magyar-Russell, PhD, Psychiatry, Johns Hopkins Medical Institutions, Baltimore, MD, Heather Rogers, MPH, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, Robert Edwards, MD, Psychiatry, Joseph E. Marine, MD, Roy C. Ziegelstein, MD, Cardiology, Johns Hopkins Medical Institutions, Baltimore, MD

235) Abstract 1470

ADDING FUEL TO THE FIRE: ARE DEPRESSIVE SYMPTOMS ASSOCIATED WITH HIGHER HSCRP AND IL-6 IN WOMEN AND MEN AT-RISK FOR CORONARY ARTERY DISEASE?

Rima Azar, PhD, Women's Health Program, University Health Network- University of Toronto, Toronto, Ontario, Canada, Robert P. Nolan, PhD, Donna E. Stewart, Psychiatry, University of Toronto & University Health Network, Toronto, Ontario, Canada

236) Abstract 1087

SEX DIFFERENCES IN IMPACT OF C-REACTIVE PROTEIN RISK GROUP ON CORTISOL STRESS REACTIVITY IN HEALTHY YOUNG ADULTS WITH PARENTAL HISTORY OF HYPERTENSION

Jeanette M. Bennett, M.S., Biobehavioral Health, Penn State University, University Park, PA, Isabella M. Rodrigues, PhD, Department of Veteran Affairs/WRIISC, University of Medicine and Dentistry of New Jersey, East Orange, New Jersey, Laura Cousino Klein, PhD, Biobehavioral Health, Penn State University, University Park, PA

237) Abstract 1513

DEPRESSION, CORTICAL ASYMMETRY, AND CARDIOVASCULAR REACTIVITY

Julia D. Betensky, B.A., Richard J. Contrada, PhD, Psychology, Rutgers University, Piscataway, NJ

238) Abstract 1463

LUNG FUNCTION, PERCEIVED STRESS, AND METABOLIC SYNDROME IN A YOUNG POPULATION

Tyler W. Chavez, Timothy S. Freson, M.S., Celestina Barbosa-Leiker, M.S., Bruce R. Wright, MD, Health & Wellness Services, John M. Ruiz, PhD, Heidi A. Hamann, Psychology, Washington State University, Pullman, WA

239) Abstract 1293

IS THE FACTOR STRUCTURE OF THE METABOLIC SYNDROME COMPARABLE ACROSS AGE GROUPS?

Virginia Ferent, BA, Psychology, Washington State University, Pullman, WA, Celestina Barbosa-Leiker, MS, Psychology, Washington State University, Pullman, Washington, Leonard G. Burns, PhD, Psychology, Washington State University, Pullman, WA, Bruce R. Wright, MD, Health and Wellness Services, Health and Wellness Services, Pullman, WA, Timothy S. Freson, MS, Health and Wellness Services, John M. Ruiz, PhD, Heidi A. Hamann, PhD, Psychology, Washington State University, Pullman, WA

240) Abstract 1465

PERCEIVED STRESS AND CORONARY HEART DISEASE RISK IN YOUNG ADULTS

Timothy S. Freson, M.S., Celestina Barbosa-Leiker, M.S., Ashley J. Miller, B.S., Bruce R. Wright, MD, Health & Wellness Services, John M. Ruiz, PhD, Heidi A. Hamann, PhD, Psychology, Washington State University, Pullman, WA

241) Abstract 1657

THE CARDIAC SELF-EFFICACY SCALE (CASE): RELIABILITY AND VALIDITY OF A NEW ASSESSMENT TOOL

Eric B. Hekler, MS, Mental Health, VA Maryland Health Care System, Baltimore, MD, John S. Gottdiener, MD, Willem J. Kop, PhD, Medicine, University of Maryland Medical Center, Baltimore, MD

242) Abstract 1154

PHYSICAL ACTIVITY AND FITNESS HELP TO EXPLAIN THE ASSOCIATION OF DEPRESSION AND HEART RATE VARIABILITY

Joel W. Hughes, PhD, Elizabeth Casey, MA, Psychology, Vicki H. Doe, MA, Ellen L. Glickman, PhD, Exercise Science, Kent State University, Kent, OH, Phyllis K. Stein, PhD, Medicine, Washington University, St. Louis, MO, Donna Waechter, PhD, Cardiovascular Institute, James Rosneck, MS, Cardiopulmonary Rehabilitation, Summa Health System, Akron, OH, Richard A. Josephson, MD, School of Medicine, Case Western Reserve University, Cleveland, OH

243) Abstract 1456

CARDIOVASCULAR FITNESS, ANXIETY, DEPRESSION, AND INSULIN RESISTANCE IN A YOUNG POPULATION.

Amy L. Jemelka, Timothy S. Freson, M.S., Celestina Barbosa-Leiker, M.S., Bruce R. Wright, MD, Health & Wellness Services, John M. Ruiz, PhD, Heidi A. Hamann, PhD, Psychology, Washington State University, Pullman, WA

244) Abstract 1526

CHANGING TREATMENT EXPECTANCY IN AN ICD PATIENT POPULATION

Sabine N. Johnson, B.Sc., Kinesiology and Health Sciences, Ana Bilanovic, B.Sc., Lephuong Ong, M.A., Jill Stanley, M.A., Psychology, Paul Ritvo, PhD, Kinesiology and Health Sciences, York University, TO, ON, Canada, Paul Dorian, MD, Cardiology, St. Michael's Hospital, TO, ON, Canada, Louise Harris, MD, Cardiology, Toronto General Hospital, TO, ON, Canada, Samuel Sears, PhD, Psychology, East Carolina University, Greenville, NC, Robert Cribbie, PhD, Jane Irvine, D.Phil, C. Psyc, Psychology, York University, TO, ON, Canada

245) Abstract 1792

ARE THERE SEX DIFFERENCES IN THE RELATIVE CONTRIBUTION OF CLASSIC CARDIAC RISK FACTORS TO THE METABOLIC SYNDROME?

Lynn Jolicoeur, Technician, André Arsenault, MD, Bernard Meloche, Technician, Nadine S. Bekkouche, BSc, Catherine Laurin, PhD, Kim L. Lavoie, PhD, Blaine Ditto, PhD, Philippe Stébenne, BA, Roxanne Pelletier, PhD, Jennifer Gordon, BSc, Sandra Pélaez, MA, Xueli Zhao, PhD, Simon L. Bacon, Nuclear Medicine, Montreal Heart Institute, Montreal, Quebec, Canada

246) Abstract 1080

ACCULTURATION, PHYSICAL ACTIVITY, CORTISOL, AND SYMPTOMS OF DEPRESSION IN HISPANIC POST-MYOCARDIAL INFARCTION PATIENTS: A STRUCTURAL EQUATION MODELING APPROACH

Vamsi K. Koneru, M.S., Paul S. Wachowiak, M.S., Marc Gellman, PhD, Miriam Gutt, PhD, Elsa Robinson, R.N., Melanie Ashby, PhD, Neil Schneiderman, PhD, Psychology, University of Miami, Coral Gables, FL

247) Abstract 1531

ETHNIC/RACIAL DIFFERENCES IN SOCIAL ADJUSTMENT IN POST-ACUTE CORONARY SYNDROME PATIENTS

Grace Kong, M.A., Ashley Van Egeren, B.A., Integrative Behavioral Cardiology, Mount Sinai School of Medicine, New York, NY, William F. Chaplin, PhD, Psychology, St. John's University, Jamaica, NY, Nina Rieckmann, PhD, Department of Psychiatry, Mount Sinai School of Medicine, New York, NY, Karina Davidson, PhD, Behavioral Medicine and Psychiatry, Columbia University, New York, NY

248) Abstract 1399

SOCIAL SUPPORT AND CARDIOVASCULAR REACTIVITY TO STRESS AMONG CHINESE IMMIGRANTS

Christine Lee, BA, Sonia Suchday, PhD, Ferkauf Graduate School of Psychology, Bronx, NY, Judith Wylie-Rosett, EdD, RD, Albert Einstein College of Medicine, Bronx, NY

249) Abstract 1125

DO ANGER AND SOCIAL SUPPORT PREDICT METABOLIC SYNDROME IN HEALTHY MIDDLE-AGED ADULTS?

Hsin-hua Lin, M.S., Maria M. Llabre, PhD, Neil Schneiderman, PhD, Barry E. Hurwitz, PhD, Psychology, University of Miami, Coral Gables, FL

250) Abstract 1791

THE EFFECT OF C-REACTIVE PROTEIN AND SEDIMENTATION ON VASCULAR AND METABOLIC REACTIVITY ACCORDING TO SEX AND METABOLIC SYNDROME STATUS

Bernard Meloche, Technician, André Arsenault, MD, Lynn Jolicoeur, Technician, Nadine S. Bekkouche, BSc, Catherine Laurin, PhD, Kim L. Lavoie, PhD, Blaine Ditto, PhD, Philippe Stébenne, BA, Roxanne Pelletier, BA, Jennifer L. Gordon, BSc, Sandra Pélaez, MA, Xueli Zhao, PhD, Simon L. Bacon, PhD, Nuclear Medicine, Montreal Heart Institute, Montreal, Quebec, Canada

251) Abstract 1497

DAYTIME NAPPING, STRESS, SLEEP AND OBESITY: THE SLEEPScore STUDY

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

252) Abstract 1070

CORRELATES OF PATIENT ACCEPTANCE OF THE CARDIOVERTER-DEFIBRILLATOR: CROSS-VALIDATION OF THE FLORIDA PATIENT ACCEPTANCE SURVEY IN DANISH PATIENTS

Susanne S. Pedersen, PhD, Medical Psychology, Tilburg University, Tilburg, The Netherlands, Helle Spindler, PhD, Psychology, University of Aarhus, Aarhus, Denmark, Jens B. Johansen, MD, Peter Mortensen, MD, Cardiology, Aarhus University Hospital, Aarhus, Denmark, Samuel F. Sears, PhD, Psychology, East Carolina University, Greenville, North Carolina

253) Abstract 1150

OVERLAP AND DISTINCTIVENESS OF PSYCHOLOGICAL RISK FACTORS IN ISCHEMIC HEART DISEASE AND CHRONIC HEART FAILURE: ARE WE THERE YET?

Aline J. Pelle, MSc, Johan Denollet, PhD, CoRPS, Tilburg University, Tilburg, The Netherlands, Anne-Dorthe Zwisler, MD, National Institute of Public Health, Copenhagen, Denmark, Susanne S. Pedersen, PhD, CoRPS, Tilburg University, Tilburg, The Netherlands

254) Abstract 1436

PSYCHO-EXISTENTIAL FACTORS IN PATIENTS WITH CORONARY ARTERY DISEASE WITH REFERENCE TO CIRCULATING ANTIBODIES TO HSP60

Jose R. Peña, MD, Aracelis M. Quintini, MD, Medicine, University of Carabobo, Valencia, Carabobo, Venezuela, Sabrina Islam, B.A-BACI, Babette Weksler, B.A-BACI, Medicine, Weil Medical College-Cornell University, New York, N.Y.

255) Abstract 1596

TREATMENT OF DEPRESSION AFTER CORONARY BYPASS SURGERY: THE ROLE OF HEART DISEASE ATTRIBUTIONS

Rebecca L. Reese, M.A., Psychology, Kenneth E. Freedland, PhD, Brian Steinmeyer, M.S., Psychiatry, Washington University, St. Louis, MO

256) Abstract 1424

SOCIAL VIGILANCE AND CARDIOVASCULAR RESPONSE: MODERATING EFFECTS OF THE SOCIAL TARGET'S AFFILIATIVE BEHAVIOR AND RELEVANCE

John M. Ruiz, PhD, Heidi A. Hamann, PhD, Psychology, Bruce R. Wright, MD, Timothy S. Freson, MS, Health and Wellness Services, Washington State University, Pullman, WA

257) Abstract 1212

PERSONALITY ASSOCIATIONS OF HIGH BRAIN SEROTONIN IN MEN

Ilene C. Siegler, Ph D, Michael J. Helms, MA, Psychiatry, Cynthia M. Kuhn, Ph. D., Pharmacology, Richard S. Surwit, Ph. D., Psychiatry, Sherman A. James, Ph. D., Policy Sciences, Duke, Durham, NC, Redford B. Williams, MD, Psychiatry, Duke University, Durham, NC, Paul T. Costa, Ph. D, IRP, NIA, NIH, Baltimore, MD, Beverly H. Brummett, Ph. D., Psychiatry, Duke, Durham, NC

258) Abstract 1730

SPIRITUALITY BUFFERS THE NEGATIVE EFFECTS OF ACCULTURATIVE STRESS ON CARDIOVASCULAR DISEASE RISK FACTORS IN MEXICAN IMMIGRANTS

Patrick R. Steffen, PhD, Psychology, Brigham Young University, Provo, UT

259) Abstract 1287

CORRELATES OF WAIST CIRCUMFERENCE IN HEALTHY YOUNG ADULTS

Bruce R. Wright, MD, Health and Wellness Services/ Psychology, Celestina Barbosa-Leiker, MS, Health and Wellness Services, Washington State University, Pullman, WA, Timothy S. Freson, MS, Health and Wellness Services, Washington State University, Pullman, WA, Ruiz John, PhD, Heidi Hamann, PhD, Psychology, Washington State University, Pullman, WA, Ashley Miller, BS, Health and Wellness Services, Washington State University, Pullman, WA

260) Abstract 1278

PREDICTORS OF INTERLEUKIN 10 IN HEALTHY YOUNG ADULTS.

Bruce R. Wright, MD, Health and Wellness Services/ Psychology, Timothy S. Freson, MS, Health and Wellness Services, Washington State University, Pullman, WA, Celestina Barbosa-Leiker, MS, Health and Wellness Services, Washington State University, Pullman, WA, John M. Ruiz, PhD, Psychology, Washington State University, Pullman, WA, Heidi Hamann, PhD, Psychology, Washington State University, Pullman, WA

261) Abstract 1090

CHRONIC ASTHMA AND QUALITY OF LIFE: MECHANISMS OF ASSOCIATION USING A POPULATION-BASED STUDY

Frank C. Bandiera, MPH, Epidemiology and Public Health, University of Miami, Miami, Florida, William Jeffries, MA, Sociology, University of Florida, Gainesville, Florida, Ahmed Arif, MD, PhD, Public Health Sciences, University of North Carolina at Charlotte, Charlotte, North Carolina, Nabih Asal, PhD, University of Florida, Epidemiology and Biostatistics, Gainesville, Florida

262) Abstract 1661

DEPRESSIVE SYMPTOMS AND RISK BEHAVIOR IN ASTHMA AND OTHER CHRONIC RESPIRATORY CONDITIONS: RESULTS FROM A NATIONAL POPULATION-BASED SURVEY

Raz Gross, MD, MPH, Aviva Goral, MPH, Mental Health Epidemiology, Joshua Lipsitz, PhD, Mental Health Epidemiology, Galit Geulayov, MSc, Mental Health Epidemiology, Gertner Institute for Epidemiology, Tel-Hashomer, Israel, Noga Garty-Sandalon, RD, MSc, Manfred Green, MD, PhD, Israel Center for Disease Control, Ministry of Health, Tel-Hashomer, Israel

263) Abstract 1193

DO SOCIALLY DISADVANTAGED ADULTS IN CANADA HAVE WORSE ASTHMA?

Kim L. Lavoie, PhD, Anne Bouchard, BSc, Isabelle Boisvert, Montreal Behavioral Medicine Center, University of Quebec, Hôpital du Sacré-Coeur, Montreal, Quebec, Canada, Eric Loucks, PhD, Epidemiology, McGill University, Montreal, Quebec, Canada, Simon L. Bacon, PhD, Montreal Behavioral Medicine Center, Concordia University, Hôpital du Sacré-Coeur, Montreal, Quebec, Canada

264) Abstract 1753

HOME MONITORING OF AIRWAY INFLAMMATION WITH EXHALED NITRIC OXIDE: EVALUATION OF A NEW AMBULATORY TECHNIQUE FOR ASTHMA PATIENTS

Antje Kullowatz, PhD, Environmental Health, Harvard School of Public Health, Boston, MA, Kristin E. Schellack, undergraduate student, Thomas Ritz, PhD, Psychology, Southern Methodist University, Dallas, TX

265) Abstract 1710

EMOTIONAL REACTIVITY OF THE AIRWAYS IN ASTHMA: CONSISTENCY ACROSS EMOTION INDUCTION TECHNIQUES AND EMOTIONAL QUALITIES

Thomas Ritz, PhD, Psychology, Southern Methodist University, Dallas, TX, Antje Kullowatz, PhD, Harvard School of Public Health, Boston, MA, Hans-Jürgen Smith, PhD, Viasys Healthcare, Höchberg, Germany, Frank Kannies, PhD, Helgo Magnussen, PhD, Pulmonary Research Institute, Hospital Grosshansdorf, Grosshansdorf, Germany, Bernhard Dahme, PhD, University of Hamburg, Hamburg, Germany

266) Abstract 1142

DOES STRESS DURING PREGNANCY PREDICT ANTHROPOMETRIC CHARACTERISTICS OF THE NEONATES?

Adomas Bunevicius, Faculty of Medicine, Kaunas University of Medicine, Garliava, Kauno rajonas, Lithuania, Laima Kusminskas, Robertas Bunevicius, Institute of Psychophysiology and Rehabilitation, Kaunas University of Medicine, Palanga, Lithuania

267) Abstract 1176

PSYCHOLOGICAL STRESS INCREASES THE RISK OF CHORIOAMNIONITIS AMONG WOMEN WITH PRETERM PREMATURE RUPTURE OF THE FETAL MEMBRANES

Toby Yanowitz, MD, Pediatrics, Martica Hall, PhD, Psychiatry, Univ Pittsburgh, Pittsburgh, PA

268) Abstract 1548

PSYCHOLOGICAL LIAISON COUNSELING IN OBSTETRIC INPATIENTS TREATED IN ORDER TO PREVENT PRETERM BIRTH: DETERMINANTS OF DEMAND AND OUTCOMES

Beate Ditzen, PhD, Carol Hunkeler, B.A., Clinical Psychology & Psychotherapy, University of Zurich, Institute of Psychology, Zurich, Switzerland, Roland Zimmermann, MD, Dept. of Obstetrics and Gynecology, University Hospital Zurich, Zurich, Switzerland, Ulrike Ehlert, PhD, Clinical Psychology & Psychotherapy, University of Zurich, Institute of Psychology, Zurich, Switzerland

269) Abstract 1744

PREMENSTRUAL DYSPHORIC DISORDER AMONG ARAB WOMEN IN THE PRIMARY HEALTH CARE: PREVALENCE, CLINICAL SYMPTOMATOLOGY AND SOCIODEMOGRAPHIC CORRELATES.

Ossama T. Osman, MD, Department of Psychiatry and Behavioral Sciences, Diaa Rik, MD, Obstetrics and Gynecology, Sufyan Sabri, PhD, Psychiatry, Faculty of Medicine- United Arab Emirates university, Al-Ain, Abu Dhabi, United Arab Emirates

270) Abstract 1482

RELATIONSHIP BETWEEN PAIN WITH INTERCOURSE AND PSYCHOLOGICAL DISTRESS AMONG WOMEN WITH VULVAR VESTIBULITIS SYNDROME.

Kinnari Desai, MD, Jessica Hartung, BS, Caitlin E. Shaw, Student, Cara Perinetti-Liebert, BS, Denniz Zolnoun, MD, Obstetrics & Gynecology, University of North Carolina, Chapel Hill, Chapel Hill, NC

271) Abstract 1435

DIFFERENCES IN SYSTEMIC PAIN PERCEPTION BETWEEN WOMEN WITH PRIMARY AND SECONDARY VULVAR VESTIBULITIS SYNDROME

Denniz Zolnoun, MD, Cara Perinetti-Liebert, BS, Obstetrics and Gynecology, Rebecca Klatzkin, MA, Mary Beth Mechlin, MA, Susan S. Girdler, PhD, Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, NC

272) Abstract 1411

INTRUSION, AVOIDANCE AND AROUSAL ARE NOT ASSOCIATED WITH EVENING SALIVARY CORTISOL LEVELS IN PREGNANT WOMEN FOLLOWING DETECTION OF FETAL ANOMALIES

Anne Kaasen, MSc, Department of Obstetrics and Gynecology, University of Oslo, Rikshospitalet Medical Center, Oslo, Norway, Hans Skari, PhD, Department of Paediatric Surgery, Rikshospitalet Medical Center, Oslo, Norway, Ulrik F. Malt, MD, PhD, Department of Neuropsychiatry and Psychosomatic Med., Anne Helbig, MD, Department of Obstetrics and Gynecology, University of Oslo, Rikshospitalet Medical Center, Oslo, Norway, Arvid Heiberg, MD, PhD, Department of Medical Genetics, Rikshospitalet Medical Center, Oslo, Norway, Guttorm N. Haugen, MD, PhD, Department of Obstetrics and Gynecology, University of Oslo, Rikshospitalet Medical Center, Oslo, Norway

273) Abstract 1268

COGNITIVE APPRAISALS ARE RELATED TO THE NEUROENDOCRINE STRESS RESPONSE TO EXPERIMENTAL ACUTE PAIN

Lacy A. Mayes, M.A., Psychology, University of Maryland, Baltimore County, Baltimore, MD, U.S.A, Burel Goodin, M.A., Noel Burns, B.A., Lynanne McGuire, PhD, Psychology, University of Maryland, Baltimore County, Baltimore, MD

274) Abstract 1643

CONFIRMATORY FACTOR ANALYSIS AND INVARIANCE OF THE SHORT FORM MCGILL PAIN QUESTIONNAIRE (MPQ-SF) IN A LONGITUDINAL SAMPLE OF BURN PATIENTS

Shawn T. Mason, MS, Lisa L. Arceneaux, Psy D., Psychiatry and Behavioral Sciences, J. A. Fauerbach, PhD, Psychiatry and Behavioral Sciences, Caryn Seebach, MS, Claire Sootang-Ackerman, MS, Psychiatry and Behavioral Sciences, Johns Hopkins Bayview Medical Center, Baltimore, MD

275) Abstract 1433

ASSESSMENT OF RELIABILITY AND VALIDITY OF THE WORST DAY OF THE WEEK FUNCTIONAL ASSESSMENT IN A NON-CLINICAL POPULATION

Kimberly Williams, PhD, Christiaan Abildso, EdM, Community Medicine, West Virginia University School of Medicine, Morgantown, WV, Kevin Larkin, PhD, Psychology, West Virginia University College of Arts and Science, Morgantown, WV, Ed Doyle, MD, Community Medicine, Beverly Epstein, MD, Orthopaedics, Smith David, PhD, Biochemistry, Linda Cooper, MSW, MBA, Community Medicine, West Virginia University School of Medicine, Morgantown, WV

276) Abstract 1378

PAIN-RELATED ACTIVE COPING AND HPA AXIS RESPONSE TO ACUTE PAIN

Noel Burns, BA, Burel Goodin, MA, Mark Allshouse, BA, Lacy Mayes, MA, Psychology, University of Maryland, Baltimore County, Baltimore, MD, Gayle Page, DNSc, Nursing, Johns Hopkins University SON, Baltimore, MD, Lynanne McGuire, PhD, Psychology, University of Maryland, Baltimore County, Baltimore, MD

277) Abstract 1740

PSYCHOSOMATIC INTERACTIONS EXPLAINING THE RELATIONSHIP BETWEEN ANGER AND PAIN

Ephrem Fernandez, PhD, Psychology, University of Texas at San Antonio, San Antonio, Texas

278) Abstract 1171

ENDOGENOUS OPIOIDS MAY BUFFER EFFECTS OF ANGER AROUSAL ON SENSITIVITY TO SUBSEQUENT PAIN

John Burns, PhD, Psychology, Rosalind Franklin Univ, North Chicago, IL, Stephen Bruehl, PhD, Ok Chung, MD, Anesthesiology, Vanderbilt Univ School of Medicine, Nashville, TN, Ed Magid, MD, Clinics, Rosalind Franklin Univ, North Chicago, IL

279) Abstract 1308

THE IMPACT OF PERCEIVED DISCRIMINATION ON DEPRESSIVE SYMPTOMS IS MODERATED BY SOCIAL SUPPORT AND RACE

Redford B. Williams, MD, Psychiatry, Duke University Medical Center, Durham, NC, Jolynn Pek, BS, Psychology, University of North Carolina, Chapel Hill, Chapel Hill, NC, Laura S. Richman, PhD, Psychology, Duke University, Durham, NC, Ilene C. Siegler, PhD, Psychiatry, Duke University Medical Center, Durham, NC

280) Abstract 1310

INDICATORS OF THE METABOLIC SYNDROME AMONG TREATMENT-SEEKING DEPRESSED ADULTS: ASSOCIATIONS WITH LIFETIME PSYCHIATRIC HISTORY

Jill M. Cyranowski, PhD, Tara L. Hofkens, BA, Ellen Frank, PhD, Psychiatry, Anna L. Marsland, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

281) Abstract 1155

CAN STAFF EDUCATION CHANGE NURSING ATTITUDES TOWARDS SUICIDAL PATIENTS?

E Norris, MD, R Primelo, MD, G Stern, RN, K Burke, RN, M Kaufmann, MD, Psychiatry, C Foltz, PhD, Health Studies, T Capuano, MBA, Clinical Services, Lehigh Valley Hospital, Allentown, PA

282) Abstract 1567

CARDIOVASCULAR DISEASE IN A LARGE COHORT OF DEPRESSED AND/OR ANXIOUS PATIENTS: FINDINGS FROM NESDA

N Vogelzangs, MSc, A Seldenrijk, MSc, Psychiatry, H van Hout, PhD, H van Marwijk, PhD, General Practice, M Diamant, PhD, Endocrinology, B Penninx, PhD, Psychiatry, VU University Medical Center, Amsterdam, The Netherlands

283) Abstract 1405

META-ANALYSIS OF THE EFFECT OF TESTOSTERONE REPLACEMENT ON MAJOR DEPRESSIVE DISORDER

Fahd A. Zarrouf, MD, Medicine/ Psychiatry, West Virginia University, Charleston, WV, James p. Griffith, MD, FACP, Medicine/Psychiatry, West Virginia University, Charleston, WV

284) Abstract 1281

CHILDHOOD SEXUAL ABUSE IS INDEPENDENTLY ASSOCIATED WITH PHYSICAL ILLNESS BURDEN IN DEPRESSED PATIENTS 50 YEARS OF AGE AND OLDER

Paul Duberstein, PhD, Ben Chapman, PhD, Nancy Talbot, PhD, Psychiatry, University of Rochester, Rochester, NY

285) Abstract 1569

SUBCLINICAL CARDIOVASCULAR DISEASE IN A LARGE COHORT OF DEPRESSED AND/OR ANXIOUS PATIENTS: FINDINGS FROM NESDA

A Seldenrijk, MSc, N Vogelzangs, MSc, Psychiatry, H van Hout, PhD, H van Marwijk, PhD, General Practice, M Diamant, PhD, Endocrinology, B Penninx, PhD, Psychiatry, VU University Medical Center, Amsterdam, The Netherlands

286) Abstract 1141

INCREASED VEGF IN PATIENTS WITH TYPICAL DEPRESSIVE DISORDER BUT NOT IN ATYPICAL DEPRESSIVE PATIENTS

Eva Fassbinder, MD, Wiebke Greggersen, MD, Sebastian Rudolf, MD, Psychiatry and Psychotherapy, Achim Peters, Professor, Internal Medicine I, Ulrich Schweiger, Professor, Psychiatry and Psychotherapy, University of Lubeck, Lubeck, Germany

287) Abstract 1101

CORRELATION BETWEEN HEART RATE VARIABILITY AND PLATELET SEROTONIN UPTAKE IN PATIENTS WITH PANIC DISORDER

Eun-Ho Kang, MD, Psychiatry, Sungkyunkwan University School of Medicine, Seoul, Korea(South), Bum-Hee Yu, MD, PhD, Psychiatry, Sungkyunkwan University, School of Medicine, Seoul, Korea(South), Moon-Sun Koo, M.S., Psychiatry, Sungkyunkwan University School of Medicine, Seoul, Korea(South), Kyung-Jeong Kim, Bsc, Psychiatry, Sungkyunkwan University, School of Medicine, Seoul, Korea(South), Woo-Yong Shin, MD, Psychiatry, Sungkyunkwan University School of Medicine, Seoul, Korea(South), Joo-Eon Park, MD, Psychiatry, Keyo Hospital, Euiwang, Korea(South), Jun-Bum Ahn, Bsc, Psychiatry, Sungkyunkwan University, School of Medicine, Seoul, Korea(South), In-Su Lee, MD, Psychiatry, Semin Hospital, Yeosu, Korea(South)

288) Abstract 1651

RELATIONSHIP BETWEEN PERSONALITY DIMENSIONS AND PSYCHOPATHOLOGY IN PATIENTS WITH MAJOR DEPRESSION

Rupert Conrad, MD, Ingo Wegener, PhD, Katrin Imbierowicz, MD, Reinhard Liedtke, MD, Franziska Geiser, MD, Psychosomatic Medicine and Psychotherapy, University of Bonn, Bonn, Germany

289) Abstract 1067

PILOT PROSPECTIVE STUDY OF ROUTINE INPATIENT HOSPICE DEPRESSION/DELIRIUM SCREENING SUGGESTS EASE OF ADMINISTRATION FOR STAFF AND PATIENTS AND HIGH PREVALENCE

Scott A. Irwin, MD, PhD, San Diego Hospice & Palliative Care, San Diego, CA, Sanjai Rao, MD, Psychiatry, UCSD, San Diego, CA, Frank D. Ferris, MD, San Diego Hospice & Palliative Care, San Diego, CA

290) Abstract 1633

PSYCHOLOGICAL FEATURES IN PANIC DISORDER PATIENTS WITH MAJOR DEPRESSION

Miyabi Isshiki, Graduate School of Human Sciences, Waseda University, Tokorozawa, Saitama, Japan, Hisanobu Kaiya, Research Center for Panic Disorder, Warakukai Incorporated Medical Institution, Minatoku, Tokyo, Japan, Shinobu Nomura, Faculty of Human Sciences, Waseda University, Tokorozawa, Saitama, Japan

291) Abstract 1423

EFFECTS OF A COGNITIVE-BEHAVIORAL GROUP THERAPY ON INFLAMMATORY MARKERS AND HEALTH FUNCTIONING IN DEPRESSED ELDERLY: A PILOT STUDY

Chiu-Tien Hsu, Graduate Institute of Psychology, National Chung-Cheng University, Taiwan, MING-HSIUNG, CHIA-YI, Taiwan, ROC, Chia-Ying Weng, Graduate Institute of Psychology, National Chung Cheng University, CHIA-YI, Taiwan, ROC, Pin-Fan Chen, Metabolism, Buddhist Dalin Tzu Chi General Hospital, Taiwan, Chia-Yi, Taiwan, ROC, Chin-Sung Kuo, Metabolism, Chin-Lon Lin, Cardiology, Buddhist Dalin Tzu Chi General Hospital, Chia-Yi, Taiwan, ROC, Ming-Chung Jong, County Health Bureau, Chiayi County Health Bureau, Taiwan, Taibao City, Chiayi County, Taiwan, ROC, Sze-Yu Kuo, psychology, Chiayi County Health Bureau, Taiwan, Taibao City, Chiayi County, Taiwan, ROC

292) Abstract 1461

DEPRESSION AND C-REACTIVE PROTEIN IN A POPULATION-BASED COHORT

Briana Mezuk, PhD, Epidemiology, University of Michigan, Ann Arbor, MI, William W. Eaton, PhD, Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, Sherita H. Golden, MD, Endocrinology and Metabolism, Johns Hopkins School of Medicine, Baltimore, MD, Peter Zandi, PhD, Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

293) Abstract 1347

CARDIOVASCULAR REACTIVITY AND BETA-ADRENERGIC RECEPTOR GENE POLYMORPHISMS IN BLACK YOUTH

Robert M. Kelsey, PhD, Bruce S. Alpert, MD, Pediatric Cardiology, Rongling Li, Preventive Medicine, Shelley R. Gabel, MBA, Jade A. Thompson, BA, Pediatric Cardiology, University of Tennessee Health Science Center, Memphis, TN, Mary K. Dahmer, PhD, Michael W. Quasney, MD/PhD, Pediatrics, Medical College of Wisconsin, Milwaukee, WI

294) Abstract 1723

NOCTURNAL BLOOD PRESSURE DIPPING STATUS IN DEPRESSION IS DEPENDENT ON THE ENVIRONMENTAL SETTING

Sujith Kuruvilla, MD, Medicine, Sally Aboeleta, PhD, School of Nursing, Dorota Gruber, MS GC, Moshe Levison, PhD, Syed Ahsan, MD, Daichi Shimbo, MD, Medicine, Columbia University Medical Center, New York, New York, Joseph Schwartz, PhD, Psychiatry, State University of New York-Stony Brook, Stony Brook, New York, Karina Davidson, PhD, Thomas Pickering, MD/PhD, Medicine, Columbia University Medical Center, New York, New York

295) Abstract 1750

PERCEIVED SOCIAL SUPPORT, MARITAL STATUS, AND AMBULATORY BLOOD PRESSURE AMONG ADULTS WITH HIGH BLOOD PRESSURE

Patrick J. Smith, BA, Michael A. Babyak, PhD, Julie M. Johnson, PA, Ashley M. Wilson, BS, Kathryn H. Earndhardt, BS, Brian J. Beckman, BS, Psychiatry and Behavioral Sciences, Duke University, Durham, NC, Alan L. Hinderliter, MD, Cardiology, University of North Carolina, Chapel Hill, NC, Andrew Sherwood, PhD, James A. Blumenthal, PhD, Psychiatry and Behavioral Sciences, Duke University, Durham, NC

296) Abstract 1787

HYPERTENSION LABELING IS ASSOCIATED WITH REDUCED QUALITY OF LIFE

Tanya M. Spruill, PhD, Medicine, Columbia University Medical Center, New York, NY, Joseph E. Schwartz, PhD, Psychiatry, SUNY-Stony Brook, Stony Brook, NY, Thomas G. Pickering, MD, D.Phil.,

Gbenga Ogedegbe, MD, Medicine, Columbia University Medical Center, New York, NY, Linda Gerber, PhD, Public Health, Weill Medical College of Cornell University, New York, NY

297) Abstract 1312

PERCEIVED RACISM AND MASKED HYPERTENSION

Elizabeth Brondolo, PhD, Nisha VerHalen, BA, Psychology, St. John's University, Jamaica, NY, Jonathan N. Tobin, PhD, Clinical Directors Network, New York, NY, William Gerin, PhD, Medicine / Cardiology, Mount Sinai School of Medicine, New York, NY, Thomas Pickering, MD, Medicine, Columbia University, New York, NY, Alan R. Roth, DO, Family Medicine, Mount Sinai School of Medicine, Jamaica, NY, Joseph E. Schwartz, PhD, Psychiatry and Behavioral Science, Stony Brook University, Stony Brook, NY

298) Abstract 1784

PHYSIOLOGICAL AND PSYCHOLOGICAL CORRELATES OF THE MAINSTREAM ORIENTATION QUESTIONNAIRE.

Edward A. Muhammad, M.S., Jules P. Harrell, PhD, A. Wade Boykin, PhD, Alfonso Campbell, PhD, Ashley R. Griffin, M.S., Psychology, Howard University, Washington, DC, Clive O. Callender, MD, F.A.C.S., Department of Surgery, Howard University Hospital, Washington, DC

299) Abstract 1238

THE EFFECTS OF CITALOPRAM ON RESTING BLOOD PRESSURE AND HEART RATE AMONG HOSTILE ADULTS

Elizabeth J. Vella, PhD, Psychology, University of Southern Maine, Portland, ME, Thomas W. Kamarck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA, Roger F. Haskett, MD, Psychiatry, Western Psychiatric Institute and Clinic, Pittsburgh, PA, Stephen B. Manuck, PhD, Psychology, Matthew Muldoon, MD, Medicine, University of Pittsburgh, Pittsburgh, PA, Janine D. Flory, PhD, Psychology, Queens College, CUNY, Flushing, NY

300) Abstract 1775

JOHN HENRYISM, SOCIOECONOMIC STATUS, AND 24HR AMBULATORY BLOOD PRESSURE AMONG BLACK ADULTS

Danielle L. Beatty, PhD, Department of Psychiatry, University of Pittsburgh, Pittsburgh, P.A., Elizabeth Brondolo, PhD, Melissa Weinstein, B.A., Department of Psychology, St. John's University, Queens, N.Y.

301) Abstract 1716

TREATMENT OF HYPERTENSION FAILS TO COUNTER DECREASE IN CEREBRAL GREY CELL VOLUME ASSOCIATED WITH HYPERTENSION

David N. Mendelson, BA, University of Pittsburgh School of Medicine, Pittsburgh, PA, J. R. Jennings, PhD, Psychiatry and Psychology, Peter J. Gianaros, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Howard J. Aizenstein, MD PhD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA

302) Abstract 1269

EMOTIONAL WELL-BEING IS ASSOCIATED WITH LIFESTYLE ADHERENCE IN HYPERTENSIVE PATIENTS

Ranak Trivedi, PhD, Medicine, Duke University Medical Center, Durham, NC, Brian Ayotte, PhD, David Edelman, MD, HSR&D, Durham VAMC, Durham, NC, Hayden Bosworth, PhD, Medicine, Duke University Medical Center, Durham, NC

303) Abstract 1122

IMPACT OF LEISURE TIME PHYSICAL ACTIVITY ON PSYCHIATRIC DISORDERS IN PATIENTS UNDERGOING EXERCISE STRESS TESTING.

Simon L. Bacon, PhD, A Arsenault, PhD, Kim L. Lavoie, PhD, Montreal Behavioural Medicine Centre, Montreal Heart Institute, Montreal, Quebec, Canada

304) Abstract 1634

WRIST AND WAIST-BASED ACCELEROMETRY MEASURES OF PHYSICAL ACTIVITY ARE INDEPENDENT PREDICTORS OF WITHIN PERSON VARIANCE IN AMBULATORY BLOOD PRESSURE.

Jeanette M. Garcia, BS, Health and Physical Activity, University of Pittsburgh, Pittsburgh, Pennsylvania, Todd M. Bear, MS, Psychology, Martica Hall, Ph.D, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Thomas W. Kamarck, Ph. D, Psychology, University of Pittsburgh, Pittsburgh, Pennsylvania

305) Abstract 1491

EFFECTS OF MINDFULNESS-BASED COPING WITH UNIVERSITY LIFE (MBCUL) ON THE STRESS SYSTEMS, A PILOT STUDY

Marie-Louise H. Gander, MD, Siobhan M. Lynch, MSc, Harald Walach, Professor, Psychology, University of Northampton, Northampton, United Kingdom

306) Abstract 1086

UNDIAGNOSED THYROID DISEASE ELEVATES BASELINE CORTISOL LEVELS IN ASYMPTOMATIC YOUNG MEN AND WOMEN

Laura Cousino Klein, PhD, Jeanette M. Bennett, M.S., Sandhya Kambhampati, B.S., Michele M. Stine, PhD, Biobehavioral Health, Penn State University, University Park, PA, Elizabeth J. Corwin, PhD, School of Nursing, The Ohio State University, Columbus, Ohio, Helen M. Deitch, MD, Gynecology and Obstetrics, Centre Medical and Surgical Associates, State College, PA, Shelley E. Taylor, PhD, Psychology, Teresa E. Seeman, PhD, Medicine & Epidemiology, UCLA, Los Angeles, CA

307) Abstract 1678

A PSYCHO-PHILOSOPHICAL STUDY: APPLICATION OF ASTANGA YOGA AS A TOOL IN TREATMENT OF PSYCHOSOMATIC DISORDERS.

Alok K. Mishra, Ph. D., Department of Physiology, K.K. Deepak, PhD, Physiology, Rajesh Sagar, PhD, Psychiatry, R.L. Bijlani, PhD, Physiology, All India Institute of Medical Sciences, New Delhi, Delhi, India

308) Abstract 1724

BODY AWARENESS: CONSTRUCT AND MEASURES

Wolf E. Mehling, MD, Viranjini Gopisetty, MD/MPH, Integrative Medicine, Jennifer Daubenmier, PhD, Health Psychology, University of California San Francisco, San Francisco, CA, Cynthia J. Price, PhD, School of Nursing, University of Washington, Seattle, WA, Anita Stewart, PhD, Social and Behavioral Sciences, University of California San Francisco, San Francisco, CA

309) Abstract 1659

A CROSS-SAMPLE EXAMINATION OF TRAUMA IDENTIFICATION PROCESSES IN SELF-REPORT MEASURES AND EXPRESSIVE WRITING INTERVENTIONS

Deborah Nazarian, MS, Joshua M. Smyth, PhD, Adrienne P. Borschuk, Psychology, Syracuse University, Syracuse, NY

310) Abstract 1520

A PILOT STUDY OF A MIND-BODY GROUP THERAPY FOR COMBAT VETERANS WITH POSTTRAUMATIC STRESS DISORDER

Anthony P. King, PhD, Thane Erickson, PhD, Nicholas Giardino, PhD, Elizabeth Robinson, PhD, Israel Liberzon, MD, Psychiatry, University of Michigan and Ann Arbor VA Hospital, Ann Arbor, MI

311) Abstract 1582

HEALTH AND ADAPTATION FOLLOWING BEREAVEMENT: THE ROLE OF SOCIAL CONSTRAINTS

Vanessa Juth, BA, Joshua M. Smyth, PhD, Michael P. Carey, PhD, Psychology, Syracuse University, Syracuse, New York

312) Abstract 1100

CARDIAC VAGAL CONTROL VARIES WITH SOCIAL FUNCTION IN OLDER WOMEN

Victoria B. Egizio, B.S., J. Richard Jennings, PhD, Israel C. Christie, PhD, Lei K. Sheu, PhD, Karen A. Matthews, PhD, Peter J. Gianaros, PhD, Psychology & Psychiatry, University of Pittsburgh, Pittsburgh, PA

313) Abstract 1498

URINARY 8-HYDROXY-2'-DEOXYGUANOSINE (8-OHdG) COVARIES POSITIVELY WITH HOSTILITY AMONG MID-LIFE COMMUNITY VOLUNTEERS

Judith E. Carroll, M.S., Anna L. Marsland, PhD, Psychology, Frank J. Jenkins, PhD, Pathology, University of Pittsburgh, Pittsburgh, PA, Andrew Baum, PhD, Psychology, University of Texas, Arlington, Arlington, TX, Matthew F. Muldoon, MD, MPH, Medicine, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

314) Abstract 1369

A DIARY STUDY ON THE FLUCTUATIONS OF PERCEIVED STRESS, FATIGUE AND QUALITY OF LIFE IN A MULTIPLE SCLEROSIS POPULATION

Raluca A. Topciu, M.A., Clinical and Social Sciences in Psychology, University of Rochester, Rochester, NY, Paul R. Duberstein, PhD, Jeffrey M. Lyness, MD, Nathan M. Franus, MS, Department of Psychiatry, Andrew Goodman, MD, Department of Neurology, University of Rochester Medical Center, Rochester, NY, Ashley H. Fan, University of Rochester, Rochester, NY

315) Abstract 1635

ANGER AFFECT MAY MODULATE PRURITUS PERCEPTION IN PATIENTS WITH CHRONIC IDIOPATHIC URTICARIA

Rupert Conrad, MD, Franziska Geiser, MD, Psychosomatic Medicine and Psychotherapy, Georg Haidl, MD, Dermatology, Markus Huttmacher, MD, Reinhard Liedtke, MD, Florentine Wermter, MD, Psychosomatic Medicine and Psychotherapy, University of Bonn, Bonn, Germany

316) Abstract 1734

DEPRESSION AND ILLNESS INTRUSIVENESS IN PREDIALYSIS PATIENTS

Dora M. Zalai, MD, Department Psychiatry, University of Toronto, Toronto, Ontario, Canada, Lilla Szeifert, MD, Andras Szentkiralyi, Agnes Kovacs, MD, Andrea Dunai, MD, Rezso Zoller, MD, Institute of Behavioral Sciences, Semmelweis University, Budapest, Hungary, David Mendelsohn, MD, Department of Nephrology, Humber River Regional Hospital, Weston, ON, Canada, Gerald M. Devins, PhD, Department of Psychiatry, University of Toronto, Toronto, ON, Canada, Miklos Molnar, MD, Institute of Behavioral Sciences, Semmelweis University, Budapest, Hungary, Istvan Mucsi, MD, Department of Nephrology, Humber River Regional Hospital, Weston, ON, Canada, Marta Novak, MD, Department of Psychiatry, University of Toronto, Toronto, ON, Canada

317) Abstract 1664

WHEN DO THE DISPARITIES IN CARIES DUE TO SOCIOECONOMIC STATUS OCCUR?

Deborah E. Polk, PhD, Robert J. Weyant, DMD, DrPH, Dental Public Health, Mary L. Marazita, PhD, Oral Biology, University of Pittsburgh, Pittsburgh, PA, Richard J. Crout, DDS, PhD, Restorative Dentistry, Daniel W. McNeil, PhD, Psychology, West Virginia University, Morgantown, WV, Gema Barkanic, BA, Oral Biology, University of Pittsburgh, Pittsburgh, PA

318) Abstract 1467

THE EFFECTS OF QUERCETIN ON LEARNING ABILITY OF STRESSED RATS IN THE SKINNER BOX

Irina Tubaltceva, Master of science, Physiology of human and animal, Kyiv National Taras Shevchenko university, Kyiv, Ukraine

319) Abstract 1219

CONFIRMATORY FACTOR ANALYSIS OF THE PERCEIVED STRESS SCALE IN A COLLEGE POPULATION

Celestina Barbosa-Leiker, MS, Health and Wellness Services, Marylyne L. Kostick, Bryan M. Borgeson, Bruce R. Wright, MD, Timothy S. Freson, MS, John M. Ruiz, PhD, Heidi A. Hamann, PhD, Washington State University, Pullman, WA

320) Abstract 1437

CROSS-CULTURAL CONSIDERATIONS IN PROMOTING ADVANCE CARE PLANNING

Andrea H. Con, PhD, Cancer Rehabilitation, British Columbia Cancer Agency, Vancouver, BC, Canada

321) Abstract 1160

QUALITY OF LIFE IN MS: DOES AGING ENHANCE PERCEPTIONS OF MENTAL HEALTH?

Terry A. DiLorenzo, PhD, Psychology, Stern College for Women, Yeshiva University, New York, NY, June Halper, ANP, Mary Ann Picone, MD, Bernard W. Gimbel Multiple Sclerosis Center, Holy Name Hospital, Teaneck, NJ

322) Abstract 1712

REGULATION OF CARDIAC ACTIVITY ALONG WITH EVALUATION OF STRESSOR -SIMULTANEOUS RECORDING OF EVENT-RELATED POTENTIAL AND AUTONOMIC NERVOUS ACTIVITY-

Kenta Kimura, M.A, Psychology, Nagoya University, Naogya-city, Aichi, Japan, HIDEKI OHIRA, Ph.D, Psychology, Nagoya University, Nagoya-city, Aichi, Japan

323) Abstract 1434

FUSION OF STAT1 TRANSCRIPTION FACTOR WITH GREEN FLUORESCENT PROTEIN (GFP) USED TO STUDY INTERFERON-INDUCED DEPRESSION

Thomas Meyer, PhD, MD, Psychosomatics and Psychotherapy, University of Marburg, Marburg, Germany, Christoph Herrmann-Lingen, Psychosomatics and Psychotherapy, University of Goettingen, Goettingen, Germany, Uwe Vinkemeier, School of Biomedical Sciences, Nottingham University Medical School, Nottingham, UK

324) Abstract 1084

NEIGHBORHOOD SOCIOECONOMIC FACTORS AND PSYCHOSOCIAL FUNCTION IN THE ELDERLY

Susan Everson-Rose, PhD, Medicine, University of Minnesota, Minneapolis, MN, Kimberly Skarupski, PhD, Rush Institute for Healthy Aging, Lisa Barnes, PhD, Neurological Sciences, Todd Beck, MS, Denis Evans, MD, Carlos Mendes de Leon, PhD, Rush Institute for Healthy Aging, Rush University Medical Center, Chicago, IL

325) Abstract 1357

“PHYSICAL OR PSYCHOLOGICAL?” - A COMPARATIVE STUDY OF CHRONIC FATIGUE IN BRAZILIAN AND BRITISH PRIMARY CARE

Hyong Jin Cho, MD/PhD, Cousins Center for Psychoneuroimmunology, UCLA, Los Angeles, CA, Dinesh Bhugra, PhD, Simon Wessely, MD, Institute of Psychiatry, King's College London, London, United Kingdom

326) Abstract 1401

A COMPARISON OF THE EFFECTS OF MINDFULNESS-BASED AND COGNITIVE-BEHAVIORAL STRESS REDUCTION.

Jennifer Bernard, BS, Kathryn Wiggins, BS, Erin Tooley, BS, Jeanne Dalen, MS, Bruce W. Smith, PhD, Psychology, University of New Mexico, Albuquerque, New Mexico, Brian M. Shelley, MD, Integrative Medicine, University of New Mexico Medical School, Albuquerque, New Mexico, Bruce W. Smith, PhD, Psychology, University of New Mexico, Albuquerque, New Mexico, USE

327) Abstract 1262

THE RELATIONSHIP BETWEEN PSYCHOSOCIAL STATUS, ACCULTURATION AND COUNTRY OF ORIGIN IN MID LIFE HISPANIC WOMEN: DATA FROM THE STUDY OF WOMEN'S HEALTH ACROSS THE NATION

Robin R. Green, Psy.D., Ob/Gyn, Aileen P. McGinn, PhD, Epi & P. Health, Nanette F. Santoro, MD, Ob/Gyn, Carol A. Derby, PhD, Epi & P. Health, Alex J. Polotsky, MD, Kavitha T. Ram, MD, Lhasa Ray, BS, Ob/Gyn, Rachel P. Wildman, PhD, Epi & P. Health, Albert Einstein College of Medicine, Bronx, New York, Gerson Weiss, Ob/Gyn, UMDNJ, Newark, New Jersey

328) Abstract 1580

RESPIRATION IN MOTHERS AND INFANTS DURING THE STILL FACE PARADIGM: A PILOT STUDY

Michelle Bosquet, PhD, Psychiatry, Children's Hospital Boston, Harvard Medical School, Boston, MA, Antje Kullowatz, PhD, Environmental Health, Harvard School of Public Health, Boston, MA, Thomas Ritz, PhD, Psychology, Southern Methodist University, Dallas, TX, Rosalind J. Wright, MD, M.P.H., Channing Laboratory, Brigham & Women's Hospital, Harvard Medical School, Boston, MA

7:00 pm

Closing Banquet and Entertainment

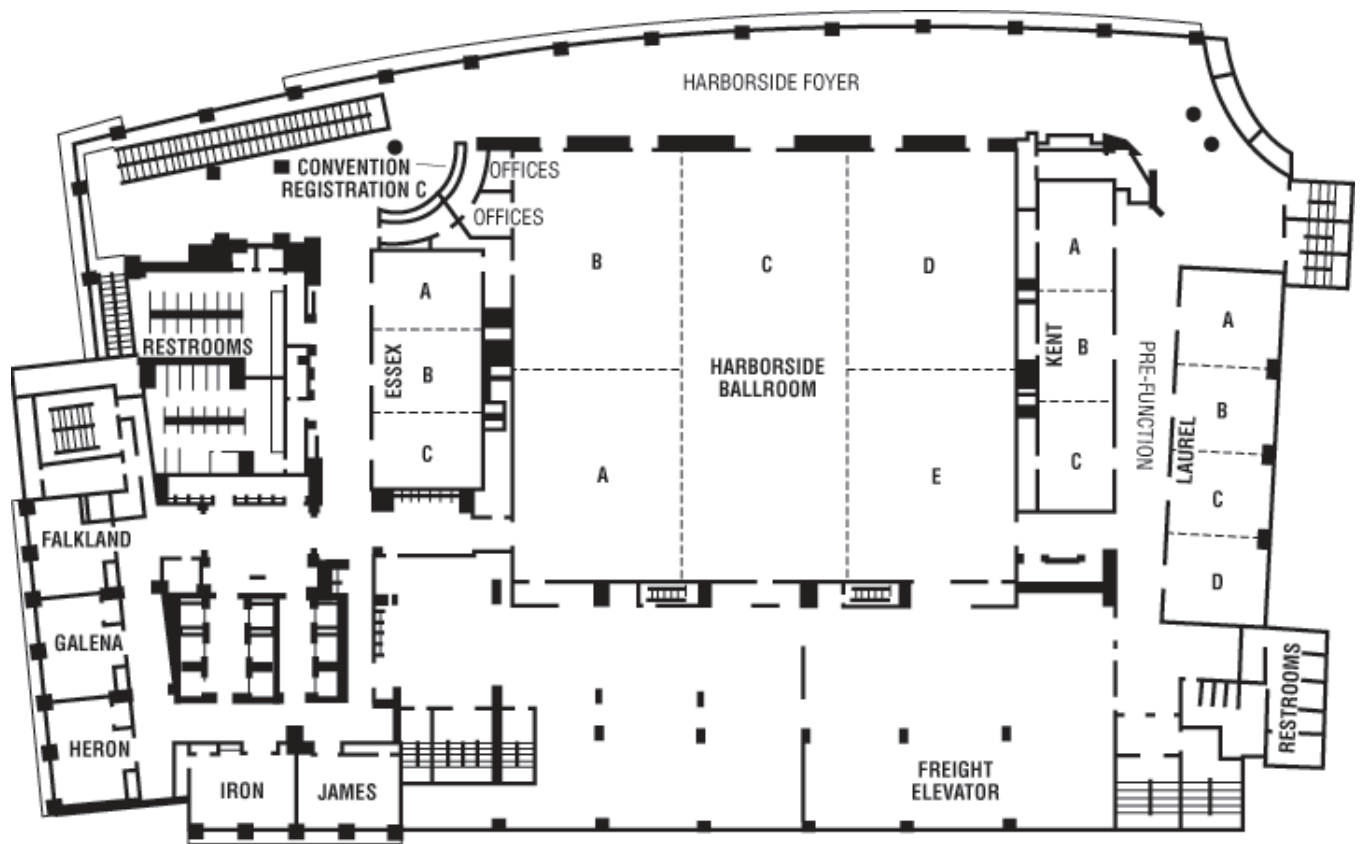
Harborside A-C

This special evening to close the meeting will feature the music of a popular East Coast band -- **Saturday**. Their playlist covers a variety of music from Top 40, rock n' roll, 50's and 60's, Motown and swing...they will really mix it up, so bring your dancing shoes and get ready to boogie!

A ticket is required to attend this dinner. If you did not purchase a ticket in advance, you may do so at the APS Registration Desk until noon on Thursday.

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