64th ANNUAL SCIENTIFIC MEETING
MARCH 1 - 4, 2006

Hyatt Denver Convention Center
Denver, CO
Welcome to Denver

The American Psychosomatic Society is an organization devoted to the scientific understanding of the interrelationships among biological, psychological, social, and behavioral factors in human health and disease, and to foster the application of this understanding in education and improved health care.

The American Psychosomatic Society welcomes you to its 64th Annual Scientific Meeting. The theme of this year’s meeting is Neuroscience, with 20-25% of the meeting content devoted to this area. Our hope is that attending this meeting will provide the opportunity for scientists and clinicians in psychiatry, cardiology, psychology, nursing, internal medicine, and epidemiology to learn about state-of-the-art research and techniques that further psychosomatic medicine.

Enjoy the meeting and your time in Denver, the Mile High City. With over 300 days of sunshine a year, Denver is an outdoor paradise. This clean, young, exciting city has a walkable downtown filled with 300 restaurants, three new stadiums (for seven professional sports teams), great shopping, fun night-life and even a downtown amusement park.

Meeting Objectives

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

1) Understand and analyze the neurobiology of emotion regulation and depression and its implications for treatment of mood and anxiety disorders;
2) Identify and evaluate links between clinical depression and sudden cardiac disease, including the neurobiology that underlies this relationship;
3) Describe the neurobiology of pain and understand its implications to symptom reporting and treatment of pain disorders;
4) Integrate psychological and behavioral correlates of cancer and cardiovascular disease, as well as barriers to treatment compliance;
5) Measure and recommend best practices for adjunctive treatment of psychological and behavioral correlates of cancer and cardiovascular disease;
6) Recognize biological mechanisms that influence responses to cognitive and behavioral interventions;
7) Assess the outcomes and implications of behavioral trials for depression in patients with coronary heart disease;
8) Distinguish the social and biological pathways linking race and socio-economic status to health and disease;
9) Evaluate the importance of sleep and social relationships to health and functioning;
10) Identify and measure the neurobiological, immune and endocrine pathways that link maternal stress to pregnancy, fetal and infant health outcomes;
11) Compare and contrast the mechanisms through which chronic stress influences health;
12) Define state-of-the-art measures for evaluating clinical trials data;
13) Recommend methods of presenting research results in manuscripts and grant proposals.

Richard D. Lane, MD, PhD
President

Martica Hall, PhD
Program Committee Chair
Meeting Information

Sponsors
APS would like to thank the following sponsors for their financial contributions to help support various activities during this meeting: National Institutes of Health; Jack D. Barchas, MD; Donald Oken, MD; family of Alvin P. Shapiro, MD; family and friends of Herbert Weiner, MD; The Cousins Center for Psychoneuroimmunology at the UCLA Neuropsychiatric Institute; and Donors to the APS Fund.

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 or by contacting the American Psychosomatic Society, 6728 Old McLean Village Drive, McLean, VA 22101, USA (703) 556-9222, FAX (703) 556-8729, info@psychosomatic.org; www.psychosomatic.org.

Continuing Education
This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of The National Institutes of Health/Foundation for Advanced Education in the Sciences (NIH/FAES) and the American Psychosomatic Society. The NIH/FAES is accredited by the ACCME to provide continuing medical education for physicians.

The NIH/FAES designates this educational activity for a maximum of 28 AMA PRA Category 1 Credits.™ Physicians should only claim credit commensurate with the extent of their participation in the activity.

The National Institutes of Health (NIH) is approved by the American Psychological Association to offer continuing education for psychologists. The NIH maintains responsibility for the program. This conference carries 28 CE credits.

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. Attendees should plan to take advantage of this opportunity to see the latest publications on a wide range of topics. Stop by the showcase while attending the APS meeting. *Note to authors and editors:* All publications, and the security for them, are the responsibility of the person displaying the publications.

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, the Program Committee has 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 Registration Desk
The APS registration desk will be open daily. Hours will be posted.
Exhibitors
APS welcomes the following exhibitors to our meeting. We encourage attendees to stop by their table:

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

**VivoMetrics** provides continuous ambulatory monitoring products and services to improve the speed, outcomes and economics of pharmaceutical research. VivoMetrics also provides tools to assist academic researchers in discovering new diagnostic signatures of disease for use in pharmaceutical trials.

**Alpha Health Systems** is a distributor of the Alpha-Stim – an FDA registered electromedical which treats depression, anxiety, insomnia and pain. And HeartMath’s Freeze-Framer, an interactive biofeedback system with patented heart rhythm monitor.

**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.

APS Business Meeting
The APS Business Meeting is open to all members. The meeting will take place Saturday morning from 9:00 - 9:45am. 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.

How to Cite your Abstract
The January/February 2006 (volume 68, number 1) on-line issue of *Psychosomatic Medicine* contains the 2006 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 68, Number 1 and the page number in which your abstract appears. Note each page number appears with the letter A in front of the page number.

Poster Sessions
Before each abstract number and title listed in the program, you will see a number. These represent 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.

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 during the annual meeting, and possibly establish an on-going relationship thereafter. Those who indicated an interest in this program should have received a packet of information indicating who your mentor/mentee is. Mentees participating should be seeking career advice/guidance. 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 also be hosting a Mentor/Mentee cocktail reception on Thursday evening at 6:30pm for those participating in this program.

Student/Trainee Dinner
Again this year, students attending the APS meeting have been invited to attend a dinner following the Mentor/Mentee Reception, on Thursday, March 2 at Marlowe’s Restaurant, located in downtown Denver at the 16th Street Mall and Glenarm. Individuals will be responsible for their own transportation and the $25US cost of the meal - please stop by the APS registration desk if you are interested in attending. It will be a great opportunity to network with other students! *All students are invited to participate in this dinner event--you do not need to be registered for the Mentoring Program to attend.*
Awards and Special Recognition

APS Scholar Awards

For the past eight years APS has awarded APS Scholar Awards to trainees who are conducting research. This year APS will award 25 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:

Jeremy Anderson, MA, Abstract # 1603, INFLUENCE OF CULTURE ON CARDIOVASCULAR RESPONSE TO ANGER, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Janet Baker, MSc, Abstract # 1137, AN INVESTIGATION INTO LIFE EVENTS AND DIFFICULTIES, COPING STYLE AND PATTERNS OF EMOTIONAL EXPRESSION IN WOMEN WITH FUNCTIONAL VOICE DISORDERS (FVD), presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Jennifer Bernard, BA, Abstract # 1182, POSTTRAUMATIC GROWTH IN HISPANIC AND CAUCASIAN WOMEN WITH CERVICAL CANCER, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Kavita Chandwani, MD, MPH, Abstract #1143, A RANDOMIZED CONTROLLED TRIAL OF YOGA FOR WOMEN WITH BREAST CANCER UNDERGOING RADIATION TREATMENT, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

A. Cordes, Dipl.-Psych, Abstract # 1549, PSYCHOPHYSIOLOGY OF HEART FAILURE: A KEY ROLE OF VITAL EXHAUSTION (VE)? RESULTS FROM THE MEDVIP 1- YEAR FOLLOW-UP, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Dolf de Boer, MSc, Abstract # 1515, COLLOID OSMOTIC PRESSURE AS A MECHANISM FOR RECOVERY FROM MENTAL STRESS-INDUCED HEMOCONCENTRATION, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Jennifer Graham, PhD, Abstract # 1610, PSYCHOSOCIAL PREDICTORS OF MARITAL STRESS-INDUCED IMPAIRMENT OF WOUND HEALING, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Jeffrey Greeson, MS, Abstract # 1178, PSYCHOLOGICAL DISTRESS AND HIV PATHOGENESIS: ROLE OF CYTOTOXIC T-CELL ACTIVATION AND INFLAMMATORY CYTOKINE PRODUCTION, presented in the Cancer & HIV: Biological, Psychological and Social Correlates Paper Session, Thursday from 12:45-2:45pm.

Melissa Griffin, BSc, Abstract # 1061, PERCEIVED CONTROL AND IMMUNE AND PULMONARY OUTCOMES IN CHILDREN WITH ASTHMA, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Roger Jou, MD, Abstract # 1663, BRAINSTEM VOLUMETRIC ALTERATIONS IN CHILDREN AND ADOLESCENTS WITH PERVERSIVE DEVELOPMENTAL DISORDER, presented in the Poster Session II, Friday from 5:15-6:30pm.

Carissa Low, PhD, Abstract # 1327, COPING PROCESSES, SPIRITUAL WELL-BEING, AND HEART RATE VARIABILITY AMONG BREAST CANCER SURVIVORS, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Qian Lu, PhD, Abstract # 1439, HOW HEALTH BENEFITS OF EXPRESSIVE WRITING VARY AS A FUNCTION OF WRITING INSTRUCTIONS, ETHNICITY, AND PERSONALITY, presented in the Theory To Practice In Expressive Writing Interventions: Effects Of Experimental Context And Participant Attributes Symposium, Saturday from 2:15-3:15pm.

Beth Mechlin, BS, Abstract # 1155, ALLOPREGNANOLONE, ETHNICITY, AND PAIN SENSITIVITY, presented in the Biological and Genetic Pathways in Disease Paper Session, Saturday from 3:30-5:00pm.
APS Scholar Awards continued

Yoshiya Moriguchi, MD, Abstract # 1493, THE NEURAL NETWORK OF MIRROR NEURON SYSTEM AND MENTALIZING IN ALEXITHYMIA, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Urs Nater, PhD, Abstract # 1560, DETERMINANTS OF DIURNAL COURSE OF SALIVARY ALPHA-AMYLASE ACTIVITY, presented in the Salivary Alpha Amylase: Novel Biomarker of Stress or a Marker in Search of Meaning? Symposium, Thursday from 10:00-11:30am.

Michele Okun, PhD, Abstract # 1597, SLEEP DISTURBANCE AND NATURAL KILLER CELL ACTIVITY IN CAREGIVERS, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Michael Rapp, MD, PhD, Abstract # 1423, POST-ACS DEPRESSION IS ASSOCIATED WITH CEREBRAL DEEP WHITE MATTER CHANGES, presented in the Depression and Disease Paper Session, Saturday from 1:15-3:15pm.

Alison Shea, MSc, Abstract # 1565, MATERNAL DEPRESSION AND SALIVARY ALPHA AMYLASE RESPONSE TO STRESS IN THEIR INFANTS, presented in the Salivary Alpha Amylase: Novel Biomarker of Stress or a Marker in Search of Meaning? Symposium, Thursday from 10:00-11:30am.

Beate Stanske, Dr. Med, Abstract # 1533, PSYCHOSOCIAL AND BIOLOGICAL DETERMINANTS OF DEPRESSIVE SYMPTOMS IN PATIENTS WITH RISK FACTORS FOR CONGESTIVE HEART FAILURE (CHF)-THE MEDVIP STUDY GROUP, presented in the Clinical CVD: Biological, Psychological and Social Correlates Paper Session, Friday from 1:30-3:30pm.

Hideaki Suzuki, BS, Abstract # 1682, BRAIN ACTIVATION CORRELATED WITH CHANGES IN HEART RATE AND AUTONOMIC FUNCTIONS DURING RECTAL DISTENTION, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

A. Janet Tomiyama, MA, Abstract # 1175, DIETING PREDICTS DAILY STRESS, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Ranak Trivedi, MA, Abstract # 1485, PSYCHOSOCIAL PREDICTORS OF HOSPITALIZATIONS IN CONGESTIVE HEART FAILURE PATIENTS, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Lukas Van Oudenhove, MD, Abstract # 1300, DETERMINANTS OF SYMPTOMS IN FUNCTIONAL DYSPEPSIA, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Nicole Vogelzangs, MSc, Abstract # 1217, PSYCHOLOGICAL STRESS AND METABOLIC SYNDROME IN THE ELDERLY, presented in the Citation Poster Session, Wednesday from 6:15-7:15pm.

Lina Wiedemar, MS, Abstract # 1054, PREVALENCE OF PTSD AND PREDICTORS OF POSTTRAUMATIC STRESS IN FIRST-TIME MYOCARDIAL INFARCTION PATIENTS, presented in the Poster Session I, Thursday from 5:15-6:30pm.

APS Travel Awards for Young Neuroscientists

Since this year’s meeting theme is Neuroscience, we launched an application process to bring young neuroscientists to the meeting who seek to apply neuroscientific methods to advance understanding of causes and development of systemic medical disorders. Each award provides monetary assistance for conference fees, travel and hotel accommodations. We are pleased to announce the 10 winners of these travel awards:

Larry Brooks, University of Miami
Tony Buchanan, University of Iowa College of Medicine
Luana Colloca, University of Turin, Italy
David Creswell, University of California Los Angeles
Naomi Eisenberger, University of California Los Angeles
Diana Eldreth, University of Maryland
John Graef, Wake Forest University School of Medicine
Sahib Khalsa, University of Iowa
Sara Master, University of California Los Angeles
Jackie Micklewright, Georgia State University
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 for free! Scholarships provide monetary assistance for travel and hotel accommodations, free meeting registration, plus one year of free membership! We are pleased to announce the 25 winners of these scholarships:

Silvana Barone, BSc, University of Montreal, Canada
Patrick Blake, BA, Cleveland Clinic Lerner College of Medicine
Adomas Bunevicius, BS, Kaunas University of Medicine, Lithuania
Jason P. Caplan, MD, Harvard Longwood Psychiatry Residency Training Program
Sandra Demaries, MD, McGill University
Neil A. Harrison, MBBS, BSc, Institute of Cognitive Neuroscience, London
Takuya Hasegawa, MD, Queen’s University
Vinayak A. P. Hegde, MD, The Western Pennsylvania Hospital
Jeffrey Aaron Horn, MD, PhD, Carnegie Mellon University
Nosheen Javed, MD, Western Pennsylvania Hospital
Rebekah Kaplowitz, MD, VA Boston Healthcare System
Matheen A. Khuddus, MD, University of Florida Health Science Center
Paul Koch, BA, Cleveland Clinic Lerner College of Medicine
Meghan Kolodziej, MD, Harvard Longwood Psychiatry Training Program
Ian Kronish, MD, Mount Sinai School of Medicine
Howard Liu, MD, University of Michigan Health System
David B. Merrill, MD, New York State Psychiatric Institute and Columbia University Medical Center
Michelle Nichols, MD, Washington University
Manuel Paz-Yepes, MD, Mount Sinai School of Medicine
Karran Phillips, MD, Johns Hopkins School of Medicine
Gregory Sayuk, MD, Washington University
Bernadette M. Stevenson, MD, PhD, University of Miami- Miller School of Medicine
David J. Wolfe, MD, MPH, Harvard Longwood Psychiatry Residency Training Program
Fahd Zarrouf, MD, West Virginia University
Jianping Zhang, PhD, The Cleveland Clinic Foundation
Donald Oken Fellowship

This new fellowship was created for the purpose of bringing a C-L psychiatrist or internist to the APS annual meeting each year. The person chosen 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 first award will be given to Elizabeth Lin, MD, MPH, from the Center for Health Studies, Group Cooperative, Seattle, WA. Dr. Lin will be presenting a poster during the Citation Poster Session (Display # 45, Abstract #1808). She will also be leading a Roundtable Lunch on Saturday, “Can Depression Treatment Improve Co-existing Medical Illnesses?”

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 two individuals: Valeska Marinho, MD of Ruobe Janeiro, Brazil and Hyun-Gyun Son, MD, PhD of Seoul, Korea.

Career Development Programming Highlights

**Wednesday, March 1**
2:00-5:00pm  
Career Development Workshop, Chair: Tené T Lewis

**Thursday, March 2**
11:30am-12:45pm  
Roundtable 4: BUILDING A CAREER IN BEHAVIORAL/PSYCHOSOMATIC MEDICINE FROM AN MD’S PERSPECTIVE, Redford Williams, David Kupfer and Michael Irwin

6:30-7:30pm  
Mentor/Mentee Reception

7:30pm  
Student/Trainee Dinner (see page 5)

**Friday, March 3**
12:15-1:30pm  
Roundtable 9: UPDATES FROM PSYCHOSOMATIC MEDICINE INTEREST GROUPS: HOW WE FEED THE FIRE, Lawson Wulsin

6:30-7:30pm  
Student/Trainee Social Hour

**Saturday, March 4**
12:00-1:15pm  
Roundtable 10: EARLY CAREER AWARD MECHANISMS Paige McDonald, Jill Cyranowski, Tené Lewis, Mercedes Rubio
Practice-Relevant Abstracts

The following abstracts have been selected as having the highest potential to change clinical practice from the perspective of screening, diagnosis or treatment.

**Wednesday, March 1**
6:15-7:15pm Citation Poster Session

4) Abstract Number 1175, DIETING PREDICTS DAILY STRESS, A. Janet Tomiyama

8) Abstract Number 1683, ETHNICITY IS ASSOCIATED WITH ALTERATIONS IN OXYTOCIN CONCENTRATIONS AND RELATIONSHIP TO PAIN SENSITIVITY IN WOMEN, Susan S. Girdler

18) Abstract Number 1312, SOCIAL SUPPORT AND RESOLUTION OF ACUTE RESPIRATORY ILLNESS, Sara K Levin

29) Abstract Number 1485, PSYCHOSOCIAL PREDICTORS OF HOSPITALIZATIONS IN CONGESTIVE HEART FAILURE PATIENTS, Ranak Trivedi

35) Abstract Number 1733, EFFECTS OF PREDONATION WATER LOADING ON SELF-REPORTED AND ACTUAL VASOVAGAL REACTIONS IN NOVICE BLOOD DONORS, Steve Patterson

44) Abstract Number 1137, AN INVESTIGATION INTO LIFE EVENTS AND DIFFICULTIES, COPING STYLE AND PATTERNS OF EMOTIONAL EXPRESSION IN WOMEN WITH FUNCTIONAL VOICE DISORDERS (FVD), Janet Baker

**Thursday, March 2**

10:00-11:30am Symposium 1220, MINDFULNESS-BASED INTERVENTIONS IN PSYCHOSOMATIC MEDICINE: A GENERIC APPROACH TO HELP PATIENTS COPE WITH CHRONIC DISORDER?, Chair: Paul Grossman

12:45-2:45pm Paper Session, Abstract Number 1738, PERSONALITY AND HIV: THE RELATIONSHIP BETWEEN NEO-PI-R PERSONALITY DOMAINS AND FACETS AND DISEASE PROGRESSION IN HIV OVER 4 YEARS, Gail Ironson

3:00-4:00pm Symposium 1346, RECENT CLINICAL TRIALS FOR DEPRESSION IN PATIENTS WITH CORONARY HEART DISEASE, Chair: Nancy Frasure-Smith

Symposium 1687, BREATHING TRAINING AS A PSYCOBIOLOGICAL INTERVENTION FOR ANXIETY DISORDER AND ORGANIC DISEASE, Chair: Thomas Ritz

4:15-5:15pm Symposium 1153, THE USE OF NON-INVASIVE ELECTROGASTROGRAPHY (EGG) IN STUDIES OF BRAIN-GUT INTERACTIONS: PHYSIOLOGICAL BASIS, PSYCHOPHYSIOLOGICAL RELATIONSHIPS, AND CLINICAL APPLICATIONS, Max Levine

5:15-6:30pm Poster Session I

12) Abstract Number 1054, PREVALENCE OF PTSD AND PREDICTORS OF POST-TRAUMATIC STRESS IN FIRST-TIME MYOCARDIAL INFARCTION PATIENTS, Lina Wiedemar

**Friday, March 3**

1:30-3:30pm Symposium 1151, SLEEP IN PSYCHOSOMATIC RESEARCH: RISK FACTORS, CONSEQUENCES TO HEALTH, AND BEHAVIORAL INTERVENTIONS, Chair: Martica Hall

Paper Session, Abstract Number 1695, PRO-INFLAMMATORY RESPONSES TO MENTAL STRESS AND EXERCISE IN CARDIAC PATIENTS FOLLOWING SUCCESSFUL CORONARY ANGIOPLASTY, Willem J. Kop

3:45-5:15pm Symposium 1467, JOHN HENRYISM AND HEALTH OUTCOMES AMONG AFRICAN-AMERICANS: A RECONCEPTUALIZATION, Chair: Sherman A. James

Paper Session, Abstract Number 1206, PHYSICAL FITNESS ATTENUATES LEUKOCYTE-ENDOTHELIAL ADHESION IN RESPONSE TO ACUTE PHYSICAL STRESS, Paul J Mills

Paper Session, Abstract Number 1450, BLUNTED CENTRAL SEROTONERGIC RESPONSIVITY IS ASSOCIATED WITH PRECLINICAL VASCULAR DISEASE, Matthew F. Muldoon
Practice-Relevant Abstracts continued

Saturday, March 4
5:00-6:15pm
Poster Session III

238) Abstract Number: 1570, A QUASI-CONTROLLED STUDY OF THE USE OF A BEHAVIORAL MEDICINE GROUP PROGRAM AMONG HIGH-UTILIZING, SOMATIZING PATIENTS IN TWO PRIMARY CARE PRACTICES, Steven Locke

Neuroscience Presentations

Highlighted below are those presentations that relate to this year’s meeting theme: Neuroscience. We used a strict definition of neuroscience involving direct measurement of CNS function when selecting these presentations to highlight.

Wednesday, March 1
8:00am-5:00pm
Neuroscience Pre-Conference Workshop: NEUROSCIENTIFIC METHODS AND THEIR APPLICATION TO RESEARCH IN PSYCHOSOMATIC MEDICINE, Chair, Richard D. Lane; Presenters: Ralph Adolphs, Hugo Critchley, Wayne Drevets

6:15-7:15pm
Citation Poster Session

25) Abstract # 1331, DIASTOLIC BLOOD PRESSURE REACTIVITY DURING WORKING MEMORY RELATES DIRECTLY TO AMYGDALA rCBF ACTIVATION, Dick Jennings

34) Abstract # 1682, BRAIN ACTIVATION CORRELATED WITH CHANGES IN HEART RATE AND AUTONOMIC FUNCTIONS DURINGRECTAL DISTENTION, Hideaki Suzuki

49) Abstract # 1359, CHANGES IN BRAIN GLUCOSE METABOLISM AFTER COGNITIVE-BEHAVIOR THERAPY IN PATIENTS WITH PANIC DISORDER, Yojiro Sakai

53) Abstract # 1493, THE NEURAL NETWORK OF MIRROR NEURON SYSTEM AND MENTALIZING IN ALEXITHYMIA, Yoshiya Moriguchi

Thursday, March 2
8:15-9:00am
President’s Award Lecture, FUNCTIONAL NEUROIMAGING INSIGHTS INTO BRAIN-BODY INTERACTIONS: CENTRAL AUTONOMIC INTEGRATION IN HEALTH AND ILLNESS, Presenter: Hugo D. Critchley

12:45-2:45pm
Invited Symposium, THE ROLE OF THE BRAIN IN MEDIATING THE ESTABLISHED LINK BETWEEN DEPRESSION AND CARDIAC MORTALITY, Chair: Richard Lane; Presenters: Hugo Critchley, Wayne Drevets, Nancy Frasure-Smith, John Gottdiener Discussant: David Kupfer

Symposium 1266, Individual Abstract 1304, MAO-UVNTR IS RELATED TO CNS SEROTON-ERGIC FUNCTION, GLUCOSE METABOLISM, BMI AND HOSTILITY, Richard Surwit

4:15-5:15pm
Symposium 1236, IMMUNE-TO-BRAIN COMMUNICATION: THE INFLUENCE OF CYTOKINES ON BRAIN ACTIVITY AND COGNITIVE FUNCTION, Chair: Anna L. Marsland

5:15-6:30pm
Poster Session I

3) Abstract # 1730, FUNCTIONAL BRAIN NETWORKS DURING EXPERIENCE AND ANTICIPATION OF VISCERAL DISCOMFORT IN IRRITABLE BOWEL SYNDROME (IBS), Jennifer Labus

47) Abstract # 1543, SEROTONIN SYNTHESIS EVALUATION WITH alpha-METHYL-L-TRYPTOPHAN IMAGING, Mirko Diksic
Neuroscience Presentations continued

**Friday, March 3**

8:00-8:50am  **Presidential Address**, NEURAL SUBSTRATES OF IMPLICIT AND EXPLICIT EMOTIONAL PROCESSES: A UNIFYING FRAMEWORK FOR PSYCHOSOMATIC MEDICINE, Richard D. Lane

9:00-11:00am  **Invited Plenary**, THE BRAIN IN PAIN: WHY DOES THE GHOST OF DESCARTES STILL HAUNT US?, Stuart Derbyshire

11:15am-12:15pm  **Invited Plenary**, FUNCTIONAL NEUROANATOMY AND PSYCHOPHYSIOLOGY OF EMOTION REGULATION, James Gross

12:15-1:30pm  **Roundtable Lunch #8**, HOW TO OPTIMIZE COLLABORATION IN NEUROSCIENTIFIC RESEARCH, Mary-Frances O'Connor, Richard Lane, Pete Gianaros and Scott Matthews

1:30-3:30pm  **Invited Symposium**, BRAIN MECHANISMS OF PAIN FROM A PSYCHOSOMATIC MEDICINE PERSPECTIVE, Chair/Discussant: Frank Keefe; Presenters: Stuart Derbyshire, Jon-Kar Zubieta, Fabrizio Benedetti

3:45-5:15pm  **Paper Session**, Abstract # 1450, BLUNTED CENTRAL SEROTONERGIC RESPONSIVITY IS ASSOCIATED WITH PRECLINICAL VASCULAR DISEASE, Matthew F. Muldoon

5:15-6:30pm  **Poster Session II**

144) Abstract # 1354, AN FMRI INVESTIGATION OF MINDFULNESS AND AFFECT REGULATION, J. David Creswell

169) Abstract # 1663, BRAINSTEM VOLUMETRIC ALTERATIONS IN CHILDREN AND ADOLESCENTS WITH PERVERSIVE DEVELOPMENTAL DISORDER, Roger J. Jou

180) Abstract # 1378, BRAIN POTENTIALS IN EATING DISORDERS: DIFFERENTIAL MEMORY EFFECTS FOR FOOD AND NON-FOOD WORDS, Friedhelm Lamprecht

184) Abstract # 1656, FUNCTIONAL MAGNETIC RESONANCE IMAGING STUDY OF COGNITIVE FLEXIBILITY IN ANOREXIA NERVOSA USING THE WISCONSIN CARD SORTING TEST: A PRELIMINARY STUDY, Yasuhiro Sato

**Saturday, March 4**

1:15-3:15pm  **Symposium 1145**, NEUROIMAGING OF AUTONOMIC-CARDIAC REACTIVITY IN HEALTH AND DISEASE, Chair: Peter Gianaros

**Paper Session**, Abstract # 1423, POST-ACS DEPRESSION IS ASSOCIATED WITH CEREBRAL DEEP WHITE MATTER CHANGES, Michael A. Rapp

3:30-5:00pm  **Paper Session**, Abstract # 1274: HUMAN CHOLINE TRANSPORTER GENE VARIATION IS ASSOCIATED WITH CORTICOLIMBIC REACTIVITY AND AUTONOMIC CARDIAC FUNCTION, Serina A. Neumann
**Data Blitz**

Eight leading scientists will present their findings during a 25 minute “blitz” Wednesday evening. Each will have 1-2 minutes to present his/her findings, and will be allowed to show a maximum of two slides. 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 either during the Citation Poster Session or a Paper Session. The participants in this year’s data blitz are:

- **Emma Adam.** Abstract # 1757, DAY-TO-DAY DYNAMICS OF NATURALISTIC MOOD-CORTISOL ASSOCIATIONS IN A POPULATION-BASED SAMPLE OF OLDER ADULTS, presented in the Hormonal and Hemotologic Responding: Dynamics and Predictors Paper Session, Thursday, March 2 from 3:00-4:00pm.

- **Kavita Chandwani.** Abstract #1143, A RANDOMIZED CONTROLLED TRIAL OF YOGA FOR WOMEN WITH BREAST CANCER UNDERGOING RADIATION TREATMENT, presented in the Citation Poster Session, Wednesday, March 1 from 6:15-7:15pm.

- **Susan Everson-Rose.** Abstract # 1086, DEPRESSIVE SYMPTOMS AND INTRA-ABDOMINAL FAT IN CAUCASIAN AND AFRICAN-AMERICAN WOMEN AT MID-LIFE, presented in the Depression and Disease Paper Session, Saturday, March 4 from 1:15-3:15pm.

- **Willem Kop.** Abstract # 1695, PRO-INFLAMMATORY RESPONSES TO MENTAL STRESS AND EXERCISE IN CARDIAC PATIENTS FOLLOWING SUCCESSFUL CORONARY ANGIOPLASTY, presented in the Clinical CVD: Biological, Psychological and Social Correlates Paper Session, Friday, March 3 from 1:30-3:30pm.

- **Isabell Purdy.** Abstract # 1632, EVALUATING PERINATAL GLUCOCORTICOIDS AND PSYCHONEUROIMMUNOLOGY OF PRETERM INFANTS BEHAVIORAL DEVELOPMENT, presented in the Biological, Social and Psychological Correlates of Disease Outcomes in Infancy Through Adolescence Paper Session, Saturday, March 4 from 3:30-5:00pm.

- **Tim Smith.** Abstract # 1731, MARITAL CONFLICT BEHAVIOR AND CORONARY ARTERY CALCIFICATION, presented in CVD: Risk Factors, presented in the Paper Session Friday, March 3 from 3:45-5:15pm.

- **Lydia Temoshok.** Abstract # 1740, PRELIMINARY EVIDENCE FOR PARALLEL DYSREGULATION ACROSS COPING, IMMUNE, AND PHYSIOLOGICAL RESPONSE SYSTEMS IN PATIENTS FROM AN HIV PRIMARY CARE CLINIC, presented in Cancer & HIV: Biological, Psychological and Social Correlates, presented in the Paper Session, Thursday, March 2 from 12:45-2:45pm.

- **Viola Vaccarino.** Abstract # 1545, Depressive Symptoms and Homocysteine: The Twins Heart Study, presented in Biological and Genetic Pathways in Disease Paper Session, Saturday, March 4 from 3:30-5:00pm.

**New Program Feature: Symposia and Linked Roundtable Luncheons**

This year we are offering three linked symposia and roundtable luncheons, which will be facilitated by symposia faculty. Meeting attendees who would like the opportunity for in-depth discussion of topics and issues raised during symposia presentations should register for a linked roundtable luncheon. Symposia with linked roundtable luncheons include:

- **Thursday, March 2, 10:00 – 11:30am Symposia are linked to Roundtable Luncheons from 11:30am - 12:45pm**

  **Symposium 1220:** Mindfulness-Based Interventions In Psychosomatic Medicine: A Generic Approach to Help Patients Cope with Chronic Disorder? is linked to Roundtable #1.

  **Symposium 1101:** Psychobiology of Social Relationships, Stress Protection and Disease Processes: Role of Oxytocin is linked to Roundtable #2.

  **Symposium 1558:** Salivary Alpha Amylase: Novel Biomarker of Stress or a Marker in Search of Meaning? is linked to Roundtable #3.
## Program-at-a-Glance

**Wednesday, March 1, 2006**

<table>
<thead>
<tr>
<th>7:00am</th>
<th>Registration Opens</th>
<th>Capitol Ballroom Foyer</th>
</tr>
</thead>
</table>
| 8:00am-5:00pm   | Neuroscience Pre-Conference Workshop: Neuroscientific Methods and their Application to Research in Psychosomatic Medicine  
*Chair: Richard Lane; Presenters: Ralph Adolphs, Hugo Critchley, and Wayne Drevets*  
*Mineral Hall F-G*  
*Best Practices Workshop*  
*Chair: Gail Ironson; Presenters: Ken Freedland, Judy Skala, Karen Weis, and Lorenzo Cohen*  
*Mineral Hall A*  
*Career Development Workshop*  
*Chair: Tené T. Lewis; Presenters: Alan Christensen, Susan Everson-Rose, William Gerin, Jane Leserman, Gregory Miller, and Paul Mills*  
*Mineral Hall B-C*  
*Advanced Statistics Workshop*  
*Joseph E. Schwartz*  
*Mineral Hall D-E*  
| 5:30-6:15pm     | Welcome and Announcements  
*Martica Hall*  
*Data Blitz*  
*Susan Lutgendorf*  
*Awards*  
*Mark Lumley, Michael Irwin, Paul Mills, Joshua Smyth, and William Lovallo*  
*Capitol Ballroom 5-7*  
| 6:15-7:15pm     | Cocktail Reception and Citation Poster Session  
*Capitol Ballroom 1-4*  
| 7:15-8:15pm     | Just Desserts Fundraising Event  
(By invitation)  
*Quartz Room*  
<p>|</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00-8:00am</td>
<td>Breakfast Roundtable: Who is missing? Preparing for the occurrence of missing data in research, Maria Magdalena Llabre</td>
<td>Agate C</td>
</tr>
<tr>
<td>8:15-9:00am</td>
<td>President’s Award Lecture: Functional Neuroimaging Insights Into Brain-Body Interactions: Central Autonomic Integration in Health &amp; Illness, Hugo D Critchley</td>
<td>Capitol Ballroom 5-7</td>
</tr>
<tr>
<td>9:00-9:45am</td>
<td>Herbert Weiner Early Career Award: The Heart &amp; Soul Study, Mary A Whooley</td>
<td>Capitol Ballroom 5-7</td>
</tr>
<tr>
<td>9:45-10:00am</td>
<td>Break</td>
<td>Capitol Ballroom Foyer</td>
</tr>
</tbody>
</table>
| 10:00-11:30am | 3 Concurrent Sessions  
Symposium 1220: Mindfulness-Based Interventions In Psychosomatic Medicine: A Generic Approach to Help Patients Cope with Chronic Disorder? | Mineral Hall D-E |
| 11:30am-12:45pm | Lunch on your own OR Roundtables  
Roundtable 1: Mindfulness-Based Interventions In Psychosomatic Medicine, Paul Grossman, Linda Carlson, G Alan Marlatt, and Christopher Coe | Granite A  
Roundtable 3: Salivary Alpha Amylase: Novel Biomarker of Stress or a Marker in Search of Meaning?, Laura Stroud | Agate A  
Roundtable 4: Building a Career in Behavioral/Psychosomatic Medicine from an MD’s Perspective, Redford Williams, David Kupfer, and Michael Irwin | Granite C | Mineral Hall G  
Professional Education Committee | Agate C |
| 12:00-12:45pm | Break | Capitol Ballroom Foyer |
| 12:45-2:45pm | 3 Concurrent Sessions  
Invited Symposium: The Role of the Brain in Mediating the Established Link Between Depression and Cardiovascular Mortality | Mineral Hall D-E  
Symposium 1266: It’s Not The Genes or The Environment, Stupid; It’s The Genes and the Environment, Stupid: Gene By Environment Interactions, Psychosocial Risk Factors & Biobehavioral Mechanisms | Mineral Hall B-C |
| 2:45-3:00pm  | Symposium 1346: Recent Clinical Trials for Depression in Patients with Coronary Heart Disease | Mineral Hall D-E |
| 3:00-4:00pm  | Symposium 1687: Breathing Training as a Psychobiological Intervention for Anxiety Disorder and Organic Disease | Mineral Hall A  
Paper Session: Hormonal and Hemotologic Responding: Dynamics and Predictors (1219,1540,1757,1754) | Mineral Hall B-C |
| 4:00-4:15pm  | 3 Concurrent Sessions  
Symposium 1647: Racism: Risk Factors, Psychosocial Mechanisms, and Cardiovascular Correlates | Mineral Hall B-C |
| 4:15 - 5:15pm | Symposium 1153: The Use of Non-Invasive Electrogastrography (EGG) in Studies of Brain-Gut Interactions... | Mineral Hall A  
Symposium 1236: Immune-To-Brain Communication: The Influence of Cytokines on Brain Activity and Cognitive Function | Mineral Hall D-E |
| 5:15-6:30pm  | Poster Session 1  Capitol Ballroom 1-4 |  
Mentor / Mentee Reception | Agate Room |
| 6:30-7:30pm  |  
Mentor / Mentee Reception  
Agate Room  
(followed by organized trainee dinner) |  
Past Leaders Dinner Meeting |
| 7:30pm       |  
Past Leaders Dinner Meeting | Granite Room |
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00am</td>
<td>Registration Opens</td>
<td>Capitol Ballroom Foyer</td>
</tr>
<tr>
<td>7:00-8:00am</td>
<td>Textbook Committee Meeting</td>
<td>Agate B</td>
</tr>
<tr>
<td>7:00-8:00am</td>
<td>Breakfast Roundtable: Statistical Guidelines for <em>Psychosomatic Medicine</em>, Michael A. Babyak and Kenneth E. Freedland</td>
<td>Agate C</td>
</tr>
<tr>
<td>8:00-8:50am</td>
<td>President’s Address: Neural Substrates of Implicit and Explicit Emotional Processes: A Unifying Framework for Psychosomatic Medicine, Richard D. Lane, APS President</td>
<td>Capitol Ballroom 5-7</td>
</tr>
<tr>
<td>9:00-11:00am</td>
<td>Invited Plenary Symposium: Brain, Mind, and Body: At the Frontiers of Psychosomatic Medicine</td>
<td>3:30-3:45pm</td>
</tr>
<tr>
<td></td>
<td>Chair: Michael Scheier; Presenters: Stuart Derbyshire, David Kupfer, Phil McCabe, and Lynda Powell</td>
<td>Capitol Ballroom 5-7</td>
</tr>
<tr>
<td>11:00-11:15am</td>
<td>Break</td>
<td>Capitol Ballroom Foyer</td>
</tr>
<tr>
<td>11:15am-12:15pm</td>
<td>Invited Plenary: Functional Neuroanatomy and Psychophysiology of Emotion Regulation, James Gross</td>
<td>3:45-5:15pm</td>
</tr>
<tr>
<td></td>
<td>Chair: Michael Scheier; Presenters: Stuart Derbyshire, David Kupfer, Phil McCabe, Lynda Powell</td>
<td>Capitol Ballroom 5-7</td>
</tr>
<tr>
<td>12:15-1:30pm</td>
<td>Lunch on your own OR Roundtables</td>
<td>5:15-6:30pm</td>
</tr>
<tr>
<td></td>
<td>Roundtable 5: Psychosocial factors and diet: mechanisms and outcomes, Lana Watkins, Anastasia Georgiade and Sheila West</td>
<td>Mineral Hall G</td>
</tr>
<tr>
<td></td>
<td>Roundtable 6: Integrative Medicine Research: Challenges and Opportunities, Susan Lutgendorf, Lorenzo Cohen, and Margaret Chesney</td>
<td>Mineral Hall F</td>
</tr>
<tr>
<td></td>
<td>Roundtable 7: Mobilizing to Address Biopsychosocial Consequences of Disaster and Terrorism, Steven Locke, Cheryl Koopman, and Joan Broderick</td>
<td>Granite C</td>
</tr>
<tr>
<td></td>
<td>Roundtable 8: How to Optimize Collaboration in Neuroscientific Research, Mary-Frances O’Connor, Richard Lane, Pete Gianaros, and Scott Matthews</td>
<td>Granite B</td>
</tr>
<tr>
<td>3:30-3:45pm</td>
<td>Break</td>
<td>Capitol Ballroom Foyer</td>
</tr>
<tr>
<td>3:45-5:15pm</td>
<td>Break</td>
<td>Mineral Hall B-C</td>
</tr>
<tr>
<td>5:15-6:30pm</td>
<td>Break</td>
<td>Capitol Ballroom Foyer</td>
</tr>
<tr>
<td>6:00-6:15pm</td>
<td>Break</td>
<td>Capitol Ballroom Foyer</td>
</tr>
<tr>
<td>6:00-9:00pm</td>
<td>Student/Trainee Social Hour</td>
<td>Mineral Hall F</td>
</tr>
<tr>
<td>6:30-7:30pm</td>
<td>Student/Trainee Social Hour</td>
<td>Mineral Hall F</td>
</tr>
<tr>
<td>7:00-8:00am</td>
<td>3 Concurrent Sessions</td>
<td>Mineral Hall A</td>
</tr>
<tr>
<td></td>
<td>Invited Symposium: Brain Mechanisms of Pain from a Psychosomatic Medicine Perspective</td>
<td></td>
</tr>
<tr>
<td>8:00-8:50am</td>
<td>President’s Address: Neural Substrates of Implicit and Explicit Emotional Processes: A Unifying Framework for Psychosomatic Medicine, Richard D. Lane, APS President</td>
<td>Capitol Ballroom 5-7</td>
</tr>
<tr>
<td>9:00-11:00am</td>
<td>Invited Plenary Symposium: Brain, Mind, and Body: At the Frontiers of Psychosomatic Medicine</td>
<td>3:30-3:45pm</td>
</tr>
<tr>
<td></td>
<td>Chair: Michael Scheier; Presenters: Stuart Derbyshire, David Kupfer, Phil McCabe, Lynda Powell</td>
<td>Capitol Ballroom 5-7</td>
</tr>
<tr>
<td>11:00-11:15am</td>
<td>Break</td>
<td>Capitol Ballroom Foyer</td>
</tr>
<tr>
<td>11:15am-12:15pm</td>
<td>Invited Plenary: Functional Neuroanatomy and Psychophysiology of Emotion Regulation, James Gross</td>
<td>3:45-5:15pm</td>
</tr>
<tr>
<td></td>
<td>Chair: Michael Scheier; Presenters: Stuart Derbyshire, David Kupfer, Phil McCabe, Lynda Powell</td>
<td>Capitol Ballroom 5-7</td>
</tr>
<tr>
<td>12:15-1:30pm</td>
<td>Lunch on your own OR Roundtables</td>
<td>5:15-6:30pm</td>
</tr>
<tr>
<td></td>
<td>Roundtable 5: Psychosocial factors and diet: mechanisms and outcomes, Lana Watkins, Anastasia Georgiade and Sheila West</td>
<td>Mineral Hall G</td>
</tr>
<tr>
<td></td>
<td>Roundtable 6: Integrative Medicine Research: Challenges and Opportunities, Susan Lutgendorf, Lorenzo Cohen, and Margaret Chesney</td>
<td>Mineral Hall F</td>
</tr>
<tr>
<td></td>
<td>Roundtable 7: Mobilizing to Address Biopsychosocial Consequences of Disaster and Terrorism, Steven Locke, Cheryl Koopman, and Joan Broderick</td>
<td>Granite C</td>
</tr>
<tr>
<td></td>
<td>Roundtable 8: How to Optimize Collaboration in Neuroscientific Research, Mary-Frances O’Connor, Richard Lane, Pete Gianaros, and Scott Matthews</td>
<td>Granite B</td>
</tr>
<tr>
<td>3:30-3:45pm</td>
<td>Break</td>
<td>Capitol Ballroom Foyer</td>
</tr>
<tr>
<td>3:45-5:15pm</td>
<td>Break</td>
<td>Mineral Hall B-C</td>
</tr>
<tr>
<td>5:15-6:30pm</td>
<td>Break</td>
<td>Capitol Ballroom Foyer</td>
</tr>
<tr>
<td>6:00-6:15pm</td>
<td>Break</td>
<td>Capitol Ballroom Foyer</td>
</tr>
<tr>
<td>6:00-9:00pm</td>
<td>Student/Trainee Social Hour</td>
<td>Mineral Hall F</td>
</tr>
<tr>
<td>6:30-7:30pm</td>
<td>Student/Trainee Social Hour</td>
<td>Mineral Hall F</td>
</tr>
</tbody>
</table>
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 counter. And be sure to attend the Business Meeting for an update on all committee activities.
Scientific Program

Wednesday, March 1, 2006

7:00am
Registration and Continental Breakfast
Capitol Ballroom Foyer

8:00am-5:00pm
Neuroscience Pre-Conference Workshop: Neuroscience Methods and Their Application to Research in Psychosomatic Medicine
Chair: Richard Lane; Presenters: Ralph Adolphs, Hugo Critchley, and Wayne Drevets
Mineral Hall F-G

This pre-conference workshop will introduce the audience to neuroscience methods and their application to research in psychosomatic medicine. Three world-class neuroscientists will participate. Each 90 minute slot will be equally divided between formal presentation and Q&A. The focus is on helping psychosomatic researchers, who are not neuroscientists, to learn about some exciting new and relevant findings, and the methods used to obtain them. The advantages and disadvantages of each method will be discussed.

8:00-9:30am
Ralph Adolphs, Cal Tech, Pasadena, CA
(lesions, electrophysiological recordings; social neuroscience)

9:30-10:00am
Break

10:00-11:30am
Hugo Critchley, Institute of Neurology, London, UK
(fMRI, autonomic measurements; emotion and autonomic regulation)

11:30am-12:30pm
Lunch on your own

12:30-2:00pm
Wayne Drevets, NIMH, Bethesda, MD
(PET for functional and neurochemical measurements; neurobiology of depression)

2:00-2:10 pm
Break

2:10-5:00 pm
Open Discussion

2:00-5:00pm
3 Concurrent Pre-Conference Workshops

Best Practices Pre-Conference Workshop
Chair: Gail Ironson; Presenters: Ken Freedland, Judy Skala, Karen Weish, and Lorenzo Cohen
Mineral Hall A

The workshop will give “state of the art” clinical guidance to people who are seeing patients or are interested in doing clinically oriented research with medical patients. These suggested practices will be based on faculty experience, suggestions from the literature regarding both assessment and treatment, and published clinical standard of care guidelines. This workshop will focus on cancer and cardiovascular patients.

Basic questions will include - What are the psychological issues that cancer/cardiovascular patients face? What should clinicians look for and assess (i.e. depression, anxiety, loss, confusion) at various stages of the illness -(i.e. diagnosis, adjunctive treatment)? Also what psychosocial treatments are available? (i.e. individual or group) Are these treatments helpful?"

Career Development Pre-Conference Workshop
Chair: Tené T. Lewis; Presenters: Alan Christensen, Susan Everson-Rose, William Gerin, Jane Leserman, Gregory Miller, and Paul Mills
Mineral Hall B-C

This workshop will focus on aspects of early career development and is geared towards advanced graduate students, post-doctoral fellow and junior faculty in departments of psychology and psychiatry. The workshop will focus on the “Nuts and Bolts” of building a career in Behavioral Medicine. Established scholars in Behavioral Medicine will cover: 1) Developing a program of research; 2) Getting the training you need (immunology, cardiology, oncology, etc...); 3) Establishing collaborative relationships across disciplines; and 4) Obtaining funding for Behavioral Medicine Research. Faculty will present their own experiences and invite questions and discussion from workshop attendees. During this discussion we will also present issues related to career development in traditional Departments of Psychology vs. Departments of Psychiatry/Medical Schools.
This workshop will introduce participants to the basic concepts underlying multilevel models, demonstrate how traditional RM-ANOVA and MANOVA are special cases of this broader class of models, and illustrate the application of these models to address a wide range of questions that are of interest to psychosomatic medicine researchers. The collection of repeated measures data is common to many study designs used by psychosomatic medicine researchers. For clinical trials in which a few critical assessments are made (e.g., pre-treatment, post-treatment, and one or more follow-ups), traditional repeated measures analysis of variance (RM-ANOVA) and/or MANOVA are commonly used to test for treatment effects. RM-ANOVA and MANOVA are special cases of multilevel models. A common problem with traditional RM-ANOVA and MANOVA is that those subjects who are missing any assessment(s) are excluded from the analysis, thereby completely ignoring the data that these subjects did provide. Multilevel models can be used to perform the same type of analysis on all available assessments because they can readily handle unequal numbers of observations (assessments) per subject. This workshop will demonstrate the application of multilevel models to the analysis of clinical trial data.

Laboratory stress reactivity studies are similar to clinical trials in that physiologic, and sometimes psychological, data are typically collected during a baseline period (pre-stress), during an experimental stressor, and during a recovery period, after the termination of the stressor. In most analyses, the data from such studies are aggregated (averaged) within each period and change scores and/or residualized change scores are analyzed. This workshop will illustrate how multilevel models can be useful for analyzing such data.

The collection of ambulatory data (e.g., 24-hour blood pressure recordings, actigraphy, salivary cortisol) and/or diary data (end-of-day reports, multiple momentary reports per day) in people’s natural settings is becoming more and more common in psychosomatic research. Such data are often aggregated (averaged for each person), and traditional statistical approaches used to analyze between-person differences in the aggregated scores. While there are statistical arguments for why it might be preferable to analyze the raw (unaggregated) data, such analyses usually lead to the same substantive conclusion. However, there are many interesting questions pertaining to the fluctuations within persons that cannot be addressed using aggregated data. This workshop will illustrate how multilevel models (including random coefficients and growth curve models), applied to the raw data, can be used to investigate a variety of such questions.

In summary, this workshop will introduce participants to the basic concepts underlying multilevel models, demonstrate how traditional RM-ANOVA and MANOVA are special cases of this broader class of models, and illustrate the application of these models to address a wide range of questions that are of interest to psychosomatic medicine researchers. Commonly used software for estimating multilevel models will be briefly reviewed and a list of recommended references provided.
Wednesday, March 1, 2006

Conference Events

5:30-6:15pm
Opening Events
Capitol Ballroom 5-7

5:30-5:35pm
Welcome and Announcements
Martica Hall, Program Committee Chair

5:35-6:00pm
Data Blitz
Susan Lutgendorf, Program Committee Member

6:00-6:15pm
Awards
Mark Lumley, Awards Committee Chair
International Travel Assistance Award
Introduced by Michael Irwin
Scholar Awards
Introduced by Paul Mills
Scholarships for MD Students/Residents/Fellows
Introduced by Joshua Smyth
Scholarships for Young Neuroscientists
Introduced by William Lavoisso

6:15-7:15pm
Cocktail Reception and Citation Poster Session
Capitol Ballroom 1-4

1) Abstract 1598
ONE WORKING WEEK OF PARTIAL SLEEP DEPRIVATION AFFECTS SUBJECTIVE HEALTH AND IMMUNE FUNCTION
Mats Lekander, Clinical Neuroscience, Karolinska Institutet, Stockholm, Sweden, Torbjorn Akerstedt, Work and health, National Institute for Psychosocial Medicine, Stockholm, Sweden, Caroline Olgart Hoglund, Department of Medicine, Yvonne Smith, Clinical Neuroscience, Karolinska Institutet, Stockholm, Sweden, John Axelson, Institute of Psychosocial Medicine, Work and Health, Stockholm, Sweden

2) Abstract 1597
SLEEP DISTURBANCE AND NATURAL KILLER CELL ACTIVITY IN CAREGIVERS
Michele L. Okan, Theodore F. Robles, Martica Hall, Psychiatry, University of Pittsburgh Medical Center, Pittsburgh, PA

3) Abstract 1387
SOCIOECONOMIC STATUS PREDICTS SUBJECTIVE AND OBJECTIVE SLEEP QUALITY IN AGING WOMEN

4) Abstract 1175
DIETING PREDICTS DAILY STRESS
A. Janet Tomiyama, Traci Mann, Shelley E. Taylor, Psychology, UCLA, Los Angeles, CA, Lisa Comer, Psychology, University of Northern Colorado, Greeley, CO

5) Abstract 1747
SPIRITUALITY (BUT NOT CHURCH ATTENDANCE) PREDICTS LOWER C-REACTIVE PROTEIN AND BETTER SELF-REPORTED HEALTH IN A SAMPLE OF MEXICAN IMMIGRANTS
Kevin Jordan, Patrick R. Steffen, Psychology, Brigham Young University, Provo, UT

6) Abstract 1737
IN VITRO SUPPRESSION OF CYTOKINE PRODUCTION BY DEXAMETHASONE AND HYDROCORTISONE
Claudine M. Catledge, Lea Vella, David C. Mohr, Mental Health, University of California, San Francisco, San Francisco, CA

7) Abstract 1721
COUNTS OF CIRCULATING PROGENITOR CELLS ARE ASSOCIATED WITH VAGAL TONE
Joachim E. Fischer, Institute of Behavioral Sciences, Swiss Federal Institute of Technology, Zurich, Switzerland, Johannes C. Fischer, Institute for Cell Therapeutics, University of Dusseldorf, Dusseldorf, Germany, Julian F. Thayer, Intramural Research Program, National Institute on Aging, Baltimore, MD

8) Abstract 1683
ETHNICITY IS ASSOCIATED WITH ALTERATIONS IN OXYTOCIN CONCENTRATIONS AND RELATIONSHIP TO PAIN SENSITIVITY IN WOMEN
Susan Girdler, Karen Grewen, Psychiatry, William Maixner, School of Dentistry, Kathleen Light, Psychiatry, University of North Carolina, Chapel Hill, NC

9) Abstract 1617
IMMUNOLOGICAL EFFECTS OF NEGATIVE SELF-FOCUSED EMOTIONS
Roberta A. Mancuso, Psychology, Occidental College, Los Angeles, CA, Margaret Kemeny, Psychology, University of California, San Francisco, San Francisco, CA

10) Abstract 1610
PSYCHOSOCIAL PREDICTORS OF MARITAL STRESS-INDUCED IMPAIRMENT OF WOUND HEALING
Jennifer E. Graham, Institute for Behavioral Medicine Research, Lisa M. Christian, Psychology, Ohio State University, Columbus, OH, Ronald Glaser, Institute for Behavioral Medicine Research, Ohio State University, Columbus, OH, Timothy J. Loving, Psychology, University of Texas at Austin, Austin, TX, William B. Malarkey, Institute for Behavioral Medicine Research, Janice K. Kiecolt-Glaser, Psychiatry, Ohio State University, Columbus, OH

11) Abstract 1585
EXPERIENCE WITH RACISM IS ASSOCIATED WITH ELEVATED CORTISOL LEVELS IN AFRICAN-AMERICANS
Paul J. Mills, Psychiatry, University of California, San Diego (UCSD), San Diego, CA, Vanessa L. Malcarne, Karen L. Clark, Starlyn M. Hawes,
12) Abstract 1441
PROINFLAMMATORY CYTOKINES AND SEVERITY OF CAD
Kaki York, Matheen Khuduss, Qin LI, Roger Fillingim, Chris Arant, Alice Boyette, Robert Kolb, Elaine Beem, Mark Segal, Haihong LI, David Sheps, University of Florida/North Florida South Georgia VA, Gainesville, FL

13) Abstract 1385
COMMUNITY SOCIOECONOMIC INDICATORS AND RISK FOR METABOLIC SYNDROME
K. L. Petersen, J. E. Phillips, Psychology, University of Pittsburgh, Pittsburgh, PA, J. D. Flory, Psychiatry, Mount Sinai School of Medicine, New York, NY, S. A. Neumann, Psychology, M. F. Muldoon, Medicine, S. B. Manuck, Psychology, University of Pittsburgh, Pittsburgh, PA

14) Abstract 1217
PSYCHOLOGICAL STRESS AND METABOLIC SYNDROME IN THE ELDERLY
N Vogelzangs, A Beekman, Psychiatry, VU University Medical Center, Amsterdam, Netherlands, S Kritchevsky, Geriatrics, Wake Forest University, Winston-Salem, NC, A Newson, Epidemiology, University of Pittsburgh, Pittsburgh, PA, M Pahor, Geriatrics, University of Florida, Gainesville, FL, E Simonick, Gerontology Research Center, NIA, Baltimore, MD, K Kuffe, Psychiatry, S Rubin, Epidemiology, University of California, San Francisco, CA, T Harris, Epidemiology, NIA, Bethesda, MD, S Satterfield, Preventive Medicine, University of Tennessee, Memphis, TN, B Penninx, Psychiatry, VU University Medical Center, Amsterdam, Netherlands

15) Abstract 1215
RHEUMATOID ARTHRITIS PATIENTS WITH HIGH LEVELS OF SYSTEMIC INFLAMMATION SHOW INCREASED SYSTEMIC VASCULAR RESISTANCE IN RESPONSE TO ACUTE MENTAL STRESS
Jet Veldhuijzen van Zanten, A Beekman, Psychiatry, VU University Medical Center, Amsterdam, Netherlands, S Kritchevsky, Geriatrics, Wake Forest University, Winston-Salem, NC, A Newson, Epidemiology, University of Pittsburgh, Pittsburgh, PA, M Pahor, Geriatrics, University of Florida, Gainesville, FL, E Simonick, Gerontology Research Center, NIA, Baltimore, MD, K Kuffe, Psychiatry, S Rubin, Epidemiology, University of California, San Francisco, CA, T Harris, Epidemiology, NIA, Bethesda, MD, S Satterfield, Preventive Medicine, University of Tennessee, Memphis, TN, B Penninx, Psychiatry, VU University Medical Center, Amsterdam, Netherlands

16) Abstract 1142
PSYCHOBIOLOGICAL LINKAGE IN ULCERATIVE COLITIS DEPENDS ON AUTOIMMUNE ANTIBODY STATUS
R. G. Maunder, Psychiatry, Gordon R. Greenberg, Gastroenterology, William J. Lancee, Psychiatry, A. Hillary Steinhart, Mark Silverberg, Gastroenterology, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada

17) Abstract 1094
SOCIAL SUPPORT BUFFERS THE EFFECTS OF STRESS ON WOUND HEALING
Lisa M. Christian, Psychology, Ronald Glaser, Institute for Behavioral Medicine Research, William B. Malarkey, Internal Medicine, Janice K. Kiecolt-Glaser, Psychology, The Ohio State University, Columbus, OH

18) Abstract 1312
SOCIAL SUPPORT AND RESOLUTION OF ACUTE RESPIRATORY ILLNESS
Sara K. Levin, Ralph Gonzales, Medicine, Anita L. Stewart, Institute for Health & Aging, University of California, San Francisco, San Francisco, CA, Carlos A. Camargo, Emergency Medicine, Harvard Medical School, Boston, MA, Judith H. Maselli, Medicine, University of California, San Francisco, San Francisco, CA, Ayanna S. Kersey, CHERP, Joshua P Metlay, Medicine, Philadelphia VA Medical Center, Philadelphia, PA

19) Abstract 1061
PERCEIVED CONTROL AND IMMUNE AND PULMONARY OUTCOMES IN CHILDREN WITH ASTHMA
Melissa J. Griffin, Krysta L. Cochrane, Edith Chen, Psychology, University of British Columbia, Vancouver, BC, Canada

20) Abstract 1710
MOMENTARY STATES DIFFERENTIALLY PREDICT ASTHMA SYMPTOM REPORTS AND PEAK EXPIRATORY FLOW IN THE NATURAL ENVIRONMENT
Kristin Heron, Joshua Smyth, Deborah Nazarian, Psychology, Syracuse University, Syracuse, NY

21) Abstract 1465
HEALTH BELIEFS AND BIOLOGICAL OUTCOMES IN CHILDREN WITH ASTHMA
Hope A. Walker, Louise S. Chim, Edith Chen, Psychology, University of British Columbia, Vancouver, BC, Canada

22) Abstract 1257
AUTONOMIC NERVOUS SYSTEM ACTIVITY AS A PREDICTOR OF FATIGUE FOLLOWING EXERCISE WITHDRAWAL
Ali A. Berlin, Medical Psychology, Patricia A. Deuster, Military and Emergency Medicine, Willem J. Kop, Medical Psychology, USUHS, Bethesda, MD

23) Abstract 1216
INTER-OBSERVER RELIABILITY OF A NEW METHOD TO MEASURE ENDOTHELIAL FUNCTION
Jet Veldhuijzen van Zanten, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, United Kingdom, Bernard Meloche, Simon Bacon, Philippe Stebenne, Andre Arsenault, Nuclear Medicine, Montreal Heart Institute, QC, Canada, Kim Lavoie, Department of Psychology, University of Quebec at Montreal (UQAM), QC, Canada

24) Abstract 1594
SUPPRESSED ANGER, CARDIOVASCULAR REACTIVITY, AND EVALUATIVE THREAT: A CLUSTER ANALYTIC PROFILE APPROACH
Randall S. Jorgensen, Psychology, Syracuse University, Syracuse, NY, Monika E. Kolodziej, Psychiatry, McLean Hospital, Harvard University, Belmont, MA

25) Abstract 1331
DIASTOLIC BLOOD PRESSURE REACTIVITY DURING WORKING MEMORY RELATES DIRECTLY TO AMYGDALA RCBF ACTIVATION
J. Richard Jennings, Peter Gianaros, Psychiatry, Matthew Muldoon, Medicine, Carolyn Melzer, Julie Price, Neuroradiology, University of Pittsburgh, Pittsburgh, PA

26) Abstract 1171
EFFECTIVENESS OF A CONSULTATION-LIAISON PSYCHIATRY INTERVENTION IN CORONARY HEART DISEASE
Graca Cardoso, Psychiatry, Hospital Fernando Fonseca, Amadora, Portugal
27) Abstract 1173
PREDICTING BLOOD PRESSURE AND HEART RATE CHANGE WITH CARDIOVASCULAR REACTIVITY AND RECOVERY: RESULTS FROM 3-YEAR AND 10-YEAR FOLLOW-UP
Janine V. Moseley, Wolfgang Linden, Psychology, University of British Columbia, Vancouver, BC, Canada

28) Abstract 1443
THE RELATIONSHIP BETWEEN FATIGUE AND CARDIAC FUNCTIONING
Yasmin A. Dar, Haumana Biomedical Program, University of Hawaii, Honolulu, Hawaii, Richard A. Nelesen, Psychiatry, University of California, San Diego, La Jolla, CA, KaMala S. Thomas, SDSU/UCSD Joint Doctoral Program in Clinical Psych, San Diego State University, La Jolla, CA, Joel E. Dimsdale, Department of Psychology, University of California, San Diego, La Jolla, CA

29) Abstract 1485
PSYCHOSOCIAL PREDICTORS OF HOSPITALIZATIONS IN CONGESTIVE HEART FAILURE PATIENTS

30) Abstract 1515
COLLOID OSMOTIC PRESSURE AS A MECHANISM FOR RECOVERY FROM MENTAL STRESS-INDUCED HEMOCENTRATION
Dolf de Boer, Alex Curlett, Mattr Ridley, Christopher Ring, Douglas Carroll, Sport and Exercise Sciences, University of Birmingham, Birmingham, United Kingdom

31) Abstract 1300
DETERMINANTS OF SYMPTOMS IN FUNCTIONAL DYSPESIA
Lukas Van Oudenhove, Joris Vandenberghe, Philippe Persoons, Koen Demyttenaere, Psychiatry, Brecht Geeraerts, Rita Vos, Jan Tack, Gastroenterology, University of Leuven, Leuven, Belgium

32) Abstract 1603
INFLUENCE OF CULTURE ON CARDIOVASCULAR RESPONSE TO ANGER
Jeremy C. Anderson, Wolfgang Linden, Psychology, University of British Columbia, Vancouver, British Columbia, Canada

33) Abstract 1520
TIME COURSE OF HEMATOCRIT IN RESPONSE TO ISOMETRIC EXERCISE
Dolf de Boer, Christopher Ring, Douglas Carroll, Sport and Exercise Sciences, University of Birmingham, Birmingham, United Kingdom

34) Abstract 1682
BRAIN ACTIVATION CORRELATED WITH CHANGES IN HEART RATE AND AUTONOMIC FUNCTIONS DURING RECTAL DISTENTION
Hideaki Suzuki, Satoshi Watanabe, Toyohiro Hamaguchi, Motoyori Kanazawa, Behavioral Medicine, Tohoku University Graduate School of Medicine, Sendai, Japan, Noriko Oohisa, Clinical Laboratory, Tohoku University Hospital, Sendai, Japan, Mitsuya Matuyama, Tomoyuki Yambe, Institute of Development, Aging and Cancer, Masatoshi Itoh, Cyclotron and Radiosotope Center, Tohoku University, Sendai, Japan, Shin Fukudo, Behavioral Medicine, Tohoku University Graduate School of Medicine, Sendai, Japan

35) Abstract 1733
EFFECTS OF PREDONATION WATER LOADING ON SELF-REPORTED AND ACTUAL VASOVAGAL REACTIONS IN NOVICE BLOOD DONORS
Stephen M. Patterson, Lynne M. Rochette, Christopher R. France, Janis L. France, Psychology, Ohio University, Athens, Ohio, Aaron W. Rudet, Central Ohio Region Blood Services, American Red Cross, Columbus, OH

36) Abstract 1549
PSYCHOPHYSIOLOGY OF HEART FAILURE: A KEY ROLE OF VITAL EXHAUSTION (VE)? RESULTS FROM THE MEDVIP 1-YEAR FOLLOW-UP
A. Cordes, B. Stanske, Psychosomatics, L. Binder, Clinical Chemistry, B. Pieske, Cardiology, M. M. Kochen, General Practice, University of Goettingen, Goettingen, Germany, C. Herrmann-Lingen, Psychosomatic Medicine, University of Marburg, Marburg, Germany

37) Abstract 1571
TRAUMA PREDICTING THE PROGRESSION OR PERSISTENCE OF CERVICAL DISEASE IN WOMEN CO-INFECTED WITH HIV AND HUMAN PAPILLOMAVIRUS(HPV)
Rachel C. Rose, Psychology, University of Miami, Coral Gables, FL, Deidre B. Pereira, Clinical and Health Psychology, University of Florida, Gainesville, FL, Michael H. Antoni, Psychology, University of Miami, Coral Gables, FL

38) Abstract 1574
AFFECTIVE RESPONSES TO EMOTIONAL SUPPORT: IMPACT ON HEALTH BEHAVIORS AND COPING EFFORTS IN HIV+ MEN
Jessica M. Boarts, Erin Fekete, Nathan T. Deichert, Abby Maloney, Jessica Zak, Douglas L. Delahanty, Psychology, Kent State University, Kent, OH

39) Abstract 1576
INFLAMMATION PREDICTS FATIGUE, QOL, AND SLEEP DISTURBANCE DURING CHEMOTHERAPY
Shamini Jain, Sonia Ancoli-Israel, Psychiatry, UC, San Diego, CA, Scott C. Roesch, Psychology, SDSU, San Diego, CA, Loki Natarajan, Biostatistics, Paul J. Mills, Psychiatry, UC, San Diego, CA

40) Abstract 1367
ASSOCIATIONS BETWEEN REPRESSIVE COPING AND ACUTE STRESS DISORDER IN CANCER PATIENTS
Anette F. Pedersen, Robert Zachariae, Anders Bonde Jensen, Hans von der Maase, Department of oncology, Aarhus University Hospital, Aarhus, Denmark, Ore Andersen, Department of infectious diseases, Hvidovre Hospital, Hvidovre, Denmark

41) Abstract 1327
COPIING PROCESSES, SPIRITUAL WELL-BEING, AND HEART RATE VARIABILITY AMONG BREAST CANCER SURVIVORS
Carissa A. Low, Psychology, Julienne E. Bower, Psychiatry and Biobehavioral Sciences, UCLA, Los Angeles, CA, Elissa Epel, Psychiatry, Judith Moskowitz, Osher Center for Integrative Medicine, UCSF, San Francisco, CA
42) Abstract 1182
POSTTRAUMATIC GROWTH IN HISPANIC AND CAUCASIAN WOMEN WITH CERVICAL CANCER
Bruce W. Smith, Jennifer Bernard, Carrie Flanagan, Psychology, University of New Mexico, Albuquerque, New Mexico, Kathy B. Baumgartner, Epidemiology and Clinical Investigation Sciences, University of Louisville, Louisville, KY

43) Abstract 1143
A RANDOMIZED CONTROLLED TRIAL OF YOGA FOR WOMEN WITH BREAST CANCER UNDERGOING RADIATION TREATMENT

44) Abstract 1137
AN INVESTIGATION INTO LIFE EVENTS AND DIFFICULTIES, COPING STYLE AND PATTERNS OF EMOTIONAL EXPRESSION IN WOMEN WITH FUNCTIONAL VOICE DISORDERS (FVD)
Janet Baker, Psychiatry, Flinders University, Adelaide, SA, Australia, David Ben-Tovim, Epidemiology, Flinders Medical Center, Adelaide, SA, Australia, Andrew Batcher, Speech Pathology, Flinders University, Adelaide, South Australia, Australia, Adrian Esterman, Biostatistics, University of SA, Adelaide, SA, Australia, Kristin McLaughlin, Epidemiology, Flinders Medical Center, Adelaide, SA, Australia

45) Abstract 1808
DEPRESSION AND DIABETES - PATHWAYS STUDY

46) Abstract 1201
EVIDENCE FOR ALTERED BIOSYNTHESIS OF PROGESTERONE TO ALLOPREGNANOLONE IN WOMEN WITH HISTORIES OF DEPRESSION
Rebecca R. Klatzkin, Psychology, A. Leslie Morrow, Susan S. Girdler, Psychiatry, University of North Carolina, Chapel Hill, North Carolina

47) Abstract 1282
META-ANALYSIS OF CORTISOL LEVELS DURING DEPRESSION
C. Steiler, G. E. Miller, M. Hill, Psychology, University of British Columbia, Vancouver, BC, Canada

48) Abstract 1325
THE RELATIONSHIP BETWEEN DEPRESSION AND ULCERATIVE COLITIS DISEASE ACTIVITY IS MODERATED BY AUTO-IMMUNE ANTIBODY STATUS AND ATTACHMENT STYLE
R. G. Maunder, J. J. Hunter, W. J. Lancee, Psychiatry, G. R. Greenberg, A. H. Steinhart, M. Silverberg, Gastroenterology, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada

49) Abstract 1359
CHANGES IN BRAIN GLUCOSE METABOLISM AFTER COGNITIVE-BEHAVIOR THERAPY IN PATIENTS WITH PANIC DISORDER
Yojiro Sakai, Masami Nishikawa, Hirosi Kuman, Noriyuki Sakamoto, Makoto Ohtani, Tomifusa Kuboki, Psychosomatic Medicine, University of Tokyo, Tokyo, Japan, Mirko Diksic, Neurology and Neurosurgery, McGill University, Montreal, Quebec, Canada

50) Abstract 1399
THE ASSOCIATIONS AMONG DEPRESSION HISTORY, LIFE STRESS, AND CORONARY ARTERY CALCIFICATION IN MIDLIFE WOMEN.
Joyce T. Bromberger, Epidemiology, Karen A. Matthews, Epidemiology, Psychology, Psychiatry, University of Pittsburgh, Pittsburgh, PA

51) Abstract 1524
CHANGES IN DEPRESSIVE SYMPTOMS PRECEDE CHANGES IN ADHERENCE TO ASPIRIN IN ACUTE CORONARY SYNDROME PATIENTS
Nina Rieckmann, Psychiatry, Ian Kronish, Medicine, Mount Sinai School of Medicine, New York, NY, Francois Léspérance, Department of Psychiatry, Centre Hospitalier de l’Université de Montréal, Montréal, QC, Canada, Matthew M. Burg, William Gerin, Karina W. Davidson, Medicine, Columbia University, New York, NY

52) Abstract 1554
RISK AND PROTECTIVE FACTORS ASSOCIATED WITH MATERNAL DEPRESSIVE SYMPTOMATOLOGY DURING THE EARLY YEARS OF PARENTHOOD
Jenn Leiferman, Preventive Medicine and Biometrics, University of Colorado Health Sciences Center, Denver, CO, Sarah Dauber, Pediatrics, Eastern Virginia Medical School, Norfolk, VA

53) Abstract 1493
THE NEURAL NETWORK OF MIRROR NEURON SYSTEM AND MENTALIZING IN ALEXITHYMIA
Yoshiya Moriguchi, Psychosomatic Research, National Institute of Mental Health, Kodaira, Tokyo, Japan, Takashi Ohnishi, Radiology, Nati Center Hosp of Mental, Nervous & Muscular Dis, Kodaira, Tokyo, Japan, Motonari Maeda, Sagamihara, Kanagawa, Japan, Gen Komaki, Psychosomatic Research, National Institute of Mental Health, Kodaira, Tokyo, Japan

54) Abstract 1602
BIOCHEMICAL AND BEHAVIORAL SIGNS ARE PRESENT IN A POST MYOCARDIAL INFARCT MODEL OF DEPRESSION IN THE RAT
Guy Rousseau, Pharmacology, Université de Montréal, Hôpital du Sacré-Cœur, Montréal, Québec, Canada

55) Abstract 1267
DIABETES, DEPRESSION & A1C: THE ROLE OF SELF-EFFICACY
William P. Sacco, Cathy A. Bykowski, Psychology, University of South Florida, Tampa, FL

7:15–8:15pm
Just Desserts Fundraising Event (By invitation)
Quartz Room
Our way of saying “Thank you” to our new and continuing donors to the APS Fund.
Thursday, March 2, 2006

7:00am
Registration
Capitol Ballroom Foyer

7:00-8:00am
Breakfast Roundtable: Who is missing? Preparing for the Occurrence of Missing Data in Research
Maria Magdalena Llabre
Agate C

It is now recognized that the methods commonly used to deal with the pervasive problem of missing data in randomized clinical trials produce biased estimates of the parameters of change and may result in a loss of power. The bias results from the requirement of such methods that the missingness be due to a completely random process (MCAR), a requirement seldom satisfied in the real world. Newer methods for analyzing data in the presence of missing observations have less stringent assumptions about the missingness mechanism. The label used to describe the requirements of the newer methods, that data be missing at random (MAR), has led to confusion, as MAR means that missingness can be predicted from data at hand. Analytic methods that require MAR will benefit from the inclusion of variables that can differentiate participants who will have missing data on a particular variable versus those who will not. Data collection at baseline in a clinical trial becomes particularly important, as it can incorporate measures unrelated to the primary outcome, but related to missingness. As an example participants might be asked to report on their level of motivation for completion of the trial.

8:15-9:00am
President’s Award Lecture: Functional Neuroimaging Insights into Brain-Body Interactions: Central Autonomic Integration in Health and Illness
Hugo D. Critchley (introduced by Richard Lane)
Capitol Ballroom 5-7

In studies using functional brain imaging physiological monitoring and neurological patients, we examined how human brain and body interact to guide behavior, influence emotion and facilitate voluntary action. We established that the dynamic control of internal bodily responses is integrated throughout the brain (not merely brainstem) and defined a ‘general’ system for integrating bodily arousal states with volitional and emotional behaviors. Coupled with response ‘generators’ are specific representations of internal state, providing the substrate for emotional feelings, including understanding of others. Within this broad framework there is remarkable specificity, both in contextual control of specific organs (e.g. pupil size in sadness) and in the different pathways conveying bodily information to the brain. The clinical significance of these mechanisms is highlighted.

9:00-9:45am
Herbert Weiner Early Career Award: The Heart and Soul Study
Mary A. Whooley (introduced by Robert M. Carney)
Capitol Ballroom 5-7

This presentation will describe the Heart & Soul study, a prospective cohort study designed to determine the mechanisms of association between depression and heart disease.

9:45-10:00am
Break
Capitol Ballroom Foyer

10:00-11:30am
3 Concurrent Sessions

Symposium 1220
MINDFULNESS-BASED INTERVENTIONS IN PSYCHOSOMATIC MEDICINE: A GENERIC APPROACH TO HELP PATIENTS COPE WITH CHRONIC DISORDER?
Chair: Paul Grossman
Mineral Hall D-E

Individual Abstract Number:1495
MINDFULNESS-BASED STRESS REDUCTION (MBSR) COMPARED TO CREATIVE ARTS IN CANCER OUTPATIENTS
Linda E. Carlson, Oncology/Psychology, University of Calgary & Tom Baker Cancer Centre, Sarah Cook, Laura Lansdell, Psychology, Michael Speca, Oncology, University of Calgary, Eileen Goodey, Psychosocial Resources, Tom Baker Cancer Centre, Sheila Garland, Psychology, University of Calgary

Individual Abstract Number:1422
MINDFULNESS MEDITATION IN THE TREATMENT OF ADDICTIVE BEHAVIORS WITHIN A PRISON POPULATION
G Alan Marlatt, Psychology, University of Washington

Individual Abstract Number:1295
BENEFITS OF MEDITATION AND STRESS REDUCTION IN FIBROMYALGIA
Christopher Coe, Psychology, University of Wisconsin-Madison

Individual Abstract Number:1303
IMMEDIATE AND 3-YEAR LONG TERM EFFECTS OF A MINDFULNESS INTERVENTION FOR FIBROMYALGIA
Paul Grossman, Psychosomatic & Internal Medicine, University of Basel Hospital, Ulrike Tienthaler-Glimer, Psychology, University of Vienna, Annette Raysz, Psychology, University of Freiburg

Symposium 1101
PSYCHOBIOLOGY OF SOCIAL RELATIONSHIPS, STRESS PROTECTION AND DISEASE PROCESSES: ROLE OF OXYTOCIN
Chair & Discussant: Neil Schneiderman
Mineral Hall B-C
Thursday, March 2, 2006

**Symposium 1558**
SALIVARY ALPHA AMYLASE: NOVEL BIOMARKER OF STRESS OR A MARKER IN SEARCH OF MEANING?
Chair: Laura R. Stroud
Discussant: Douglas A. Granger
Mineral Hall A

**Individul Abstract Number:1560**
DETERMINANTS OF DIURNAL COURSE OF SALIVARY ALPHA-AMYLASE ACTIVITY
Urs M. Nater, Psychiatry & Behavioral Sciences, Emory University School of Medicine, Nicolas Rohleder, Psychology, Dresden University of Technology, Wolff Schlott, MRC Epidemiology Resource Centre and Developmental B, Can Nakkas, Clinical Psychology & Psychotherapy, University of Zurich, Clemens Kirschbaum, Psychology, Dresden University of Technology, Ulrike Ebler, Clinical Psychology & Psychotherapy, University of Zurich

**Individul Abstract Number:1561**
EFFECTS OF CAFFEINE AND STRESS ON SALIVARY ALPHA-AMYLASE IN YOUNG MEN: A SALIVARY BIOMARKER OF SYMPATHETIC ACTIVITY
Laura C. Klein, Courtney A. Whetzel, Biobehavioral Health, Frank E. Ritter, Information Sciences & Technology, Douglas A. Granger, Biobehavioral Health, The Pennsylvania State University

**Individul Abstract Number:1600**
SALIVARY ALPHA-AMYLASE RESPONSE TO THE COLD PRESSOR IS CORRELATED WITH CARDIAC MARKERS OF SYMPATHETIC ACTIVATION
Sheila G. West, Douglas A. Granger, Katie T. Kivlighan, Katrina L. Hurston, Biobehavioral Health, Pennsylvania State University

**Roundtable 1:** Mindfulness-Based Interventions In Psychosomatic Medicine
Paul Grossman, Linda Carlson, G. Alan Marlatt, and Christopher Coe
Granite A

This roundtable dialogue will provide a follow-up and in-depth discussion of the symposium, “Mindfulness based interventions in psychosomatic medicine.” Emphasis will be placed not only upon emerging empirical evidence of efficacy, but also how the concept of mindfulness may contrast to current, common psychological, psychiatric and psychosomatic paradigms.

**Roundtable 2:** Psychobiology of Social Relationships, Stress Protection and Disease Processes: Role of Oxytocin
Neil Schneiderman
Mineral Hall F

This roundtable will discuss the putative role of oxytocin in the psychology of social relationships, stress protection, facilitation of wound healing and amelioration of atherosclerotic disease.

**Roundtable 3:** Salivary Alpha Amylase: Novel Biomarker of Stress or a Marker in Search of Meaning?
Laura Stroud
Agate A

This roundtable will provide a forum for follow-up discussion to the Symposium, “Salivary Alpha Amylase: Novel Biomarker of Stress or Marker in Search of Meaning?” The goal is to facilitate a balanced discussion of: a) what physiological systems might underlie AA responses, b) whether AA can be considered an additional marker for stress response, c) whether and how AA can be incorporated into psychosomatic research paradigms. Presenters from the
AA symposium will be available for further questions; APS members are encouraged to discuss their perspectives, both positive and negative, on AA as a potential additional marker of stress response.

**Roundtable 4: Building a Career in Behavioral/Psychosomatic Medicine from an MD’s Perspective**
Redford Williams, David Kupfer, and Michael Irwin
Granite C

Senior scholars in Behavioral Medicine will discuss issues associated with developing a career in behavioral medicine as an MD. Topics include, but are not limited to: 1) Getting the training you need (statistics, behavioral science), 2) Building collaborations with other behavioral scientists, and 3) Obtaining funding for your research.

**11:30am-12:45pm**
*Psychosomatic Medicine* Editorial Board Meeting
Mineral Hall G

**12:45-2:45pm**
3 Concurrent Sessions

**Invited Symposium**
The Role of the Brain in Mediating the Established Link Between Depression and Cardiovascular Mortality
*Chair: Richard Lane; Presenters: Hugo Critchley, Wayne Drevets, Nancy Frasure-Smith, John Gottdiener; Discussant: David Kupfer*
Mineral Hall D-E

The goals of this symposium are to: 1. Review what is currently known about the association between depression and cardiovascular mortality and the mechanisms that link them; 2. Discuss the neural substrates of depression, as revealed by recent structural and functional neuroimaging research, and the association between the implicated structures and their role in regulating cardiovascular function; 3. Review recent findings from functional neuroimaging research in healthy volunteers and patients that specifically addresses interactions between brain activity and cardiovascular function in the context of emotion and stress; 4. Discuss the implications of these findings for clinical practice in cardiology, psychiatry and health psychology; 5. Begin to define promising directions for future research.

**Individual Abstract**
Mental Stress and Sudden Cardiac Death: Efferent and Afferent Mechanisms
*Hugo D. Critchley, Peter Taggart, Marcus Gray*

Patients with specific psychiatric, neurological or cardiovascular conditions have enhanced risk of cardiac arrhythmia and death. The neurogenic mechanisms are increasingly apparent through integration of data from functional brain imaging, electrophysiological and patient studies. In healthy subjects, brain regions implicated in normal and disordered emotional processing influence and control peripheral autonomic responses, including changes in cardiac rate and contractility. Within the brain, there is (cortical) lateralization of activity supporting emotional processing and generation of autonomic arousal. Lane and Jennings (1) proposed an association between functional hemispheric specialization and psychosomatic vulnerabilities, notably sudden cardiac death.

In the heart, homogeneity of myocardial repolarisation dictates the smoothness of the subsequent contraction. T-wave EKG measures of inhomogeneity are increased even in healthy subjects by emotional stress (2) and signal a more pro-arrhythmic state. Left-right imbalance in autonomic drive to the heart provides a putative mechanism through which strong emotional states (lateralized in the brain) may effect smoothness of repolarisation over the myocardial surface, predisposing top ventricular arrhythmia and sudden death.

We scanned cardiological patients at risk of stress induced ventricular arrhythmia during conditions of high and low stress while simultaneously indexing pro-arrhythmic cardiac changes (3) A left-right shift in lateralization of midbrain (and amygdala) activity predicted pro-arrhythmic EKG changes, suggesting that vulnerability to ventricular arrhythmia may arise from overspill of cortical and limbic neural drive to brainstem autonomic relays, perturbing regional autonomic control of cardiac muscle.

Subsequent investigations reveal the contribution of afferent visceral information (e.g. from an abnormal heart) to asymmetric autonomic and emotional brain responses. These findings directly inform psychosomatic risk in depression and anxiety disorder.


**Individual Abstract**
Neural Correlates of Heart-Rate Variability in Depression
*Wayne C Drevets, Allison C Nugent, Earle E. Bain, Section on Neuroimaging in Mood and Anxiety Disorders, NIMH, NIH, Bethesda, MD; Julian F Thayer, John Sollers, Emotions and Quantitative Psychophysiology Unit, NIA, NIH, Bethesda, MD*

Neuroimaging and neuropathological studies indicate that major depressive disorder (MDD) is associated with
abnormalities of structure and function in a “visceromotor” network formed by orbital and medial prefrontal cortical (OMPFC), limbic, and brainstem circuits that modulate autonomic, endocrine and behavioral aspects of emotional expression. The function of the components within this network that modulate emotional expression appears impaired, resulting in disinhibition of the function of limbic structures such as the amygdala that mediate emotional expression. The combined effects of disinhibited limbic function and impaired OMPFC function conceivably may account for the reduced parasympathetic tone and increased sympathetic tone on the heart rate (HR) reported in MDD.

To assess the neurophysiological correlates of autonomic dysregulation in MDD we applied convergence analysis to identify cerebral blood flow (CBF) changes that correlated with components of HR variability (HRV) both under a motor stressor (hand-grip at 3 strength levels) and a cognitive stressor (n-back task, for 1-, 2- and 3-back) (Critchley et al. Brain, 2003). The high-frequency (HF) and low-frequency (LF) power components of HRV were modeled using Spike2 software. Regional CBF was measured using PET and continuous infusion H215O over 2 min scans.

A total of 14 MDD and 22 HC were imaged. The ECG spectral analysis showed no difference between groups at baseline. During the handgrip task the normalized HF component was reduced in depressives vs. controls (p<.0001), and the normalized LF component and LF/HF ratio were increased in depressives vs. controls (p<.05). In controls the HF component correlated positively to CBF in left anterior insula and left orbital cortex (OFC) and negatively to ventral anterior cingulate C (ACC). The LF component correlated negatively with CBF in right anterior insula and right OFC. The MDD vs. HC image contrasts are in progress.

The HF component is a putative index of cardiac parasympathetic vagal tone, while the LF component reflects mainly sympathetic tone. These data thus are compatible with other evidence showing increased sympathetic and decreased parasympathetic tone on the HRV in MDD.

Individual Abstract

THE EPIDEMIOLOGY OF DEPRESSION AND SUDDEN CARDIAC DEATH
Nancy Frasure-Smith

It is well-established that hospitalized patients with coronary heart disease (CHD), including post-myocardial infarction patients, patients with congestive heart failure, those recovering from attacks of unstable angina, and patients undergoing coronary bypass surgery or angioplasty show higher prevalences of elevated depressive symptoms (30 to 50%), as well as higher rates of major depression (15 to 20%), than people of similar age and sex living in the general community. While increased levels of depression are common in many chronic and acute illnesses, there is evidence that the rates in CHD patients are of particular importance. An increasing body of epidemiological studies shows that depression is associated with worse prognosis in patients with established CHD (prognostic studies) and that depression may even increase the risks of developing CHD in initially healthy individuals (etiologic studies). At least a part of these associations are due to the adoption of risky behaviors by depressed individuals including smoking, lack of exercise and poor diet. However, several more direct pathophysiological mechanisms have been suggested including depression-related changes in inflammation, platelet function and autonomic balance. There is considerable animal and human laboratory data suggesting that activation of the sympathetic nervous system can dispose the heart to malignant arrhythmias and sudden cardiac death. Other studies have shown depression to be associated with reduced heart rate variability, and dysregulation of the HPA axis. Although early epidemiological studies suggested that arrhythmic deaths accounted for much of the depression-related mortality risk in CHD patients, most recent prognostic and etiologic research has not distinguished sudden cardiac deaths from overall cardiac or all cause mortality. This presentation will summarize the epidemiological data for and against the arrhythmic hypothesis.

Individual Abstract

CARDIOVASCULAR PATHOPHYSIOLOGY OF BEHAVIORALLY MEDIATED CARDIAC EVENTS: MENTAL STRESS AS A TRIGGER OF MYOCARDIAL ISCHEMIA, INFARCTION, AND SUDDEN DEATH
John S. Gottdiener

Emotional stress has long been recognized to be a trigger of angina, sudden death and myocardial infarction. Laboratory studies of cardiac physiologic effects of mental-emotional activation have demonstrated sympathetic activation, vagal withdrawal, epicardial coronary vasoconstriction, platelet activation, hypercoagulability, immune factor activation, as well as segmental left ventricular dysfunction and perfusion abnormality in patients with coronary artery disease (CAD). The magnitude of ischemia produced by mental stress is associated with behavioral traits (e.g defensiveness, hostility), and mental stress induced ischemia is associated with characteristics of ischemia during activities of daily life. Emotional stress and pleasure may directly influence endothelial function and hence blood flow regulation. Sudden emotional stress has been found to produce patterns of acute myocardial infarction and injury consistent with catecholamine induced cardiomyopathy. Depression and vital exhaustion both alter immune function in ways that promote progression of atherosclerosis, reduce atherosclerotic plaque stability, and facilitate ischemia, infarction and/or sudden death.

Alterations in ECG repolarization with brain injury, fatal arrhythmia, and myocardial injury have also been associated with severe brain injury. Patients with implanted cardiac defibrillators have increased device discharge during
Thursday, March 2, 2006

periods of environmental catastrophe, and possibly with high levels of mental activation. Mental stress also increases T wave alternans (a measure of abnormal cardiac repolarization) in CAD patients, potentially increasing vulnerability to fatal arrhythmia and sudden death. PET scan studies have shown associations of arrhythmic vulnerability measured by alterations in repolarization on surface ECG with abnormal midbrain lateralization of blood flow during mental-emotional arousal. In addition to adverse effects of sudden sympathetic activation, research suggests that vagal stimulation may produce myocardial depression as well as cardiac conduction abnormality. In summary, mental/emotional triggers modulated by behavioral characteristics in the presence of appropriate cardiovascular substrate are important in the adverse outcomes of CAD including sudden death. While much of this appears autonomic mediated, the role of the brain in modulating environmental emotional and mental stimuli remains to be defined. Interdisciplinary research utilizing a rich array of available non-invasive cardiac imaging and electrophysiological methodology, brain imaging technology permitting localization of flow and metabolism changes, and standardized techniques for measurement of behavioral characteristics offer the potential for understanding interactions of brain, “mind”, and the cardiovascular system in cardiovascular disease.

**Symposium 1266**

IT’S NOT THE GENES OR THE ENVIRONMENT, STUPID; IT’S THE GENES AND THE ENVIRONMENT, STUPID: GENE BY ENVIRONMENT INTERACTIONS, PSYCHOSOCIAL RISK FACTORS AND BIOBEHAVIORAL MECHANISMS

*Chair: Stephen B. Manuck*

*Discussant: Peter G. Kaufmann*

**Mineral Hall B-C**

**Individual Abstract Number: 1304**

MAO-UVNTR IS RELATED TO CNS SEROTONERGIC FUNCTION, GLUCOSE METABOLISM, BMI AND HOSTILITY

*Richard S. Surwit, Ilene C. Siegler, Psychiatry and Behavioral Sciences, Cynthia M. Kuhn, Pharmacology, Michael J. Helms, Redford B. Williams, Psychiatry and Behavioral Sciences, Duke University Medical Center*

**Individual Abstract Number: 1316**

A GENE-ENVIRONMENT INTERACTION MODEL OF STRESS-INDUCED HYPERTENSION

*Harold Snieder, Yanbin Dong, Gregory A. Harshfield, Frank A. Treiber, Georgia Prevention Institute, Medical College of Georgia*

**Paper Session**

CANCER & HIV: BIOLOGICAL, PSYCHOLOGICAL AND SOCIAL CORRELATES

*Chair: Marzio Sabbioni*

**Mineral Hall A**

**Abstract 1404**

SOCIAL SUPPORT AND CYTOKINE PRODUCING T-CELL POPULATIONS IN THE OVARIAN CANCER MICROENVIRONMENT

*Susan Latgendorf, Psychology, U. of Iowa, Iowa City, IA, Anil Sood, Gyn Oncology, MD Anderson, Houston, TX, Koen DeGeest, Barrie Anderson, OB/Gyn, Heena Maiseri, Stephanie McGinn, Psychology, David Labaroff, Urology, U. of Iowa, Iowa City, IA*

**Abstract 1801**

STRESS SENSITIVITY IN METASTATIC BREAST CANCER

*David Spiegel, Psychiatry and Behavioral Sciences, Janine Giese-Davis, Psychiatry, Stanford University, Sandie Sephton, Psychological and Brain Sciences, University of Louisville, Maya Iutis, Helena Kraemer, Psychiatry, Stanford University*

**Abstract 1701**

INSULIN RESISTANCE AND HPA AXIS DYSREGULATION IN WOMEN WITH METASTATIC BREAST CANCER

*Elissa S. Epel, Psychiatry, USCF, San Francisco, CA, Janine Giese-Davis, Stanford University, Palo Alto, CA, Sandie Sephton, University of Louisville, Louisville, KY, David Spiegel, Stanford University, Palo Alto, CA*

**Abstract 1738**

PERSONALITY AND HIV: THE RELATIONSHIP BETWEEN NEO-PI-R PERSONALITY DOMAINS AND FACETS AND DISEASE PROGRESSION IN HIV OVER 4 YEARS.

*Gail H. Ironson, Psychology/Psychiatry/Behavioral Medicine, Connell M. O’Cleirigh, Psychology, University of Miami, Coral Gables, FL, Paul T. Costa, Jr., NIA, NIH, Bethesda, MD, Mary Ann Fletcher, Medicine, University of Miami, Miami, FL, Neil Schneiderman, Psychology/Medicine, University of Miami, Coral Gables, FL*

**Abstract 1740**

PRELIMINARY EVIDENCE FOR PARALLEL DYSREGULATION ACROSS COPIING, IMMUNE, AND
PHYSIOLOGICAL RESPONSE SYSTEMS IN PATIENTS FROM AN HIV PRIMARY CARE CLINIC
Lydia Temoshok, Medicine, University of Maryland School of Medicine, Baltimore, MD, Rebecca L. Wald, Behavioral Medicine, Alfredo Garzino-Demo, Basic Sciences, Institute of Human Virology, Baltimore, MD, Shari R. Waldstein, Psychology, University of Maryland Baltimore County, Baltimore, MD, James A. Wiley, Public Research Institute, San Francisco State University, San Francisco, CA

Abstract 1178
PSYCHOLOGICAL DISTRESS AND HIV PATHOGENESIS: ROLE OF CYTOTOXIC T-CELL ACTIVATION AND INFLAMMATORY CYTOKINE PRODUCTION
Jeffrey Greeson, Maria Llabre, Nancy Klimas, Peter Lawrence, Alex Gonzalez, Pedro Martin, Neil Schneiderman, Barry Hurwitz, Behavioral Medicine Research Center, University of Miami, Miami, FL

Abstract 1383
A TEN-SESSION INTERDISCIPLINARY PSYCHOEDUCATIONAL INTERVENTION HELD BY ONCOLOGISTS IMPROVES SATISFACTION WITH CARE AND DECREASES ANXIETY IN CANCER PATIENTS
Verena Huemmeler, Harald O. Guendel, Psychooncology, Technical University, Munich, Germany

Abstract 1700
SOCIAL INHIBITION MODERATES THE EFFECTS OF A COGNITIVE-BEHAVIORAL STRESS MANAGEMENT (CBSM) INTERVENTION ON RECOVERY FROM PROSTATE CARCINOMA: A LATENT GROWTH CURVE ANALYSIS
Scott Siegel, Frank Penedo, Maria Llabre, Neil Schneiderman, Michael Antoni, Psychology, University of Miami, Coral Gables, FL

2:45–3:00pm
Break
Capitol Ballroom Foyer

3:00-4:00pm
3 Concurrent Sessions

Symposium 1346
RECENT CLINICAL TRIALS FOR DEPRESSION IN PATIENTS WITH CORONARY HEART DISEASE
Chair: Nancy Frasure-Smith
Discussant: Peter G. Kaufmann
Mineral Hall D-E

Individual Abstract Number: 1347
PREDICTORS OF DEPRESSION AND SOCIAL SUPPORT OUTCOMES IN THE ENRICHED STUDY
Matthew M. Burg, Medicine, Yale University, for the ENRICHED Investigators

Individual Abstract Number: 1348
EFFECTS OF ANTIDEPRESSIVE THERAPY FOR THE TREATMENT OF DEPRESSION FOLLOWING MYOCARDIAL INFARCTION: RESULTS FROM THE MYOCARDIAL INFARCTION AND DEPRESSION

INTERVENTION TRIAL (MIND-IT)
Peter de Jonge, Joost p. van Melle, Adriaan Honig, Aart Schene, Harry Crijns, Johan Ormel, Psychiatry, University of Groningen

Individual Abstract Number: 1349
A RANDOMIZED CLINICAL TRIAL OF NONPHARMACOLOGICAL TREATMENTS FOR DEPRESSION AFTER CORONARY ARTERY BYPASS GRAFT SURGERY

Symposium 1687
BREATHING TRAINING AS A PSYCHOBIOLOGICAL INTERVENTION FOR ANXIETY DISORDER AND ORGANIC DISEASE
Chair: Thomas Ritz
Discussant: Paul Grossman
Mineral Hall A

Individual Abstract Number: 1694
COMBINED HEART RATE VARIABILITY AND PULSE OXIMETRY BIOFEEDBACK FOR CHRONIC OBSTRUCTIVE PULMONARY DISEASE
Nicholas D. Giardino, Psychiatry, University of Michigan, Ann Arbor, MI

Individual Abstract Number: 1708
THE THERAPEUTIC EFFECT OF DEVICE-GUIDED PACED BREATHING IN HYPERTENSION AND CONGESTIVE HEART FAILURE
Benjamin Gavish, InterCare Ltd., Lod, Israel

Individual Abstract Number: 1690
PCO2 BIOFEEDBACK-ASSISTED BREATHING TRAINING FOR PANIC DISORDER AND ASTHMA: RATIONALE AND EMPIRICAL FINDINGS
Alicia E. Meuret, Thomas Ritz, Psychology, Southern Methodist University, Frank H. Wilhelm, Psychology, University of Basel, James L. Abelson, Psychiatry, University of Michigan, Ann Arbor, MI, Walton T. Roth, Psychiatry, Stanford University and VA Palo Alto HCS

Paper Session
HORMONAL AND HEMOTOLOGIC RESPONDING: DYNAMICS AND PREDICTORS
Chair: Suzanne Segerstrom
Mineral Hall B-C

Abstract 1219
INFLAMMATORY AND PLATELET RESPONSES TO REPEATED MENTAL STRESS: INDIVIDUAL STABILITY AND HABITUATION OVER TIME
Mark Hamer, Emily Williams, Raisa Vuononvirta, Andrew Steptoe, Psychobiology, University College London, London, United Kingdom, E L. Gibson, School of Human and Life Sciences, Roehampton University, London, United Kingdom
Thursday, March 2, 2006

Abstract 1540
STRESS, AWARENING TIME, WEEKEND VERSUS WEEKDAY SAMPLING, AND ADHERENCE ISSUES IN THE STUDY OF THE CORTISOL AWARENING RESPONSE (CAR)
Philip D. Evans, Angela Clow, Frank Hucklebridge, Lisa Thorn, Psychophysiology and Stress Research Group, University of Westminster, London, UK

Abstract 1757
DAY-TO-DAY DYNAMICS OF NATURALISTIC MOOD-CORTISOL ASSOCIATIONS IN A POPULATION-BASED SAMPLE OF OLDER ADULTS
Emma K. Adam, Education and Social Policy, Northwestern University, Evanston, IL, Louise Hawkley, John T. Cacioppo, Psychology, University of Chicago, Chicago, IL

Abstract 1754
DECREASING DISTRESS IN PREGNANT LATINA WOMEN
Joan I. Cohen, School of Nursing, UCLA

4:00-4:15pm
Break
Capitol Ballroom Foyer

4:15-5:15pm
3 Concurrent Sessions

Symposium 1647
RACISM: RISK FACTORS, PSYCHOSOCIAL MECHANISMS, AND CARDIOVASCULAR CORRELATES
Chair: Elizabeth Brondolo
Discussant: Julian F. Thayer
Mineral Hall B-C

Individual Abstract Number:1654
RACISM AND AMBULATORY BLOOD PRESSURE IN A COMMUNITY SAMPLE
Elizabeth Brondolo, Daniel Libby, Psychology, St. John's University, Danielle Beatty, Psychology, City University New York, Andrea Cassells, Jonathan Tobin, Clinical Directors Network

Individual Abstract Number:1653
RACISM AND NEGATIVE MOOD: ANALYSES OF TRAIT AND DIARY MEASURES OF MOOD
Nisha Brady, Shola Thompson, Melissa Weinstein, Elizabeth Brondolo, Psychology, St. John's University, Andrea Cassells, Jonathan Tobin, Clinical Directors Network

Individual Abstract Number:1651
SOCIODEMOGRAPHIC VARIATIONS IN EXPOSURE TO RACISM
Robin L. Wellington, Ysaira Baustista, Psychology, St. John's University, Catherine Cubbin, Daniel Rivera, Clinical Directors Network

Symposium 1153
THE USE OF NON-INVASIVE ELECTROGASTROGRAPHY (EGG) IN STUDIES OF BRAIN-GUT INTERACTIONS: PHYSIOLOGICAL BASIS, PSYCHOPHYSIOLOGICAL RELATIONSHIPS, AND CLINICAL APPLICATIONS
Chair: Max E. Levine
Mineral Hall A

Individual Abstract Number:1154
ELECTROGASTROGRAPHY: PHYSIOLOGICAL BASIS AND CLINICAL APPLICATIONS
Kenneth L. Koch, Internal Medicine, Wake Forest University School of Medicine

Individual Abstract Number:1156
EFFECTS OF STRESS ON THE GASTROINTESTINAL SYSTEM
Eric R. Muth, Psychology, Clemson University

Individual Abstract Number:1157
PERCEIVED CONTROL AND PREDICTABILITY: PSYCHOSOCIAL INFLUENCES ON THE DEVELOPMENT OF GASTRIC TACHYARRHYTHMIA AND VECTTION-INDUCED NAUSEA
Max E. Levine, Internal Medicine and Psychology, Wake Forest University

Individual Abstract Number:1159
GASTRIC SLOW WAVE FREQUENCY AS A TOOL TO INVESTIGATE CENTRAL CONTROL DURING DIFFERENT COGNITIVE AND BEHAVIORAL TASKS
Karin Meissner, Institute of Medical Psychology, University of Munich

Symposium 1236
IMMUNE-TO-BRAIN COMMUNICATION: THE INFLUENCE OF CYTOKINES ON BRAIN ACTIVITY AND COGNITIVE FUNCTION
Chair: Anna L. Marsland
Mineral Hall D-E

Individual Abstract Number:1249
IMMUNE-TO-BRAIN COMMUNICATION: IMPLICATIONS FOR UNDERSTANDING COGNITIVE DISORDERS
Steven F. Maier, Psychology, University of Colorado

Individual Abstract Number:1593
THE ROLE OF PRO-INFLAMMATORY CYTOKINES IN MEMORY PROCESSES
Raz Yirmiya, Psychology, The Hebrew University

Individual Abstract Number:1239
INTERFERON-ALPHA THERAPY IS ASSOCIATED WITH ALTERED INFORMATION PROCESSING IN PATIENTS WITH CHRONIC HEPATITIS C
Lucile Capuron, Universite Bordeaux 2

Individual Abstract Number:1382
INTERLEUKIN-6 COVARS INVERSELY WITH COGNITIVE PERFORMANCE AMONG MIDDLE-AGED COMMUNITY VOLUNTEERS
1) Abstract 1243
THE ASSOCIATION BETWEEN FATIGUE AND INFLAMMATORY MARKER LEVELS IN CANCER PATIENTS: A META-ANALYSIS
Christian Schubert, Medical Psychology and Psychotherapy, Innsbruck Medical University, Innsbruck, Austria; Szei Hong, Department of Psychiatry, Liki Nataaraan, Department of Family and Preventive Medicine, Joel E. Dimsdale, Department of Psychiatry, University of California, San Diego, La Jolla, California

2) Abstract 1398
SLEEP QUALITY AND SALIVARY CORTISOL IN OVARIAN CANCER PATIENTS
Derek G Turesky, Susan Lutgendorf, Aliza Weinrib, Psychology, University of Pennsylvania, Philadelphia, PA; Anil Sood, Gyn/Onc, MD Anderson, Houston, TX; Frank Penedo, Vanessa Lehner, Psychology, University of Miami, Coral Gables, FL; Clemens Kirschbaum, Psychology, Dresden University of Technology, Dresden, Germany

3) Abstract 1370
DISEASE-RELATED SELF-EFFICACY AND RISK OF FEBRILE NEUTROPENIA IN CANCER PATIENTS
Robert Zachariae, Anette F. Pedersen, Psychooncology Research Unit, University of Aarhus, Aarhus, Denmark; Anders Bonde Jensen, Hans von der Maase, Department of Oncology, Aarhus University Hospital, Aarhus, Denmark; Ove Andersen, Department of infectious diseases, Hvidovre Hospital, Hvidovre, Denmark

4) Abstract 1352
ILLNESS PERCEPTIONS AND POST-TREATMENT DISTRESS AND BEHAVIOR CHANGES AMONG WOMEN WITH BREAST CANCER
Erin S. Costanzo, Susan K. Lutgendorf, Mary Mattes, Psychology, University of Iowa, Iowa City, IA; Shruti Trehan, Oncology, Aultman, Canton, OH

5) Abstract 1326
PSYCHOSOCIAL FACTORS AND NKT CELLS IN OVARIAN CANCER PATIENTS
Donald M. Lamkin, Susan Lutgendorf, Psychology, U. of Iowa, Iowa City, IA; Anil Sood, Gynecologic Oncology, MD Anderson, Houston, TX; Stephanie McGinn, Heena Maiseri, Psychology, Koen De Geest, Barrie Anderson, Obstetrics and Gynecology, David Lubaroff, Urology, U. of Iowa, Iowa City, IA

6) Abstract 1271
COPIING STYLES PREDICT LONG TERM DISTRESS IN GYNECOLOGICAL CANCER SURVIVORS
Elizabeth Mullen, Aliza Weinrib, Psychology, Barrie Anderson, Gynecologic Oncology, Susan Lutgendorf, Psychology, University of Iowa, Iowa City, IA

7) Abstract 1265
COGNITIVE EFFECTS OF BREAST CANCER TREATMENT IN POST-MENOPAUSAL WOMEN
Felice A. Tager, Paula McKinley, Ulya Hahbief, Lina D’Orazjo, Claire Golden, Marge Frosch, Sandra Kuhl, Behavioral Medicine, Freya Schnabel, Surgery, Dawn Hershman, Medicine, Columbia University, New York, NY

8) Abstract 1168
EFFECTS OF APPRAISAL OF CANCER PATIENTS’ HEALTH STATUS ON SOCIAL CONSTRAINTS
Michele Herzer, Sandra G. Zakowski, Clinical Psychology, Rosalind Franklin University of Medicine and Science, North Chicago, IL

9) Abstract 1329
COMPARISON OF PSYCHIATRIC SYMPTOMS BETWEEN TOTAL MASTECTOMY AND BREAST CONSERVING SURGERY IN BREAST CANCER PATIENTS
Hyun-Gyu Son, Psychiatry, Lee Su Kim, General Surgery, Hallym University, College of Medicine, Seoul, Korea, South

10) Abstract 1415
CHILDREN’S DISTRESS AND COMMUNICATION WITHIN THE FAMILY WHEN ONE PARENT IS TREATED FOR CANCER
Silla M. Consoli, Mathilde Paradis, Nicole Pellicer, C-L psychiatry, Georges Pompidou European Hospital, Paris, France, Virginie Lucas, Medical Oncology and Haematology, Hopital de la Source, Orleans, France, Raymond Jian, Gastro-enterology, Jean-Marie Andrieu, Oncology, Georges Pompidou European Hospital, Paris, France

11) Abstract 1429
STRESS REACTIVITY, RESPONSE TO DERMATOLOGICAL TREATMENT AND LEVELS OF EMOTIONAL AWARENESS IN PATIENTS SUFFERING FROM PSORIASIS
Silla M. Consoli, C-L Psychiatry, Georges Pompidou European Hospital, Paris, France, Sophie Rolhion, Dermatology, Caroline Martin, Public Health, Karine Ruel, Frederic Cambard, Dermatology, Jacques Pellet, Psychiatry, Laurent Misery, Dermatology, University Hospital, St Etienne, France

12) Abstract 1717
MOOD AND ANXIETY DISORDERS IN WOMEN WITH SYSTEMIC LUPUS ERYTHEMATOSUS (SLE)
Elizabeth A. Bachen, Psychology, Mills College, Oakland, CA, Margaret A. Chesney, NCCAM, NIH, Bethesda, MD, Heather M. Stone, Rebecca K. McDowell, Leticia S. Padilla, Psychology, Mills College, Oakland, CA, Lindsey A. Criswell, Medicine, UCSF, San Francisco, CA

13) Abstract 1636
DEVELOPMENTAL ASPECTS OF ALEXITHYMIA: A JAPANESE COMMUNITY BASED STUDY
Gen Komaki, Yoshiya Moriguchi, Psychosomatic Research, National Institute of Mental Health, Kodaira, Tokyo, Japan, Motomari Maeda, Art and Design, Joshibi University of Art and Design, Sagamihara, Kanagawa, Japan

14) Abstract 1448
REPRESSIVE COPING AND QUALITY OF LIFE IN A BEHAVIORAL WEIGHT MANAGEMENT PROGRAM
Sooyeon Sah, Monica L. Jefferson, Andrea K. Busby, Charles F. Emery, Psychology, Ohio State University, Columbus, OH
15) Abstract 1200
EFFECTS OF EMOTIONAL SELF-MONITORING ON WEIGHT LOSS SELF-EFFICACY AMONG BEHAVIORAL WEIGHT MANAGEMENT PROGRAM PARTICIPANTS
Andrea K. Busby, Monica L. Jefferson, Sooyeon Suh, Charles F. Emery, Psychology, Ohio State University, Columbus, OH

16) Abstract 1575
RACE MAY MODERATE THE ASSOCIATION BETWEEN THE SEROTONIN TRANSPORTER GENE PROMOTER POLYMORPHISM (5HTTLPR) AND NEO PI-R PERSONALITY DOMAINS
Charles R. Jonassaint, Psychology, Redford B. Williams, Psychiatry and Medicine, Allison Ashley-Koch, Medicine, Rene C. Siegler, Psychiatry, Christopher L. Edwards, Psychiatry and Medicine, Duke University Medical Center, Durham, NC, Keith E. Whitfield, Biobehavioral Health, Pennsylvania State University, University Park, PA

17) Abstract 1601
HOSTILITY PSYCHOMETRICS: USING TRAIT SCALES TO PREDICT DAILY LEVELS OF HOSTILE MOOD AND INTERACTIONS
Elizabeth Vella, Thomas W. Kamarck, Stephen Manuck, Psychology, University of Pittsburgh, Pittsburgh, PA, Janine D. Flory, Psychiatry, Mt Sinai School of Medicine, New York, NY, Todd Bear, Psychology, University of Pittsburgh, Pittsburgh, PA

18) Abstract 1500
THE EFFECTS OF DISTRACTION THROUGH THE SPEECH TASK
Saea Iida, Naho Ichikawa, Hideki Ohira, Psychology, Nagoya University, Nagoya, Aichi, Japan

19) Abstract 1758
MEASURING LIFE EVENT STRESS: LESS IS MORE
Louise C. Hawkley, Psychology, Dingcai Cao, Health Studies, John T. Cacioppo, Psychology, University of Chicago, Chicago, IL

20) Abstract 1218
THE EFFECTS OF HABITUAL COFFEE INTAKE ON CIRCULATING VON WILLEBRAND FACTOR RESPONSES TO MENTAL STRESS
Mark Hamer, Raisa Vuononvirta, Andrew Steptoe, Psychobiology, University College London, London, United Kingdom

21) Abstract 1225
INCREASED EMOTIONAL DISTRESS IN CARDIAC PATIENTS WITH A TYPE D PERSONALITY: THE INFLUENCE OF MARITAL STATUS
Krista C. Van den Broek, Elisabeth J. Martens, Susanne S. Pedersen, Medical Psychology, Tilburg University, Tilburg, The Netherlands, Pepijn H. Van der Voort, Cardiology, Catharina Hospital, Eindhoven, The Netherlands, Johan Denollet, Medical Psychology, Tilburg University, Tilburg, The Netherlands

22) Abstract 1229
DEPRESSION AND CARDIOVASCULAR MORBIDITY IN THE MEDICARE HEALTH OUTCOMES STUDY
Lawson R. Wulsin, Psychiatry, Kai Hu, Samuel Huang, Engineering, Jeffrey Welge, Psychiatry, University of Cincinnati, Cincinnati, Ohio

23) Abstract 1231
SOCIAL SUPPORT AND EJECTION FRACTION PREDICT CARDIOVASCULAR REACTIVITY TO MENTAL STRESS IN PATIENTS WITH IMPLANTED DEФИBRILLATORS
Christoph Herrmann-Lingen, Bernhard Lache, Psychosomatic Medicine, Philipp’s University, Marburg, Germany

24) Abstract 1252
SPECIFIC COPING STYLES PREDICT CARDIOVASCULAR REACTIVITY IN COMMON LABORATORY STRESSORS
Matthew C. Whited, Kevin T. Larkin, Psychology, West Virginia University, Morgantown, WV

25) Abstract 1190
FEASIBILITY OF RECRUITING DEPRESSED PATIENTS WITH CORONARY ARTERY DISEASE FOR A RANDOMIZED PSYCHOTHERAPY INTERVENTION TRIAL
Christian Albus, Psychosomatics, University, Cologne, Germany, Hans-Christian Deter, Psychosomatics, Charite, Berlin, Germany, Kurt Fritzsche, Psychosomatics, University Hospital, Freiburg, Germany, Jochen Jordan, Psychosomatics, University, Frankfurt, Germany, Jana Junges, Psychosomatics, University, Heidelberg, Germany, Karl Heinz Ludwig, Psychosomatics, Tech University, Munich, Germany, Michael Muñck-Weymann, Psychosomatics, Tech University, Dresden, Germany, Gerhard Schmid-Ott, Psychosomatics, Medical School, Hannover, Germany, Christoph Herrmann-Lingen, Psychosomatics, University, Marburg, Germany

26) Abstract 1192
ASSOCIATION OF PSYCHOSOCIAL FACTORS WITH A NEW RISK CHART FOR THE PRIMARY PREVENTION OF CARDIOVASCULAR DISEASES OF THE EUROPEAN SOCIETY OF CARDIOLOGY
Christian Albus, Kathrin Ehren, Psychosomatics, Moritz Hahn, Statistics, University Clinic, Cologne, Germany, Birna Bjarnason-Wehrens, Sports Medicine, German Sports University, Cologne, Germany, Detlef Gysan, Cardiological Practice, AmKARe, Cologne, Germany, Joachim Latsch, Sports Medicine, German Sports University, Cologne, Germany, Christian Schneider, Cardiology, University Clinic, Cologne, Germany, Hans Georg Predel, Sports Medicine, German Sports University, Cologne, Germany

27) Abstract 1277
CHRONIC STRESS, ACUTE STRESS, AND PRECLINICAL MARKERS OF CARDIOVASCULAR DISEASE IN FEMALE ADOLESCENTS
Teresa J. Marin, Gregory E. Miller, Psychology, University of British Columbia, Vancouver, British Columbia, Canada

28) Abstract 1241
A SYSTEMATIC REVIEW OF CARDIOVASCULAR ADVERSE EVENTS IN SSRl ANTIDEPRESSANT TRIALS INVOLVING HIGH RISK PATIENTS
J. Robert Swenson, Steve Doucette, Dean Fergusson, Epidemiology, Ottawa Health Research Institute, Ottawa, Ontario, Canada
29) Abstract 1138
DETERMINANTS OF QUALITY OF LIFE IN PATIENTS WITH CHRONIC HEART FAILURE
Thomas Müller-Tasch, Nicole Holzgepfel, Dieter Schellberg, Psychosomatik, Christian Zagek, Cardiology, University Hospital, Heidelberg, Germany, Markus Haas, Cardiology, Theresienkrankenhaus, Mannheim, Germany, Jana Jäger, Psychosomatics, University Hospital, Heidelberg, Germany

30) Abstract 1024
CLINICAL VS. EPIDEMIOLOGICAL INFERRANCE OF CAUSALITY & THE 50% - 90% CONUNDRUM
Mark W. Ketterer, Behavioral Health, Henry Ford Hospital/WSU, Detroit, MI

31) Abstract 1027
PSYCHOSOCIAL OUTCOMES IN A SECONDARY PREVENTION SETTING: ROLE OF ETHNICITY AND SOCIOECONOMIC STATUS
Lephuong Ong, Psychology, York University, Toronto, ON, Canada, Adrienne H. Kovacs, Cardiology, University Health Network, Toronto, ON, Canada, Judy Lin, Medicine, University of Toronto, Toronto, ON, Canada, Caroline Chessés, Cardiology, University Health Network, Toronto, ON, Canada

32) Abstract 1034
DEMOGRAPHIC AND PSYCHOSOCIAL FACTORS AFFECT TREATMENT EXPECTATIONS IN A CARDIAC POPULATION.
Sabine Johnson, KAHS, Lephuong Ong, Jill Stanley, Psychology, Paul Ritvo, KAHS, York University, TO, ON, Canada, Paul Dorian, David Newman, Cardiology, St. Michael's Hospital, TO, ON, Canada, Louise Harris, Cardiology, Toronto General Hospital, TO, ON, Canada, Samuel Sears, Psychology, University of Florida, Gainesville, FL, Robert Crabbie, Jane Irvine, Psychology, York University, TO, ON, Canada

33) Abstract 1048
THE ADVERSE EFFECT OF TYPE D PERSONALITY ON FAILURE TO CONSULT FOR CARDIAC SYMPTOMS IN CHF
Angélique A. Schiffer, Johan Denollet, Medical Psychology, Tilburg University, Tilburg, the Netherlands, Jos W. Widdershoven, Eric H. Hendriks, Cardiology, Tweesteden Hospital, Tilburg, the Netherlands, Otto R. Smith, Medical Psychology, Tilburg University, Tilburg, the Netherlands

34) Abstract 1054
PREVALENCE OF PTSD AND PREDICTORS OF POST-TRAUMATIC STRESS IN FIRST-TIME MYOCARDIAL INFARCTION PATIENTS
Lisa Wiedema, Jean-Paul Schmid, Hugo Saner, Cardiology, Roland von Känel, Cardiology and General Internal Medicine, University Hospital, Berne, Switzerland

35) Abstract 1193
CHRONIC AND EPISODIC PSYCHOLOGICAL DETERMINANTS OF QUALITY OF LIFE IN CHRONIC HEART FAILURE
Otto R. Smith, Angélique A. Schiffer, Medical Psychology, Tilburg University, Tilburg, Netherlands, Jobst B. Winter, Cardiology, Tweesteden Hospital, Tilburg, Netherlands, Johan Denollet, Medical Psychology, Tilburg University, Tilburg, Netherlands

36) Abstract 1199
SEX DIFFERENCES IN THE PREVALENCE OF PSYCHIATRIC DISORDERS IN 2262 PATIENTS REFERRED FOR NUCLEAR STRESS TESTING
Philippe R. Stébenne, Nuclear Medicine / Psychology, Montreal Heart Institute / UQAM, Montreal, QC, Canada, Simon L. Bacon, Nuclear Medicine/Exercise Science, Montreal Heart Institute/Concordia University, Montreal, Quebec, Canada, Roxane Pelletier, Nuclear Medicine/ Psychology, Montreal Heart Institute/UQAM, Montreal, Quebec, Canada, Andre Arsenaud, Bernard Meloche, Richard Fleet, Nuclear Medicine, Montreal Heart Institute, Montreal, Quebec, Canada, Kim L. Lavoie, Nuclear Medicine, Psychology, Montreal Heart Institute/UQAM, Montreal, Quebec, Canada

37) Abstract 1144
EFFECTS OF GENDER, AGE, AND MOOD STATE ON EXPECTATION OF RESTENOSIS AFTER CORONARY BYPASS SURGERY
Rebecca L. Reese, Psychology, Kenneth E. Freedland, Judith A. Skala, Robert M. Carney, Psychiatry, Washington University, St. Louis, MO

38) Abstract 1163
ASSOCIATIONS BETWEEN MOOD AND ANXIETY DISORDERS AND ENDOTHELIAL FUNCTION IN PATIENTS UNDERGOING MYOCARDIAL PERFUSION IMAGING: A PILOT STUDY
K L. Lavoie, Nuclear Medicine, Psychology, Montreal Heart Institute UQAM, Montreal, Quebec, Canada, S L. Bacon, P R. Stébenne, R Pelletier, B Meloche, Nuclear Medicine, Montreal Heart Institute, Montreal, Quebec, Canada, J Veldhuijzen van Zanten, Sportex, U Birmingham, Birmingham, UK, S Barone, A Arsenaud, Nuclear Medicine, Montreal Heart Institute, Montreal, Quebec, Canada

39) Abstract 1170
THE IMPACT OF ANXIETY DISORDERS ON EXERCISE STRESS TEST PERFORMANCE: ARE THEY AS IMPORTANT AS DEPRESSION?
R Pelletier, Nuclear Medicine, Psychology, Montreal Heart Institute, UQAM, Montreal, Quebec, Canada, S L. Bacon, Nuclear Medicine, Exercise Science, Montreal Heart Institute, Concordia, Montreal, Quebec, Canada, P Stébenne, Nuclear Medicine, Psychology, Montreal Heart Institute, UQAM, Montreal, Quebec, Canada, A Arsenaud, B Meloche, R P. Fleet, Nuclear Medicine, Montreal Heart Institute, Montreal, Quebec, Canada, K L. Lavoie, Nuclear Medicine, Psychology, Montreal Heart Institute, UQAM, Montreal, Quebec, Canada

40) Abstract 1184
EVIDENCE FOR ENDOTHELIAL DYSFUNCTION IN POSTTRAUMATIC STRESS DISORDER
Roland von Kanel, General Internal Medicine, University Hospital, Berne, Switzerland, Urs Hepp, Rafael Traher, Bernd Kraemer, Psychiatry, Ladislav Mica, Marius Keel, Trauma Surgery, Ulrich Schmeyer, Psychiatry, University Hospital, Zurich, Switzerland

41) Abstract 1185
THE CYTOKINE PROFILE IN POSTTRAUMATIC STRESS DISORDER SUGGESTS A LOW-GRADE SYSTEMIC PROINFLAMMATORY STATE
Roland von Kanel, General Internal Medicine, University Hospital, Berne, Switzerland, Urs Hepp, Bernd Kraemer, Rafael Traher, Psychiatry, Marius Keel, Ladislav Mica, Trauma Surgery, Ulrich Schmeyer, Psychiatry, University Hospital, Zurich, Switzerland
42) Abstract 1275
EFFECTS OF ACUTE MENTAL STRESS ON PLASMA VOLUME IN PATIENTS WITH HEART FAILURE
S. L. Bacon, Exercise Science, Concordia University, Montreal, QC, Canada; K. Johnson, R. Trivedi, Psychiatry & Behavior, DUMC, Durham, NC; A. Hinderliter, Medicine, UNC-CH, Chapel Hill, NC; J. A. Blumenthal, A. Sherwood, Psychiatry & Behavior, DUMC, Durham, NC

43) Abstract 1091
DO MEN AND WOMEN DIFFER ON MEASURES OF PSYCHOLOGICAL STRESS INDUCED ISCHEMIA?
Kahi M. York, Qin Li, Haikong Li, Roger Fillingim, Dorian Lucey, Melinda Bestland, Gainesville, FL; David S. Sheps, Medicine, University of Florida/North Florida South Georgia VA, Gainesville, FL

44) Abstract 1657
SHORT-TERM COGNITIVE-BEHAVIORAL STRESS MANAGEMENT PROGRAM EFFICACY IN CARDIAC PATIENTS
Margarita Beresnevaite, Cardiology, Rasa Ragužaliene, Kaunas University of Medicine Institute of Cardiology, Kaunas, Lithuania

45) Abstract 1095
FURTHER FINDINGS ON A SOCIAL REGULATION MODEL OF HOSTILITY
Kenneth M. Prkachin, Psychology, University of Northern British Columbia, Prince George, British Columbia, Canada; Peter A. Hall, Simon B. Sherry, Psychology, University of Saskatchewan, Saskatoon, Saskatchewan, Canada

46) Abstract 1463
ANXIETY ENHANCES THE PERCEPTION OF ANGRY FACES
Glenda C. Prkachin, Psychology, University of Northern British Columbia, Prince George, British Columbia, Canada

47) Abstract 1543
SEROTONIN SYNTHESIS EVALUATION WITH ALPHA-METHYL-L-TRYPTOPHAN IMAGING
M. Diksic, Neurology and Neurosurgery, McGill University, Montreal, QC, Canada

48) Abstract 1020
ANTIPSYCHOTICS IN THE TREATMENT OF DELIRIUM: A REVIEW OF PROSPECTIVE TRIALS
Dallas P. Seitz, Psychiatry, Sudeep S. Gill, Geriatric Medicine, Louis T. van Zyl, Psychiatry, Queen’s University, Kingston, Ontario, Canada

49) Abstract 1535
STRESS-BUFFERING VERSUS STRESS-ENHANCING EFFECTS OF CLOSE RELATIONSHIPS AMONG CURRENTLY DEPRESSED AND NEVER-DEPRESSED WOMEN
Jill M. Cyranowski, Ellen Frank, Tara L. Hofkens, Psychiatry, University of Pittsburgh, Pittsburgh, PA

50) Abstract 1308
IS ACCULTURATION ASSOCIATED WITH SOMATISATION IN DISTRESSED WOMEN OF PAKISTANI ORIGIN LIVING IN UK?
Nasim Chaudry, Barbara Tomenson, Francis Creed, Psychiatry, University of Manchester, Manchester, UK

51) Abstract 1031
COMORBIDITY BETWEEN CARDIAC DISEASE AND PSYCHIATRIC MORBIDITY IN THE ELDERLY COMMUNITY POPULATION
Valeska Marinho, Sergio L. Bay, Sergio B. Andreoli, Department of Psychiatry, Federal University of São Paulo, UNIFESP, São Paulo, SP, Brazil; Fabio L. Gualto, Department of Tropical Medicine, Federal University of Minas Gerais, UFMG, São Paulo, SP, Brazil

52) Abstract 1224
CARDIOVASCULAR RESPONSES TO SOCIAL STRESS AMONG POSTMENOPAUSAL WOMEN WITH VICTIMIZATION HISTORIES
Ivy K. Ho, Psychology, Cincinnati Children's Hospital, Cincinnati, OH; Tamara L. Newton, Psychological and Brain Sciences, University of Louisville, Louisville, KY

53) Abstract 1492
WEST NILE VIRUS AND CONVERSION DISORDER: CASE REPORT
Catherine G. Chung, Adekola O. Alao, Psychiatry, SUNY Upstate Medical University, Syracuse, New York

54) Abstract 1273
INFLUENCE OF PERSONALITY ON BEHAVIORAL AND CARDIOVASCULAR RESPONSE TO CHOLECYSTOKININ-TETRAPEPTIDE IN HEALTHY VOLUNTEERS
Diana Koszyczki, Jakov Shlik, Jacques Bradwejn, Psychiatry, University of Ottawa, Ottawa, Ontario, Canada

55) Abstract 1582
SUBJECTIVE SOCIOECONOMIC STATUS IS A STRONGER PREDICTOR OF AMBULATORY BLOOD PRESSURE THAN IS OBJECTIVE SOCIOECONOMIC STATUS IN A SAMPLE OF MEXICAN IMMIGRANTS
Marcus Green, Patrick R. Steffen, Psychology, Brigham Young University, Provo, UT
59) Abstract 1739
THE EFFECT OF A HIGH FAT VERSUS A LOW FAT MEAL ON CARDIOVASCULAR REACTIVITY
Tavis S. Campbell, Fabijuna Jakud, Kristin Zernicke, Brenda Key, Laura van Wielingen, Psychology, University of Calgary, Calgary, AB, Canada, Simon L. Bacon, Exercise Science, Concordia University, Montreal, QC, Canada

60) Abstract 1728
THE EFFECT OF SELF-PACED PROGRAMMED INSTRUCTIONS VS TRADITIONAL METHODS OF EDUCATION ON BLOOD PRESSURE KNOWLEDGE IN HYPTERTENSIVES
Juhee Jhalani, Tanya Goyal, Thomas G. Pickering, Ghenga Ogedegbe, William Gerin, General Medicine, Columbia University Medical Center, New York, NY

61) Abstract 1596
EFFECTS OF PASSIVE LEG RAISE AND AMBULATORY BLOOD PRESSURE ON HEAT PAIN SENSITIVITY
Maxim D. Lewkowski, Psychology, McGill University, Montreal, QC, Canada, Pierre Rainville, Département de stomatologie, Université de Montréal, Montréal, QC, Canada, Gary H. Duncan, Département de stomatologie, Université de Montréal, Montréal, QC, Canada, Jennifer Russell, Blaine Ditto, Psychology, McGill University, Montreal, QC, Canada

62) Abstract 1712
POWER THREATS LINKED TO AGONISTIC STRIVING AND HIGH BLOOD PRESSURE IN URBAN YOUTH
Craig K. Ewart, Psychology, Syracuse University, Syracuse, NY, Marta Kadziolka, Psychology, Syracuse University, 13244, NY, Mi M. Ditmar, Rachel Herman, Psychology, Syracuse University, Syracuse, NY

63) Abstract 1685
INTERNAL CONSISTENCY RELIABILITY OF CARDIOVASCULAR REACTIVITY TO STRESS
Robert M. Kelsey, Shelley Gabel, Olivia White, Pediatrics, Sidney Ornduff, Psychiatry, Bruce S. Alpert, Pediatrics, University of Tennessee Health Science Center, Memphis, TN

64) Abstract 1684
INTERLEUKIN-10 LEVELS AND HEMODYNAMIC RESPONSE FOLLOWING MENTAL STRESS
Matheen A. Khuddus, Chris B. Arunt, Kaki York, Haihong Li, Roger Fillingham, Elaine Beem, Robert Kolb, Qin Li, Melinda T. Bestland, Mark S. Segal, David S. Sheps, Medicine, University of Florida/North Florida South Georgia VA, Gainesville, Florida

65) Abstract 1555
TASK PERFORMANCE AND ATTITUDES AFFECT SEX DIFFERENCES IN PRESSURE NATRIURESIS IN TEENS
Martha Castles, Kimberly Norland, Deolores Gillis, Lynne Mackey, Gregory Harshfield, Pediatrics, Medical College of Georgia, Augusta, GA

66) Abstract 1573
THE EFFECTS OF HOSTILITY AND DEFENSIVENESS ON CARDIOVASCULAR ACTIVITY
Jules P. Harrell, Psychology, Howard University, Washington, DC, Rachel Andre, Psychology, University of Florida, Gainesville, Florida, Leah J. Floyd, School of Public Health, Morgan State University, Baltimore, Maryland, Sonia R. Bell, Ira N. Daniels, Anastasia Amuçu, Psychology, Howard University, Washington, DC

67) Abstract 1661
HIGHER NEGATIVE EMOTION EXPRESSION IS ASSOCIATED WITH SLOWER BLOOD PRESSURE RECOVERY FROM A STRESSFUL TASK AMONG OLDER PEOPLE
Jianping Zhang, Psychiatry and Psychology, Cleveland Clinic Foundation, Cleveland, OH, Peter P. Vitaliano, Psychiatry and Behavioral Sciences, University of Washington, Seattle, WA, Joshua Dyer, Psychology, Indiana University Purdue University Indianapolis, Indianapolis, IN

68) Abstract 1050
CAFFEINE IN COFFEE EXAGGERATES POSTPRANDIAL GLUCOSE AND INSULIN IN TYPE 2 DIABETES
James D. Lane, Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, NC, Allen L. Hwang, School of Medicine, Durham, NC, Mark N. Feinglos, Medicine, Richard S. Surwit, Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, NC

69) Abstract 1085
IMPROVEMENT IN SEXUAL FUNCTIONING IN DEPRESSED DIABETIC PATIENTS TREATED WITH WELLBUTRIN XL®
Gregory S. Sayuk, Ray E. Clouse, Internal Medicine, Billy D. Nix, Psychiatry, Monique M. Williams, Internal Medicine, Patrick J. Lustman, Psychiatry, Washington University School of Medicine, St. Louis, Missouri

70) Abstract 1088
PREDICTORS OF PREMATURE ANTIDEPRESSANT DISCONTINUATION IN DEPRESSED PATIENTS WITH TYPE 2 DIABETES: THE IMPORTANT ROLE OF RACE AND EDUCATION LEVEL
Monique M. Williams, Internal Medicine, Patrick J. Lustman, Billy D. Nix, Psychiatry, Gregory S. Sayuk, Ray E. Clouse, Internal Medicine, Washington University School of Medicine, St. Louis, Missouri

71) Abstract 1317
HOSTILITY MODERATES THE EFFECT OF CAREGIVING ON FASTING PLASMA GLUCOSE
Beverly H. Brummett, Ilene C. Siegler, Psychiatry and Behavioral Sciences, Cynthia Kuhn, Department of Pharmacology and Cancer Biology, Richard S. Surwit, Redford B. Williams, Department of Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, NC

72) Abstract 1279
CHANGES IN DEPRESSIVE SYMPTOMS ARE UNRELATED TO GLYCEMIC CONTROL IN DIABETES
Anastasia Georgiades, James D. Lane, Mark N. Feinglos, Nancy Zucker, Richard S. Surwit, Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, NC

73) Abstract 1264
DEPRESSION IN DIABETES: CONSEQUENCE RATHER THAN CAUSE
Mirjam J. Knol, Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht, Utrecht, The Netherlands, Eibert R. Heerdink, Antoine C. Egberts, Olaf H. Klungel, Utrecht Institute for Pharmaceutical Sciences, Utrecht University, Utrecht, The Netherlands, Rees J. Gorter, Diederick E. Grobbee, Huibert Burger, Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht, Utrecht, The Netherlands
Thursday, March 2, 2006

74) Abstract 1087
SALIVARY DHEA-S COLLECTION METHODS USING PASSIVE DROOL VS. PLAIN COTTON SWAB SALIVETTES
Courtney A. Whetzel, Douglas A. Granger, Laura C. Klein, Biobehavioral Health, Penn State University, University Park, PA

75) Abstract 1172
DHEA-S AND CORTISOL RESPONSES TO STRESS AND CAFFEINE IN HEALTHY YOUNG MEN: IS DHEA-S A RELIABLE MARKER FOR STRESS?
Courtney A. Whetzel, Biobehavioral Health, Frank E. Ritter, Information Science and Technology, Psychology, Laura C. Klein, Biobehavioral Health, Penn State University, University Park, PA

76) Abstract 1474
PLASMA LEVELS OF AGOUTI-RELATED PROTEIN(AGRP) ARE INCREASED IN ANOREXIA NERVOSA
Junko Moriya, Stress Science and Psychosomatic Medicine, University of Tokyo, Tokyo, Japan, Yoshiyuki Takimoto, Stress Science and Psychosomatic Medicine, University of Tokyo, Tokyo, Japan, Kazuhito Yoshiuchi, Stress Science and Psychosomatic Medicine, Tatsuo Simosawa, Clinical Laboratory Center, Hiroaki Kuman, Akira Akabayashi, Stress Science and Psychosomatic Medicine, University of Tokyo, Tokyo, Japan

77) Abstract 1299
ARE STRESS-INDUCED CORTISOL CHANGES DURING PREGNANCY ASSOCIATED WITH POSTPARTUM DEPRESSIVE SYMPTOMS?
Ulrike Ehler, Alikki Bratsikas, Ada Nierop, Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Switzerland, Roland Zimmermann, Dep. of Obstetrics, University Hospital Zurich, Zurich, Switzerland

78) Abstract 1664
IMPACT OF DEPRESSION AND ANXIETY ON QUALITY OF LIFE IN INFLAMMATORY BOWEL DISEASE (IBD)
Leighann Litcher-Kelly, Arthur A. Stone, Psychiatry, Stony Brook University, Stony Brook, NY

79) Abstract 1730
FUNCTIONAL BRAIN NETWORKS DURING EXPERIENCE AND ANTICIPATION OF VISCERAL DISCOMFORT IN IRRITABLE BOWEL SYNDROME(IBS)
Jennifer S. Labus, Bruce D. Naliboff, Steve M. Berman, Psychiatry, Lin Chang, Medicine, University of California, Los Angeles, California, James H. Fallon, Anatomy and Neurobiology, University of California, Irvine, California, Emeran A. Mayer, Medicine, University of California, Los Angeles, California

80) Abstract 1680
ROLE OF SEROTONIN TRANSPORTER GENE POLYMORPHISM IN SYMPTOMS OF IRRITABLE BOWEL SYNDROME
Shin Fukudo, Tomoko Mizuno, Yoko Kawano, Michiko Kano, Motoyori Kanazawa, Behavioral Medicine, Masashi Aoki, Yasuto Itoyama, Neurology, Tohoku University Graduate School of Medicine, Sendai, Japan

81) Abstract 1625
PRELIMINARY ANALYSIS OF COGNITIVE FUNCTIONING IN A LARGE SAMPLE OF LIVER TRANSPLANT CANDIDATES
Tina Meyers, Kia Crittenden, Anne Eshelman, Marwan Abouljoud, Transplant Institute, Henry Ford Health System, Detroit, MI

82) Abstract 1525
THE EFFECT OF STRESS ON FUNCTIONAL GASTROINTESTINAL SYMPTOMS - A STRUCTURAL EQUATION MODELLING APPROACH
Urs M. Nater, Psychiatry & Behavioral Sciences, Emory University School of Medicine, Atlanta, GA, Changi Mohiyeddini, Clinical Psychology & Psychotherapy, University of Zurich, Zurich, Katharina Pinnekamp, Kerstin Suarez, Ulrike Ehler, Clinical Psychology & Psychotherapy, University of Zurich, Zurich, Switzerland

83) Abstract 1297
PSYCHIATRIC DISORDER AND EXTRA-INTESTINAL SYMPTOMS IN A POPULATION BASED-SAMPLE OF IRRITABLE BOWEL SYNDROME
Francis Creed, Psychiatry, University of Manchester, Manchester, UK, Tony Lembo, Mohammed Zaman, G-I, Harvard, Boston, MA, Robert Kraege, Genetics, University of Minnesota, Minneapolis, MN, Barbara Tomenson, Psychiatry, University of Manchester, Manchester, UK

84) Abstract 1209
THE IMPACT OF COMORBID PAIN ON TREATMENT OUTCOMES FOR A TELEPHONE-BASED COLLABORATIVE CARE STRATEGY FOR TREATING PANIC AND GENERALIZED ANXIETY DISORDER
Carrie Farmer Teh, Health Policy, Harvard University, Boston, MA, Bea Herbeck Belnap, Fang Zhu, Bruce L. Rollman, Medicine, University of Pittsburgh, Pittsburgh, PA

85) Abstract 1189
DISRUPTION OF CIRCADIAN AUTONOMIC RHYTHM DISTINGUISHES FIBROMYALGIA PATIENTS AMONG A CLINICAL SAMPLE OF PATIENTS WITH PAIN SYNDROMES
Anthony Charuvastra, Adult Psychiatry, UCLA Semel Institute of Neuroscience and Human Behav, Los Angeles, CA, Elizabeth Charuvastra, Los Angeles, CA, Stuart Silverman, David Silver, Rheumatology, UCLA/ Cedars-Sinai, Beverly Hills, CA, William Shell, Los Angeles, CA

86) Abstract 1022
A COMPUTER ADMINISTERED AND SCORED TEST TO VALIDATE THE COMPLAINT OF CHRONIC PAIN
Nelson H. Hendler, Neurosurgery, Johns Hopkins University School of Medicine, Stevenson, Maryland, Alison Baker, Mensana Clinic, Stevenson, Maryland

87) Abstract 1062
ANGER MANAGEMENT STYLE, INHIBITION/EXPRESSION OF ANGER, AND SYMPTOM-SPECIFIC REACTIVITY IN CHRONIC PAIN PATIENTS
John W. Burns, Amanda Holly, Psychology, Rosalind Franklin University of Medicine and Science, North Chicago, IL
88) Abstract 1132
A TRIAL OF EXTERNAL QIGONG THERAPY FOR IMPROVING THE SYMPTOMS OF FIBROMYALGIA SYNDROME
Afton L. Hassett, Medicine, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ, Faxiang Hou, Qigong Research Society, Mount Laurel, New Jersey, Alan S. Lichtbroun, Psychiatry, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ

89) Abstract 1194
AN INVESTIGATION INTO THE EFFECTS OF THE CO2 CHALLENGE TEST ON INDICES OF THE HYPOTHALAMIC PITUITARY ADRENAL AXIS AND SYMPATHETIC NERVOUS SYSTEM
Kavita Vedhara, MRC HSRC, University of Bristol, Clifton, Bristol, UK, Stafford Lightman, Anna Crown, University Research Centre for Neuroendocrinology, Mark Wetherell, MRC HSRC, University of Bristol, Bristol, UK

90) Abstract 1509
REDISTRIBUTION OF IMMUNE CELLS IS REGULATED DEPENDING ON SITUATIONS: FROM THE RELATIONSHIP BETWEEN LEARNING AND IMMUNE SYSTEM
Kenta Kimura, Tokiko Isowa, Hideki Ohira, Department of Psychology, Nagoya University, Nagoya-city, Aichi-ken, Japan

91) Abstract 1150
DISCLOSURE CONSTRAINTS FOLLOWING EMOTIONAL AROUSAL: EFFECTS ON CARDIOVASCULAR REACTIVITY TO SUBSEQUENT STRESS
Kathi L. Heffner, Lynne M. Rochette, Psychology, Ohio University, Athens, OH

92) Abstract 1374
AFFECTIVE STARTLE MODULATION AND CARDIOVASCULAR STRESS REACTIVITY TYPES IN ANGER PRONE SUBJECTS
Miriam Rudat, Psychosomatic Medicine and Psychotherapy, Cora S. Weber, Hans C. Deter, Psychosomatic Medicine, Charité Universitätsmedizin Campus Benjamin Franklin, Berlin, Germany

93) Abstract 1696
INTERPERSONAL DEPENDENCY AND PHYSIOLOGICAL REACTIVITY TO INTERPERSONAL LOSS
H. Mei Ng, Kathi L. Heffner, Psychology, Ohio University, Athens, OH, Robert F. Bornstein, Psychology, Gettysburg College, Gettysburg, PA

94) Abstract 1499
INFLUENCE OF ATTENTION MANIPULATION ON COGNITION, EMOTION, AND AUTONOMIC RESPONSES
Hiroki Murakami, Hideki Ohira, Psychology, Nagoya University, Nagoya, Aichi, Japan

95) Abstract 1176
TIME COURSE EFFECTS OF UNCONTROLLABLE ACUTE STRESS ON IMMUNE AND CARDIOVASCULAR RESPONSES
Tokiko Isowa, Nursing, Mie Prefectural College of Nursing, Tsu, Mie, Japan, Hideki Ohira, Psychology, University of Nagoya, Nagoya, Aichi, Japan, Seikou Murashima, Hematology, Mie Prefectural College of Nursing, Tsu, Mie, Japan

96) Abstract 1337
LOVE AFFECTS MOOD, AUTONOMIC NERVOUS AND ENDOCRINE SYSTEMS
Matsunaga Masahiro, Psychology, Nagoya University, Nagoya, Japan, Yamauchi Taeko, Konagaya Toshihiro, Internal Medicine, Aichi Medical University School of Medicine, Nagakute, Japan, Ohira Hideki, Psychology, Nagoya University, Nagoya, Japan

97) Abstract 1187
PHYSIOLOGICAL CORRELATES OF INTERPERSONAL MISTREATMENT IN WOMEN
Rebecca A. Weigel, Tamara L. Newton, Department of Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky

98) Abstract 1227
THE PRESENCE OF SPOUSE/PARTNER DURING ACUTE STRESS TESTING ATTENUATES CARDIOVASCULAR REACTIVITY IN WOMEN
Anna C. Phillips, Douglas Carroll, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, West Midlands, UK, Kate Hunt, Geoff Der, MRC Social and Public Health Sciences Unit, University of Glasgow, Glasgow, Scotland, UK

128) Abstract 1457 (moved from Poster Session II)
SOCIAL SUPPORT AND OTHER PROTECTIVE PSYCHOLOGICAL FACTORS AMONG CARDIAC PATIENTS
Grant Grissom, Psychological Testing, Polaris Health Directions, Fairless Hills, PA, Michael Valan, Psychiatry, California Pacific Medical Center2, San Francisco, CA

129) Abstract 1455 (moved from Poster Session II)
ASSESSMENT OF PSYCHOSOCIAL RISK FACTORS IN CARDIAC PATIENTS: DESCRIPTION OF AN INNOVATIVE SYSTEM AND PRELIMINARY FINDINGS
Michael Valan, Psychiatry, California Pacific Medical Center, San Francisco, CA, Grant Grissom, Psychological Testing, Polaris Health Directions, Fairless Hills, PA

6:30-7:30pm
Mentor / Mentee Reception
Agate Room
(followed by an organized dinner at 7:45pm for trainees/students at a local restaurant, Marlowe’s. See page 5)

7:30pm
Past Leaders Dinner Meeting (By invitation)
Granite Room
transition from unconscious or implicit to conscious or explicit processes. The developmental process consists of the similar to that which Piaget described for other cognitive skill that goes through a developmental process. To become consciously aware of one’s own feelings is a cognitive-developmental model holds that the ability to “levels of emotional awareness” will be presented. This will be supported by recent neuroimaging work. It will be argued that the neural substrates of implicit and explicit emotional processes are distinct. The neural substrates of implicit aspects of emotion and three distinguishable aspects of explicit emotional processing will be reviewed: background feelings, focal attention to feelings and reflective awareness of feelings. In Part 3, the implications of this psychobiological model for research in psychosomatic medicine will be presented, including the importance of studying sustained emotional states, the need to develop state and trait measures of emotion processing deficits, the need for use of implicit emotion measures as independent variables, and the need to integrate body-based with more traditional therapeutic approaches.

Statistical Guidelines for Psychosomatic Medicine implemented a new set of statistical guidelines in 2005. The initial guidelines concern 1) how statistical methods and results are reported, 2) directional hypothesis tests, 3) artificial categorization of continuous variables, 4) automated selection regression models, 5) covariables and covariate adjustment, and 6) model validation. The guidelines have been very well received, although occasional controversies have arisen about some of them. During the year that they have been in effect, they have helped to raise the methodological quality of research reported in the journal. Additional guidelines are planned for testing interactions, subgroup analyses in clinical trials, and multiple testing procedures. The session will be led by two of the journal’s associate editors. They will discuss the guidelines, answer questions, and seek feedback from the participants about existing and planned guidelines.

There are two broad trends in psychosomatic medicine research that relate emotions to physical disease outcomes. One is that negative affect has deleterious effects on health whereas positive affect has salubrious effects. The other is that interference with the experience or expression of negative affect somehow intensifies deleterious health consequences. Given that psychometric measures of self-reported negative affect are among our most popular research tools, we may be overemphasizing one tradition at the expense of the other. In this talk, I hope to show that a brain-based approach can reconcile these two perspectives and provide direction for research in our field. The talk will consist of three parts. In Part 1, a psychological model called “levels of emotional awareness” will be presented. This cognitive-developmental model holds that the ability to become consciously aware of one’s own feelings is a cognitive skill that goes through a developmental process similar to that which Piaget described for other cognitive functions. The developmental process consists of the integration results in a pattern of brain activation generally including the thalamus and anterior cingulate, insula, prefrontal and somatosensory cortices. There is good evidence that individual structures within this pattern are responsible for particular components of pain experience such as the localisation of the pain or its affective quality. The subjectivity of pain, however, is not merely the aggregate of active brain regions but is a negotiated experience dependent upon interactions with other people. It is through these interactions that Descartes continues to haunt us.

The Brain in Pain: Why Does the Ghost of Descartes Still Haunt Us?

Stuart Derbyshire

A series of studies have demonstrated that noxious stimulation results in a pattern of brain activation generally including the thalamus and anterior cingulate, insula, prefrontal and somatosensory cortices. There is good evidence that individual structures within this pattern are responsible for particular components of pain experience such as the localisation of the pain or its affective quality. The subjectivity of pain, however, is not merely the aggregate of active brain regions but is a negotiated experience dependent upon interactions with other people. It is through these interactions that Descartes continues to haunt us.

Medical Burden and Depression (Chicken or the Egg)

David Kupfer

This presentation will review the current state of knowledge regarding bi-directional links between medical burden and depression and highlight questions that can, and should be addressed, by empirical research. In essence, the question should not be “Which comes first?” but should be driven by one’s specific research interest, whether it be “How does medical burden influence risk for depression?” or “How does depression influence the risk of chronic disease?”
Individual Presentation
Social environment, Endocrine, and Vascular Mechanisms in the Progression of Atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit
Phil McCabe
This presentation will describe our findings that a stable social environment, as opposed to an unstable environment or social isolation, slows the progression of atherosclerosis in animals genetically predisposed to development of disease. We will also present data that suggest circulating peptides may attenuate disease by antagonizing vascular oxidative stress and inflammatory processes.

Individual Presentation
Frontiers in Linking the Soul to the Health of the Body/ Mind/Brain
Lynda Powell
This presentation will review evidence for an association between religiousness/spirituality and physical health and suggest that the frontier is not whether or not this association exists but in solving the puzzle about why it exists. It will then argue that a key mechanism for this association is the link between spirituality and effective stress coping.

11:00-11:15am
Break
Capital Ballroom Foyer

11:15am-12:15pm
Invited Plenary Session: Functional Neuroanatomy and Psychophysiology of Emotion Regulation
James Gross (introduced by Richard Lane)
Capitol Ballroom 5-7

What is emotion regulation and why is it important? This session will review the history of the field of emotion regulation, and present a unifying conceptual framework for studying emotion regulatory processes. Using this framework, this session will draw upon behavioral, autonomic, and neuroimaging data to shed light on specific forms of emotion regulation, and conclude by considering possible health consequences of different forms of emotion regulation.

12:15-1:30pm
Lunch on your own OR Roundtable Lunches

Roundtable 5: Psychosocial Factors and Diet: Mechanisms and Outcomes
Lana Watkins, Anastasia Georgiade and Sheila West
Mineral Hall G

During this roundtable, we will lead an informal discussion of the current evidence linking distress with abnormal eating patterns, and of potential pathways linking eating patterns to increased risk. Creative ways to evaluate the contribution of psychosocial factors to diet in psychosomatic research will be a focus of this roundtable discussion.

Roundtable 6: Integrative Medicine Research: Challenges and Opportunities
Susan Lutgendorf, Lorenzo Cohen, and Margaret Chesney
Mineral Hall F

Many biobehavioral medicine researchers are interested in investigating complementary/alternative or integrative medicine (CAM) treatment modalities and how they can be applied within a psychosomatic medicine framework. There are many obstacles to this new area of research including methodological challenges, institutional and academic acceptance, and funding opportunities. Rigorous studies investigating CAM and biobehavioral models are very much needed. This roundtable will provide the opportunity to discuss interests and challenges in studying CAM modalities, including mind-body therapies, botanicals, energy medicine, and manipulative interventions. A large focus will be on design-related issues including appropriate control groups and outcomes. The facilitators will discuss challenges that have arisen in their own work with complementary, alternative or integrative medicine. Funding priorities of NCCAM will be addressed.

Roundtable 7: Mobilizing to Address Biopsychosocial Consequences of Disaster and Terrorism
Steven Locke, Cheryl Koopman and Joan Broderick
Granite C

There will be two brief presentations: 1) Steven Locke will present on the use of the internet for online assessment of disaster survivors and victims (Crisis Coach) and on the Disaster Knowledge Management System. He will also present on mental health screening and treatment resources for Katrina survivors at Camp Edwards in Massachusetts. 2) Joan Broderick will present on the work of the Clinical Relevance Task Force, which is proposing to include a substantial emphasis on trauma and its treatment at the 2007 APS Annual Meeting.

Roundtable 8: How to Optimize Collaboration in Neuroscientific Research
Mary-Frances O’Connor, Richard Lane, Pete Gianaros and Scott Matthews
Granite B

APS researchers tend not to be neuroscientists, but are often interested in incorporating the brain into mind-body research. Because most behavioral scientists will never become neuroscientists, this roundtable aims to promote collaboration between psychosomatic researchers and neuroscientists instead. Psychosomatic researchers are necessary for collaborations, because they have the questions, the patients and the essential skills in the phenomena of interest. For investigators to whom neuroscience is foreign, we hope to facilitate a conversation between psychosomatic researchers and neuroscientists.
Roundtable 9: Updates from the Psychosomatic Medicine Interest Groups: How We Feed the Fire
Lawson Wulsin
Granite A

Lawson Wulsin will review the APS Council’s plans for the PMIG’s and lead the discussion on future possibilities for cultivating psychosomatic medicine interest groups in medical schools. Representatives from each of the APS funded PMIG’s will be asked to attend and informally talk about what their groups have done and plan to do. Others are welcome to help generate new ideas for consolidating or expanding the program.

1:30-3:30pm
3 Concurrent Sessions

Invited Symposium
Brain Mechanisms of Pain from a Psychosomatic Medicine Perspective
Chair/Discussant: Frank Keefe; Presenters: Stuart Derbyshire, Jon-Kar Zubieta, Fabrizio Benedetti
Mineral Hall A

Dr. Derbyshire’s presentation highlights the growing interest in the possibility of a central etiology of chronic pain and the use of functional imaging to test central hypotheses. Some studies suggest a generalized decrease in brain activation in patients with chronic pain, while others note an augmented response in the prefrontal or anterior cingulate cortices and reduced response in the thalamus. The findings of functional imaging studies have been interpreted as supporting dominant themes in the clinical understanding or interpretation of functional disorders, including hypersensitivity, hypervigilance, hyperalgesia, central sensitization, stress mediated dysfunction and, encompassing all these themes, the biopsychosocial model of pain. The known interconnection of stress, negative affect and pain has led to suggestions that various stimuli ranging from injury elsewhere in the body to emotional and cognitive inputs from higher neural centers can expand, amplify or create functional symptoms. Dr. Benedetti will emphasize that the study of the placebo effect is the study of the psychosocial context around the patient. His presentation will review what we know today about some biochemical pathways that are activated by a placebo procedure as well as about the single-neuron changes occurring after placebo administration. He will also present new data about the disruption of these placebo mechanisms in Alzheimer’s disease. Dr. Zubieta will present and discuss experiments studying the effects of placebo on opioid neurotransmission under conditions of expectation of analgesia. The quantification of µ-opioid receptor availability with PET permitted the evaluation of placebo-induced activation of antinociceptive neurotransmission directly in human subjects. Individual differences in the response of this neurotransmitter system to expectations of analgesia will be highlighted, together with the factors that appear to explain that variability. Dr. Keefe will close the symposium with a comment on the implications of these studies from the perspective of someone who has been heavily involved in clinical pain research and practice.

Symposium 1151
SLEEP IN PSYCHOSOMATIC RESEARCH: RISK FACTORS, CONSEQUENCES TO HEALTH, AND BEHAVIORAL INTERVENTIONS
Chair: Martica Hall
Mineral Hall B-C

Individual Abstract Number:1258
NOCTURNAL REVERBERATIONS OF ADVERSITY: THE EFFECT OF SOCIAL CLASS, ETHNICITY, AND STRESS ON NOCTURNAL BLOOD PRESSURE AND SLEEP ARCHITECTURE
Joel E. Dimsdale, Sonia Ancoli-Israel, Wayne Barchwell, Jose Loredo, KaMala Thomas, Carl Stepnowsky, Psychiatry, University of California, San Diego

Individual Abstract Number:1259
FINANCIAL BURDEN AS A CORRELATE OF DISTURBED SLEEP IN THE ELDERLY
Martica Hall, Daniel Buysse, Eric Nofzinger, Charles Reynolds, Timothy Monk, Psychiatry, University of Pittsburgh

Individual Abstract Number:1246
BLOOD PRESSURE DIPPING STATUS AND SLEEP QUALITY
Karen Matthews, Martica Hall, Thomas Kamarck, Jane Owens, Daniel Buysse, Steven Reis, Patrick Strollo, University of Pittsburgh

Individual Abstract Number:1403
DISTURBED SLEEP DURING PREGNANCY IS ASSOCIATED WITH CHANGES IN IN VITRO CYTOKINE PRODUCTION
Michele L. Okun, Psychiatry, University of Pittsburgh, Mary Coussons-Read, Psychology, University of Colorado Denver

Individual Abstract Number:1358
COMPARATIVE META-ANALYSIS OF BEHAVIORAL INTERVENTIONS FOR INSOMNIA: EFFICACY IN ADULTS AND IN ADULTS 55+ YEARS
Michael R. Irwin, Jason C. Cole, Perry M. Nicassio, Psychiatry, Cousins Center, UCLA Semel Institute

Paper Session
Clinical CVD: Biological, Psychological and Social Correlates
Chair: Tim Smith
Mineral Hall D-E

Abstract 1695
PRO-INFLAMMATORY RESPONSES TO MENTAL STRESS AND EXERCISE IN CARDIAC PATIENTS
Friday, March 3, 2006

Individual Abstract Number:1469
JOHN HENRYISM: ENVIRONMENT AND GENES
Keith Whitfield, Biobehavioral Health, The Pennsylvania State University, Dwayne T. Brandon, Health Policy and Management, Johns Hopkins, Bloomberg School of Public Health

Individual Abstract Number:1472
JOHN HENRYISM IN ASSOCIATION WITH NEO PI-R DOMAINS
Charles R. Jonassaint, Psychology, Duke University, Christopher L. Edwards, Psychiatry and Medicine, Duke University Medical Center, Irene Siegel, Psychiatry, Duke University, Paul Costa, National Institute of Aging, Redford B. Williams, Psychiatry and Medicine, Duke University, John C. Barefoot, Psychiatry, Duke University Medical Center

Individual Abstract Number:1473
AFFECTIVE RESPONSE TO MENTAL STRESS AND THE JOHN HENRYISM HYPOTHESIS
Marcellus M. Merritt, Psychology, Rachel Ryan, Cleveland State University, Gary G. Bennett, School of Public Health, Harvard University, Christopher L. Edwards, Psychiatry and Medicine, Duke University Medical Center

Individual Abstract Number:1475
JOHN HENRYISM, CHRONIC PAIN AND MORBIDITY IN PATIENTS WITH SICKLE CELL DISEASE (SCD)
Christopher L. Edwards, Psychiatry and Medicine, Duke University Medical Center, April Hargrove, Camela McDougald, Psychology, North Carolina Central University, Gary G. Bennett, Harvard School of Public Health, Mary Wood, Psychiatry, Laura DeCastro, Hematology, Duke University Medical Center, Elwood Robinson, Psychology, North Carolina Central University, Miriam Felia, Psychiatry, Jude C. Jonassaint, Hematology, Veeraindar Goli, Psychiatry, Duke University Medical Center

Paper Session
CVD: Risk Factors
Chair: Joachim Fischer
Mineral Hall D-E

Abstract 1165
BLOOD LEAD (PB) LEVELS: A POTENTIAL ENVIRONMENTAL MECHANISM EXPLAINING THE RELATION BETWEEN SOCIOECONOMIC STATUS AND CARDIOVASCULAR REACTIVITY IN CHILDREN
Brooks B. Gump, Jacki Reihman, Paul Stewart, Ed Lonky, Tom Darvill, Psychology, State University of New York at Oswego, Oswego, NY, Karen A. Matthews, Psychiatry, Epidemiology, and Psychology, University of Pittsburgh School of Medicine, Pittsburgh, PA

Abstract 1496
PHYSIOLOGICAL RESPONSES TO STRESS OVER THE ADOLESCENT TRANSITION: PERFORMANCE VS. SOCIAL REJECTION STRESS
Laura R. Stroud, Psychiatry, Brown Medical School, Providence, RI, Kathryn Handwerger, Psychology, Tufts University, Medford, MA, Douglas Granger, Biobehavioral Health, Pennsylvania State University, University Park, PA, Catherine Solomon, Raymond Ni aura, Psychiatry, Brown Medical School, Providence, RI

Abstract 1450
BLUNTED CENTRAL SEROTONERGIC RESPONSIVITY IS ASSOCIATED WITH PRECLINICAL VASCULAR DISEASE
Matthew F. Muldoon, Medicine, Rachel H. Mackey, Kim Sutton-Tyrrell, Epidemiology, University of Pittsburgh, Pittsburgh, PA, Janine D. Flory, Psychiatry, Mt. Sinai School of Medicine, New York, NY, Bruce G. Pollock, Psychiatry, University of Toronto, Toronto, ON, Canada, Stephen B. Manuck, Psychology, University of Pittsburgh, Pittsburgh, PA

Abstract 1371
PSYCHOSOCIAL STRESS AND ATHEROSCLEROSIS
Kristina Orth-Gomér, Public Health Sciences, Karolinska Institutet, Stockholm, Sweden

Abstract 1731
MARITAL CONFLICT BEHAVIOR AND CORONARY ARTERY CALCIFICATION
T W. Smith, C Berg, B N. Uchino, P Florsheim, G Pearce, Psychology, University of Utah, Salt Lake City, UT

Abstract 1206
PHYSICAL FITNESS ATTENUATES LEUKOCYTE-ENDOTHelial ADHESION IN RESPONSE TO ACUTE PHYSICAL STRESS
Paul J. Mills, Psychiatry, University of California, San Diego (UCSD), La Jolla, CA, Saiz Hong, Psychiatry, Steven M. Carter, Albert Chiu, Laura Redwine, Michael G. Ziegler, Medicine, Joel E. Dimsdale, Psychiatry, Alan S. Maisel, Medicine, UCSD, San Diego, CA

5:15-6:30pm
Poster Session II
Capitol Ballroom 1-4

99) Abstract 1438
MINDFULNESS-BASED STRESS REDUCTION AND ACUTE STRESS RESPONSES IN WOMEN WITH CANCER
Laura E. Van Wielingen, Tavis S. Campbell, Psychology, University of Calgary, Calgary, Alberta, Canada, Linda E. Carlson, Oncology, University of Calgary, Calgary, AB, Canada

100) Abstract 1595
SOMATIZATION SCORES PREDICT SURVIVAL OF HEMATOLOGIC MALIGNANCY PATIENTS UNDERGOING BLOOD OR MARROW TRANSPLANTATION
Kevin T. Larkin, Angela J. Lowery, Psychology, West Virginia University, Morgantown, WV, Solveig G. Ericson, Hematology/Oncology, WVU Hospitals, Morgantown, WV, Cara F. O’Connell, Andrea K. Shreve-Neiger, Brandie K. Taylor, Andria Doyle, Psychology, West Virginia University, Morgantown, WV

101) Abstract 1633
EXPANDING RURAL ACCESS: DISTANCE DELIVERY OF BREAST CANCER SUPPORT GROUPS
Cheryl Koopman, Psychiatry & Behavioral Sciences, Stanford University, Stanford, CA, Mary Anne Kreshka, Sierra College, Nevada City, CA, Susan Ferrier, Northern Sierra Rural Health Network, Nevada City, CA, Kate Collie, Psychiatry & Behavioral Sciences, Stanford University, Stanford, CA, Rebecca Parsons, Northern Sierra Rural Health Network, Nevada City, CA, Kathy Graddy, Graddy Graphic Design, San Francisco, CA, Xin-Hua Chen, Psychiatry & Behavioral Sciences, Stanford University, Stanford, CA, Speranza Avram, Northern Sierra Rural Health Network, Northridge, CA
102) Abstract 1623
PRE-SURGICAL PSYCHOSOCIAL PREDICTORS OF DYSREGULATED DIURNAL CORTISOL AMONG WOMEN WITH SUSPECTED ENDOMETRIAL CANCER

103) Abstract 1589
BRIEF SYMPTOM INVENTORY-18 SCORES PREDICT GLOBAL FUNCTIONING AMONG HOSPITALIZED HEMATOLOGIC MALIGNANCY PATIENTS
Angela J. Lowery, Kevin T. Larkin, Psychology, West Virginia University, Morgantown, WV, Solveig G. Ericson, Hematology/Oncology, WVU Hospitals, Morgantown, WV, Cara F. O’Connell, Andrea K. Shreve-Neiger, Brandie K. Taylor, Psychology, West Virginia University, Morgantown, WV

104) Abstract 1480
EFFECTS OF A PSYCHOSOCIAL MULTIMODAL RETREAT PROGRAM ON THE MARITAL RELATIONSHIP AND QUALITY OF LIFE OF PALLIATIVE CANCER PATIENTS AND THEIR PARTNERS
Sheila N. Garland, Psychology, University of Calgary, Calgary, Alberta, Canada, Linda E. Carlson, Oncology, Steve Simpson, Medicine, University of Calgary, Calgary, Alberta, Canada

105) Abstract 1477
RELATIONSHIPS BETWEEN PSYCHOLOGICAL STRESS AND SALIVARY CORTISOL IN WOMEN WITH AND WITHOUT BREAST CANCER
Sheila N. Garland, Psychology, University of Calgary, Calgary, Alberta, Canada, Linda E. Carlson, Oncology, Steve Simpson, Medicine, University of Calgary, Calgary, Alberta, Canada, Tavis Campbell, Psychology, University of Calgary, Calgary, Alberta, Canada, Paul Grossman, Psychology, University of Freiburg & FIMR, Freiburg, Germany

106) Abstract 1806
WHICH PSYCHOSOCIAL CHARACTERISTICS INFLUENCE RECEIVING A RECOMMENDATION FOR COLORECTAL CANCER SCREENING?
Maida J. Sewitch, Medicine, Martin Dawes, Mark Yaffe, Family Medicine, Linda Snell, Medicine, Mark Roper, Family Medicine, Patricia Zanelli, Pascal Burtin, Medicine, Alan Pavilans, Family Medicine, McGill University, Montreal, Quebec, Canada, Caroline Fournier, Clinical Epidemiology, McGill University Health Centre, Montreal, Quebec, Canada

107) Abstract 1461
PRE-TREATMENT FATIGUE AND CELLULAR IMMUNITY IN CERVICAL CANCER PATIENTS
Stephanie L. McGinn, Susan Latendorf, Heena Maiseri, Psychology, Koen DeGeest, Barrie Anderson, OB/GYN, U. of Iowa, Iowa City, IA, Joel Sorosky, OB/GYN, Hartford Hospital, Hartford, CT, David Labaroff, Urology, U. of Iowa, Iowa City, IA

108) Abstract 1128
A SIMPLE, COST-EFFECTIVE, LEAFLET CAN REDUCE DISTRESS DURING HEALTH RISK ASSESSMENT
Paul Bennett, Psychology, University of Wales Swansea, Swansea, United Kingdom

109) Abstract 1566
EFFECTS OF CHEMOTHERAPY AND RECENT HORMONE REPLACEMENT THERAPY TERMINATION ON FATIGUE, SLEEP AND MOOD IN BREAST CANCER
Paula S. McKinley, Felice A. Tager, Ulya Habif, Lina D’Orazio, Claire Golden, Sandra B. Kuhl, Margery Frosch, Psychiatry, Freya Schnabel, Mahmoud El-Tamer, Surgery, Dawn Hershman, Medicine / Oncology, Columbia University Medical Center, New York, NY

110) Abstract 1626
MALADAPTIVE INTERPERSONAL COPING PREDICTS POORER SURGICAL RECOVERY AMONG WOMEN WITH ENDOMETRIAL CANCER
S. Jensen, N. Cross, L. Yuill, M. Hosonitz; Clinical & Health Psychology, D. Ripley, L. Morgan, Obstetrics & Gynecology, D. Pereira, Clinical & Health Psychology, University of Florida, Gainesville, FL

111) Abstract 1322
ETHNIC DISCRIMINATION AS A MODERATOR OF BLOOD PRESSURE REACTIVITY TO INTERPERSONAL STRESS
Kristen Salomon, Kristi E. White, Nicole E. Jagusztyn, Psychology, University of South Florida, Tampa, Florida

112) Abstract 1504
WHICH PATIENTS ARE PRONE TO SUFFER FROM AMPLIFIED INTRACARDIAC PAIN PERCEPTION? A CART ANALYSIS OF PSYCHOPHYSIOLOGICAL AND AFFECTIVE CONDITIONS ASSOCIATED WITH CARDIOVERTER DEFIBRILLATOR SHOCK DISCHARGES
Karl Heinz Ladwig, Psychosomatic Department, Technical University of Munich, München, Bavaria, Germany, Jens J. Baumert, Institute of Epidemiology, GSF Nat. Research Centre for Environment and Health, Neuherberg, Bavaria, Germany, Claus Schmitt, Deutsches Herz-Zentrum Muenchen, Technical University of Munich, Munich, Bavaria, Germany

113) Abstract 1311
DEPRESSION IN CONGESTIVE HEART FAILURE: A META-ANALYTIC REVIEW OF PREVALENCE AND ASSOCIATIONS WITH CLINICAL OUTCOMES
Thomas Rutledge, Psychiatry, VA Medical Center/UC San Diego, San Diego, CA, Sarah Linke, Psychology, UC San Diego, San Diego, Veronica Reis, Psychology, USC, San Diego

114) Abstract 1286
ACUTE VERSUS RECURRENT DEPRESSION SYMPTOMS IN THE PREDICTION OF CARDIAC RISK IN WOMEN WITH SUSPECTED MYOCARDIAL ISCHEMIA: THE NHLBI-SPONSORED WISE STUDY
Thomas Rutledge, Psychiatry, UC San Diego, San Diego, CA, Marian B. Olson, Epidemiology, University of Pittsburgh, Pittsburgh, PA, C. Noel Bairey Merz, Medicine, Cedars-Sinai Medical Center, Los Angeles, CA, Carol E. Cornell, Health Behavior and Health Education, University of Arkansas for Medical Sciences, Little Rock, AR, William J. Rogers, Medicine, University of Alabama at Birmingham, Birmingham, AL, Sheryl F. Kelsey, Epidemiology, University of Pittsburgh, Pittsburgh, PA
115) Abstract 1355
COMPARISON OF ENDOTHELIAL FUNCTION AND THE COMPONENTS OF THE METABOLIC SYNDROME IN THE PREDICTION OF CORONARY ARTERY DISEASE
A. Arsenault, K. L. Lavoie, B. Meloche, P. R. Stebenne, Nuclear Medicine, Montreal Heart Institute, Montreal, QC, Canada, J. Veldhuijzen van Zanten, Sportex, University of Birmingham, Birmingham, W. Mids., UK, S. L. Bacon, Nuclear Medicine, Montreal Heart Institute, Montreal, QC, Canada

116) Abstract 1288
DISTINCTIVE CHARACTERISTICS OF SEVERE DEPRESSION AFTER CORONARY BYPASS SURGERY
Judith A. Skala, Kenneth E. Freedland, Robert M. Carney, Psychiatry, Rebecca L. Reese, Psychology, Eugene H. Rubin, Psychiatry, Washington University, St. Louis, Missouri

117) Abstract 1369
HEART RATE VARIABILITY AND DAILY LIFE EMOTIONAL CHANGES: DIFFERENTIAL RELATIONSHIPS IN CAD PATIENTS WITH SUDDEN DEATH VULNERABILITY VERSUS STABLE CAD PATIENTS
Sari D. Schwartz, David S. Krantz, Chiao-Wen Hsiao, Anna Ghambaryan, Willem J. Kop, Uniformed Services University of the Health Sciences, Bethesda, MD, John S. Gottlinder, University of Maryland Medical Center, Baltimore, MD

118) Abstract 1437
ANGER-OUT, BUT NOT ANGER-IN OR SEVERITY OF DEPRESSIVE SYMPTOMS, IS ASSOCIATED WITH MARKERS OF INFLAMMATION IN HEALTHY YOUNG ADULTS
Bruce R. Wright, Psychology, Health and Wellness Services, Timothy Freson, Health and Wellness Services, Jennifer E. Stevenson, Psychology, Washington State University, Pullman, WA

119) Abstract 1452
LONG-TERM COURSE OF DEPRESSION AFTER ACUTE MYOCARDIAL INFARCTION
Kenneth E. Freedland, Psychiatry, Washington University, St. Louis, Missouri, Carlos F. Mendes de Leon, Epidemiology, Rush, Chicago, IL, William B. Howells, Psychiatry, Washington University, St. Louis, Missouri, Gail Ironson, Psychology, University of Miami, Coral Gables, Florida, James A. Blumenthal, Psychiatry, Duke University, Durham, North Carolina

120) Abstract 1386
CARDIOVASCULAR REACTIVITY DURING NICOTINE AND NICOTINE ABSTINENCE CONDITIONS: DO HABITUAL SMOKERS AND TOBACCO “CHIPPERS” DIFFER?
Melissa M. VanderKaan, Stephen M. Patterson, Psychology, Ohio University, Athens, Ohio

121) Abstract 1389
CURRENT DEPRESSION BUT NOT HISTORY OF DEPRESSION IS ASSOCIATED WITH IMPAIRED HEALTH STATUS FOLLOWING MYOCARDIAL INFARCTION
Elisabeth Martens, Susanne Pedersen, Johan Denollet, Medical Psychology, Tilburg University, Tilburg, The Netherlands

122) Abstract 1406
COMPARISON OF SYMPTOMS OF DEPRESSION IN INDIVIDUALS WITH DIABETES AT LOW AND HIGH 10-YEAR ABSOLUTE RISK FOR CHD
S. M. Barry-Bianchi, A. E. Mechetnic, Cardiology, UHN, Toronto, ON, Canada, M. Corace, Psychology, York University, Toronto, ON, Canada, R. P. Nolan, Cardiology, UHN, Toronto, ON, Canada

123) Abstract 1351
DIFFERENTIAL EXHAUSTION OF REPEATED HYPERAEMIC REACTIVITY IN CARDIAC PATIENTS AND NORMAL PARTICIPANTS
Bernard Meloche, Simon L. Bacon, Kim L. Lavoie, Philippe R. Stebenne, Nuclear Medicine, Montreal Heart Institute, Montreal, QC, Canada, J. Veldhuijzen van Zanten, Sportex, University of Birmingham, Birmingham, W. Mids., UK, Andre Arsenault, Nuclear Medicine, Montreal Heart Institute, Montreal, QC, Canada

124) Abstract 1719
PARENTAL EDUCATION AND HOUSEHOLD INCOME RELATE TO CARDIOVASCULAR BIOMARKERS IN YOUTH
Jennifer J. McGrath, Psychology, Concordia University, Montreal, QC, Canada, Marie Lambert, Department of Pediatrics, University of Montreal, St. Justine Hospital, Montreal, QC, Canada, Jennifer O’Loughlin, Gilles Paradis, Epidemiology & Biostatistics, McGill University, Montreal, QC, Canada, Tracie A. Barnett, Social and Preventive Medicine, University of Montreal, Montreal, QC, Canada

125) Abstract 1332
DIFFERENTIATING DEPRESSION AND VITAL EXHAUSTION IN CARDIAC PATIENTS
Otto R. Smith, Angelique A. Schiffer, Medical Psychology, Tilburg University, Tilburg, Netherlands, Jobst B. Winter, Cardiology, Tweeesteden Hospital, Tilburg, Netherlands, Johan Denollet, Medical Psychology, Tilburg University, Tilburg, Netherlands

126) Abstract 1289
MEDICATION NON-ADHERENCE PREDICTS ADVERSE CARDIOVASCULAR OUTCOMES: DATA FROM THE HEART AND SOUL STUDY
Mary A. Whooley, Medicine, Epidemiology and Biostatistics, University of California, San Francisco, San Francisco, CA, Sadia Ali, San Francisco, CA, Anil Ghei, Zena and Michael A. Wiener Cardiovascular Institute, Mt. Sinai School of Medicine, New York, NY

127) Abstract 1342
CABG SURGERY TIME AND NUMBER OF GRAFTS ARE NOT ASSOCIATED WITH POST-CABG MOOD SYMPTOMS
Vinayak A. Hegde, Nosheen Javed, Jamie L. Stern, Internal Medicine, Western Pennsylvania Hospital, Pittsburgh, PA, Bea Herbeck Bellnap, Medicine, Fang Zhu, Biostatistics, University of Pittsburgh, Pittsburgh, PA, Charles F. Reynolds III, Bruce L. Rollman, Medicine, University of Pittsburgh, Pittsburgh, PA, United States of America

Abstracts 1457 (128) and 1455 (129) have been moved to Poster Session I on Thursday, March 2, 5:15 - 6:30pm
130) Abstract 1339
PRE-CABG LEFT VENTRICULAR EJECTION FRACTION IS ASSOCIATED WITH POST-CABG DISEASE-SPECIFIC QUALITY OF LIFE BUT NOT GENERIC QUALITY OF LIFE OR MOOD SYMPTOMS
Nosheen Javed, Vinyak Hegde, Jamie L. Stern, Internal Medicine, Western Pennsylvania Hospital, Pittsburgh, PA, Bea Herbeck Belnap, Medicine, Fang Zhu, Biostatistics, University of Pittsburgh, Pittsburgh, PA, Charles F. Reynolds III, Psychiatry, Bruce L. Rollman, Medicine, University of Pittsburgh, Pittsburgh, PA, United States of America

131) Abstract 1291
DO DEPRESSED PATIENTS SELF-REPORT ADHERENCE TO MEDICATIONS DIFFERENTLY THAN NON-DEPRESSED PATIENTS?
Ian Kronish, Internal Medicine, Mount Sinai School of Medicine, New York, NY, Nina Rieckmann, Psychiatry, Mount Sinai School of Medicine, New York, NY, Karina W. Davidson, Internal Medicine, Columbia University, New York, NY

132) Abstract 1330
A GRIMACE WITHIN THE HEART: EMOTIONAL SUPPRESSION DURING AFFECTIVE PICTURE PROCESSING
Vincent D. Costa, Joshua M. Smyth, Psychology, Syracuse University, Syracuse, NY, Francesco Versace, Psychology, University of Florida, Gainesville, FL

133) Abstract 1518
SOCIAL ISOLATION AND DEPRESSION ARE DIFFERENTIALLY RELATED TO HEALTH BEHAVIORS AFTER ACUTE CORONARY SYNDROMES
Manuel Paz-Yepes, Cardiovascular Institute, Nina Rieckmann, Psychiatry, Ian Kronish, Medicine, Mount Sinai School of Medicine, New York, NY, Matthew M. Burg, Medicine, Columbia University, New York, NY, Joseph E. Schwartz, Psychiatry, Stony Brook University, Stony Brook, NY, Karina W. Davidson, Medicine, Columbia University, New York, NY

134) Abstract 1407
HEART RATE VARIABILITY, CORONARY HEART DISEASE, AND DEPRESSION: THE ROLE OF ANTIDEPRESSANTS
Takuya Hasegawa, Louis T. van Zyl, Paul R. Davidson, Psychiatry, Queen’s University, Kingston, Ontario, Canada

135) Abstract 1430
ANHEDONIA BUT NOT DEPRESSED MOOD IS RELATED TO HIGHER WAIST-TO-HIP RATIOS IN POST-ACUTE CORONARY SYNDROME PATIENTS
Lucia Dettenborn, General Medicine, Columbia University, New York, NY, New York, Nina Rieckmann, Robert J. Paulino, Stephen K. Williams, Integrative Behavioral Cardiology, Mount Sinai School of Medicine, New York, New York, Karina W. Davidson, General Medicine, Columbia University, New York, New York

136) Abstract 1420
PSYCHOLOGICAL DISTRESS AND MORTALITY: A META-ANALYSIS
Lucia Dettenborn, Antoinette M. Schoenthaler, Elizabeth Mostofsky, Karina W. Davidson, General Medicine, Columbia University, New York, New York

137) Abstract 1405
COURSE AND PROGNOSIS OF ACUTE TINNITUS AURUM
Burkard Jaeger, Peter Malewski, Friedhelm Lamprecht, Psychosomatics and Psychotherapy, Hannover Medical School, Hannover, Germany

138) Abstract 1141
EFFECTS OF CAFFEINE AND STRESS ON CORTISOL AND SERIAL SUBTRACTION PERFORMANCE IN YOUNG MEN
Jeanette M. Bennett, Courtney A. Whetzel, Biobehavioral Health, Frank E. Ritter, Information Sciences and Technology, & Psychology, Andrew L. Reifers, Information Sciences and Technology, Laura Cousins Klein, Biobehavioral Health, Penn State University, University Park, PA

139) Abstract 1039
DIURNAL SALIVARY CORTISOL CYCLE AND COGNITIVE PERFORMANCE IN OLDER ADULTS WITH SUBJECTIVE COMPLAINTS OF MEMORY DEFICITS AND/OR DEPRESSION
A. J. Fiocco, N Wan, S J. Lupien, Verdun, QC, CAN, H Pim, Neurology, U of M, Montreal, QC, CAN, N Weekes, Psychology, Pomona College, Claremont, CA

140) Abstract 1248
ATTACHMENT & CORTISOL REACTIVITY TO ACUTE STRESS
Heather N. Musselman, Psychology, Indiana University Purdue University Indianapolis, Indianapolis, IN, Natalie Hamrick, Anesthesia, Indiana University School of Medicine, Indianapolis, IN, Andrea T. Shafer, Angela E. Swift, Joshua Dyer, Hsin-Hua Lin, Psychology, Indiana University Purdue University Indianapolis, Indianapolis, IN, Jiaping Zhang, Department of Psychiatry and Psychology, The Cleveland Clinic Foundation, Cleveland, OH

141) Abstract 1037
MENTAL HEALTH, DIURNAL RHYTHM AND AWAKENING CORTISOL RESPONSE IN MIDTERM AND LATE PREGNANT WOMEN
Mitsue Nagamine, Adult Mental Health, National Institute of Mental Health, Tokyo, Japan, Satoru Saito, Fundamental Research, Joso Research Center, Pigeon Corporation, Ibaraki, Japan, Hideki Okabayashi, Psychology, Meisei University, Tokyo, Japan, Yoshitaka Kim, Adult Mental Health, National Institute of Mental Health, Tokyo, Japan

142) Abstract 1092
INDIVIDUAL VARIATION IN NEUROENDOCRINE PHENOTYPES
Sarah Short, Christopher Coe, Psychology, University of Wisconsin, Madison, Madison, WI

143) Abstract 1244
THE TEMPORAL SEQUENCE BETWEEN ANGER, ANXIETY, TRYPTOPHAN AND NEOPTERIN DURING AN INFECTIOUS EPISODE IN AN OTHERWISE HEALTHY WOMAN
Christian Schubert, Department of Medical Psychology and Psychotherapy, Leo Huber, Department of Psychiatry, Innsbruck Medical University, Innsbruck, Austria, Günter Schiepek, Clinic for Psychosomatic Medicine and Psychotherapy, University Hospital of the RWTH Aachen, Aachen, Germany, Willi Geser, Institute of Psychology, University Innsbruck, Innsbruck, Austria, Gerhard Schüßler, Department of Medical Psychology and Psychotherapy, Dietmar Fuchs, Division for Biological Chemistry, Biocentre, Innsbruck Medical University, Innsbruck, Austria
144) Abstract 1354
AN FMRI INVESTIGATION OF MINDFULNESS AND AFFECT REGULATION
J. David Creswell, Department of Psychology, University of California, Los Angeles, Los Angeles, CA, Naomi I. Eisenberger, Psychiatry and Biobehavioral Sciences, Cousins Center for Psychoneuroimmunology, UCLA, Los Angeles, CA, Matthew D. Lieberman, Department of Psychology, University of California, Los Angeles, Los Angeles, CA

145) Abstract 1256
FEELINGS OF USEFULNESS TO OTHERS AND INDICATORS OF SUBCLINICAL INFLAMMATION IN OLDER ADULTS
Tara L. Gruenewald, Teresa E. Seeman, Medicine/Geriatrics, University of California, Los Angeles, Los Angeles, CA

146) Abstract 1261
BIOLOGICAL AND NEUROCOGNITIVE CORRELATES OF EMOTIONAL-APPROACH COPING
Sarah L. Master, Psychology, UCLA, Los Angeles, CA, David M. Amodio, Psychology, NYU, New York, NY, Clayton J. Hilmert, Psychology, North Dakota State University, Fargo, ND, Annette L. Stanton, Cindy M. Yee, Clinical Psychology, Shelley E. Taylor, Psychology, UCLA, Los Angeles, CA

147) Abstract 1276
PERITONEAL CYTOKINES ARE ASSOCIATED WITH REPORTS OF FATIGUE FOLLOWING MAJOR ABDOMINAL SURGERY
Johanna Paddison, Molecular Medicine, A Hill, Surgery, L Cameron, Psychology, R Booth, Molecular Medicine, The University of Auckland, Auckland, New Zealand

148) Abstract 1411
PLASMA FATTY ACIDS ARE ASSOCIATED WITH NORMATIVE VARIATION IN MOOD, PERSONALITY AND BEHAVIOR
S. M. Conklin, Psychiatry, Univ of Pittsburgh, Pittsburgh, PA, J. I. Harris, Psychiatry, Brown Univ, Providence, RI, S. B. Manuck, Psychology, Univ of Pittsburgh, Pittsburgh, PA, J. R. Hibbell, LMBB, NIH, Rockville, MD, M. F. Muldoon, Medicine, Univ of Pittsburgh, Pittsburgh, PA

149) Abstract 1228
STRESSFUL LIFE EVENTS EXPOSURE IS ASSOCIATED WITH 10-YEAR MORTALITY, BUT IT IS HEALTH-RELATED EVENTS THAT PROVE MOST STRONGLY PREDICTIVE
Anna C. Phillips, Douglas Carroll, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, UK, Kate Hunt, Geoff Dex, MRC Social and Public Health Sciences Unit, University of Glasgow, Glasgow, UK

150) Abstract 1488
RESEARCH ON LIFE EVENTS AND COPING WAY OF HAN AND ZHUANG NATIONALITY STUDENTS IN JUNIOR HIGH SCHOOL IN CHINA
Mingyu Deng, psychosomatic medicine, International Chinese Psychosomatic Medicine Journal, Kun Gardens Hills, NY, Yonggui Li, Guolin Medical College, Guillin, Guangxi, China, Shiyun Luo, Guangxi Children Troupe, Nanning, Guangxi, China

151) Abstract 1534
SINGLE ITEMS FROM A QUALITY OF LIFE QUESTIONNAIRE AND THEIR ASSOCIATION WITH PSYCHOLOGICAL DISTRESS IN OUTPATIENTS WITH VITILIGO
Francesca Sampogna, Desanka Raskovic, Liliana Guerra, Cristina Pedicelli, Stefano Tabolli, Danilo Abeni, Istituto Dermopatico dell'Immacolata IDI-IRCCS, Rome, Italy

152) Abstract 1521
EFFECTS OF INTRANASAL OXYTOCIN ON STRESS RESPONSES DURING COUPLE CONFLICT
Beate Ditzen, Psychiatry and Behavioral Sciences, Emory University School of Medicine, Atlanta, Georgia, Esther Goetz, Mirja Henni, Sabina Studhalter, Clinical Psychology and Psychotherapy, University of Zurich, Institute of Psychology, Zurich, Switzerland, Gay Bodenmann, Marcel Schuer, Institute for family research and counseling, University of Fribourg, Fribourg, Switzerland, Ulrike Ehler, Markus Heinrichs, Clinical Psychology and Psychotherapy, University of Zurich, Institute of Psychology, Zurich, Switzerland

153) Abstract 1507
SENSE OF CONTROL AND EMOTIONAL COMPLEXITY
Elin B. Strand, Behavioural Sciences in Medicine, University of Oslo, Oslo, Norway, John W. Reich, Alex j. Zautra, Psychology, Arizona State University, Tempe, Arizona

154) Abstract 1174
DOES PERSONALITY PREDICT BLOOD PRESSURE OVER A TEN YEAR PERIOD?
Jocelyne A. Leclerc, Michelle Bahn, Wolfgang Linden, Psychology, University of British Columbia, Vancouver, BC, Canada

155) Abstract 1268
HYPERTENSION LABELING IS ASSOCIATED WITH ANXIETY AND THE WHITE COAT EFFECT
Tanya M. Goyal, Thomas G. Pickering, Medicine, Columbia University, New York, NY, Joseph E. Schwartz, Psychiatry, SUNY Stony Brook, Stony Brook, NY, Gbenga Ogedegbe, Juhee Jhalani, Lynn Clemon, William Gerin, Medicine, Columbia University, New York, NY

156) Abstract 1526
DAILY STRESS, COPING, AND NOCTURNAL BLOOD PRESSURE DIPPING
Sean R. O’Quinn, Kevin T. Larkin, Psychology, West Virginia University, Morgantown, WV

157) Abstract 1487
CYTOKINE RESPONSE TO EXERCISE & LIPOPOLYSACCHARIDE (LPS) IN NORMAL AND HIGH BLOOD PRESSURE (BP)
Meredith A. Pung, Suzi Hong, Psychiatry, University of California, San Diego, CA, Frank P. Zaldivar, Pediatrics, University of California, Irvine, CA, Steven Carter, Medicine, University of California, San Diego, CA, Dan M. Cooper, Pediatrics, University of California, Irvine, CA, Paul J. Mills, Psychiatry, University of California, San Diego, CA
158) Abstract 1195
SYSTEMIC HYPERTENSION AND PHYSIOLOGICAL STRESS REACTIVITY: ROLE OF SOCIAL SUPPORT AND EMOTIONAL REGULATION
Petra H. Wirtz, Clinical Psychology and Psychotherapy, Psychological Institute, University of Zurich, Zurich, Switzerland; Roland Von Kanel, General Internal Medicine, University Hospital, Berne, Switzerland; Ulrike Ehler, Psychosomatic Medicine, Charité Universitätsmedizin, Berlin, Germany; Julian F. Thayer, Emotions and Quantitative Psychophysiology Unit, National Institute on Aging, Baltimore, USA; Miriam Rudat, Psychosomatic Medicine, Charité Universitätsmedizin, Berlin, Germany

159) Abstract 1396
CYCNI CAL HOSTILITY, POSTURE, AND ACUTE AMBULATORY BLOOD PRESSURE CHANGES IN COMMUNITY-RESIDING MEN
James Bande, Jerry Suls, Psychology, Rene Martin, Adult and Gerontological Nursing, University of Iowa, Iowa City, IA; John B. Nezlek, Psychology, College of William & Mary, Williamsburg, VA

160) Abstract 1186
THE CONTRIBUTION OF STRESS HORMONES TO THE HYPERCOAGULABLE STATE IN SYSTEMIC HYPERTENSION
Roland von Kanel, General Internal Medicine, University Hospital, Berne, Switzerland; Ulrike Ehler, Psychosomatic Medicine, Charité Universitätsmedizin, Berlin, Germany; Katharina Rudisuli, Sara Groessbauer, Petra H. Wirtz, Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Switzerland

161) Abstract 1262
SALT SENSITIVE NORMOTENSIVE MALES SHOW ENHANCED CORTISOL AND REDUCED HEART RATE VARIABILITY DURING MENTAL STRESS
Cora S. Weber, Psychosomatic Medicine, Charité Universitätsmedizin, Berlin, Germany; Julian F. Thayer, Emotions and Quantitative Psychophysiology Unit, National Institute on Aging, Baltimore, USA; Miriam Rudat, Psychosomatic Medicine, Charité Universitätsmedizin, Berlin, Germany; Frank H. Porschel, Inst of Clinical Biochemistry and Pathobiocemistry, Hans C. Deter, Psychosomatic Medicine, Charité Universitätsmedizin, Berlin, Germany

162) Abstract 1080
MARRIAGE, JOB AND SUSTAINED BLOOD PRESSURE: THE ROLE OF CONSISTENT ENVIRONMENT
Brian Baker, Psychiatry, University of Toronto, Toronto, Ontario, Canada; Alex Kiss, Research Design and Biostatistics, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada; Sheldon W. Tobe, Medicine, University of Toronto, Toronto, Ontario, Canada

163) Abstract 1460
HOSTILITY, FORGIVENESS, AND CARDIOVASCULAR REACTIVITY IN RESPONSE TO ANGER PROVOCATION
Danielle H. Hernandez, Kevin T. Larkin, Psychology, West Virginia University, Morgantown, West Virginia

164) Abstract 1361
PERCEIVED STRESS AND LOW EDUCATION ARE ASSOCIATED WITH HEIGHTENED SYMPATHETIC NERVOUS SYSTEM ACTIVITY
KaMala Thomas, Clinical Psychology, SDSU/UCSD Joint Doctoral Program, La Jolla, CA; Richard Nelesen, Paul Mills, Psychiatry, Michael Ziegler, Medicine, Joel Dimsdale, Psychiatry, UC San Diego, La Jolla, CA

165) Abstract 1424
EMOTIONAL RESPONSIVITY AND AMBULATORY BLOOD PRESSURE IN WOMEN WITH HISTORIES OF ABUSE AND VICTIMIZATION
Tamara L. Newton, Department of Psychological and Brain Sciences, University of Louisville, Louisville, KY; Ivy K. Ho, Division of Psychology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

166) Abstract 1082
EARLY SOCIOECONOMIC STATUS IS ASSOCIATED WITH ADULTHOOD NIGHTTIME BLOOD PRESSURE DIPPING
Brenda L. Key, Alana D. Ireland, Psychology, University of Calgary, Calgary, Alberta, Canada; Simon L. Bacon, Exercise Science, Concordia University, Montreal, Quebec, Canada; Blain W. Ditto, Psychology, McGill University, Montreal, Quebec, Canada; Tavis S. Campbell, Psychology, University of Calgary, Calgary, Alberta, Canada

167) Abstract 1456
AFRICAN AMERICAN/CAUCASIAN DIFFERENCES IN PREDICTORS OF FATIGUE
Farah A. Arosemena, KaMala Thomas, Wayne A. Bardwell, Richard Nelesen, Psychiatry, University of California, San Diego, La Jolla, CA; Paul J. Mills, Psychiatry, University of California, San Diego, La Jolla, CA; Sonia Ancoli-Isoe, Joel E. Dimsdale, Psychiatry, University of California, San Diego, La Jolla, CA

168) Abstract 1421
COGNITIVE PERFORMANCE IN MIDDLE-AGED HYPERTENSIVE PATIENTS WITHOUT WHITE MATTER BRAIN LESIONS OR LACUNAR INFARCTIONS: EFFECTS OF GENDER
Heather L. Rogers, Medical & Clinical Psychology, Uniformed Services University, Bethesda, MD; Wenhua Wang, Jun Cheng, Institute of Heart, Lung & Blood Vessel Diseases, Beijing Anzhen Hospital, Beijing, China; David S. Krantz, Medical & Clinical Psychology, Uniformed Services University, Bethesda, MD; Dong Zhao, Institute for Heart, Lung & Blood Vessel Diseases, Beijing Anzhen Hospital, Beijing, China

169) Abstract 1663
BRAINSTEM VOLUMETRIC ALTERATIONS IN CHILDREN AND ADOLESCENTS WITH PERSISITIVE DEVELOPMENTAL DISORDER
Roger J. Jou, Psychiatry, Yale University School of Medicine, New Haven, CT; Antonio Y. Hardan, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA

170) Abstract 1666
ARE ANTIDEPRESSANTS EFFECTIVE IN THE MEDICALLY ILL? A SCORECARD APPROACH
Steven Cole, Psychiatry, S.U.N.Y. Stony Brook Health Sciences Center, Stony Brook, New York; Emil Kuriakose, Ronac Mamtani, Tariq Ahmad, Psychiatry, S.U.N.Y. Health Sciences Center, Stony Brook, New York

171) Abstract 1668
DIFFERENTIAL PATTERN OF ACUTE BIOLOGICAL RESPONSE TO TRAUMA IN CHILDREN WITH DISRUPTIVE BEHAVIOR
Nicole R. Nagent, Psychology, Kent State University, Kent, OH; Norman C. Christopher, Emergency Medicine, Akron Children's Hospital, Akron, OH; Douglas L. Delahunty, Tanya Church, Psychology, Kent State University, Kent, OH
172) Abstract 1697
LONGITUDINAL ASSESSMENT OF PLASMA CORTISOL IN REPATRIATED PRISONERS OF WAR
James D. Brenner, Psychiatry and Radiology, Emory University School of Medicine, Atlanta, GA, Jeffrey Moore, Robert E. Mitchell Center for RPWs, Pensacola Naval Air Station, Pensacola, FL, Viola Vaccarino, Cardiology and Public Health, Emory University, Atlanta, GA, Kenneth Sasse, Warfighter Performance Program, Naval Health Research Center, San Diego, CA

173) Abstract 1544
REAL-TIME ASSESSMENT OF SUBJECTIVE SYMPTOMS AND CPT IN DEPRESSED PATIENTS USING ECOLOGICAL MOMENTARY ASSESSMENT
Rika Nakahara, Psychiatry, Teikyo University Mizonokuchi Hospital, Kanagawa, Japan, Kazuhiro Yoshiuchi, Psychosomatic Medicine, University of Tokyo, Tokyo, Japan, Yoshinori Cho, Psychiatry, Teikyo University Mizonokuchi Hospital, Kanagawa, Japan, Kyoko Ohashi, Psychiatry, McLean Hospital, Harvard Medical School, Belmont, Massachusetts, Yoshitomo Yamamoto, Education, Hiroaki Kamano, Akira Akabayashi, Psychosomatic Medicine, University of Tokyo, Tokyo, Japan

174) Abstract 1670
REAL-TIME ASSESSMENT OF DEPRESSIVE SYMPTOMS USING ECOLOGICAL MOMENTARY ASSESSMENT
Rika Nakahara, Psychiatry, Teikyo University Mizonokuchi Hospital, Kanagawa, Japan, Kazuhiro Yoshiuchi, Psychosomatic Medicine, University of Tokyo, Tokyo, Japan, Yoshinori Cho, Psychiatry, Teikyo University Mizonokuchi Hospital, Kanagawa, Japan, Kyoko Ohashi, Psychiatry, McLean Hospital, Harvard Medical School, Belmont, Massachusetts, Yoshitomo Yamamoto, Education, Hiroaki Kamano, Akira Akabayashi, Psychosomatic Medicine, University of Tokyo, Tokyo, Japan

175) Abstract 1557
A MULTISITE COMMUNITY-BASED STUDY OF SUICIDALITY AND PSYCHOSIS IN BIPOLAR SCHOOL-AGE CHILDREN
Ruby C. Castilla-Puentes, Epidemiology/Psychiatry, U. of North Carolina and U. of Pennsylvania, Philadelphia, PA, Sandra R. Castilla-Puentes, Clinic Physiology and Anesthetia, Wilma I. Castilla-Puentes, Obstetrics and Gynecology, Pedagogy and Technology University of Colombia, Tunja, Boyaca, Colombia-SA, I. Sandra Lopez, Clinical Psychiatry, San Rafael Hospital, Mendoza, Argentina, Carlos Sanchez-Russi, Global Health Outcomes, INSAM-Colombia-SA, Duitama, Boyaca, Colombia-SA, Maria Teresa Alvarado, Psychology, Consultorio Psicologico, Ciudad Juarez, Chiluahua, Mexico, Miguel E. Habeych, School of Pharmacy/ Clinical Neurosurgery, University of Pittsburgh, Pittsburgh, PA

176) Abstract 1706
THE IMPACT OF RELIGIOUS BELIEF ON RESPONSE TO TREATMENT FOR CLINICAL DEPRESSION: A LONGITUDINAL ANALYSIS
Patricia E. Murphy, Religion, Health, and Human Values, and Psychiatry, George Fitchett, RHHV, and Preventive Medicine, Rush University Medical Center, Chicago, IL

177) Abstract 1638
BACKGROUND PERCEIVED STRESS IS ASSOCIATED WITH ATTENUATED ADRENOCORTICAL REACTIVITY TO LABORATORY STRESSORS IN CHILDREN AND ADOLESCENTS
Laura R. Stroud, Catherine H. Solomon, Psychiatry, Brown Medical School, Providence, RI, Kathryn Handwerger, Psychology, Tufts University, Medford, MA, Emily Stoba, Raymond Niaura, Psychiatry, Brown Medical School, Providence, RI

178) Abstract 1802
SOCIAL INJUSTICE IS ASSOCIATED WITH PSYCHOLOGICAL DISTRESS IN SWEDEN
Sarah Wamala, Research Department, National Institute of Public Health, Stockholm, Sweden

179) Abstract 1640
VALIDATION OF THE HOSPITAL ANXIETY AND DEPRESSION SCALE AGAINST THE MINI INTERNATIONAL NEUROPSYCHIATRIC INTERVIEW IN POPULATION OF PRIMARY CARE PATIENTS
Adomas Bunevicius, Faculty of Medicine, Kaunas University of Medicine, Garliava, Kauno rajonas, Lithuania, Jurate Peceluyiene, Family Medicine Clinic, Narseta Mickuviene, Institute of Endocrinology, Robertas Bunevicius, Institute of Endocrinology, Kaunas University of Medicine, Kaunas, Lithuania

180) Abstract 1378
BRAIN POTENTIALS IN EATING DISORDERS: DIFERENTIAL MEMORY EFFECTS FOR FOOD AND NON-FOOD WORDS
Friedhelm Lamprecht, Psychosomatic Medicine, Hannover Medical School, Hannover, Germany, Thomas F. Muente, Neurology, Otto-von-Guericke-University, Magdeburg, Germany, Burkhard Jaeger, Gerhard Schmid-Ott, Psychosomatic Medicine, Hannover Medical School, Hannover, Germany, Matthias Kleiser, Neuropsychology, Otto-von-Guericke-University, Magdeburg, Germany, Jana Banfield, Neuropsychology, Otto-von-Guericke-University, Magdeburg, Germany

181) Abstract 1067
RELATIONSHIP BETWEEN PATTERNS OF BRAIN ORGANIZATION AND MIGRAINE WITH AND WITHOUT AURA
Noble Endicott, New York State Psychiatric Institute, New York, New York

182) Abstract 1068
PATTERNS OF BRAIN ORGANIZATION, MIGRAINE HEADACHES, AND SUICIDE ATTEMPTS
Noble Endicott, New York State Psychiatric Institute, New York, New York

183) Abstract 1160
ASSOCIATION OF MATERNAL MAJOR DEPRESSION AND OVERCONTROL WITH A FAILURE TO SHOW A CORTISOL BUFFERED RESPONSE IN FOUR-MONTH-OLD INFANTS OF TEENAGE MOTHERS
Rina Azar, Women's Health Program, University Health Network, Toronto, Canada, Daniel Paquette, Psychology, University of Montreal, Montreal, Canada, Mark Zuccolillo, Psychiatry, Franziussa Balzter, Pediatrics, McGill University, Montreal, Canada, Richard E. Tremblay, GRIP, University of Montreal, Montreal, Canada, Donna E. Stewart, Women's Health Program, University Health Network, Toronto, Canada

184) Abstract 1656
FUNCTIONAL MAGNETIC RESONANCE IMAGING STUDY OF COGNITIVE FLEXIBILITY IN ANOREXIA NERVOSA USING THE WISCONSIN CARD SORTING TEST: A PRELIMINARY STUDY
Yasuhiro Sato, Psychosomatic Medicine, Tohoku University Hospital, Sendai, Miyagi, Japan, Naohiro Saito, Psychiatry, University of Pennsylvania, Philadelphia, PA, Atsushi Utsami, Psychosomatic Medicine, Tohoku University Hospital, Sendai, Miyagi, Japan, Natsuki Otsawa, Behavioral Medicine, Hajiie Mushiake, Physiology, Shin Fukuda, Behavioral medicine, Tohoku University, Sendai, Miyagi, Japan, Michiro Hongo, Comprehensive Medicine, Tohoku University Hospital, Sendai, Miyagi, Japan
PHYSIOLOGICAL ABNORMALITIES IN CHRONIC FATIGUE SYNDROME DURING ORTHOSTATIC CHALLENGE
BH Natelson, NS Cherniack, J Fit;Gibbons, R Intriligator, H Chandler, UMDNJ-New Jersey Medical School, East Orange, NJ, JM Stewart, New York Medical College, Valhalla, NY

THE CHALLENGE OF ACHIEVING OPTIMAL LEVELS OF ASTHMA CONTROL: THE IMPACT OF ASTHMA SELF-EFFICACY
K L. Lavoie, Chest Medicine, Psychology, Hôpital du Sacré-Coeur, UQAM, Montreal, Quebec, Canada, M Joseph, Chest Medicine, Psychology, Hôpital du Sacré-Coeur, McGill, Montreal, Quebec, Canada, H Favreau, M Labrecque, Chest Medicine, Hôpital du Sacré-Coeur, Montreal, Quebec, Canada, T S. Campbell, Psychology, U Calgary, Calgary, Alberta, Canada, S L. Bacon, Chest Medicine, Hôpital du Sacré-Coeur, Montreal, Quebec, Canada

DOES HARBORING HOSTILITY HURT? ASSOCIATIONS BETWEEN HOSTILITY AND PULMONARY FUNCTION IN THE CARDIA STUDY
Benita Jackson, Psychology, Smith College, Northampton, MA, Laura D. Kubzansky, Society, Human Development, and Health, Harvard School of Public Health, Boston, MA, Sheldon Cohen, Psychology, Carnegie Mellon University, Pittsburgh, PA, David R. Jacobs, Epidemiology and Community Health, University of Minnesota, Minneapolis, MN, Rosalind J. Wright, Channing Laboratory, Harvard Medical School, Boston, MA

NEUROTROPHIN EXPRESSION IN RESPONSE TO ACADEMIC STRESS IN ASTHMATIC AND HEALTHY STUDENTS
Mats Lekander, Dpt of Clinical Neuroscience, Cecilia Kemi, Dpt of Medicine, Karolinska Institute, Stockholm, Sweden, Jennie T. Axén, Dpt of Clinical Neuroscience, Karolinska Institute, Stockholm, Sweden, Johan Granewald, Dpt of Medicine, Karolinska Institutet, Stockholm, Sweden, Pontus Stierna, Dpt of Clinical Sciences, Karolinska Institutet, Huddinge, Sweden, Anders Eklund, Reidar Gronneberg, Dpt of Medicine, Susanna Jernelov, Dpt of Clinical Neuroscience, Caroline Olgart Hoglund, Dpt of Medicine, Karolinska Institutet, Stockholm, Sweden

THE IMPACT OF SARS STUDY: LONG-TERM PSYCHOLOGICAL CONSEQUENCES FOR HEALTHCARE WORKERS
William I. Lancee, Psychiatry, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada, The Impact of SARS Study Team (20 authors), McMaster University, Hamilton, and University of Toronto, Toronto, Ontario, Canada

THE EFFECTS OF CHRONIC STRESS AND SLEEP ON PULMONARY FUNCTIONING IN CHILDREN WITH ASTHMA
Margaret D. Hanson, Edith Chen, Psychology, University of British Columbia, Vancouver, British Columbia, Canada
197) Abstract 1607
TESTING THE VAGAL PATHWAY FOR EMOTION-INDUCED AIRWAY OBSTRUCTION IN ASTHMA: FINDINGS WITH PHARMACOLOGIC BLOCKADE
Kullowatz Antje, Psychology, Southern Methodist University, Dallas, TX, Hans-Juergen Smith, Viasys Healthcare, Hoechberg, Germany, Frank Kanniess, Pulmonary Research Institute, Hospital Grosshansdorf, Grosshansdorf, Germany, Helgo Magnussen, Center for Pneumology and Thoracic Surgery, Krankenhaus Grosshansdorf, Grosshansdorf, Germany, Bernhard Dahme, Psychology, University of Hamburg, Hamburg, Germany, Thomas Ritz, Psychology, Southern Methodist University, Dallas, TX

198) Abstract 1462
THE IMPACT OF JOB STRESS IN PATIENTS UNDER INVESTIGATION FOR OCCUPATIONAL ASTHMA
M Joseph, Chest Medicine, Psychology, Hôpital du Sacré-Coeur, McGill, Montreal, Quebec, Canada, S L. Bacon, H Favreau, M Labrecque, JL Malo, Chest Medicine, Hôpital du Sacré-Coeur, Montreal, Quebec, Canada, B Ditto, Psychology, McGill, Montreal, Quebec, Canada, K L. Lavoie, Chest Medicine, Psychology, Hôpital du Sacré-Coeur, UQAM, Montreal, Quebec, Canada

199) Abstract 1686
CHILDHOOD SEXUAL TRAUMA & DISTRESS DURING COLPOSCOPIC EXAMINATION AMONG HIV+ WOMEN AT RISK FOR CERVICAL CANCER

6:00-9:00pm
Council Dinner Meeting
Granite Room

6:30-7:30pm
Student/Trainee Social Hour
Mineral Hall F
This social event is designed to offer an opportunity for students to develop and maintain connections with fellow student members of APS. Come discuss possible collaboration and research opportunities over a drink and some snacks.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00am</td>
<td>Registration Opens</td>
<td>Capitol Ballroom Foyer</td>
</tr>
<tr>
<td>7:30-9:00am</td>
<td>2007 Program Committee Breakfast Meeting</td>
<td>Agate C</td>
</tr>
<tr>
<td>9:00-9:45am</td>
<td>Business Meeting</td>
<td>Capitol Ballroom 5-7</td>
</tr>
<tr>
<td>9:45-10:00am</td>
<td>Break</td>
<td>Capitol Ballroom Foyer</td>
</tr>
<tr>
<td>10:00-10:50am</td>
<td>Patricia R. Barchas Award Lecture: Do Positive Emotions Influence Health?</td>
<td>Capitol Ballroom 5-7</td>
</tr>
<tr>
<td>11:00-11:50am</td>
<td>Alvin P. Shapiro Award Lecture: Psychosocial Factors and CVD: 2006</td>
<td>Capitol Ballroom 5-7</td>
</tr>
<tr>
<td>12:00-1:15pm</td>
<td>Lunch on your own OR Roundtable Lunches</td>
<td></td>
</tr>
</tbody>
</table>

**Roundtable 10:** Early Career Award Mechanisms  
*Facilitators: Mercedes Rubio, Paige McDonald, Jill Cyranowski, and Tené Lewis*  
*Agate B*

A major task in initiating a successful independent research career in psychosomatic medicine includes obtaining National Institute of Health (NIH) research funding. The current roundtable discussion will focus on issues related to applying for and obtaining NIH early career awards. Discussion will include a broad overview of the types of early career funding mechanisms available, steps involved in deciding which institute might be interested in supporting your research, and up-to-date information on current areas of NIH funding emphasis.

Note that this timely roundtable discussion will include up-to-date information on the newly-released NIH program announcement PA-06-133, “NIH Pathway to Independence Award” (K99/R00), with a brief presentation and discussion by program officers.

**Roundtable 11:** IOM’s Medical Education Agenda: challenging the hegemony of the biomedical model in undergraduate medical education  
*Herb Ochitill and Steven Locke*  
*Marble Room*

The IOM report, “Improving Medical Education: Enhancing the Behavioral and Social Science Content of Medical School Curricula,” called for greater integration of behavioral and social science input into medical school education. Faculty members undertaking this effort have encountered both opportunities and challenges at their medical schools. We will hear progress reports from pioneers at three schools where APS members are leading change. The luncheon roundtable will provide an opportunity to discuss these innovative educational programs, and to facilitate networking and mutual support.

**Roundtable 12:** The Use of Hypnosis in Medical Research  
*Jeanne Hernandez*  
*Agate C*

The roundtable discussion may be based upon a handout that reviews current research using hypnosis as the vehicle for improving medical conditions or symptoms, rather than research on hypnosis itself. Information will be available about hypnosis, hypnosis training, and the new and classic uses of hypnosis in medicine. We will be able to network and support each other in research endeavors as well. The intention is to encourage and facilitate medical research using hypnosis among APS members and other attendees, in any way attendees request.
Depression is more common among chronically-ill patients relative to their healthier cohort. Moreover, depressed patients with chronic medical conditions (e.g. diabetes and heart disease) show worse medical and clinical outcomes. Systematic depression management among medically ill patients with concurrent depression demonstrate mood, and functional benefits at no additional cost, or even cost savings. With increasing focus on disease management, how would depression be optimally treated?

1:15-3:15pm
3 Concurrent Sessions

Paper Session
Depression and Disease
Chair: Peter Shapiro
Mineral Hall A

Abstract 1760
STRESS REACTIVITY IN METASTATIC BREAST CANCER PATIENTS: EFFECTS OF DEPRESSION
Janine Giese-Davis, Psychiatry, Stanford University

Abstract 1714
CIRCADIAN AFFECTIVE, CARDIOPULMONARY, AND CORTISOL VARIABILITY IN DEPRESSED AND NONDEPRESSED INDIVIDUALS AT RISK FOR CARDIOVASCULAR DISEASE
Ansgar Conrad, Psychiatry, Stanford University, Frank H. Wilhelm, Psychology, University of Basel, David Spiegel, Psychiatry, Stanford University

Abstract 1129
LATE-LIFE DEPRESSION IS ASSOCIATED WITH BOTH HYPER- AND HYPOACTIVITY OF THE HPA-AXIS
Brenda Penninx, Aartjan Beekman, Witte Hoogendijk, Psychiatry, VU University Medical Center, Amsterdam, The Netherlands, Luigi Ferrucci, Longitudinal Studies Section, National Institute on Aging, Baltimore, MD, Jack Guralnik, Laboratory of Epidemiology, Demography and Biometry, National Institute on Aging, Bethesda, MD

Abstract 1086
DEPRESSIVE SYMPTOMS AND INTRA-ABDOMINAL FAT IN CAUCASIAN AND AFRICAN-AMERICAN WOMEN AT MID-LIFE
Susan A. Everson-Rose, Kelly Karavolos, Tene T. Lewis, Deidre E. Wesley, Lynda H. Powell, Preventive Medicine, Rush University Medical Center, Chicago, IL

Abstract 1263
DEPRESSION AS A RISK FACTOR FOR THE ONSET OF TYPE 2 DIABETES MELLITUS: A META-ANALYSIS
Mirjam J. Knol, Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht, Utrecht, The Netherlands, Jos W. Twisk, Clinical Epidemiology and Biostatistics, Aartjan T. Beekman, Robert J. Heine, Frank J. Snoek, Francois Pouwer, Institute for Research in Extramural Medicine, VU Medical Center, Amsterdam, The Netherlands

Abstract 1423
POST-ACS DEPRESSION IS ASSOCIATED WITH CEREBRAL DEEP WHITE MATTER CHANGES
Michael A. Rapp, Department of Psychiatry, David A. Lessman, Medical School, Cheuk Y. Tang, Department of Radiology, Robert Paulino, Steven Williams, Department of Internal Medicine, Nina Rieckmann, Department of Psychiatry, Mount Sinai School of Medicine, New York, NY, Karina W. Davidson, Behavioral Cardiovascular Health, Columbia University, New York, NY

Abstract 1434
DEPRESSIVE SYMPTOMS INDEPENDENTLY PREDICT RECURRENCE OF ATRIAL FIBRILLATION AFTER ELECTRICAL CARDIOVERSION
Christoph Herrmann-Lingen, Psychosomatic Medicine, Philipp’s University, Marburg, Germany, Helmut W. Lange, Heart Center Bremen, Bremen, Germany

Abstract 1240
ASSOCIATION OF DEPRESSION WITH MORTALITY AT 7-YEAR FOLLOW-UP AFTER CORONARY ARTERY BYPASS GRAFT SURGERY
Ingrid Connerney, Surgery, University of Maryland, Baltimore, Maryland, Richard P. Sloan, Psychiatry, Emilia Bagiella, Biostatistics, Peter A. Shapiro, Psychiatry, Columbia University, New York, NY

Symposium 1145
NEUROIMAGING OF AUTONOMIC-CARDIAC REACTIVITY IN HEALTH AND DISEASE
Chair: Peter J. Gianaros
Capitol Ballroom 5

Individual Abstract Number:1572
A MODEL OF NEUROVISCERAL INTEGRATION: AN OVERVIEW WITH IMPLICATIONS FOR HEALTH AND DISEASE
Julian F. Thayer, GRC/LPC, National Institute on Aging

Individual Abstract Number:1290
NEURAL CORRELATES OF CARDIAC REACTIVITY DURING EMOTIONAL INFORMATION PROCESSING IN UNIPOLAR DEPRESSION
Greg J. Siegle, Psychiatry, University of Pittsburgh School of Medicine, Stuart R. Steinhauser, Psychiatry, University of Pittsburgh School of Medicine / VA Pit, Cameron S. Carter, Psychology/Psychiatry, University of California, Davis, Michael E. Thase, Psychiatry, University of Pittsburgh School of Medicine

Individual Abstract Number:1287
INCREASED AMYGDALA ACTIVATION IN SUBJECTS WITH MAJOR DEPRESSION IS RELATED TO SYMPATHOVAGAL BALANCE
Scott C. Matthews, Psychiatry, University of California San Diego

Individual Abstract Number:1418
ROLE OF BRAIN-HEART INTERACTIONS IN STABILISING AND DESTABILISING CARDIAC ELECTROPHYSIOLOGY
Peter Taggart, Department of Cardiology, University College London
Individual Abstract Number:1336
APPRAISAL ABOUT CONTROLLABILITY OF ACUTE STRESSOR AND BRAIN-CARDIAC-IMMUNE ASSOCIATION
Hideki Ohira, Psychology, Nagoya University, Michio Nomura, Psychology, Tokai Women's University, Naho Ichikawa, Tokiko Isowa, Kenta Kimura, Psychology, Nagoya University

Individual Abstract Number:1146
CHRONIC STRESSFUL EXPERIENCES PREDICT BRAIN ATROPHY AND DYSREGULATED PARASYMPATHETIC-CARDIAC CONTROL DURING ACUTE STRESS
Peter J. Gianaros, Leslie A. Mitrik, Lena B. Gemmer, Karen A. Matthews, J. Richard Jennings, Department of Psychiatry, University of Pittsburgh

Symposium 1442 (1:15-2:15pm)
FINDING BENEFITS IN ADVERSITY: PSYCHOLOGICAL AND PHYSIOLOGICAL PROCESSES
Chair: Annette L. Stanton
Discussant: Suzanne C. Segerstrom
Mineral Hall A

Individual Abstract Number:1678
DOES BENEFIT FINDING DIFFER BY TYPE OF CANCER?
Suzanne Lechner, Psychiatry, University of Miami School of Medicine

Individual Abstract Number:1476
STRESS, POSTTRAUMATIC GROWTH, AND LEUKOCYTE AGING
Elissa Epel, Wendy Wolfson, Psychiatry, University of California, San Francisco

Individual Abstract Number:1453
STRESS MANAGEMENT INTERVENTION EFFECTS ON BENEFIT FINDING, POSITIVE OUTCOMES AND PHYSIOLOGICAL REGULATION FOR WOMEN TREATED FOR BREAST CANCER
Michael H. Antoni, Charles S. Carver, Psychology, University of Miami, Suzanne Lechner, Psychiatry and Behavioral Sciences, University of Miami Miller School of Medicine

Symposium 1414 (2:15-3:15pm)
THEORY TO PRACTICE IN EXPRESSIVE WRITING INTERVENTIONS: EFFECTS OF EXPERIMENTAL CONTEXT AND PARTICIPANT ATTRIBUTES
Chair: Annette L. Stanton
Discussant: Lorenzo Cohen
Mineral Hall A

Individual Abstract Number:1419
THE ROLE OF CONTEXT IN THE EFFECTIVENESS OF AN EXPRESSIVE WRITING INTERVENTION
Deborah Nazarian, Joshua M. Smyth, Psychology, Syracuse University

Individual Abstract Number:1439
HOW HEALTH BENEFITS OF EXPRESSIVE WRITING VARY AS A FUNCTION OF WRITING INSTRUCTIONS, ETHNICITY, AND PERSONALITY
Qian Lu, Annette L. Stanton, Psychology, University of California, Los Angeles

Individual Abstract Number:1435
WRITING ABOUT EMOTIONS VERSUS GOALS IN THIRD-YEAR MEDICAL STUDENTS: EFFECTIVE FOR WHOM?
Jennifer L. Austenfeld, Psychology, University of Kansas, Annette L. Stanton, Psychology, University of California, Los Angeles

3:15-3:30pm
Break
Capitol Ballroom Foyer

3:30-5:00pm
3 Concurrent Sessions

Symposium 1122
PROLONGED STRESS-RELATED ACTIVATION AND HEALTH
Chairs: Jos F. Brosschot and Julian F. Thayer
Discussant: Wolfgang Linden
Capitol Ballroom 5

Individual Abstract Number:1238
BLUNTED RSA REACTIVITY AND RECOVERY IN MAJOR DEPRESSIVE DISORDER
Kristen Salomon, Jonathan Rottenberg, April Clift, Kate Rieger, Psychology, University of South Florida

Individual Abstract Number:1212
ENHANCING CARDIOVASCULAR RECOVERY FROM ACUTE STRESS WITH EXPERIMENTAL INTERVENTIONS
Nicholas Christenfeld, Sky Chafin, Psychology, University of California, San Diego

Individual Abstract Number:1233
ANGER PROVOCATION CAUSES ANGER! (SOMETIMES)
Bill Gerin, Medicine, Columbia University

Individual Abstract Number:1139
WORRY DURATION MEDIATES EFFECTS OF DAILY STRESS ON HEART RATE VARIABILITY DURING WAKING AND SUBSEQUENT NOCTURNAL SLEEPING
Jos F. Brosschot, Psychology, Leiden University, Julian F. Thayer, Emotions & Quantitative Psychophysiology Section, National Institute on Aging

Individual Abstract Number:1127
IMPAIRED POST-STRESS BLOOD PRESSURE RECOVERY AND CARDIOVASCULAR DISEASE RISK
Andrew Steptoe, Epidemiology and Public Health, University College London
Abstract 1197
ABDOMINAL ADIPOSITY AND RISK OF HOT FLUSHES AMONG A BIRACIAL SAMPLE OF MIDLIFE WOMEN
Rebecca C. Thurston, Psychiatry, Karen A. Matthews, Psychiatry, Psychology, Epidemiology, Daniel Edmundowicz, Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA, Kim Sutton-Tyrrell, Epidemiology, University of Pittsburgh Graduate School of Public, Pittsburgh, PA

Abstract 1155
ALLOPREGNANOLONE, ETHNICITY, AND PAIN SENSITIVITY
Beth Mechlin, A. Leslie Morrow, Psychiatry, William Maixner, Dentistry, Susan S. Girdler, Psychiatry, University of North Carolina, Chapel Hill, NC

Abstract 1545
DEPRESSIVE SYMPTOMS AND HOMOCYSTEINE: THE TWINS HEART STUDY
Viola Vaccarino, James D. Bremner, Jerome Abramson, James Ritchie, Carisa Maisano, Olga Novik, Medicine, Linda Jones, Emory University, Atlanta, GA, Jack Goldberg, Vietnam Era Twin Registry, Seattle, WA

Abstract 1707
DEPRESSIVE SYMPTOMS AND INFLAMMATION: IS THERE A SHARED GENETIC VULNERABILITY?
Viola Vaccarino, James D. Bremner, Andrew H. Miller, Jerome L. Abramson, Linda Jones, Faiz A. Cheema, Emory University, Atlanta, GA, Jack Goldberg, Vietnam Era Twin Registry, Seattle, WA

Abstract 1394
EMERGENCE OF NOVEL GENETIC EFFECTS ON BLOOD PRESSURE AND UNDERLYING HEMODYNAMICS IN ADOLESCENCE. LONGITUDINAL EVIDENCE FROM THE GEORGIA CARDIOVASCULAR TWIN STUDY
Harold Snieder, Georgia Prevention Institute, Medical College of Georgia, Augusta, GA, Kupper Nina, Biological Psychology, Free University, Amsterdam, The Netherlands, Dongliang Ge, Frank A. Treiber, Georgia Prevention Institute, Medical College of Georgia, Augusta, GA

Abstract 1274
HUMAN CHOLINE TRANSPORTER GENE VARIATION IS ASSOCIATED WITH CORTICOLIMBIC REACTIVITY AND AUTONOMIC CARDIAC FUNCTION
Serina A. Neumann, Psychology, Sarah M. Brown, Psychiatry, Robert E. Ferrell, Human Genetics, University of Pittsburgh, Pittsburgh, PA, Janine D. Flory, Psychiatry, Mount Sinai School of Medicine, New York, NY, Stephen B. Manuck, Psychology, Ahmad R. Hariri, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Paper Session
Biological, Social and Psychological Correlates of Disease Outcomes in Infancy Through Adolescence
Chair: Mary Frances O'Connor
Mineral Hall A

Abstract 1321
PREVALENCE & PSYCHOLOGICAL PREDICTORS OF ADOLESCENT RECURRENT PAIN
Elizabeth A. Stanford, Edith Chen, Psychology, University of British Columbia, Vancouver, BC, Canada, Christine T. Chambers, Pediatrics & Psychology, Dalhousie University, Halifax, Nova Scotia, Canada

Abstract 1752
FAMILY RELATIONAL FACTORS IN PEDIATRIC DEPRESSION AND ASTHMA: POSSIBLE PATHWAYS OF EFFECT
Beatrice L. Wood, Bruce D. Miller, JungHa Lim, Chuan Yu Hu, James G. Waxmonska, Psychiatry, SUNY at Buffalo, School of Medicine and Biomedical S, Buffalo, New York

Abstract 1753
ANS DYSREGULATION IN DEPRESSED ASTHMATIC CHILDREN UNDER EMOTIONAL STIMULATION
Bruce D. Miller, Beatrice L. Wood, Chuan Yu Hu, JungHa Lim, James G. Waxmonska, Psychiatry, SUNY at Buffalo, School of Medicine and Biomedical S, Buffalo, New York

Abstract 1451
MATERNAL STRESS AND CORTISOL CIRCADIAN RHYTHM IN HIGH-RISK INFANTS
Dorie A. Glover, Psychiatry and Biobehavioral Sciences, UCLA Semel Institute for Neuroscience & Human Behav, Los Angeles, CA

Abstract 1619
DEPRESSION RISK STATUS AND CORTISOL IN A LOW-INCOME OBSTETRIC POPULATION: IMPACT OF A PRENATAL INTERVENTION
Guido Urizar, Stanford University, Stanford, CA

Abstract 1632
EVALUATING PERINATAL GLUCOCORTICOIDS AND PSYCHONEUROIMMUNOLOGY OF PRETERM INFANTS BEHAVIORAL DEVELOPMENT
Isabell B. Purdy, Pediatrics, UCLA School of Medicine, Lynne Smith, Pediatrics, Harbor UCLA

5:00-6:15pm
Poster Session III
Capitol Ballroom 1-4

200) Abstract 1762
PSYCHOSOCIAL CORRELATES OF PSA LEVELS IN MEN ATTENDING PROSTATE CANCER SCREENING CLINICS
Arlene R. King, Epidemiology, Columbia University, New York, NY, Richard J. Macchia, Urology, Downstate, SUNY, Brooklyn, NY, Carol Magai, Nathan S. Conedine, Psychology, Long Island University, Brooklyn, NY, Howard L. Adler, Urology, SUNY, Stony Brook, NY, James M. McKiernan, Erik T. Goluboff, Brian A. Stone, David B. Samadi, Urology, Alfred I. Neugut, Medicine, Columbia University Medical Center, New York, NY
201) Abstract 1720
COPING WITH LOSS OF CONTROL RELATED TO LUNG CANCER: ENDOCRINE AND IMMUNE ASSOCIATIONS
Sandra Sephton, Inka Weissbecker, Eric Dedert, Andrea Floyd, Psychological and Brain Sciences, Jamie Studts, Dept. of Medicine, University of Louisville, Louisville, KY

202) Abstract 1662
BREAST CANCER-RELATED TRAUMA PREDICTS FAILURE TO FIND AT FOLLOW-UP IN LONGITUDINAL RECURRENCE STUDY: PERCEIVED PARTNER SUPPORT MODERATES TRAUMA AND REDUCES ODDS OF ATRITION
Roselyn G. Smith, Epidemiology and Public Health, University of Miami, Miller School of Medicine, Miami, FL, Charles Carver, Michael Antoni, Maria Llabre, Frank Penedo, Psychology, University of Miami, Coral Gables, FL

203) Abstract 1671
EFFECT OF SUDARSHAN KRIYA AND PRANAYAM ON IMMUNE STATUS, QUALITY OF LIFE AND CHEMOTHERAPY SIDE EFFECTS IN CANCER PATIENTS
Vinod Kochupillai, Medical Oncology, Department of Medical Oncology, New Delhi, New Delhi, India, Manju Sengar, Medical Oncology, Institute Rotary Cancer Hospital, New Delhi, New Delhi, India

204) Abstract 1769
DISTRESS AND PHYSICAL IMPAIRMENT IN LUNG CANCER: A TEST OF MEDIATION BY ENDOCRINE AND IMMUNE FACTORS
Inka Weissbecker, Eric Dedert, Dept. of Psychological and Brain Sciences, Jamie Studts, School of Medicine, Andrea Floyd, Sandie Sephton, Dept. of Psychological and Brain Sciences, University of Louisville, Louisville, KY

205) Abstract 1691
SLEEP DIFFICULTIES IN ENDOMETRIAL CANCER PATIENTS: SYMPTOMS AND COMORBIDITIES

206) Abstract 1726
INCREASES IN DEPRESSION ARE ASSOCIATED WITH POORER ADHERENCE TO RADIOTHERAPY TREATMENT
Kristin M. Kilbourn, Behavioral Studies, AMC Cancer Research Center, Denver, CO, Kirsten Martin, Psychology, University of Colorado at Denver, Denver, CO, Patricia Durning, Clinical and Health Psychology, University of Florida, Gainesville, FL

207) Abstract 1722
METABOLIC SYNDROME AND CARDIOVASCULAR FITNESS
Timothy S. Freson, Jennifer E. Stevenson, Bruce R. Wright, Health and Wellness Services, Washington State University, Pullman, WA

208) Abstract 1693
CARDIOVASCULAR DISEASE RISK FACTORS AND EXERCISE IN THE COLLEGE POPULATION
Timothy S. Freson, Bruce R. Wright, Christina M. Chapman, Health and Wellness Services, Washington State University, Pullman, WA

209) Abstract 1768
PRECLINICAL DIFFERENCES IN METABOLIC SYNDROME MEASURES OF CARDIOVASCULAR DISEASE RISK IN HYPER- AND NORMO-COLD PRESSOR REACTORS
LaMistra M. Johnson, Barry E. Hurwitz, Martin Blilski, Jay, Skylar, Alex Gonzalez, Meela Parker, Nancy Gonzalez, Jennifer Marks, Neil Schneiderman, Behavioral Medicine Research Center, University of Miami, Miami, FL

210) Abstract 1608
SEROTONIN TRANSPORTER POLYMORPHISM AND DEPRESSION AMONG ACUTE CORONARY SYNDROME PATIENTS
Jeanne M. McCaffery, Psychiatry and Human Behavior, Brown Medical School, Providence, RI, Qingling Duan, Human Genetics, Nancy Frasure-Smith, Psychiatry, McGill University, Montreal, QC, Marie-Pierre Dube, Medicine, Pierre Theroux, Cardiology, Guy Rouleau, Medicine, Francois Lesperance, Psychiatry, University of Montreal, Montreal, QC

211) Abstract 1711
PLASMA CHOLESTEROL CONCENTRATIONS IN DEPRESSION AND POSTTRAUMATIC STRESS DISORDER
James D. Bremner, Psychiatry and Radiology, Viola Vaccarino, Cardiology and Public Health, Emory University, Atlanta, GA

212) Abstract 1705
SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHIC (SPECT) MEASUREMENT OF MYOCARDIAL PERFUSION IN REPATRIATED PRISONERS OF WAR
James D. Bremner, Psychiatry and Radiology, Emory University School of Medicine, Atlanta, GA, Kenneth Sausen, Warfighter Performance Program, Naval Health Research Center, San Diego, CA, Jeffrey Moore, Robert E. Mitchell Center for RPWs, Pensacola Naval Air Station, Pensacola, FL, Lai Reed, Psychiatry, Emory University School of Medicine, Atlanta, GA, Viola Vaccarino, Cardiology and Public Health, Emory University, Atlanta, GA

213) Abstract 1547
TYPE D PERSONALITY AND PREMATURE MYOCARDIAL INFARCTION: A CASE-CONTROL STUDY IN IRAN
Mohammad z. Pezeshki, Community Medicine, Tabriz University of Medical Sciences, Tabriz, Iran

214) Abstract 1553
ANTIDEPRESSANT USE IN CORONARY HEART DISEASE PATIENTS: IMPACT ON SURVIVAL
Lana L. Watkins, James A. Blumenthal, Jonathan R. Davidson, Psychiatry and Behavioral Sciences, Charles B. McCants, Christopher M. O’Connor, Michael H. Sketch, Jr., Department of Medicine, Duke Medical Center, Durham, NC

215) Abstract 1613
COMBINED INFLUENCE OF DEPRESSIVE SYMPTOMS AND HOSTILITY ON PSYCHOSOCIAL STRESS AND SOCIAL INTERACTIONS IN DAILY LIFE
Jesse C. Stewart, Psychiatry, Denise L. Janicki, Saul Shiffman, Thomas W. Kamarck, Psychology, University of Pittsburgh, Pittsburgh, PA
216) Abstract 1618
DEPRESSIVE SYMPTOMS AND HOSTILITY EXERT A
SYNERGISTIC EFFECT ON SERUM INTERLEUKIN-6
AND C-REACTIVE PROTEIN
Jesse C. Stewart, Psychiatry, Denise L. Janicki, Psychology, Matthew F.
Muldoon, Medicine, Thomas W. Kamarck, Psychology, University of
Pittsburgh, Pittsburgh, PA

217) Abstract 1688
STRESS RESPONSE IN OLDER ADULT CAREGIVERS:
EVIDENCE FOR LOWER HEART RATE REACTIVITY
Natara Garovoy, Cynthia Castro, Abby King, Stanford School of
Medicine, Stanford University, Stanford, CA

218) Abstract 1702
EATING DISORDER SYMPTOMS ARE ASSOCIATED
WITH BIOLOGICAL AND PSYCHOLOGICAL CARDIO-
VASCULAR RISK FACTORS IN ADOLESCENTS
E Goldbacher, Psychology, K Matthews, Psychiatry, University of
Pittsburgh, Pittsburgh, PA

219) Abstract 1630
DEPRESSED MOOD, TH1/TH2 RATIOS, AND HEART
FAILURE
Laura S. Redwine, Medicine, Paul J. Mills, Saci Hong, Thomas Ratledge,
Psychiatry, University of California, San Diego, CA, Michael Irwin,
Cousins Center, University of California, Los Angeles, CA

220) Abstract 1637
SYMPTOM PROFILES AND ASSOCIATIONS WITH
ADVERSE OUTCOMES IN POST-MI PATIENTS
Elisabeth J. Martens, Otto R. Smith, Johan Denollet, Medical Psychology,
Tilburg University, Tilburg, The Netherlands

221) Abstract 1660
ANALYSES OF ASSOCIATION OF SF-36 WITH CORO-
NARY ARTERY DISEASE (CAD) RISK FACTORS, CAD
PREVALENCE AND MORTALITY IN A HIGH RISK
POPULATION: A PRECIS DATABASE STUDY
Jiaping Zhang, Leo Ponzelo, Psychiatry and Psychology, Danielle
Brennan, Brian Hoar, Byron Hoogwerf, Cardiology Prevention Clinic,
Cleveland Clinic Foundation, Cleveland, OH

222) Abstract 1548
ANXIETY SYMPTOMS AND AUTONOMIC FUNCTION
IN PATIENTS WITH IMPLANTABLE CARDIOVERTER
DEFIBRILLATORS
Jennifer L. Francis, Willem J. Kop, Medical and Clinical Psychology,
Shama Alum, Medicine, Mark C. Haight, Medicine and Pharmacology,
Uniformed Services University of the Health Sciences, Bethesda, MD,
Pamela Karasik, Cardiology, VAMC, Washington, DC, Albert A.
DelNegro, INOVA, Fairfax, VA, Anna Ghammad, Medical and Clinical
Psychology, Uniformed Services University, Bethesda, MD, John S.
Gottdiener, Medicine, University of Maryland, Baltimore, MD, David S.
Krantz, Medical and Clinical Psychology, Uniformed Services University,
Bethesda, MD

223) Abstract 1735
ESSENTIAL ELEMENTS OF BEHAVIORAL INTERVEN-
TIONS TO PREVENT PROGRESSION OF HEART FAIL-
URE: A META-ANALYSIS
Andrea T. Kozak, Preventive Medicine, Northwestern University, Chicago, IL,
Cheryl Rucker-Whitaker, Sanjib Basu, James E. Calvin, Carlos Mendes de
Leon, Lynda H. Powell, Preventive Medicine, Rush University Medical
Center, Chicago, IL

224) Abstract 1542
ROLE OF DEPRESSION AND NEUROTICISM IN OPEN-
AND CLOSE-ENDED SYMPTOM REPORTS AMONG
MYOCARDIAL INFARCTION PATIENTS
M. Bryant Howren, Psychology, Rene Martin, Adult and Gerontological
Nursing & Psychology, Ju Young Shin, Nursing, James Bunde, Psychology,
Patricia Lounsbury, UHCU Heart Center, Ellen Gordon, College of Medicine/In-
ternal Medicine, University of Iowa, Iowa City, IA

225) Abstract 1592
HIGH LEVELS OF ANGER OUT ARE ASSOCIATED WITH
CORONARY ARTERY CALCIFICATION
Joni T. Howard, Bruce Wright, John M. Ruiz, Department of Psychology,
Washington State University, Pullman, WA, C. Harold Mielke, Health
Research and Education, Washington State University, Spokane, WA

227) Abstract 1605
MALADAPTIVE SOCIAL BEHAVIORS AND BELIEFS
INFLUENCE SELF-REPORTED CARDIOVASCULAR
HEALTH
Matthew C. Whited, Kevin T. Larkin, Psychology, West Virginia University,
Morgantown, WV, Lynda M. Federoff, Psychology, Indiana University of
Pennsylvania, Indiana, PA

228) Abstract 1745
ACCULTURATION PREDICTS C-REACTIVE PROTEIN
LEVELS IN MEXICAN IMMIGRANTS
Patrick R. Steffen, Marcus Green, Psychology, Brigham Young University,
Provo, UT

229) Abstract 1247
ANXIETY, STRESS, VITAL EXHAUSTION AND CYNICAL
HOSTILITY IN IRRITABLE BOWEL SYNDROME
Michael P. Jones, Tiffany N. Havlicek, James Bratten, Laurie Keefer,
Gastroenterology, Northwestern University, Chicago, IL

230) Abstract 1294
PERSONALITY FACTORS PREDICT QUALITY OF LIFE
IN DISTRESSED PATIENTS WITH INFLAMMATORY
BOWEL DISEASE (IBD). THE INSPIRE STUDY
Birgitte Boye, Psychiatry, Univ. of Oslo, Oslo, Norway, Ingrid Wilhelmsen,
Univ. of Bergen, Bergen, Norway, Michael Sharpe, Mol & Clin Med., Univ. of
Lille, Lille, France, Svein Blomhoff, Ulrik F. Malt, Psychosom. and
Norway

231) Abstract 1298
GENETIC AND PSYCHOLOGICAL FACTORS ARE BOTH
ASSOCIATED WITH IRRITABLE BOWEL SYNDROME IN
POPULATION-BASED STUDY
Barbara Tomenson, Francis Creed, Psychiatry, University of Manchester,
Manchester, UK, Tony Lenho, Mohammed Zaman, G-I, Harvard, Boston, MA
232) Abstract 1302
IBS & CHRONIC FATIGUE IN FUNCTIONAL DYSPESIA: COMORBIDITY AND DETERMINANTS OF SYMPTOMS
Lukas Van Oudenhove, Joris Vandenberghe, Philippe Persoons, Koen Demyttenaere, Psychiatry, Brecht Geeraerts, Rita Vos, Jan Tack, Gastroenterology, University of Leuven, Leuven, Belgium

233) Abstract 1357
GASTROENTEROLOGIST (GE) RATINGS OF PATIENT ANXIETY: PERCEPTION OR ATTRIBUTION?
Tiffany Havlicek, Michael P. Jones, Michael Williams, Robert Rahimi, Laurie Keefer, Gastroenterology, Northwestern University, Chicago, IL

234) Abstract 1373
SEVERE FATIGUE IN ADOLESCENTS: PREVALENCE AND CORRELATES
Maike ter Wolbeek, Psychoneuroimmunology, University Medical Center Utrecht, Utrecht, The Netherlands, Lorenz J. van Doornen, Health Psychology, Utrecht University, Utrecht, The Netherlands, Annemieke Kavelaars, Psychoneuroimmunology, University Medical Center Utrecht, Utrecht, The Netherlands, Cobi J. Heijnen, Psychoneuroimmunology, University Utrecht, Utrecht, The Netherlands

235) Abstract 1511
DEVELOPMENT OF DEPRESSION AND ANXIETY SCALES FOR COMPUTERIZED ECOLOGICAL MOMENTARY ASSESSMENT USING COMPUTERIZED ADAPTIVE TESTING
Kazuhiro Yoshiuchi, Tetsuro Ishizawa, Psychosomatic Medicine, The University of Tokyo, Tokyo, Japan, Ryuichiro Yamamoto, Human Sciences, Waseda University, Tokyo, Japan, Hiroki Okada, Psychosomatic Medicine, Yoshifuru Yamamoto, Education, Hiroaki Kumano, Psychosomatic Medicine, The University of Tokyo, Tokyo, Japan, Shinobu Nomura, Human Sciences, Waseda University, Tokyo, Japan, Tomifusa Kuboki, Akira Akabayashi, Psychosomatic Medicine, The University of Tokyo, Tokyo, Japan

236) Abstract 1512
PREDICTING EMOTIONAL RESPONSES TO STRESS: THE INDEPENDENT CONTRIBUTIONS OF PREVIOUS MOOD AND HEART RATE
Brandi N. Cage, Sonia R. Bell, Psychology, Howard University, Washington, DC, Leah J. Floyd, School of Public Health, Morgan State University, Baltimore, MD, Ina N. Daniels, Anastasia Amuçu, Jules P. Harrell, Psychology, Howard University, Washington, DC

237) Abstract 1567
BELIEFS, PREFERENCES AND EXPECTATIONS ABOUT TREATMENTS OF WOMEN WITH SURGICALLY-INDUCED MENOPAUSE AFTER THE WOMEN’S HEALTH INITIATIVE REPORTS
Mali Bunde, Jerry Sals, Psychology, Rene Martin, Adult & Gerontological Nursing, Christina Dowd, Psychology, Susan R. Johnson, Obstetrics & Gynecology, University of Iowa, Iowa City, IA

238) Abstract 1570
A QUASI-CONTROLLED STUDY OF THE USE OF A BEHAVIORAL MEDICINE GROUP PROGRAM AMONG HIGH-UTILIZING, SOMATIZING PATIENTS IN TWO PRIMARY CARE PRACTICES
Steven E. Locke, Psychiatry, Harvard Medical School, Wayland, MA, Pauline Chan, Psychology, Boston College, Arlington, MA, Debra S. Morley, Psychology, Boston University, Brookline, MA, Arthur J. Barsky, Psychiatry, Harvard Medical School, Boston, MA, Thomas J. McLaughlin, Pediatrics, University of Massachusetts Medical School, Worcester, MA

239) Abstract 1614
PERCEIVED STRESS MEDIATES THE EFFECTS OF ALEXITHYMIA ON PHYSICAL SYMPTOMS IN AN ETHNICALLY DIVERSE SAMPLE
Jennifer F. Bernard, Erin Tooley, Paulette Christopher, Bruce W. Smith, Psychology, University of New Mexico, Albuquerque, New Mexico

240) Abstract 1725
NEUROTICISM, STRESS, AND SLEEP QUALITY: THE ROLE OF CONSCIENTIOUSNESS
Paula G. Williams, Psychology, University of Utah, Salt Lake City, UT, Tammy L. Moroz, Sleep Disorders Clinic, Stanford University Medical Center, Stanford, CA

241) Abstract 1724
COUPING STYLES IN CASES WITH CHRONIC FATIGUE SYNDROME IDENTIFIED FROM THE GENERAL POPULATION IN WICHITA, KANSAS
Urs M. Nater, Psychiatry & Behavioral Sciences, Emory University School of Medicine, Atlanta, GA, Dieter Wagner, James F. Jones, Elisabeth R. Unger, William C. Reeves, Viral Exanthems and Herpesvirus Branch, Centers for Disease Control & Prevention, Atlanta, GA, Christine M. Heim, Psychiatry & Behavioral Sciences, Emory University School of Medicine, Atlanta, GA

242) Abstract 1658
SOCIAL SUPPORT MODERATES THE EFFECTS OF EXPRESSIVE WRITING ON OLDER ADULTS’ HEALTH OUTCOMES
Kathi L. Heffner, Psychology, Ohio University, Athens, OH, Paul G. Devereaux, School of Public Health, University of Nevada, Reno, NV, Mei Ng, Amy R. Borchardt, Psychology, Ohio University, Athens, OH, G. P. Ginsburg, Psychology, University of Nevada, Reno, NV

243) Abstract 1748
VARIATION IN TOTAL BODY WATER ACROSS THE MENSTRUAL CYCLE: EFFECTS CARDIOVASCULAR FUNCTION DURING REST AND PSYCHOLOGICAL STRESS
Stephen M. Patterson, Psychology, Ohio University, Athens, OH, Birgit A. Shanhardt, Psychology, Marshall University, Huntington, West Virginia, Regina Wurfel, Psychology, Ohio University, Athens, OH

244) Abstract 1559
PREDICTING RISKY BEHAVIORS IN COLLEGE STUDENTS: A TWO-YEAR PROSPECTIVE STUDY
Melissa T. Buelow, Margret A. Appel, Psychology, Ohio University, Athens, Ohio
245) Abstract 1681
SOCIOECONOMIC DISPARITY IN PERIODONTAL DISEASE PROGRESSION
Deborah E. Polk, Behavioral Sciences, Robert J. Weyant, Dental Public Health, University of Pittsburgh, Pittsburgh, PA, Daniel W. McNeil, Psychology, Richard J. Crout, Periodontics, West Virginia University, Morgantown, WV, Mary L. Marazita, Oral Biology, University of Pittsburgh, Pittsburgh, PA

246) Abstract 1763
ENHANCED HEART RATE VARIABILITY AFTER SHORT TERM PRACTICE OF SPECIALIZED YOGIC BREATHING PROCESS IN PHYSICALLY ACTIVE PERSONS: AN ADD ON EFFECT
Narendra K. Bhandari, Medical Oncology, Institute Rotary Cancer Hospital, A.I.M.S., New Delhi, Delhi, India, Kishore K, Deepti, Physiology, All India Institute of Medical Sciences, New Delhi, Delhi, India

247) Abstract 1751
SOCIAL WORD USE IS ASSOCIATED WITH LONGEVITY IN A POPULATION OF WELL-KNOWN PSYCHOLOGISTS
Sarah D. Pressman, Michal Kollnescher, Sheldon Cohen, Psychology, Carnegie Mellon University, Pittsburgh, PA

248) Abstract 1746
CONCEPTUALIZING, OPERATIONALIZING, AND STUDYING AFRICAN-AMERICAN CULTURAL ORIENTATION: AN EFFORT TO EVALUATE AND EXPAND EXISTING WORK FROM A HEALTH PSYCHOLOGY PERSPECTIVE
Celopatra M. Abdou, Christine Dunkel Schetter, Adam W. Fingerhut, Psychology, UCLA, Los Angeles, CA

249) Abstract 1506
SLEEP QUALITY IN ADOLESCENTS EVALUATED BY ECOLOGICAL MOMENTARY ASSESSMENT AND ITS INFLUENCE ON PSYCHOLOGICAL AND PHYSICAL SYMPTOMS
Naoko Aoyagi, education, University of Tokyo, Bunkyo-ku, Tokyo, Japan, Toru Nakamura, Bioengineering, University of Osaka, Toyonaka, Osaka, Japan, Ken Kiyono, education, University of Tokyo, Bunkyo-ku, Tokyo, Japan, Zhiguiwu R. Strecik, Yoshihuru Yamamoto, education, University of Japan, Bunkyo-ku, Tokyo, Japan

250) Abstract 1729
SOCIOECONOMIC INEQUALITIES IN PHYSICAL ACTIVITY AND SEDENTARY BEHAVIOR IN YOUTH
Jennifer J. McGrath, Julie Fotsy, Psychology, Concordia University, Montreal, QC, Canada, Tracie A. Barnett, Preventive and Social Medicine, University of Montreal, Montreal, QC, Canada, Marie Lambert, Pediatrics, University of Montreal, St. Justine Hospital, Montreal, QC, Canada, Jennifer O’Loughlin, Gilles Paradis, Epidemiology & Biostatistics, McGill University, Montreal, QC, Canada

251) Abstract 1742
PREDICTORS OF CESSATION 12 MONTHS AFTER A FORCED SMOKING BAN: GENDER DIFFERENCES
Shawna L. Ehlers, Psychiatry and Psychology, Robert C. Klesges, Mark Vander Weg, Internal Medicine, Mayo Clinic, Rochester, MN, C. Keith Haddock, Psychology, University of Missouri-Kansas City, Kansas City, Missouri

252) Abstract 1035
PREVALENCE OF TOBACCO USE AMONG BRAZILIAN ELDERLY LIVING IN COMMUNITY
Valeska Marinho, Sergio L. Blay, Sergio B. Andreoli, Department of Psychiatry, Federal University of São Paulo, UNIFESP, São Paulo, SP, Brazil, Fabio L. Gastal, Department of Tropical Medicine, Federal University of Minas Gerais, UFMG, São Paulo, SP, Brazil

253) Abstract 1732
ESSENTIAL ELEMENTS: INFLUENCE OF DIETARY INTAKE ON HYDRATION STATUS
Lynne M. Rochette, Stephen M. Patterson, Psychology, Ohio University, Athens, OH

254) Abstract 1665
PSYCHOLOGICAL RESPONSES TO LIVER TRANSPLANTATION ACCORDING TO PRESENCE OR ABSENCE OF SUBSTANCE ABUSE HISTORIES
Elise Cheung, J. Soos, Psychology, S. Chung, C. Scudamore, A. Buczkowski, Surgery, Vancouver General Hospital, Vancouver, Canada

255) Abstract 1620
EFFECTIVENESS OF A WORKSITE-BASED INTERACTING WEBSITE FOR REDUCING ALCOHOL CONSUMPTION IN MODERATE-RISK EMPLOYEES
Cheryl Koopman, Robert A. Matano, Psychiatry & Behavioral Sciences, Stanley F. Wanat, Human Biology, Andrew Winzelberg, Shelly D. Whittell, Psychiatry & Behavioral Sciences, Stanford University, Stanford, CA, Darrah Westrup, National Center for PTSD, VA Palo Alto Health Care System, Menlo Park, CA, Kristine Futa, Permanente Medical Group, Fremont, CA, Justin B. Clayton, PGSP-Stanford PsyD Consortium, Stanford University, Stanford, CA, Lisa Massman, The Drake Institute of Behavioral Medicine, Northridge, CA, C. Barr Taylor, Psychiatry & Behavioral Sciences, Stanford University, Stanford, CA

256) Abstract 1556
ARE SELF-REPORTED MEASURES OF SLEEP QUANTITY AND QUALITY GOOD MARKERS OF SLEEP AS MEASURED BY POLYSOMNOGRAPHY?
Jane F. Owens, Karen A. Mathews, Martica Hall, Daniel Baysse, Thomas Kamarck, Steven Reis, University of Pittsburgh, Pittsburgh, PA

257) Abstract 1586
SUBSTANCE USE AND PERCEIVED RISK FOR CONTRACTING HIV IN MEN WHO HAVE SEX WITH MEN
Kristina A. Urban, Eric G. Benotsch, Psychology, University of Colorado at Denver, Denver, CO, Chris D. Nettles, Psychology, Univ. of Colorado at Denver, Denver, CO, Andrew Rosen, Kirsten E. Martin, Psychology, University of Colorado at Denver, Denver, CO

258) Abstract 1458
FATALISTIC TIME PERSPECTIVE AND SEXUAL RISK IN HIV+ MEN WHO HAVE SEX WITH MEN
Christopher D. Nettles, Eric G. Benotsch, Kristina Urban, Andrew Rosen, Kirsten Martin, Psychology, University of Colorado at Denver, Denver, Colorado

259) Abstract 1590
SELF ESTEEM IS ASSOCIATED WITH SLOWER CD4 DECLINE IN HIV
Elizabeth G. Balbin, Gail H. Ironson, Rick Stuezle, Conall O’Cleirigh, Psychology, Mary Ann Fletcher, Medicine, University of Miami, Miami, FL
260) Abstract 1235
BODY IMAGE AND SEXUAL RISK BEHAVIOR IN MEN
WHO HAVE SEX WITH MEN
Mandi Browning, Andrew Rosen, Eric Benotsch, Chris Nettles, Kristina
Uban, Kirsten Martin, Psychology, University of Colorado, Denver, CO

261) Abstract 1698
SEXUAL REVICTIMIZATION, PTSD, AND PAIN
AMONG HIV-POSITIVE ADULTS
Cheryl Gore-Felton, Psychiatry and Behavioral Sciences, Stanford
University School of Medicine, Stanford, CA, Michael DiMarco, Aurora
Sinai Medical Center, Milwaukee, Wisconsin, WI, Sarah Johaningsmeir,
Psychiatry, Medical College of Wisconsin, Milwaukee, WI

262) Abstract 1667
PTSD/HIV/AIDS: IS ONE A RISK FACTOR FOR THE
OTHER IN ADOLESCENTS AND YOUNG ADULTS?
Cheryl A. Kennedy, Psychiatry, Geri Botwinick, Pediatrics, New Jersey
Medical School-UMDNJ, Newark, NJ, Drew Johnson, Emmanuel Barongo,
Pediatrics, New Jersey Medical School, Newark, NJ, Robert L. Johnson,
Pediatrics, New Jersey, Newark, NJ

263) Abstract 1645
SOCIAL AWKWARDNESS AND HIV RISK BEHAVIORS
IN MEN WHO USE THE INTERNET TO FIND SEXUAL
PARTNERS
Kirsten E. Martin, Eric G. Benotsch, Andrew Rosen, Christopher D. Nettles,
Kristina Uban, Psychology, University of Colorado, Denver, CO

264) Abstract 1491
THE PREVALENCE OF ANXIETY, DEPRESSION, AND
DISTRESS IN PERSONS WITH HIV INFECTION IN
IBADAN, NIGERIA
Shirley J. Delaleu, Psychiatry, Mount Sinai School of Medicine, New York, NY

265) Abstract 1436
A MISSING LINK — THE RELATIONSHIP BETWEEN
SALIVARY CORTISOL AND GLUCOCORTICOID
RESISTANCE IN MULTIPLE SCLEROSIS
David C. Mohr, Catledge Claudine, Lea Vella, Psychiatry, David Daikh,
Medicine, University of California, San Francisco, CA

266) Abstract 1508
ADIPOSITY AND CYTOKINE RESPONSES TO ACUTE
MENTAL STRESS
Lena Brydon, Caroline E. Wright, Katie O’Donnell, Bev Murray, Jane
Wardle, Andrew Steptoe, Epidemiology and Public Health, University
College London, London, England, UK

267) Abstract 1508
PERCEIVED STRESS IS ASSOCIATED WITH THE
MAGNITUDE OF CELLULAR IMMUNE RESPONSES
TO ACUTE LABORATORY STRESS
Arac P. Prather, Anna L. Marsland, Psychology, University of Pittsburgh,
Pittsburgh, PA

268) Abstract 1532
CIRCULATING CYTOKINES, COGNITION AND AGE
IN HEALTHY WOMEN
Mats Lekander, Jan van Essen, Cln Neurosci, Karolinska Institutet,
Stockholm, Sweden, Marianne Schultzberg, Anita Garland, Dpt
NEUROTEC, Karolinska Institutet, Huddinge, Sweden, Lars-Goran
Nilsson, Dpt of Psychology, Stockholm University, Stockholm, Sweden

269) Abstract 1703
SLEEP AND THE DIURNAL AFFECT CURVE
Nancy A. Hamilton, David Luxton, Psychology, University of Kansas, Lawrence, Kansas,
Glenn Affleck, Community Medicine and Health Care, University of
Connecticut Health Center, Farmington, Connecticut, Howard Tennen,
Department of Community Medicine and Health Care, University of
Connecticut, Farmington, Connecticut, Cynthia Karlson, Psychology,
University of Kansas, Lawrence, Kansas

270) Abstract 1514
EFFECT OF RELAXATION THERAPY ON HEART RATE
VARIABILITY IN TENSION-TYPE HEADACHE PA-
TIENTS
Hiroe Kikuchi, Kazuhiro Yoshiuchi, Nahoko Yoshida, Psychosomatic
Medicine, The University of Tokyo, Tokyo, Japan, Kyoko Ohashi, McLean
Hospital, Harvard Medical School, Belmont, MA, Yoshiharu Yamamoto,
Education, Hiroaki Kumano, Tomifusa Kuboki, Akira Akabayashi,
Psychosomatic Medicine, The University of Tokyo, Tokyo, Japan
275) Abstract 1513
EFFECT OF RELAXATION THERAPY ON TENSION-TYPE HEADACHE: A RANDOMIZED CONTROLLED TRIAL
Hiroe Kikuchi, Kazushiro Yoshiiuchi, Psychosomatic Medicine, The University of Tokyo, Tokyo, Japan, Nahoko Yoshida, Advanced Science and Medical Care, Waseda University, Tokyo, Japan, Hiroaki Kamano, Tomiisu Kaboki, Akira Akabayashi, Psychosomatic Medicine, The University of Tokyo, Tokyo, Japan

276) Abstract 1673
POSITIVE AFFECT AND PAIN READINESS TO CHANGE IN PATIENTS WITH RHEUMATOID ARTHRITIS
Elin B. Strand, Arnstein Finset, Dept. of Behavioural Sciences in Medicine, University of Oslo, Oslo, Norway

277) Abstract 1541
PERCEIVED RELATIONSHIP TO PROVIDERS, AFFECT AND PAIN IN PATIENTS WITH RHEUMATOID ARTHRITIS
Arnstein Finset, Elin B. Strand, Behavioral Sciences in Medicine, University of Oslo, Oslo, Norway

278) Abstract 1296
PERSONALITY FACTORS AND SYMPTOMS IN PATIENTS WITH CHRONIC PELVIC PAIN
Siv Leganger, Psychosom, and Behav, med., Unni M. Kirate, Gynecology, Gro K. Haugstad, Birgitte Boye, Ulrik F. Malt, Psychosom, and Behav. med., Rikshospitalet Univ. hosp., Oslo, Norway

279) Abstract 1517
PREVALENCE AND SEVERITY OF COMORBID PAIN AMONG PRIMARY CARE PATIENTS WITH PANIC AND/OR GENERALIZED ANXIETY DISORDER
Carrie Farmer Teh, Health Policy, Harvard University, Boston, MA, Bea Herbeck Belnap, Fang Zha, Bruce L. Rollman, Medicine, University of Pittsburgh, Pittsburgh, PA

280) Abstract 1432
SUBJECTIVE WORRY ABOUT HEART FUNCTIONING AND OBJECTIVE CARDIAC RISK IN PATIENTS WITH NON-CARDIAC CHEST PAIN
Kamila S. White, Stefanie L. Malone, Psychology, University of Missouri-St. Louis, Saint Louis, MO, Nicholas A. Covino, Psychiatry, Ernest V. Gervino, Cardiology, Beth Israel Deaconess Medical Center, Boston, MA

281) Abstract 1416
THE EFFECTS OF VERBAL EMOTIONAL EXPRESSION ON PHYSICAL AND PSYCHOLOGICAL HEALTH IN JUVENILE PRIMARY FIBROMYALGIA: A CONTROLLED STUDY
Genelle J. Weitz, Melanie A. Greenberg, Psychology (CSPP), Alliant International University, San Diego, CA, Ilona S. Szes, Pediatric Rheumatology, Children’s Hospital & Health Center, San Diego, CA

282) Abstract 1466
DELAYED EFFECTS OF AVOIDANT ATTACHMENT STYLE ON SYMPTOM-SPECIFIC REACTIVITY AMONG CHRONIC PAIN PATIENTS IS MODERATED BY ATTENTION STRATEGY DURING PAIN
Carla M. Nappi, John W. Burns, Psychology, Rosalind Franklin University of Medicine and Science, North Chicago, IL

283) Abstract 1741
EXPERIENCE AND RECOLLECTION: NEUROTICISM MODERATES SUBSEQUENT PERCEPTIONS OF STRESS BUT NOT CARDIOVASCULAR REACTIVITY AT TIME OF TASK
John M. Ruiz, James Hutchinson, Heidi A. Hamann, Jennifer Nelson, Kimberly Lanni, Jennifer Stevenson, Joni T. Howard, Department of Psychology, Washington State University, Pullman, WA

284) Abstract 1468
EFFICACY OF PAROXETINE FOR TREATING CHRONIC STRESS-INDUCED LOW-GRADE FEVER
Takakazu Oka, Yuko Kaneda, Masaki Takenaga, Sota Hayashida, Naoki Kodama, Sadatoshi Tani, Neurology, University of Occupational and Environmental Health, Kitakyushu, Japan

285) Abstract 1736
BREAST-FEEDING AND HIGHER OXYTOCIN ARE RELATED TO LOWER VASCULAR RESISTANCE AND GREATER CARDIAC OUTPUT REACTIVITY TO STRESS
Karen Grewen, Kathleen C. Light, Psychiatry, University of North Carolina, Chapel Hill, NC

286) Abstract 1723
SOCIAL SUPPORT EFFECTS ON PHYSIOLOGICAL REACTIVITY DURING ANTICIPATION OF SOCIAL EVALUATION
Amy R. Borchardt, Kathi L. Heffner, Psychology, Ohio University, Athens, OH

287) Abstract 1736
DO OVERWEIGHT UNDERGRADUATES HAVE HEIGHTENED CORTISOL REACTIVITY TO ACUTE STRESSORS?
Angela E. Swift, Psychology, Indiana University Purdue University Indianapolis, Indianapolis, Indiana, Natalie Hamrick, Anesthesiology, Indiana University School of Medicine, Indianapolis, In, Heather N. Musselman, Joshua Dyer, Psychology, Indiana University Purdue University Indianapolis, Indianapolis, In, Jianping Zhang, Psychiatry and Psychology, The Cleveland Clinic Foundation, Cleveland, OH, Andrea Shafer, Hsi-hua Lin, Psychology, Indiana University Purdue University Indianapolis, Indianapolis, In
289) Abstract 1704
CIRCADIAN ENDOCRINE CORTISOL SECRETION, STRESS RESPONSES AND AUTONOMIC NERVOUS SYSTEM REGULATION IN CRITICAL CARE PERSONNEL
Rahel R. Looser, Institute of Behavioral Sciences, Swiss Federal Institute of Technology, Zurich, Switzerland, Petra Metzenthin, Institute of Behavioral Science, Swiss Federal Institute of Technology, Zurich, 8092, Switzerland, Susanne Helfricht, Michael Meinel, Brigitte M. Kudielka, Institute of Behavioral Sciences, Swiss Federal Institute of Technology, Zurich, Switzerland, Julian F. Thayer, Intramural Research Program, National Institute of Aging, Baltimore, MD, Joachim E. Fischer, Institute of Behavioral Sciences, Swiss Federal Institute of Technology, Zurich, Switzerland

290) Abstract 1445
POOR SLEEP AND WAKING CARDIAC FUNCTIONING IN NORMAL INDIVIDUALS
Richard A. Nelesen, Joel E. Dimsdale, Psychiatry, University of California, San Diego, La Jolla, CA

291) Abstract 1486
THE EFFECT OF MOOD STATES ON QT INTERVALS AND QT DISPERSION IN EATING DISORDER
Yoshiyuki Takimoto, Kazuhiro Yoshiuchi, Hiroaki Kumano, Akira Akahayashi, Psychosomatic Medicine, The University of Tokyo, Tokyo, Japan

292) Abstract 1305
NEUROPSYCHOLOGICAL IMPAIRMENT IN CHRONIC FATIGUE SYNDROME (CFS)
Ruud C. Vermeulen, CFS and Pain, Research Center Amsterdam, Amsterdam, The Netherlands, Leo M. De Sonneville, Faculty of Social Sciences, University of Leiden, Leiden, The Netherlands

7:00-12:00pm
Dinner and Entertainment
Capitol Ballroom 5-7

Attend this special evening, featuring the music of one of Denver’s most popular show bands, Boogie Machine, and you will be transported to the disco era of the 1970’s! This 4-piece disco dynamo will play all your favorite dance tunes, and will set the stage for a night of retro excitement. They dress the part (platform shoes, satin shirts, polyester pants...) and you can too — get ready to catch some “Saturday Night Fever”!

A ticket is required to attend this dinner. If you did not purchase a ticket in advance you may do so at the APS Meeting Registration Desk until noon on Thursday, March 2nd. Ticket prices are $20 for a Conference Attendee and $40 for a Conference Guest.
In compliance with the Standards of the Accreditation Council for CME, it is the policy of the NIH/FAES CME Committee to ensure balance, independence, objectivity, and scientific rigor in all of its educational activities and to include information free of commercial bias and based on the best evidence available. All speakers and planning committee members and others in a position to influence the activity content have disclosed relevant financial interests or relationships of their own, their spouse/partner, or their worksite, with any manufacturer or provider of a commercial product, service, technology, or program; any planned discussion of unapproved/investigative use of a commercial product/device; and also disclosed relationships with any non-governmental supporters of this (there are no non-governmental supporters). The speakers and planners names and their disclosed information and, if applicable, the steps taken to resolve any possible conflict of interest, is provided on page 71.

Emma Adam PhD
Assistant Professor, Education and Social Policy, Northwestern University
DAY-TO-DAY DYNAMICS OF NATURALISTIC MOOD-CORTISOL ASSOCIATIONS IN A POPULATION-BASED SAMPLE OF OLDER ADULTS
Disclosure: None

Ralph Adolphs PhD
Professor, Psychology & Neuroscience, California Institute of Technology
NEUROSCIENCE PRE-CONFERENCE WORKSHOP: NEUROSCIENTIFIC METHODS AND THEIR APPLICATION TO RESEARCH IN PSYCHOSOMATIC MEDICINE
Disclosure: None

Michael Antoni PhD
Professor, Psychology, University of Miami
STRESS MANAGEMENT INTERVENTION EFFECTS ON BENEFIT FINDING, POSITIVE OUTCOMES AND PHYSIOLOGICAL REGULATION FOR WOMEN TREATED FOR BREAST CANCER
Disclosure: None

Jennifer Austenfeld MD
Psychology intern, Psychology, University of Kansas
WRITING ABOUT EMOTIONS VERSUS GOALS IN THIRD-YEAR MEDICAL STUDENTS: EFFECTIVE FOR WHOM?
Disclosure: None

Michael Babyak PhD
Associate Clinical Professor in Medical Psychology, Psychiatry and Behavioral Sciences, Duke University Medical Center
STATISTICS BREAKFAST ROUNDTABLE
Disclosure: None

Fabrizio Benedetti MD
Professor, Neuroscience, Univ of Turin Med School
BRAIN MECHANISMS OF PAIN FROM A PSYCHOSOMATOIC MEDICINE PERSPECTIVE
Disclosure: None

Julienne Bower PhD
Assistant Professor, Psychiatry and Biobehavioral Sciences, UCLA
PROGRAM COMMITTEE MEMBER
Disclosure: None

Nisha Brady BS
Graduate Student, Psychology, St. John’s University
RACISM AND NEGATIVE MOOD: ANALYSES OF TRAIT AND DIARY MEASURES OF MOOD
Disclosure: None

Joan Broderick PhD
Assistant Professor, Psychiatry, SUNY at Stonybrook
MOBILIZING TO ADDRESS BIOPSYCHOSOCIAL CONSEQUENCES OF DISASTER
Disclosure: None

Elizabeth Brondolo PhD
Associate Professor, Psychology, St. John’s University
RACISM AND AMBULATORY BLOOD PRESSURE IN A COMMUNITY SAMPLE
RACISM: RISK FACTORS, PSYCHOSOCIAL MECHANISMS, AND CARDIOVASCULAR CORRELATES
Disclosure: None

Jos Brosschot PhD
Researcher, Psychology, Leiden University
PROLONGED STRESS-RELATED ACTIVATION AND HEALTH WORRY DURATION MEDIATES EFFECTS OF DAILY STRESS ON HEART RATE VARIABILITY DURING WAKING AND SUBSEQUENT NOCTURNAL SLEEPING
PROGRAM COMMITTEE MEMBER
Disclosure: None

Matthew Burg PhD
Associate Clinical Professor, Medicine, Yale University, for the ENRICHD Investigators
PREDICTORS OF DEPRESSION AND SOCIAL SUPPORT OUTCOMES IN THE ENRICHD STUDY
Disclosure: None

Lucile Capuron PhD
Professor, Universite Bordeaux 2
INTERFERON-ALPHA THERAPY IS ASSOCIATED WITH ALTERED INFORMATION PROCESSING IN PATIENTS WITH CHRONIC HEPATITIS C
Disclosure: None

Robert Carney PhD
Professor, Psychiatry, Washington University
HEART RATE TURBULENCE, DEPRESSION, AND SURVIVAL AFTER ACUTE MYOCARDIAL INFARCTION
Disclosure: None
Sue Carter PhD
Professor, Psychiatry, University of Illinois at Chicago
NEUROPEPTIDES AND THE BENEFICIAL EFFECTS OF SOCIAL INTERACTIONS: LESSONS FROM PRAIRIE VOLES
Disclosure: None

Margaret Chesney PhD
Deputy Director, Complementary & Alternative Med, Nat’l Ctr for Complementary & Alternative Med., NIH INTEGRATIVE MEDICINE RESEARCH
Disclosure: None

Nicholas Christenfeld PhD
Professor, Psychology, University of California, San Diego ENHANCING CARDIOVASCULAR RECOVERY FROM ACUTE STRESS WITH EXPERIMENTAL INTERVENTIONS
Disclosure: None

Alan Christensen PhD
Professor, Psychology, University of Iowa CAREER DEVELOPMENT WORKSHOP
Disclosure: None

Christopher Coe PhD
Professor, Psychology, University of Wisconsin, Madison PRENATAL ORIGINS OF HEALTH AND ILLNESS IN INFANCY BENEFITS OF MEDITATION AND STRESS REDUCTION IN FIBROMYALGIA
Disclosure: None

Joan Cohen PhD
Assistant Clinical Professor, School of Nursing, UCLA DECREASING DISTRESS IN PREGNANT LATINA WOMEN
Disclosure: None

Lorenzo Cohen PhD
Associate Prof., Depts of Behav Sci, Integrative Med, & Rad & Med Onc, The University of Texas M. D. Anderson Cancer Center BEST PRACTICES WORKSHOP INTEGRATIVE MEDICINE RESEARCH THEORY TO PRACTICE IN EXPRESSIVE WRITING INTERVENTIONS: EFFECTS OF EXPERIMENTAL CONTEXT AND PARTICIPANT ATTRIBUTES PROGRAM COMMITTEE CHAIR
Disclosure: None

Sheldon Cohen PhD
Professor, Psychology, Carnegie Mellon University PATRICIA R. BARCHAS AWARD LECTURE: DO POSITIVE EMOTIONS INFLUENCE HEALTH?
Disclosure: None

Sarah Conklin PhD
Post Doctoral Scholar, Psychiatry, University of Pittsburgh PLASMA FATTY ACIDS ARE ASSOCIATED WITH NORMATIVE VARIATION IN MOOD, PERSONALITY AND BEHAVIOR
Disclosure: None

Ingrid Connerney DrPH
Assistant Professor, Surgery, University of Maryland ASSOCIATION OF DEPRESSION WITH MORTALITY AT 7-YEAR FOLLOW-UP AFTER CORONARY ARTERY BYPASS GRAFT SURGERY
Disclosure: None

Ansgar Conrad Dipl.-Psych.
Dipl.-Psych., Psychiatry, Stanford University CIRCADIAN AFFECTIVE, CARDIOPULMONARY, AND CORTISOL VARIABILITY IN DEPRESSED AND NONDEPRESSED INDIVIDUALS AT RISK FOR CARDIOVASCULAR DISEASE
Disclosure: None

Paul T. Costa Jr. PhD
Senior Investigator, Chief, Personality, Stress and Coping Section, Laboratory of Personality and Cognition, National Institute on Aging, National Institutes of Health ACTIVITY DIRECTOR PROGRAM COMMITTEE MEMBER ABSTRACT REVIEWER
Disclosure: None

Mary Coussons-Read PhD
Associate Professor, Psychology and Health and Behavioral Science, University of Colorado at Denver and Health Sciences MODULATION OF INFLAMMATORY CYTOKINES BY PSYCHOSOCIAL FACTORS ACROSS PREGNANCY THE PSYCHONEUROIMMUNOLOGY OF PREGNANCY: PSYCHOSOCIAL, NEUROENDOCRINE, AND IMMUNE INFLUENCES ON PREGNANCY OUTCOME AND EARLY DEVELOPMENT
Disclosure: None

Hugo Critchley Dphil
Neurology, Institute of Cognitive Neuroscience, THE ROLE OF THE BRAIN IN MEDIATING THE ESTABLISHED LINK BETWEEN DEPRESSION AND CARDIAC MORTALITY NEUROSCIENTIFIC METHODS AND THEIR APPLICATION TO RESEARCH IN PSYCHOSOMATIC MEDICINE
Disclosure: None

Jill Cyranowski PhD
Assistant Professor, Western Psychiatric Inst. & Clinic EARLY CAREER AWARD MECHANISMS STRESS-BUFFERING VERSUS STRESS-ENHANCING EFFECTS OF CLOSE RELATIONSHIPS AMONG CURRENTLY DEPRESSED AND NEVER-DEPRESSED WOMEN PROGRAM COMMITTEE MEMBER
Disclosure: None

Eco De Geus PhD
Professor, Biological Psychology, Vrije Universiteit A BIVARIATE APPROACH TO THE GENETICS OF CARDIOVASCULAR STRESS REACTIVITY: STRESS UNCOVERS GENETIC VARIANCE
Disclosure: None

Peter de Jonge PhD
Assistant Professor, Psychiatry, University of Groningen EFFECTS OF ANTIDEPRESSIVE THERAPY FOR THE TREATMENT OF DEPRESSION FOLLOWING MYOCARDIAL INFARCTION: RESULTS FROM THE MYOCARDIAL INFARCTION AND DEPRESSION INTERVENTION TRIAL (MIND-IT)
Disclosure: None
Peter Gianaros PhD  
Assistant Professor, Department of Psychiatry, University of Pittsburgh  
CHRONIC STRESSFUL EXPERIENCES PREDICT BRAIN ATROPHY AND DYSREGULATED PARASYMPATHETIC-CARDIAC CONTROL DURING ACUTE STRESS  
NEUROIMAGING OF AUTONOMIC-CARDIAC REACTIVITY IN HEALTH AND DISEASE  
HOW TO OPTIMIZE COLLABORATION IN NEUROSCIENTIFIC RESEARCH  
CAREER DEVELOPMENT WORKSHOP  
PROGRAM COMMITTEE CHAIR  
ABSTRACT REVIEWER  
Disclosure: None

Nicholas Giardino PhD  
Assistant Professor, Psychiatry, University of Michigan, Ann Arbor, MI  
COMBINED HEART RATE VARIABILITY AND PULSE OXIMETRY BIOFEEDBACK FOR CHRONIC OBSTRUCTIVE PULMONARY DISEASE  
Disclosure: None

Janine Giese-Davis PhD  
Senior Research Scholar, Psychiatry, Stanford University  
STRESS REACTIVITY IN METASTATIC BREAST CANCER PATIENTS: EFFECTS OF DEPRESSION  
Disclosure: None

Dorie Glover PhD  
Assistant Professor in Residence, Psychiatry and Biobehavioral Sciences, UCLA Semel Institute for Neuroscience & Human Behav  
MATERNAL STRESS AND CORTISOL CIRCADIAN RHYTHM IN HIGH-RISK INFANTS  
Disclosure: None

John Gottdiener MD  
Professor, Echocardiography Lab, Univ of Maryland  
THE ROLE OF THE BRAIN IN MEDIATING THE ESTABLISHED LINK BETWEEN DEPRESSION AND CARDIAC MORTALITY  
Disclosure: None

Tanya Goyal PhD  
Associate Research Scientist, Medicine, Columbia University  
ABSTRACT REVIEWER  
Disclosure: None

Douglas Granger PhD  
Associate Professor, Biobehavioral Health, The Pennsylvania State University  
SALIVARY ALPHA AMYLASE: NOVEL BIOMARKER OF STRESS OR A MARKER IN SEARCH OF MEANING?  
Disclosure: See Chart on Page 73

Jeffrey Greeson MS  
Doctoral Candidate, Behavioral Medicine Research Center, University of Miami  
PSYCHOLOGICAL DISTRESS AND HIV PATHOGENESIS: ROLE OF CYTOTOXIC T-CELL ACTIVATION AND INFLAMMATORY CYTOKINE PRODUCTION  
Disclosure: None

James Gross PhD  
Associate Prof., Psychology, Stanford University  
FUNCTIONAL NEUROANATOMY  
Disclosure: None

Paul Grossman PhD  
Director of Research, Psychosomatic & Internal Medicine, University of Basel Hospital  
MINDFULNESS-BASED INTERVENTIONS IN PSYCHOSOMATICAL MEDICINE: A GENERIC APPROACH TO HELP PATIENTS COPE WITH CHRONIC DISORDER?  
IMMEDIATE AND 3-YEAR LONG TERM EFFECTS OF A MINDFULNESS INTERVENTION FOR FIBROMYALGIA  
MINDFULNESS-BASED INTERVENTIONS  
Disclosure: None

Brooks Gump PhD  
Associate Professor, Psychology, State University of New York at Oswego  
BLOOD LEAD (PB) LEVELS: A POTENTIAL ENVIRONMENTAL MECHANISM EXPLAINING THE RELATION BETWEEN SOCIOECONOMIC STATUS AND CARIOVASCULAR REACTIVITY IN CHILDREN  
Disclosure: None

Harald Gundel Dipl.Psych.  
Professor, Psychooncology, Technical University A TEN-SESSION INTERDISCIPLINARY PSYCHOEDUCATIONAL INTERVENTION HELD BY ONCOLOGISTS IMPROVES SATISFACTION WITH CARE AND DECREASES ANXIETY IN CANCER PATIENTS  
Disclosure: None

Martica Hall PhD  
Assistant Professor, Psychiatry, University of Pittsburgh  
SLEEP IN PSYCHOSOMATICAL RESEARCH: RISK FACTORS, CONSEQUENCES TO HEALTH, AND BEHAVIORAL INTERVENTIONS  
PROGRAM COMMITTEE CHAIR  
ABSTRACT REVIEWER  
Disclosure: None

Mark Hamer PhD  
Research Fellow, Psychobiology, University College London  
INFLAMMATORY AND PLATELET RESPONSES TO REPEATED MENTAL STRESS: INDIVIDUAL STABILITY AND HABITUATION OVER TIME  
Disclosure: None

Neil Harrison MBBS  
Researcher, Institute of Cognitive Neuroscience  
ABSTRACT REVIEWER  
Disclosure: None

Jeanne Hernandez MSPH  
Clinical Ass’ t Prof., Anesthesiology, Univ of NC Chapel Hill  
THE USE OF HYPNOSIS IN MEDICAL RESEARCH  
Disclosure: None
Christoph Herrmann-Lingen Prof. Dr. med.
Professor, Psychosomatic Medicine, Philipp’s University
DEPRESSIVE SYMPTOMS INDEPENDENTLY PREDICT
RECURRENCE OF ATRIAL FIBRILLATION AFTER
ELECTRICAL CARDIOVERSION
PHYSICAL AND PSYCHOSOCIAL PREDICTORS OF
MALIGNANT VENTRICULAR TACHYARRHYTHMIAS IN
PATIENTS WITH IMPLANTED DEFIBRILLATORS
Disclosure: None

Clayton Hilmert PhD
Assistant Professor, Psychology, North Dakota State University
PSYCHOSOCIAL STRESS, PHYSIOLOGY, AND RACIAL
DISPARITIES IN ADVERSE PREGNANCY OUTCOMES
Disclosure: None

Chiaowen Hsiao BS
Biostatistician, Med & Clinical Psych, Uniformed Services U
SOCIAL SUPPORT AND STRESS AS INDEPENDENT
PREDICTORS OF DIMINISHED HEART RATE VARIABILITY IN
ARRHYTHMIA- VULNERABLE CORONARY ARTERY DISEASE
PATIENTS
Disclosure: None

Gail Ironson MD, PhD
Professor, Psychology/Psychiatry/Behavioral Medicine, University of Miami
PERSONALITY AND HIV: THE RELATIONSHIP BETWEEN
NEO-PI-R PERSONALITY DOMAINS AND FACETS AND
DISEASE PROGRESSION IN HIV OVER 4 YEARS.
BEST PRACTICES WORKSHOP
Disclosure: None

Michael Irwin MD
Professor, Psychiatry, Cousins Center, UCLA Semel Institute
COMPARATIVE META-ANALYSIS OF BEHAVIORAL
INTERVENTIONS FOR INSOMNIA: EFFICACY IN ADULTS
AND IN ADULTS 55+ YEARS.
BUILDING A CAREER IN BIOBEHAVIORAL/
PSYCHOSOMATIC MEDICINE
Disclosure: None

Sherman James PhD
Professor, Community and Family Medicine, Duke University
JOHN HENRYISM AND HEALTH OUTCOMES AMONG
AFRICAN-AMERICANS: A RECONCEPTUALIZATION
Disclosure: None

Charles Jonassaint MA
Graduate Student, Psychology, Duke University
JOHN HENRYISM IN ASSOCIATION WITH NEO PI-R
DOMAINS
Disclosure: None

Peter Kaufman PhD
Head, Behavioral Medicine Research Group, NHLBI
IT’S NOT THE GENES OR THE ENVIRONMENT, STUPID; IT’S
THE GENES AND THE ENVIRONMENT, STUPID: GENE BY
ENVIRONMENT INTERACTIONS, PSYCHOSOCIAL RISK
FACTORS AND BIOBEHAVIORAL MECHANISMS
RECENT CLINICAL TRIALS FOR DEPRESSION IN PATIENTS
WITH CORONARY HEART DISEASE
Disclosure: None

Francis Keefe PhD
Professor, Psychiatry, Duke Univ Med Ctr
BRAIN MECHANISMS OF PAIN FROM A PSYCHOSOMATIC
MEDICINE PERSPECTIVE
Disclosure: None

Clemens Kirschbaum PhD
Professor of Biological Psychology, Psychology, Technical
University of Dresden
PROGRAM COMMITTEE MEMBER
Disclosure: None

Laura Klein PhD
Associate Professor, Biobehavioral Health, The Pennsylvania State University
EFFECTS OF CAFFEINE AND STRESS ON SALIVARY ALPHA-
AMYLASE IN YOUNG MEN: A SALIVARY BIOMARKER OF
SYMPATHETIC ACTIVITY
ABSTRACT REVIEWER
Disclosure: None

Mirjam Knol MSc
MSc, Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht
DEPRESSION AS A RISK FACTOR FOR THE ONSET OF TYPE
2 DIABETES MELLITUS. A META-ANALYSIS.
Disclosure: None

Kenneth Koch MD
Professor, Internal Medicine, Wake Forest University School of Medicine
ELECTROGASTROGRAPHY: PHYSIOLOGICAL BASIS AND
CLINICAL APPLICATIONS
Disclosure: None

Cheryl Koopman PhD
Associate Professor, Psychiatry and Behavioral Sciences, Stanford University
MOBILIZING TO ADDRESS BIOPSYCHOSOCIAL
CONSEQUENCES OF DISASTER
Disclosure: None

Willem Kop PhD
Associate Professor, Medical & Clinical Psychology, USUHS
PRO-INFLAMMATORY RESPONSES TO MENTAL STRESS AND
EXERCISE IN CARDIAC PATIENTS FOLLOWING
SUCCESSFUL CORONARY ANGIOPLASTY
Disclosure: None

David Kupfer MD
Chairman, Dept. of Psychiatry, Univ of Pittsburgh
BUILDING A CAREER IN BIOBEHAVIORAL/
PSYCHOSOMATIC MEDICINE
THE ROLE OF THE BRAIN IN MEDIATING THE
ESTABLISHED LINK BETWEEN DEPRESSION AND CARDIAC
MORTALITY
BRAIN, MIND, BODY AND SOUL
Disclosure: None
Richard Lane MD, PhD
Professor of Psychiatry, Psychology and Neuroscience, Psychiatry, University of Arizona
THE ROLE OF THE BRAIN IN MEDIATING THE ESTABLISHED LINK BETWEEN DEPRESSION AND CARDIAC MORTALITY
HOW TO OPTIMIZE COLLABORATION IN NEUROSCIENTIFIC RESEARCH
NEUROSCIENTIFIC METHODS AND THEIR APPLICATION TO RESEARCH IN PSYCHOSOMATIC MEDICINE
NEURAL SUBSTRATES OF IMPLICIT AND EXPLICIT EMOTIONAL PROCESSES: A UNIFYING FRAMEWORK FOR PSYCHOSOMATIC MEDICINE
PROGRAM COMMITTEE MEMBER
Disclosure: None

Suzanne Lechner PhD
Assistant Professor, Psychiatry, University of Miami School of Medicine
DOES BENEFIT FINDING DIFFER BY TYPE OF CANCER?
Disclosure: None

Jane Leserman PhD
Professor, Psychiatry, Univ of North Carolina
CAREER DEVELOPMENT WORKSHOP
ABSTRACT REVIEWER
Disclosure: None

Francois Lesperance MD
Professor, Psychiatry, CHUM
ABSTRACT REVIEWER
Disclosure: None

Max Levine PhD
Assistant Professor, Internal Medicine and Psychology, Wake Forest University
THE USE OF NON-INVASIVE ELECTROGASTROGRAPHY (EGG) IN STUDIES OF BRAIN-GUT INTERACTIONS: PHYSIOLOGICAL BASIS, PSYCHOPHYSIOLOGICAL RELATIONSHIPS, AND CLINICAL APPLICATIONS PERCEIVED CONTROL AND PREDICTABILITY: PSYCHOSOCIAL INFLUENCES ON THE DEVELOPMENT OF GASTRIC TACHYARRHYTHMIA AND VECTION-INDUCED NAUSEA
ABSTRACT REVIEWER
Disclosure: None

Tene Lewis PhD
Assistant Professor, Preventive Medicine, Rush Univ Med Ctr
EARLY CAREER AWARD MECHANISMS
CAREER DEVELOPMENT WORKSHOP
ABSTRACT REVIEWER
PROGRAM COMMITTEE MEMBER
Disclosure: None

Kathleen Light PhD
Professor, Psychiatry, University of North Carolina
OXYTOCIN IS LINKED TO LOWER BLOOD PRESSURE AND SYMPATHETIC ACTIVITY BEFORE AND AFTER WARM CONTACT IN COUPLES AND MOTHER-INFANT DYADS
Disclosure: None

Elizabeth Lin MD
Scientific Investigator, Center for Health Studies, Group Health Cooperative
CAN DEPRESSION TREATMENT IMPROVE CO-EXISTING MEDICAL ILLNESS?
Disclosure: None

Wolfgang Linden PhD
Professor, Psychology, University of British Columbia
PROLONGED STRESS-RELATED ACTIVATION AND HEALTH
Disclosure: None

Maria Magdalena Llabre PhD
Professor, Psychology, University of Miami
STATISTICS BREAKFAST ROUNDTABLE
Disclosure: None

Steven Locke MD
Assistant Professor, Psychiatry, Harvard Medical School
MOBILIZING TO ADDRESS BIOPSYCHOSOCIAL CONSEQUENCES OF DISASTER
IOM’S MEDICAL EDUCATION AGENDA: CHALLENGING THE HEGEMONY OF THE BIOMEDICAL MODEL IN UNDERGRADUATE MEDICAL EDUCATION
Disclosure: See Chart on Page 73

Qian Lu PhD
Postdoctoral fellow, Psychology, University of California, Los Angeles
HOW HEALTH BENEFITS OF EXPRESSIVE WRITING VARY AS A FUNCTION OF WRITING INSTRUCTIONS, ETHNICITY, AND PERSONALITY
Disclosure: None

Mark Lumley PhD
Professor, Psychology, Wayne State University
SCHOLAR & INTERNATIONAL TRAVEL ASSISTANCE AWARDS
Disclosure: None

Susan Lutgendorf PhD
Associate Professor, Psychology, U. of Iowa
SOCIAL SUPPORT AND CYTOKINE PRODUCING T-CELL POPULATIONS IN THE OVARIAN CANCER MICROENVIRONMENT
INTEGRATIVE MEDICINE RESEARCH: CHALLENGES AND OPPORTUNITIES
DATA BLITZ
PROGRAM COMMITTEE MEMBER
ABSTRACT REVIEWER
Disclosure: None

Steven Maier PhD
Professor, Psychology, University of Colorado
IMMUNE-TO-BRAIN COMMUNICATION: IMPLICATIONS FOR UNDERSTANDING COGNITIVE DISORDERS
Disclosure: None

Stephen Manuck PhD
Professor, Psychology, University of Pittsburgh
IT’S NOT THE GENES OR THE ENVIRONMENT, STUPID: IT’S THE GENES AND THE ENVIRONMENT, STUPID: GENE BY ENVIRONMENT INTERACTIONS, PSYCHOSOCIAL RISK FACTORS AND BIOBEHAVIORAL MECHANISMS
Disclosure: None
G. Alan Marlatt PhD
Professor and Director, Psychology, University of Washington
MINDFULNESS MEDITATION IN THE TREATMENT OF ADDICTIVE BEHAVIORS WITHIN A PRISON POPULATION
Disclosure: None

Anna Marsland PhD, RN
Assistant Professor, Psychology, University of Pittsburgh
IMMUNE-TO-BRAIN COMMUNICATION: THE INFLUENCE OF CYTOKINES ON BRAIN ACTIVITY AND COGNITIVE FUNCTION
INTERLEUKIN-6 COVARIATES INVERSELY WITH COGNITIVE PERFORMANCE AMONG MIDDLE-AGED COMMUNITY VOLUNTEERS
PROGRAM COMMITTEE MEMBER
ABSTRACT REVIEWER
Disclosure: None

Karen Matthews PhD
Professor, Psychiatry, University of Pittsburgh
BLOOD PRESSURE DIPPING STATUS AND SLEEP QUALITY
Disclosure: None

Scott Matthews MD
Assistant Adjunct Professor, Psychiatry, University of California San Diego
HOW TO OPTIMIZE COLLABORATION IN NEUROSCIENTIFIC RESEARCH
INCREASED AMYGDALA ACTIVATION IN SUBJECTS WITH MAJOR DEPRESSION IS RELATED TO SYMPATHOVAGAL BALANCE
PROGRAM COMMITTEE MEMBER
ABSTRACT REVIEWER
Disclosure: None

Philip McCabe PhD
Professor and Associate Chair, Psychology, University of Miami
THE ROLE OF CENTRAL AND PERIPHERAL OXYTOCIN IN THE PROGRESSION OF ATHEROSCLEROSIS IN THE WATANABE HERITABLE HYPERLIPIDEMIC RABBIT BRAIN, MIND, BODY AND SOUL
Disclosure: None

Jeanne McCaffery PhD
Assistant Professor of Psychiatry and Human Behavior, Centers for Behavioral and Preventive Medicine, Brown Medical School and The Miriam Hospital
PROGRAM COMMITTEE MEMBER
ABSTRACT REVIEWER
Disclosure: None

Paige McDonald PhD
Program Director, BASIC & BIOBEHAVIORAL RESCH BR, NIH
EARLY CAREER AWARD
Disclosure: None

Bonnie McGregor PhD
Assistant Member, Cancer Prevention Program, Public Health Sciences Division, Fred Hutchinson Cancer Research Center, Public Health Sciences Division, Fred Hutchinson Cancer Research Center
ABSTRACT REVIEWER
Disclosure: None

Beth Mechlin BS
Graduate Student, Psychiatry, University of North Carolina
ALLOPREGNANOLONE, ETHNICITY, AND PAIN SENSITIVITY
Disclosure: None

Karin Meissner MD
Post-Doctoral Research Fellow, Institute of Medical Psychology, University of Munich
GASTRIC SLOW WAVE FREQUENCY AS A TOOL TO INVESTIGATE CENTRAL CONTROL DURING DIFFERENT COGNITIVE AND BEHAVIORAL TASKS
Disclosure: None

Marcellus Merritt PhD
Visiting Assistant Professor, Psychology, Cleveland State University
AFFECTIVE RESPONSE TO MENTAL STRESS AND THE JOHN HENRYISM HYPOTHESIS
Disclosure: None

C. Noel Bairey Merz MD
Associate Prof., Women's Hlth Prgm, Cedars-Sinai Med Ctr.
PSYCHOSOCIAL FACTORS AND CVD: 2006DISCLOSURE: NONE
Disclosure: None

Alicia Meuret PhD
Assistant Professor, Psychology, Southern Methodist University
PCO2 BIOFEEDBACK-ASSISTED BREATHING TRAINING FOR PANIC DISORDER AND ASTHMA: RATIONALE AND EMPIRICAL FINDINGS
ABSTRACT REVIEWER
Disclosure: None

Bruce Miller MD
Professor, Psychiatry, SUNY at Buffalo, School of Medicine and Biomedical S
ANS DYSREGULATION IN DEPRESSED ASTHMATIC CHILDREN UNDER EMOTIONAL STIMULATION
Disclosure: None

Gregory Miller PhD
Assistant Professor, Psychology, Univ of British Columbia
CAREER DEVELOPMENT WORKSHOP
Disclosure: None

Paul Mills PhD
Professor, Psychiatry, University of California, San Diego (UCSD)
PHYSICAL FITNESS ATTENUATES LEUKOCYTE-ENDOTHELIAL ADHESION IN RESPONSE TO ACUTE PHYSICAL STRESS
CAREER DEVELOPMENT WORKSHOP
Disclosure: None

Matthew Muldoon MD
Associate Professor, Medicine, University of Pittsburgh
BLUNTED CENTRAL SEROTONERGIC RESPONSIVITY IS ASSOCIATED WITH PRECLINICAL VASCULAR DISEASE
Disclosure: See Chart on Page 73
Eric Muth PhD  
Associate Professor, Psychology, Clemson University  
EFFECTS OF STRESS ON THE GASTROINTESTINAL SYSTEM  
Disclosure: None

Brenda Penninx PhD  
Associate Professor, Psychiatry, VU University Medical Center  
LATE-LIFE DEPRESSION IS ASSOCIATED WITH BOTH HYPER- AND HYPOACTIVITY OF THE HPA-AXIS  
Disclosure: None

Urs Nater PhD  
Post-doctoral fellow, Psychiatry & Behavioral Sciences, Emory University School of Medicine  
DETERMINANTS OF DIURNAL COURSE OF SALIVARY ALPHA-AMYLASE ACTIVITY  
Disclosure: None

Deidre Pereira PhD  
Assistant Professor, Psychology, Univ of Florida  
ABSTRACT REVIEWER  
Disclosure: None

Deborah Nazarian MS  
Graduate student, Psychology, Syracuse University  
THE ROLE OF CONTEXT IN THE EFFECTIVENESS OF AN EXPRESSIVE WRITING INTERVENTION  
Disclosure: None

Lynda Powell PhD  
Professor, Preventive Medicine, Rush Univ Med Ctr  
BRAIN, MIND, BODY AND SOUL  
Disclosure: None

Serina Neumann PhD  
Research Assistant Professor, Psychology, University of Pittsburgh  
HUMAN CHOLINE TRANSPORTER GENE VARIATION IS ASSOCIATED WITH CORTICOLIMBIC REACTIVITY AND AUTONOMIC CARDIAC FUNCTION  
Disclosure: None

Isaib Purdy PhD  
Clinical Instructor, Pediatrics, UCLA School of Medicine  
EVALUATING PERINATAL GLUCOCORTICOIDS AND PSYCHONEUROMUNOLOGY OF PRETERM INFANTS BEHAVIORAL DEVELOPMENT  
Disclosure: None

Mary-Frances O’Connor PhD  
Post-Doctoral Fellow, Neuropsychiatric Institute, UCLA-Counsins Center for PNI  
HOW TO OPTIMIZE COLLABORATION IN NEUROSCIENTIFIC RESEARCH  
PROGRAM COMMITTEE  
Disclosure: None

Michael Rapp MD, PhD  
Resident, Department of Psychiatry, Mount Sinai School of Medicine  
POST-ACS DEPRESSION IS ASSOCIATED WITH CEREBRAL DEEP WHITE MATTER CHANGES  
Disclosure: None

Herbert Ochitill MD  
Clinical Professor, Psychiatry, San Francisco Gen Hosp  
IOM’S MEDICAL EDUCATION AGENDA  
Disclosure: None

Thomas Ritz PhD  
Associate Prof., Dept of Psychology, Southern Methodist University  
BREATHING TRAINING AS A PSYCHOBIOLOGICAL INTERVENTION FOR ANXIETY DISORDER AND ORGANIC DISEASE  
PROGRAM COMMITTEE MEMBER  
ABSTRACT REVIEWER  
Disclosure: None

Hideki Ohira PhD  
Associate Professor, Psychology, Nagoya University  
APPRaisal ABOUT CONTrollABILITY OF ACUTE STRESSOR AND BRAIN-CARDIAC-IMMUNE ASSOCIATION  
Disclosure: None

Elwood Robinson PhD  
Professor, North Carolina Central University, North Carolina Central University  
JOHN HENRYISM AND HEALTH OUTCOMES AMONG AFRICAN-AMERICANS: A RECONCEPTUALIZATION  
Disclosure: None

Aric Prather BA  
Graduate Student, University of Pittsburgh  
ABSTRACT REVIEWER  
Disclosure: None

Michele Okun PhD  
Post Doctoral Scholar, Psychiatry, University of Pittsburgh  
DISTURBED SLEEP DURING PREGNANCY IS ASSOCIATED WITH CHANGES IN IN VITRO CYTOKINE PRODUCTION  
ABSTRACT REVIEWER  
Disclosure: None

Ted Robles MA  
Clinical Psychology Intern, University of Pittsburgh  
ABSTRACT REVIEWER  
Disclosure: None

Kristina Orth-Gomér PhD  
Professor, Public Health Sciences, Karolinska Institutet  
PSYCHOSOCIAL STRESS AND ATHEROSCLEROSIS  
Disclosure: None

Mercedes Rubio, PhD  
Assistant Director of the Individual Research Fellowship Program, NIH  
EARLY CAREER AWARD MECHANISMS  
Disclosure: None

Frank Penedo PhD  
Assistant Professor, Psychology, University of Miami  
ABSTRACT REVIEWER  
Disclosure: None
Annette Stanton PhD
Professor, Psychology, University of California, Los Angeles
FINDING BENEFITS IN ADVERSITY: PSYCHOLOGICAL AND PHYSIOLOGICAL PROCESSES
THEORY TO PRACTICE IN EXPRESSIVE WRITING INTERVENTIONS: EFFECTS OF EXPERIMENTAL CONTEXT AND PARTICIPANT ATTRIBUTES
Disclosure: None

Andrew Steptoe DPhil
Professor of Psychology, Epidemiology and Public Health, University College London
IMPAIRED POST-STRESS BLOOD PRESSURE RECOVERY AND CARDIOVASCULAR DISEASE RISK
Disclosure: None

Jesse Stewart PhD
Post Doctoral Scholar, University of Pittsburgh
ABSTRACT REVIEWER
Disclosure: None

Laura Stroud PhD
Assistant Professor, Psychiatry and Human Behavior, Brown Medical School
SALIVA ALPHA-AMYLASE STRESS REACTIVITY IN CHILDREN AND ADOLESCENTS: VALIDITY, ASSOCIATIONS WITH CORTISOL, AND LINKS TO BEHAVIOR
SALIVARY ALPHA AMYLASE: NOVEL BIOMARKER OF STRESS OR A MARKER IN SEARCH OF MEANING?
SALIVARY ALPHA AMYLASE PHYSIOLOGICAL RESPONSES TO STRESS OVER THE ADOLESCENT TRANSITION: PERFORMANCE VERSUS SOCIAL REJECTION STRESS
Disclosure: None

Richard Surwit PhD
Professor and Vice Chairman, Psychiatry and Behavioral Sciences, Duke University Medical Center
MAO-uVNTR IS RELATED TO CNS SEROTONERGIC FUNCTION, GLUCOSE METABOLISM, BMI AND HOSTILITY
Disclosure: None

Robert Swenson MD
Associate Professor, Epidemiology, The Ottawa Hospital
PROGRAM COMMITTEE MEMBER
Disclosure: None

Peter Taggart MD
Professor of Medicine, Department of Cardiology, University College London
ROLE OF BRAIN-HEART INTERACTIONS IN STABILISING AND DESTABILISING CARDIAC ELECTROPHYSIOLOGY
Disclosure: None

Lydia Temoshok PhD
Professor, Medicine, University of Maryland School of Medicine
PRELIMINARY EVIDENCE FOR PARALLEL DYSREGULATION ACROSS COPING, IMMUNE, AND PHYSIOLOGICAL RESPONSE SYSTEMS IN PATIENTS FROM AN HIV PRIMARY CARE CLINIC
Disclosure: None

Julian Thayer PhD
Professor, Emotions & Quantitative Psychophysiology Unit, National Institute on Aging
PROLONGED STRESS-RELATED ACTIVATION AND HEALTH A MODEL OF NEUROVISCERAL INTEGRATION: AN OVERVIEW WITH IMPLICATIONS FOR HEALTH AND DISEASE
PROLONGED STRESS-RELATED ACTIVATION AND HEALTH PROGRAM COMMITTEE MEMBER
Disclosure: None

Rebecca Thurston PhD
Assistant Professor, Psychiatry, University of Pittsburgh School of Medicine
ABDOMINAL ADIPOSITY AND RISK OF HOT FLASHES AMONG A BIRACIAL SAMPLE OF MIDLIFE WOMEN
ABSTRACT REVIEWER
Disclosure: None

Wendy Troxel MS
Predoctoral Fellow, Cardiovascular Behavioral Medicine, University of Pittsburgh School of Medicine
ABSTRACT REVIEWER
Disclosure: None

Guido Urizar PhD
Research Associate, Stanford University
DEPRESSION RISK STATUS AND CORTISOL IN A LOW-INCOME OBSTETRIC POPULATION: IMPACT OF A PRENATAL INTERVENTION
Disclosure: None

Viola Vaccarino MD, PhD
Associate Professor, Dept. of Medicine, Emory University
DEPRESSIVE SYMPTOMS AND INFLAMMATION: IS THERE A SHARED GENETIC VULNERABILITY?
DEPRESSIVE SYMPTOMS AND HOMOCYSTEINE: THE TWINS HEART STUDY
Disclosure: None

Louis van Zyl MB ChB
Assistant Professor, Div of Consultation-Liaison Psychiatry, Queen’s University
ABSTRACT REVIEWER
Disclosure: None

Lana Watkins PhD
Associate Research Professor, Psychiatry and Behavioral Sciences, Duke Medical Center
PHOBIC ANXIETY PREDICTS MORTALITY AND VENTRICULAR ARRHYTHMIAS IN CORONARY ARTERY DISEASE PATIENTS
PSYCHOSOCIAL FACTORS AND DIET
Disclosure: None

Karen Weis MD
Associate Professor, Psychiatry, Univ of Arizona
BEST PRACTICES WORKSHOP
Disclosure: See Chart on Page 73
Robin Wellington PhD
Assistant Professor, Psychology, St. John’s University
SOCIODEMOGRAPHIC VARIATIONS IN EXPOSURE TO RACISM
Disclosure: None

Sheila West PhD
Associate Professor, Biobehavioral Health, Pennsylvania State University
PSYCHOSOCIAL FACTORS AND DIET
Disclosure: None

Keith Whitfield PhD
Professor, Biobehavioral Health, The Pennsylvania State University
JOHN HENRYISM: ENVIRONMENT AND GENES
Disclosure: None

Mary Whooley MD
Assistant Professor, Medicine, Epidemiology and Biostatistics, University of California-SF
The Heart and Soul Study
Disclosure: None

Redford Williams MD
Professor, Psychiatry & Behavioral Sciences, Duke University Medical Center
MONOAMINE OXIDASE A (MAOA) PROMOTER POLYMORPHISM MODERATES EFFECTS OF CHRONIC STRESS ON URINARY CORTISOL AND CATECHOLAMINE EXCRETION IN MALE CAREGIVERS
BUILDING A CAREER IN BIOBEHAVIORAL/PSYCHOSOMATIC MEDICINE PROGRAM COMMITTEE MEMBER
ABSTRACT REVIEWER
Disclosure: See Chart on Page 73

Bill Wohlgemuth PhD
Clinical Psychologist and Assistant Clinical Professor, Department of Psychiatry and Behavioral Sciences, Duke University Medical Center
ABSTRACT REVIEWER
Disclosure: None

Beatrice Wood PhD
Associate Professor, Psychiatry, SUNY at Buffalo, School of Medicine and Biomedical S
FAMILY RELATIONAL FACTORS IN PEDIATRIC DEPRESSION AND ASTHMA: POSSIBLE PATHWAYS OF EFFECT
Disclosure: None

Lawson Wulsin MD
Associate Professor, Psychiatry, University of Cincinnati
UPDATES FROM THE PSYCHOSOMATIC MEDICINE INTEREST GROUPS
Disclosure: None

Raz Yirmiya
Professor, Psychology, The Hebrew University
THE ROLE OF PRO-INFLAMMATORY CYTOKINES IN MEMORY PROCESSES
Disclosure: None

Jon-Kar Zubieta MD
Associate Prof., Psychiatry, Univ of Michigan
BRAIN MECHANISMS OF PAIN FROM A PSYCHOSOMATIC MEDICINE PERSPECTIVE
Disclosure: None
In compliance with the Standards of the Accreditation Council for CME, it is the policy of the NIH/FAES CME Committee to ensure balance, independence, objectivity, and scientific rigor in all of its educational activities and to include information free of commercial bias and based on the best evidence available. All speakers and planning committee members and others in a position to influence the activity content have disclosed relevant financial interests or relationships of their own, their spouse/partner, or their worksite, with any manufacturer or provider of a commercial product, service, technology, or program; any planned discussion of unapproved/investigative use of a commercial product/device; and also disclosed relationships with any non-governmental supporters of this (there are no non-governmental supporters). The speakers and planners names and their disclosed information and, the steps taken to resolve any possible conflict of interest, is provided below.

**Off-label, Investigational, or Alternative Uses to be Discussed:**

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Product, device or technique</th>
<th>Manufacturer or Provider</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nancy Frasure-Smith</td>
<td>omega-3</td>
<td>Various, will not be discussed</td>
<td>SSRI augmentation</td>
</tr>
<tr>
<td>Matthew Muldoon</td>
<td>Citalopram</td>
<td>Various</td>
<td>pharmacologic testing</td>
</tr>
<tr>
<td>Judy Skala</td>
<td>omega-3 fatty acids</td>
<td>Various, will not be discussed</td>
<td>SSRI augmentation</td>
</tr>
<tr>
<td>Karen Weihl</td>
<td>Seratonin Reuptake Inhibitors</td>
<td>Many companies, including Wyeth, Pfizer, GSK, antidepressent – SSRI effectson cancer cell growth</td>
<td></td>
</tr>
<tr>
<td>Redford Williams</td>
<td>LifeSkills training</td>
<td>Williams LifeSkills, Inc.</td>
<td>stress management</td>
</tr>
<tr>
<td>Redford Williams</td>
<td>Genetic testing</td>
<td>Neuromark</td>
<td>risk assessment</td>
</tr>
</tbody>
</table>

**Relevant Financial Interests or Relationships Reported:**

<table>
<thead>
<tr>
<th>Speaker or Planner</th>
<th>Company</th>
<th>Product, device, or technique</th>
<th>Relationship</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nancy Frasure-Smith</td>
<td>omega-3</td>
<td>Isodis Natura</td>
<td>grant holder</td>
<td>The product and work will not be discussed. The content of this talk does not relate to the product.</td>
</tr>
<tr>
<td>Benjamin Gavish</td>
<td>InterCare Ltd.</td>
<td>Resperate</td>
<td>founder, employee, shareholder</td>
<td>Content of this talk does not relate to the product. The speaker will allow ample time for questions from the audience. Additional speakers will provide balance.</td>
</tr>
<tr>
<td>Douglas Granger</td>
<td>Salimetrics LLC</td>
<td>salivary biomarker assays</td>
<td>founder, president</td>
<td>Content of this talk does not relate to the product. The speaker will allow ample time for questions from the audience. Additional speakers will provide balance.</td>
</tr>
<tr>
<td>Steven Locke</td>
<td>LifeOptions Group</td>
<td>Crisis Coach</td>
<td>consultant</td>
<td>Content of this talk does not relate to any LifeOptions Group product. The speaker will allow ample time for questions from the audience. Additional speakers will provide balance.</td>
</tr>
<tr>
<td>Peter Shapiro</td>
<td>Pfizer</td>
<td>sertraline</td>
<td>serves on Pfizer’s speakers bureau</td>
<td>Dr. Shapiro is the best qualified person available to present this talk, has been published in peer review journals, and will allow ample time for questions from audience experts. He will not discuss Pfizer or sertraline — the content of this talk does not relate to the product.</td>
</tr>
<tr>
<td>Redford Williams</td>
<td>LifeSkills training</td>
<td>Williams LifeSkills, Inc.</td>
<td>major stockholder</td>
<td>The speaker will allow ample time for questions from the audience. Additional speakers will provide balance.</td>
</tr>
<tr>
<td>Redford Williams</td>
<td>Genetic testing</td>
<td>Neuromark</td>
<td>patent license</td>
<td>The speaker will allow ample time for questions from the audience. Additional speakers will provide balance.</td>
</tr>
</tbody>
</table>
Hyatt Regency Denver at Colorado Convention Center

Third Floor
American Psychosomatic Society
65th Annual Scientific Meeting
March 7 - 10, 2007
Budapest, Hungary

The Call for Abstracts will be available summer 2006 with a due date of early October 2006. Keep yourself informed by frequently visiting www.psychosomatic.org.