



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

**67th ANNUAL SCIENTIFIC MEETING**  
**MARCH 4 - 7, 2009**

*Psychosomatic Research and Care Across the Life Course*



*Chicago Marriott Downtown*  
*Chicago, IL USA*

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*Matthew Muldoon, MD, MPH  
APS President*

# Welcome to Chicago

Welcome to Chicago and the 67th Annual Meeting of the American Psychosomatic Society! I trust that you will find, in addition to the pleasures of the Miracle Mile, music scene and beautiful lake-front parks, an enticing series of offerings served up by our scientific Program Committee.

This year's meeting theme, ***Psychosomatic Research and Care Across the Life Course***, encourages us to consider clinical and research topics at the various stages of human life. As you know a truly psychosomatic or biobehavioral approach to medicine is not possible within the confines of a single clinical discipline. Therefore, we will continue our tradition of applying a multilevel framework that takes account of the biological, psychological, and social fabrics that shape all of us for better or worse. So, as you sample all that Chicago and our meeting have to offer, I believe that you will take home with you many new insights, whether you are still in training or already a professional interested in advancing understanding and treatment of the many illnesses in our communities.

## Meeting Objectives

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

1. discuss the effects of early life development on adult health and disease
2. review psychosocial determinants and consequences of midlife transitions
3. describe biological and psychosocial processes of successful aging and its disorders



*Christoph Herrmann-Lingen, MD  
Program Committee Chair*



*Scott Matthews, MD  
Program Committee Co-Chair*

# Meeting Information

## About APS

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

## Appreciation

APS would like to thank the following for their financial contributions to the success of this meeting: Jack D. Barchas, MD; Donald Oken, MD; family of Alvin P. Shapiro, MD; family and friends of Herbert Weiner, MD; The Cousins Center for Psychoneuroimmunology at the UCLA Neuropsychiatric Institute; and the National Cancer Institute.

## Continuing Education

**Physicians:** This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the Institute for the Advancement of Human Behavior, A Medical Education Company (IAHB-AMEDCO) and the American Psychosomatic Society. IAHB-AMEDCO is accredited by the ACCME to provide continuing medical education for physicians. IAHB-AMEDCO designates this educational activity for a maximum of **32.5 AMA PRA Category 1 Credit(s)<sup>TM</sup>**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**Psychologists:** This course is co-sponsored by Amedco and the American Psychosomatic Society. Amedco is approved by the American Psychological Association to offer continuing education for psychologists. Amedco maintains responsibility for this program and its content. **32.5 hours**

**Satisfactory completion:** Participants must complete an attendance/evaluation form in order to receive a certificate of completion/attendance. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. Getting your certificate has been made easier. Simply go online to [www.cmecertificateonline.com](http://www.cmecertificateonline.com) after the 67<sup>th</sup> Annual Meeting, complete the attendance/evaluation form and print your certificate. This online evaluation system will be available until **April 30, 2009**. After that date, certificates will no longer be available.

## Book and Journal Showcase

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

## Job Board

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

## APS Business Meeting

The APS Business Meeting is open to all members. The meeting will take place Saturday from 9:00-10:00 am. Come hear brief updates from the APS leadership regarding the previous year's activities, and plans for the upcoming year. This is a great opportunity to become involved in the activities of the Society, and learn more about what APS has to offer you.

## Yoga

This year we have assigned a room for morning yoga -- in the **McHenry Room** from 6:00 to 6:30 am -- bring your mat and start the day off the right way!

## Special Interest Get-Togethers

APS is hosting five special interest get-togethers in the Marriott on Friday evening, from 6:30 to 8:00 pm, on the topics of **Psychoneuroimmunology**, **Clinician's Interests**, **Functional Somatic Syndromes**, **Ethnic Disparities** and **Neuroscience**. You must be registered for a reception to participate (cost is \$10) -- please visit the APS Registration Desk to determine availability!

## Exhibiting and Advertising

APS welcomes the following exhibitors and advertisers to our meeting.

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

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

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

## How to Cite your Abstract

The April 2009 (volume 71, number 3) on-line issue of *Psychosomatic Medicine* contains the 2009 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 71, Number 3 and the page number in which your abstract appears. Note each page number appears with the letter A in front of the page number.

## Information for Presenters

If you will be presenting your research at a paper session or symposium, and will be using Powerpoint, please be prepared to load your slides onto the laptop in your session room on the day of your presentation, during a break prior to the beginning of your session. Please name your file with your last name and the date of your presentation. Please see the program details on the following pages to determine your session room. If you will be presenting a poster, please review the Poster Session listings -- before each abstract number and title listed in the program you will see a number which represents the number assigned to your poster. Please mount your poster at the correct poster station. If you have any questions, please do not hesitate to ask at the APS Registration Desk for guidance.

## Information on Roundtables

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

## Mentoring Program

APS will host a Mentor/Mentee program again this year, which will provide opportunities for young investigators/those new to the field to meet and network with more experienced APS colleagues in a relaxed and informal setting. Mentors will be identified during the meeting by special "Mentor" ribbons and are encouraged to have informal conversations about the meeting, professional development, APS, etc. with young investigators/those new to the field who are in attendance. In addition, there will be a Mentor/Mentee Reception on Thursday evening at 6:30 pm in the **Denver/Houston/Kansas City Room** on the 5th floor of the Marriott. Light snacks and beverages will be provided. Please visit the APS Registration Desk if you would like to participate but have not yet signed up for this program.

## Student/Trainee Dinner and Lounge

Students/Trainees attending the APS meeting have been invited to attend a dinner at **Boston Blackie's** following the Mentor/Mentee Reception, on Thursday, March 5. Individuals will be responsible for their own transportation and the cost of the meal - please stop by the APS Registration Desk if you are interested in attending but haven't yet signed up. There will also be a student/trainee lounge in the **Chicago Ballroom H** which will be open during the hours of the meeting. Please visit the lounge and network with other student/trainees.

# Awards and Special Recognition

## APS Scholar Awards

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

**Claudia Buss, PhD, Abstract # 1231**, Attenuation of the cortisol awakening response over the course of human pregnancy is associated with length of gestation, presented in the *HPA Axis II paper session, Saturday, March 7 from 1:45 to 3:15 pm*.

**Beate Ditzen, PhD, Abstract # 1548**, Effects of Couple Conflict in the Laboratory on Salivary Alpha Amylase, presented in *Symposium 1260: Couple Interaction and Stress across the Life Course: Implications for Health and Disease*, Thursday, March 5 from 12:45 to 2:00 pm.

**Siera Goodnight, Abstract # 1397**, Acute Supplementation of Long-chain Omega-3 Fatty Acids on Parietal Asymmetry in Healthy Young Adults: A Double-blind Placebo Controlled Study, presented in the *Citation Poster session, Wednesday, March 4 from 6:30 to 8:30 pm*.

**Margaret Hanson, MA, Abstract # 1259**, Examining the effects of socioeconomic status on daily stress, sleep, and health symptoms, presented in *Symposium 1212: Sleep, Health and Functioning: New Perspectives across the Adult Lifespan*, Thursday, March 5 from 12:45 to 2:00 pm.

**Nancy Henry, MS, Abstract # 1117**, Marriage, Depressive Symptoms, and the Metabolic Syndrome: A Couples' Structural Model, presented in the *Depression and Heart I paper session, Thursday, March 5 from 2:15 to 4:00 pm*.

**Rebecca Reese, MA, Abstract # 1665**, Predictors of Hopelessness in Patients with Acute Coronary Syndrome, presented in *The Bi-directional Nature of Psychological Factors and Heart Disease paper session, Saturday, March 7 from 1:45 to 3:15 pm*.

**Juan Francisco Roy, PhD, Abstract # 1110**, Impact of Acute Coronary Syndrome on Incident Depression in the General Population, presented in *The Bi-directional Nature of Psychological Factors and Heart Disease paper session, Saturday, March 7 from 1:45 to 3:15 pm*.

**Severine Sabia, MSc, Abstract # 1289**, Health behaviours from early to late midlife as predictors of cognitive function: the Whitehall II prospective cohort study, presented in the *Health Risk Behaviors Across the Life Course paper session, Thursday, March 5 from 2:15 to 4:00 pm*.

**Adrie Seldenrijk, MSc, Abstract # 1446**, Subclinical carotid atherosclerosis in persons with and without depressive and anxiety disorders: preliminary results from a large cohort study, presented in the *Depression and Heart I paper session, Thursday, March 5 from 2:15 to 4:00 pm*.

**Richard Slatcher, PhD, Abstract # 1424**, Momentary Stress and Salivary Cortisol among Parents of Young Children, presented in the *HPA Axis I paper session, Friday, March 6 from 12:45 to 2:15 pm*.

## APS Scholar Awards, *continued*

**Emilia Symoniak, BS, Abstract # 1694**, Acute Long-Chain Omega-3 Polyunsaturated Fatty Acid Supplementation May Decrease Neuroticism, Depression, and Anxiety in Healthy Young Adults, presented in the *Citation Poster session, Wednesday, March 4 from 6:30 to 8:30 pm.*

**Sarah Yager, BA, Abstract # 1190**, Depression and Oxidative Damage to Lipids: Linking Psychology to Biology, presented in the *Citation Poster session, Wednesday, March 4 from 6:30 to 8:30 pm.*

## APS Medical Student / Medical Resident / Medical Fellow Travel Scholarships

The American Psychosomatic Society (APS) Medical Student / Medical Resident / Medical Fellow Travel Scholarships are intended to assist with travel, hotel accommodations and meeting registration fees to the APS Annual Meeting. In addition, each scholarship will include one year of membership. We are pleased to announce the 9 winners of this year's scholarships:

**Sunny Aslam, MD**, SUNY Upstate Medical University, Syracuse, NY, USA  
**Jessica Bury, BA**, Mayo Medical School, Rochester, MN, USA  
**Matthew P. Harbaugh, BS**, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA  
**Petra Wilhelmina Hoen, BSc**, University of Groningen, Groninger, The Netherlands  
**Yelena Kalitenko, MD**, Mount Sinai Hospital, New York, NY, USA  
**David Lovas, MD**, Harvard Medical School, Cambridge, MA, USA  
**Eliza M. Park, MD**, Harvard Longwood Psychiatry Residency Training Program, Jamaica Plain, MA  
**Leah Rosenberg, BA**, Mount Sinai School of Medicine, New York, NY, USA  
**Costin Roventa, MD, Pr. Dr. Alexandru Obregia**, Bucharest, Romania

## APS Minority Initiative Travel Awards

These awards were developed to encourage the participation of underrepresented minority researchers (defined by the NIH to be African-Americans, Hispanics, Native-Americans and Alaska Natives, and Pacific Islanders). Each award provides monetary assistance for travel, hotel accommodations, and other fees associated with attending the APS Annual Meeting. We are pleased to announce the 69 winners of this year's travel awards:

**Karla Espinosa, BA**, San Diego State University, San Diego, CA, USA  
**Ryan Felipe Estevez, MD, MPH**, University of Florida, Gainesville, FL, USA  
**Denise C. Jarrin, MA**, Concordia University, Montreal, Quebec, Canada  
**Mahasin Mujahid, PhD**, Harvard University, Boston, MA, USA  
**Regina Sims, PhD**, Duke University, Durham, NC, USA  
**Michael Stanton, BA**, Duke University, Durham, NC, USA

**The Cousins Center for Psychoneuroimmunology at the UCLA Neuropsychiatric Institute** graciously sponsors the American Psychosomatic Society travel assistant awards to applicants from developing countries, enabling them to attend our meeting. This year we are pleased to announce that we have awarded travel assistance to **Azizuddin Khan, PhD of India** and **Mariantonia Lemos Hoyos, MS of Colombia**.

## Donald Oken Fellowship

This fellowship was created for the purpose of bringing a C-L psychiatrist or internist to the APS Annual Meeting each year. The person selected should be someone who is in a leadership position in his or her field and able to influence others to become interested in APS by virtue of the stature and prestige of that person. The annual award consists of an honorarium to the recipient in addition to travel expenses to attend the Annual Meeting. The ideal candidate will be someone who has not previously attended an APS meeting but is a leader and respected voice in his or her own field. It should be someone who has had some involvement in research, which could be clinical or basic research. The person should be an effective teacher and should be in a position to influence others, especially medical students, residents, and fellows. We are pleased to announce that the third annual award will be given to **Kurt Kroenke, MD**, from Indiana University School of Medicine and Regenstrief Institut. Dr. Kroenke will facilitate a Roundtable luncheon entitled "Measuring Symptoms: From the Psychometric to the Practical" on Thursday, March 5 from 11:30 am to 12:45 pm.

## Data Blitz

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

**Felix Beacher, PhD**, Abstract #1715, *Vasovagal syncope: a voxel-based morphometry study*, presented in the Citation Poster session on Wednesday, March 4 from 6:30 to 8:30 pm.

**Sonja Entringer, PhD**, Abstract #1498, *Assessments of maternal cortisol awakening responses and diurnal cortisol profiles over a multiple-day period predict length of gestation*, presented in the Poster session on Thursday, March 5 from 5:15 to 6:30 pm.

**Nancy Henry, MS**, Abstract #1117, *Marriage, Depressive Symptoms, and the Metabolic Syndrome: A Couples' Structural Model*, presented in the Depression and Heart I paper session on Thursday, March 5 from 2:15 to 4:00 pm.

**Teresa Marin, MA**, Abstract #1438, *Chronic Family Stress Accentuates the Impact of Acute Stress on Inflammatory Processes in Children with Asthma*, presented in the Asthma, Stress and Inflammation paper session on Friday, March 6 from 8:00 to 8:50 am.

**Sarah Pressman, PhD**, Abstract #1369, *Are positive and negative affect independently associated with health in a representative sample of the world?*, presented in the Citation Poster session on Wednesday, March 4 from 6:30 to 8:30 pm.

**Danielle Roubinov, BA**, Abstract #1232, *Flexibility in responding to interpersonal conflict predicts cortisol and emotional reactivity*, presented in the Citation Poster session on Wednesday, March 4 from 6:30 to 8:30 pm.

**Hilary Tindle, MD**, Abstract #1085, *Psychological Traits and Morbidity and Total Mortality in the Women's Health Initiative*, presented in the Psychosocial Predictors of Risk and Mortality paper session on Thursday, March 5 from 12:45 to 2:00 pm.

# Program-at-a-Glance

## Wednesday, March 4, 2009

8:00 am - 5:00 pm	<b>Registration</b> Chicago Ballroom Foyer		<i>Organizers: Carrington Rice, MA and Aric Prather, MS; Faculty: Peter Kaufmann, PhD; Thomas Kamarck, PhD; and Karina Davidson, PhD</i> <b>Clark Room</b>
9:00 am - 12:00 pm	<b>Pre-Conference Workshop: Mixed Models for Longitudinal Data: An Applied Introduction</b> <i>Organizer: Maria Llabre, PhD; Faculty: Donald Hedeker, PhD</i> <b>Clark Room</b>	5:00 - 6:30 pm	<b>Opening Session</b>  <b>Welcome and Announcements</b> <i>Christoph Herrmann-Lingen, MD, Program Chair</i> <b>Special Presentation:</b> <b>Origins, Destinations, and What Lies Between: The Life Course Approach to Health</b> <i>George A. Kaplan, PhD</i> <b>Data Blitz</b> <i>Scott Matthews, MD, Program Co-Chair and Joshua Smyth, PhD, incoming Program Chair</i> <b>Awards</b> <i>Edith Chen, PhD, Awards Committee Chair</i> <b>Chicago Ballroom A-D</b>
12:30 - 4:30 pm	<b>Council Meeting</b> <i>by invitation only</i> <b>Avenue Ballroom</b>		
1:00 - 4:30 pm	<b>Pre-Conference Workshop: How to conduct population based longitudinal psychosocial/behavioral studies: Experiences from national and international multicenter projects</b> <i>Organizers: Kristina Orth-Gomer, MD and Kim Lavoie, PhD; Faculty: Simon Bacon, PhD; Ken Freedland, PhD; Karl-Heinz Ladwig, MD, PhD; and Huixin Wang, PhD</i> <b>Addison Room</b>	6:30 - 8:30 pm	<b>Citation Poster Session</b> <b>Chicago Ballroom E and Foyer</b>
1:30 - 4:30 pm	<b>Pre-Conference Workshop: Career Development Workshop: An Introduction to Grant Writing in Psychosomatic Medicine</b>	7:00 - 8:30 pm	<b>Cocktail Reception</b> <b>Chicago Ballroom E and Foyer</b>

## Thursday, March 5, 2009

6:00 - 6:30 am	<b>Yoga</b> McHenry Room	8:00 - 8:50 am	<b>Herbert Weiner Early Career Award: Determinants of Individual Stress Regulation under Acute and Chronic Stress</b> <i>Chair: Roland von Känel</i> <i>Presenter: Brigitte Kudielka, PhD</i> <b>Chicago Ballroom A-D</b>
7:00 am - 5:00 pm	<b>Registration</b> Chicago Ballroom Foyer		
7:00 am - 6:00 pm	<b>Student Lounge</b> Chicago Ballroom H		
7:00 - 8:00 am	<b>Roundtable Breakfasts</b>	8:50 - 9:45 am	<b>President's Award: 1958-2008 - My life and reflections on the APS</b> <i>Chair: Donald Oken, MD</i> <i>Presenter: Matthew F. Muldoon, MD, MPH</i> <b>Chicago Ballroom A-D</b>
<b>Genetics Roundtable</b> <i>Faculty: Redford Williams, MD</i> <b>Denver Room</b>			
<b>Career Development Roundtable: An Example-Based Discussion of Competitive Grant Writing</b> <i>Faculty: Peter Kaufmann, PhD</i> <b>Houston Room</b>		9:45 - 10:00 am	<b>Break</b>

## Thursday, March 5, 2009, *continued*

10:00 - 11:30 am	<p>Invited Plenary Symposium Developmental Processes from Early Life into Adulthood <i>Chair: Karen Weihs, MD</i> <i>Presenters: Christine Heim, PhD</i> <i>and Paul Plotsky, PhD</i> Chicago Ballroom A-D</p>	2:15 - 4:00 pm	<p>Concurrent Sessions</p> <p>Paper Session: Effects of Psychosocial Factors on Immunity and Inflammation Chicago Ballroom A-C</p> <p>Paper Session: Depression &amp; Heart Chicago Ballroom D</p>
11:30 am - 12:45 pm	<p>Roundtable Lunches/Special Meetings (or lunch on your own)</p> <p>Early Life Stress Roundtable <i>Faculty: Mike Christine Heim, PhD and Paul Plotsky, PhD</i> Houston Room</p> <p>Measuring Symptoms: From the Psychometric to the Practical Roundtable <i>Faculty: Kurt Kroenke, MD</i> Denver Room</p> <p><i>Psychosomatic Medicine</i> Editorial Board Lunch <i>by invitation only</i> Kane Room</p>		<p>Paper Session: Biopsychosocial Outcomes of Cancer Patients: Risk and Protective Factors Chicago Ballroom F-G</p> <p>Paper Session: Health Risk Behaviors Across the Life Course Los Angeles/Miami Room</p>
12:45 - 2:00 pm	<p>Concurrent Sessions</p> <p>Symposium 1260: Couple Interaction and Stress across the Life Course: Implications for Health and Disease Chicago Ballroom A-C</p> <p>Symposium 1212: Sleep, Health and Functioning: New Perspectives across the Adult Lifespan Chicago Ballroom D</p> <p>Symposium 1038: SYNOPSIS: Early-Life SES and Health in Adulthood: Psychobiologic Mechanisms Chicago Ballroom F-G</p> <p>Paper Session: Psychosocial Predictors of Risk and Mortality Los Angeles/Miami Room</p>	4:00 - 4:15 pm	<p>Break</p>
2:00 - 2:15 pm	<p>Break</p>	4:15 - 5:15 pm	<p>Concurrent Sessions</p> <p>Symposium 1096: New Statistical Techniques and Research Designs Dealing with Time Series Data in Psychosomatic Research Chicago Ballroom A-C</p> <p>Symposium 1158: The Bypassing the Blues Trial: Telephone-Delivered Collaborative Care for Treating Post-CABG Depression Chicago Ballroom D</p> <p>Symposium 1492: Women's Health Across the Menopausal Transition: Brains, Sex, and Hot Flashes Chicago Ballroom F-G</p>
		5:15 - 6:30 pm	<p>Poster Session 1 Chicago Ballroom E and Foyer</p>
		6:30 - 7:30 pm	<p>Mentor/Mentee Reception Denver/Houston/Kansas City Room</p>
		7:30 - 10:00 pm	<p>Past Leader Dinner <i>by invitation only</i></p>
		8:00 - 10:00 pm	<p>Student Dinner <i>(see page 3 for details)</i></p>

## Friday, March 6, 2009

6:00 - 6:30 am	Yoga McHenry Room	Patient Reported Outcomes Measurement Information System (PROMIS) Roundtable <i>Faculty: Susan Yount, PhD</i> Kansas City Room
7:00 am - 5:00 pm	Registration Chicago Ballroom Foyer	Professional Education Committee Meeting <i>by invitation only</i> DuPage Room
7:00 am - 6:00 pm	Student Lounge Chicago Ballroom H	
7:00 - 8:00 am	Roundtable Breakfasts	12:45 - 2:15 pm      Concurrent Sessions
Hypnosis in Medical Research Roundtable <i>Faculty: Jeanne Hernandez, PhD</i> Denver Room		Symposium 1718: Race, Psychosocial Stress and Inflammatory Markers Chicago Ballroom A-C
Going on the Academic Job Market Roundtable: Advice from Recent Hires <i>Faculty: Sarah Pressman, PhD; Sally Dickerson, PhD; and Nick Rohleder, PhD</i> Houston Room		Symposium 1025: Putting GI back into APS! Chicago Ballroom D
8:00 - 8:50 am	Concurrent Sessions	Paper Session: HPA Axis I Chicago Ballroom F-G
Paper Session: Asthma, Stress and Inflammation Chicago Ballroom F-G		Paper Session: Sleep Los Angeles/Miami Room
Paper Session: Functional Somatic Syndromes Los Angeles/Miami Room		2:15 - 2:30 pm      Break
9:00 - 9:45 am	Patricia R. Barchas Award Lecture: Back to the Future: Returning the Social to Sociophysiology <i>Chair: Karen Matthews, PhD</i> <i>Presenter: George A. Kaplan, PhD</i> Chicago Ballroom A-D	2:30 - 4:00 pm      Concurrent Sessions
9:45 - 10:00 am	Break	NCI Cancer Symposium: Cancer Across the Life Course and Behavioral and Clinical Implications <i>sponsored by the National Cancer Institute</i> <i>Chairs: Suzi Hong, PhD and Paige McDonald, PhD</i> <i>Presenters: Kevin C. Oeffinger, MD; Steve Cole, PhD; and Susan Lutgendorf, PhD</i> Chicago Ballroom A-C
10:00 - 11:30 am	Invited Plenary Symposium: Midlife: A New Beginning or the Beginning of the End? <i>Chair: Rebecca Thurston, PhD</i> <i>Presenters: Karen A. Matthews, PhD and Carol Ryff, PhD</i> Chicago Ballroom A-D	Paper Session: Hypertension: The Role of Environmental Stress, Genetics, and Individual Differences in Etiology, Prevention and Treatment Chicago Ballroom D
11:30 am - 12:45 pm	Roundtable Lunches/Committee Meetings (or lunch on your own)	Paper Session: Pain Chicago Ballroom F-G
Recent Advances in Midlife and Lifecourse Developmental Research Roundtable <i>Faculty: Carol Ryff, PhD; Karen A. Matthews, PhD; and Rebecca Thurston, PhD</i> Denver Room		Panel Session: You Got the Grant, Now What?: A Primer on Grants Management <i>Faculty: Joel Dimsdale, PhD; Jean Endicott, PhD; Peter Kaufmann, PhD; David Krantz, PhD and Lynda Powell, PhD</i> Los Angeles/Miami Room
"Lab to Market" Dissemination of Evidence-Based Behavioral Interventions through Commercialization of Translational Research Roundtable <i>Faculty: Steven Locke, MD; Redford Williams, MD; and Kurt Kroenke, MD</i> Houston Room		4:00 - 4:15 pm      Break
		4:15 - 5:15 pm      Town Hall Identity Discussion Chicago Ballroom A-C
		5:15 - 6:30 pm      Poster Session 2 Chicago Ballroom E and Foyer

## Friday, March 6, 2009, *continued*

6:30 - 8:00 pm Special Interest Get-Togethers

### Clinician's Interests

Hosts: Karen Weihs, MD and Kristina-Orth-Gomer, MD  
DuPage Room

### Ethnic Disparities

Hosts: Kristen Salomon, PhD; Tené T. Lewis, PhD; and  
Craig K. Ewart, PhD  
Cook Room

### Neuroscience and Psychosomatic Medicine

Hosts: Scott Matthews, MD and Peter Gianaros, PhD  
Kansas City Room

### Functional Somatic Syndrome

Host: Urs Nater, PhD  
Denver Room

### Psychoneuroimmunology (PNI) Research Across the Life Course

Hosts: Aric Prather, MS and Suzi Hong, PhD  
Kane Room

## Saturday, March 7, 2009

6:00 - 6:30 am	Yoga McHenry Room	10:45 - 11:00 am	Break
7:00 am - 5:00 pm	Registration Chicago Ballroom Foyer	11:00 am - 12:30 pm	Invited Plenary Symposium: Processes of Aging and Health: From Mechanisms to Interventions Chair: Shari R. Waldstein, PhD Presenters: Leslie I. Katzel, MD, PhD and Thomas Glass, PhD Chicago Ballroom A-D
7:00 am - 6:00 pm	Student Lounge Chicago Ballroom H		
7:30 - 8:00 am	Membership Committee Meeting <i>by invitation only</i> Kansas City Room	12:30 - 1:45 pm	Roundtable Lunches (or lunch on your own)
8:00 - 9:00 am	Committee/Special Meetings	Successful Aging Roundtable: Definitions and Dilemmas Faculty: Carlos Mendes de Leon, PhD and Tara Gruenewald, PhD Denver Room	
	Psychosomatic Medicine Interest Group Meeting Faculty: Facilitator: Leo Pozuelo, FACPPH Kansas City Room		
	2009 and 2010 Program Committee Meeting Faculty: Christoph Herrmann-Lingen, MD; Scott Matthews, MD; and Joshua Smyth, PhD Denver Room		
	Liaison Committee Meeting <i>by invitation only</i> Cook Room		
9:00 - 10:00 am	Business Meeting Presiding: William R. Lovallo, PhD Chicago Ballroom A-D	1:45 - 3:30 pm	Concurrent Sessions
10:00 - 10:45 am	Alvin P. Shapiro Award Lecture: Social Stratification and the Biology of Misfortune: How Early Adversity Becomes Stress Reactivity Chair: Edith Chen, PhD Presenter: W. Thomas Boyce, MD Chicago Ballroom A-D		Paper Session: The Bi-directional Nature of Psychological Factors and Heart Disease Chicago Ballroom A-C
			Paper Session: Stress & Heart Chicago Ballroom D
			Paper Session: HPA Axis II Chicago Ballroom F-G
		3:30 - 3:45 pm	Break

## Saturday, March 7, 2009, *continued*

3:45 - 5:00 pm                      Concurrent Sessions

Symposium 1288: Mindfulness-Based Intervention for Chronic Disorders Comes of Age: Evidence from Randomized Controlled Trials Points toward Enhancement of Wellbeing  
[Chicago Ballroom A-C](#)

Symposium: 1074: Psychosomatic Sequelae of Exposure to War  
[Chicago Ballroom D](#)

Invited Symposium: Developmental Approaches to Health Disparities  
*Chair: Julian Thayer, PhD*  
*Presenters: Cynthia Colen, PhD and Eugene Emory, PhD*  
[Chicago Ballroom F-G](#)

5:00 - 6:15 pm                      Poster Session 3  
[Chicago Ballroom E and Foyer](#)

7:00 pm                                Closing Dinner and Entertainment  
[Chicago Ballroom A-C](#)

### Calling all APS Members!

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

# Scientific Program

Wednesday, March 4, 2009

8:00 am - 5:00 pm	REGISTRATION	Chicago Ballroom Foyer
9:00 am - 12:00 pm	<b>PRE-CONFERENCE WORKSHOP</b> <b>Mixed Models for Longitudinal Data: An Applied Introduction</b> <i>Organizer: Maria Llabre, PhD</i> <i>Faculty: Donald Hedeker, PhD</i> Longitudinal, or repeated measures, data are increasingly observed in many research areas. Statistical methods and software for analysis of such data has rapidly advanced in the last twenty years or so. In particular, mixed models, aka multilevel or hierarchical linear models, are increasingly used for analysis of longitudinal data. These methods are more appropriate than traditional ANOVA techniques since they allow for missing data across time and also for a variety of variance-covariance structures of the longitudinal data.  In this workshop, attendees will learn about use of mixed models for analysis of longitudinal data. The focus will be on application of these models, with direct application illustrated using standard statistical software (e.g., SAS and SPSS). In particular, the basic mixed-effects regression model for continuous outcomes will be introduced and described, including use of polynomials for expressing change across time, the multilevel representation of the mixed model, treatment of time-invariant and time-varying covariates, and modeling of the variance-covariance structure of the repeated measures. It will be shown how this model can allow for missing data across time in terms of the outcome variable, thus permitting analysis of subjects who have incomplete data across time. Methods will be illustrated using a psychiatric study in which patients level of depression is modeled over time as a function of time, diagnostic group, and drug-plasma levels.	Clark Room
12:30 - 4:30 pm	<b>COUNCIL MEETING</b> <i>by invitation only</i>	Avenue Ballroom
1:00 - 4:30 pm	<b>PRE-CONFERENCE WORKSHOP</b> <b>How to Conduct Population Based Longitudinal Psychosocial/behavioral Studies? Experiences from National and International Multicenter Projects</b> <i>Organizers: Kristina Orth-Gomer, MD and Kim Lavoie, PhD</i> <i>Faculty: Simon Bacon, PhD; Ken Freedland, PhD; Karl-Heinz Ladwig, MD, PhD; and Huixin Wang, PhD</i>  1:00 - 1:15 pm <i>Kristina Orth-Gomer, MD</i> <b>Introduction</b>  1:15 - 2:00 pm <b>"Think Big. Benefits and pitfalls in applying population based data sets for psychosomatic research. Insights from the population based prospective Augsburg KORA Project"</b> <i>Karl-Heinz Ladwig, MD, PhD</i>  2:00 - 2:45 pm <b>"Thinking ahead: Planning and Conducting Multicenter Studies"</b> <i>Ken Freedland, PhD</i>  2:45 - 3:00 pm <b>Break</b>  3:00 - 3:45 pm <b>"Longitudinal Analysis of Repeated Measures Data in Behavioural Epidemiology Experiences from the Kungsholmen Dementia Project"</b> <i>Huixin Wang, PhD</i>  3:45 - 4:30 pm <b>Summary and Panel Discussion</b> <i>Simon Bacon, PhD and Kim Lavoie, PhD</i>	Addison Room

1:30 - 4:30 pm

**PRE-CONFERENCE WORKSHOP**

**Clark Room**

**Career Development Workshop: An Introduction to Grant Writing in Psychosomatic Medicine**

*Organizers: Carrington Rice, MA and Aric Prather, MS*

*Faculty: Peter Kaufmann, PhD; Thomas Kamarck, PhD; and Karina Davidson, PhD*

This seminar is designed to provide graduate students, fellows, and early career faculty with expert advice and guidance regarding the design, preparation, and "art" of writing and submitting a competitive grant application. The workshop will include the following components:

- 1) A review of early career funding mechanisms and the NIH grant review process
- 2) Writing a competitive research plan
- 3) Tips from the Top: How to get a project funded and what to do when grantsmanship goes wrong
- 4) Panel-style question/answer portion

5:00 - 6:30 pm

**OPENING SESSION**

**Chicago Ballroom A-D**

**Welcome**

*Chair: Christoph Herrmann-Lingen, MD, 2008 Program Chair*

**Special Presentation:**

**Origins, Destinations, and What Lies Between: The Life Course Approach to Health**

*Presenter: George A. Kaplan, PhD*

A flurry of work over approximately the last decade has built a bridge between what we know about the long natural history of chronic diseases and the evolution of social, behavioral, and socioeconomic processes over the life course. While met with great enthusiasm, the life course approach carries with it numerous empirical, conceptual, and analytic challenges. Focusing primarily on the role of life course processes associated with socioeconomic position, I will review a series of findings that point to the critical importance of the accumulation of risk over the life course, and end with a suggestion that we need to couple our mechanistic focus on pathophysiologic processes with an understanding of the lives people live and how they evolve over the course of their life.

**Data Blitz**

*Chair: Scott Matthews, MD, Program Co-Chair and Joshua Smyth, PhD, incoming Program Chair*

**APS Awards**

*Chair: Edith Chen, PhD, Awards Committee Chair*

6:30 - 8:30 pm

**CITATION POSTER SESSION**

**Chicago Ballroom E and Foyer**

**1) Abstract 1003**

DEPRESSION IS A RISK FACTOR FOR INCIDENT HEART DISEASE IN A GENETICALLY INFORMATIVE TWIN DESIGN

*Jeffrey F. Scherrer, PhD, Research Service and Psychiatry, Hong Xian, Internal Medicine, St. Louis VAMC and Washington University, St. Louis, MO, Carol E. Franz, Psychiatry, University of California San Diego, La Jolla, CA 92093, CA, Michael J. Lyons, PhD, Psychology, Boston University, Boston, MA, Kristen C. Jacobson, PhD, Psychiatry, University of Chicago, Chicago, IL, Seth A. Eisen, MD, Health Services Research and Development, Department of Veterans Affairs, Washington, DC, William S. Kremen, PhD, Psychiatry, University of California San Diego, La Jolla, CA, CA*

**2) Abstract 1013**

THE EFFECT OF OXYTOCIN ON ADIPOSE TISSUE INFLAMMATION AND ATHEROSCLEROSIS IN APOE<sup>-/-</sup> MICE

*Daniel A. Nation, M.S., Angela Szeto, Ph.D., Psychology, University of Miami, Coral Gables, FL, Armando J. Mendez, Ph.D., Medicine, University of Miami, Miller School of Medicine, Miami, FL, Larry G. Brooks, M.A., Psychology, University of Miami, Coral Gables, FL, Julia Zaias, DVM, Ph.D., Pathology, University of Miami, Miller School of Medicine, Miami, FL, Neil Schneiderman, Ph.D., Philip M. McCabe, Ph.D., Psychology, University of Miami, Coral Gables, FL*

**3) Abstract 1063**

IMPACT OF BEHAVIORAL STRESS REDUCTION PROGRAMS UPON AMBULATORY HEMODYNAMIC FUNCTION AND SODIUM HANDLING AMONG AFRICAN AMERICAN ADOLESCENTS

*Mathew J. Gregoski, MS, Kinesiology, University of Georgia, Athens, GA, Vernon A. Barnes, PhD, Martha S. Tingen, PhD, Pediatrics, Frank A. Treiber, PhD, Administration, Medical College of Georgia, Augusta, GA*

**4) Abstract 1103**

PSYCHOLOGICAL DISTRESS AND INFLAMMATION IN HEALTHY YOUNG ADULTS

*Sidra J. Goldman, MPH, Epidemiology, U.C. Berkeley, School of Public Health, Berkeley, CA, Lena Brydon, Ph.D., Epidemiology and Public Health, Andrew Steptoe, DPhil, DSc., Department of Epidemiology and Public Health, University College London, London, United Kingdom*

**5) Abstract 1161**

PSYCHOLOGICAL PREDICTORS OF SLEEP QUALITY AMONG CANCER PATIENTS RECOVERING FROM STEM CELL TRANSPLANTATION

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

**6) Abstract 1164**

A GENE-ENVIRONMENT INTERACTION MODEL FOR PREMENSTRUAL AND POSTPARTUM MOOD CHANGES

*Liisa V. Hantsoo, M.L.A., Psychology, The Ohio State University, Columbus, Ohio, Daniel Birmingham, Ph.D., Internal Medicine, Carrie Houts, M.S., Psychology, Ronald Glaser, Ph.D., Molecular Virology, Immunology and Medical Genetics, The Ohio State University, Columbus, OH, David Beversdorf, M.D., Neurology, University of Missouri, Columbia, MO, William Malarkey, M.D., Internal Medicine, Janice K. Kiecolt-Glaser, Ph.D., Psychiatry, The Ohio State University, Columbus, OH*

**7) Abstract 1190**

DEPRESSION AND OXIDATIVE DAMAGE TO LIPIDS: LINKING PSYCHOLOGY TO BIOLOGY

*Sarah S. Yager, BA Honours, Psychology, University of British Columbia, Vancouver, British Columbia, Canada, Michael J. Forlenza, PhD, MPH, School of Leadership and Professional Development, Duquesne University, Pittsburgh, Pennsylvania, Greg E. Miller, PhD, Psychology, University of British Columbia, Vancouver, British Columbia, Canada*

**8) Abstract 1217**

OBJECTIVE AND SUBJECTIVE SOCIAL STATUS AND INFLAMMATION IN MEXICAN-AMERICAN WOMEN

*Linda C. Gallo, PhD, Psychology, Karla Espinosa de los Monteros, BA, SDSU/UCSD JDP in Clinical Psychology, San Diego State University, San Diego, CA, Karen A. Matthews, PhD, Psychiatry, Epidemiology, and Psychology, University of Pittsburgh School of Medicine, Pittsburgh, PA, Paul J. Mills, PhD, Psychiatry, University of California, San Diego, La Jolla, CA, Smriti Shivpuri, MA, SDSU/UCSD JDP in Clinical Psychology, Wendy Davila-Fraga, MD, SDSU Foundation, San Diego State University, San Diego, CA*

**9) Abstract 1224**

MEDIATORS OF THE RELATIONSHIP BETWEEN SOCIOECONOMIC STATUS AND ALLOSTATIC LOAD IN THE CHICAGO HEALTH, AGING AND SOCIAL RELATIONS STUDY

*Leah A. Lavelle, BA, Louise C. Hawkey, PhD, John T. Cacioppo, PhD, Psychology, University of Chicago, Chicago, IL*

**10) Abstract 1232**

FLEXIBILITY IN RESPONDING TO INTERPERSONAL CONFLICT PREDICTS CORTISOL AND EMOTIONAL REACTIVITY

*Danielle S. Roubinov, B.A., Melissa Hagan, M.P.H., Linda J. Luecken, Ph.D., Psychology, Arizona State University, Tempe, Arizona*

**11) Abstract 1239**

INACTIVITY, DEPRESSIVE SYMPTOMS, AND SOCIAL ISOLATION INCREASE THE RISK OF DEMENTIA: A POPULATION-BASED STUDY

*Anita Karp, PhD, Marti G. Parker, PhD, Anna-Karin Berger, PhD, Hui-Xin Wang, PhD, Bengt Winblad, PhD, Laura Fratiglioni, PhD, Aging Research Center, Karolinska Institutet, Stockholm, Sweden*

**12) Abstract 1244**

HEALTH-RELATED QUALITY OF LIFE AS A PREDICTOR OF CYTOKINE LEVELS AT 12 MONTHS IN PATIENTS WITH CHRONIC HEART FAILURE

*Paula M.C. Mommersteeg, PhD, Nina H.M. Kupper, PhD, Dounya Schoormans, MSc, Susanne S. Pedersen, PhD, Center of Research on Psychology in Somatic diseases, Tilburg University, Tilburg, the Netherlands*

**13) Abstract 1251**

TESTING NEURAL ACTIVATION PREDICTIONS FROM A MODEL OF NEUROVISCERAL INTEGRATION

*Victoria B. Egizio, M.S., Psychology, University of Pittsburgh, Pittsburgh, PA, Israel C. Christie, PhD,*

Peter J. Gianaros, PhD, J. Richard Jennings, PhD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA, Julian F. Thayer, PhD, Psychology, The Ohio State University, Columbus, OH

**14) Abstract 1266**

NIGHT-TIME VAGAL CARDIAC CONTROL AND PLASMA FIBRINOGEN LEVEL IN WORKING MEN AND WOMEN

Roland von Känel, General Internal Medicine, University Hospital, Bern, Switzerland, Julian F. Thayer, Psychology, Ohio State University, Columbus, Ohio, Joachim E. Fischer, Public Health, Social and Preventive Medicine, University of Heidelberg, Mannheim, Germany

**15) Abstract 1273**

LONGITUDINAL ASSOCIATIONS OF FAMILY ASTHMA MANAGEMENT WITH BIOLOGICAL OUTCOMES IN CHILDREN WITH ASTHMA

Hope A. Walker, BSc, Edith Chen, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

**16) Abstract 1278**

DECREASED GRAY MATTER DENSITY IN THE POSTERIOR CEREBELLUM OF TRAUMA SURVIVORS

Jung Hyun Lee, MD, Jieun Kim, MD, Jaek Hwang, MD, In Kyoonyoo, MD, PhD, Do-Un Jeong, MD, PhD, Psychiatry, Seoul National University Hospital, Seoul, South Korea

**17) Abstract 1311**

HOSTILITY NOW, DEPRESSION LATER: LONGITUDINAL ASSOCIATIONS AMONG HOSTILITY, ANGER, AND DEPRESSIVE SYMPTOMS

Jesse C. Stewart, Ph.D., Griffin J. Fitzgerald, B.S., Psychology, Indiana University-Purdue University Indianapolis, Indianapolis, IN, Thomas W. Kamarck, Ph.D., Psychology, University of Pittsburgh, Pittsburgh, PA

**18) Abstract 1330**

PHYSICAL FUNCTION AND QUALITY OF LIFE IN AMYOTROPHIC LATERAL SCLEROSIS

Abbey R. Roach, M.S., Psychology, University of Kentucky, Lexington, Kentucky, Alyssa J. Averill, Ph.D., Psychology, University of Kentucky, Lexington, KY, Suzanne C. Segerstrom, Ph.D., Psychology, Edward J. Kasarskis, M.D., Ph.D., Department of Neurology, University of Kentucky, Lexington, Kentucky

**19) Abstract 1343**

CHOLINE TRANSPORTER GENE VARIANT INTERACTS WITH SES TO PREDICT SYMPATHOVAGAL REACTIVITY TO LABORATORY STRESSORS

Kari F. Baber, M.S., Psychology and Human Development, Vanderbilt University, Nashville, TN, Serina A. Neumann, Ph.D., Psychiatry & Behavioral Sciences, Eastern Virginia Medical School, Norfolk, VA, Matthew F. Muldoon, MD, MPH, Clinical Pharmacology, J. Richard Jennings, Ph.D., Psychiatry, Robert E. Ferrell, Ph.D., Human Genetics, Stephen B. Manuck, Ph.D., Psychology, University of Pittsburgh, Pittsburgh, PA

**20) Abstract 1369**

ARE POSITIVE AND NEGATIVE AFFECT INDEPENDENTLY ASSOCIATED WITH HEALTH IN A REPRESENTATIVE SAMPLE OF THE WORLD?

Sarah D. Pressman, PhD, Matthew Gallagher, Psychology, University of Kansas, Lawrence, KS, Shane Lopez, The Gallup Organization, Omaha, NE

**21) Abstract 1372**

OMEGA-3 FATTY ACID INTAKE AND PHYSICAL ACTIVITY - INDEPENDENT AND INTERACTIVE ASSOCIATIONS WITH AUTONOMIC CARDIAC CONTROL

Matthew P. Harbaugh, BS, School of Medicine, Peter Gianaros, PhD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA, J. Richard Jennings, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Jeffrey Yao, PhD, Pharmacy, University of Pittsburgh School of Pharmacy, Pittsburgh, PA, Sarah Conklin, PhD, Psychology, Allegheny College, Meadville, PA, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA, Matthew F. Muldoon, MD, Department of Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA, United States

**22) Abstract 1387**

DISTINCT ROLES OF STAT1 TRANSCRIPTION FACTOR IN THE PATHOGENESIS OF DEPRESSION

Thomas Meyer, MD, PhD, Cardiology, University of Marburg, Marburg, Germany, Christoph Herrmann-Lingen, MD, Psychosomatic Medicine and Psychotherapy, University of Goettingen, Germany

**23) Abstract 1397**

ACUTE SUPPLEMENTATION OF LONG-CHAIN OMEGA-3 FATTY ACIDS ON PARIETAL ASYMMETRY IN HEALTHY YOUNG ADULTS: A DOUBLE-BLIND PLACEBO CONTROLLED STUDY

*Siera M. Goodnight, Josh Seseck, Mia Symoniak, Sarah M. Conklin, PhD, Psychology and Neuroscience, Allegheny College, Meadville, PA*

**24) Abstract 1432**

MINDFULNESS MEDITATION-INDUCED CHANGES IN RESTING-STATE NETWORKS AND RESPONSE TO PAIN: AN FMRI STUDY

*Lisa A. Kilpatrick, PhD, Brandall Y. Suyenobu, PhD, Center for Neurobiology of Stress, University of California, Los Angeles, Los Angeles, CA, J. David Creswell, PhD, Psychology, Carnegie Mellon University, Pittsburgh, PA, Suzanne R. Smith, NP, Joshua A. Bueller, BMA, Emeran A. Mayer, MD, Center for Neurobiology of Stress, University of California, Los Angeles, Los Angeles, CA, Bruce D. Naliboff, PhD, Center for Neurobiology of Stress, UCLA; VA Greater Los Angeles Healthcare System, Los Angeles, CA*

**25) Abstract 1476**

FEAR OF PAIN MEDIATES THE RELATIONSHIP BETWEEN OPIOID USE AND PAIN SEVERITY IN CHRONIC PAIN PATIENTS

*Tiffany A. Brakefield, M.A., Kristin L. Somar, M.A., John W. Burns, PhD, Department of Psychology, Rosalind Franklin University of Medicine and Science, North Chicago, IL*

**26) Abstract 1488**

OLDER ADULTS' AGING ATTITUDES PREDICT AUTONOMIC, VASCULAR, AND INFLAMMATORY RESPONSES TO A MEMORY CHALLENGE

*Kathi L. Heffner, Ph.D., Psychiatry, University of Rochester Medical Center, Rochester, NY, Julie A. Suhr, Ph.D., Huey M. Ng, M.S., Christopher R. France, Ph.D., Psychology, Ohio University, Athens, OH, Gailen D. Marshall, M.D., Ph.D., Medicine/Clinical Immunology and Allergy, University of Mississippi Medical Center, Jackson, MS*

**27) Abstract 1496**

A RANDOMIZED CONTROLLED TRIAL OF COGNITIVE BEHAVIOR THERAPY TAILORED TO ADAPTATION ISSUES IN PATIENTS WITH AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR

*Jane Irvine, D. PHIL., Jill Firestone, PhD, Lephuong Ong, PhD, Robert Cribbie, PhD, Sabine Johnson, MA, Ana Bilanovic, BA, Psychology, York University, Toronto, ON, Canada, Paul Dorian, MD, Susan O'Donnell, RN, Medicine, St. Michael's Hospital, University of Toronto, Toronto, ON, Canada, Louise Harris, MD, Doug Cameron, MD, Ann Hill, RN, Medicine, Toronto General Hospital, University of Toronto, Toronto, ON, Canada, Paul Ritvo, PhD, School of Kinesiology & Health Sciences, York University, Toronto, ON, Canada, David Newman, MD, Medicine, Sunnybrook Health Sciences Centre, Toronto, ON, Canada, Samuel F. Sears Jr, PhD, Psychology, East Carolina University, Greenville, NC, Canada*

**28) Abstract 1510**

EPINEPHRINE LEVELS INTERACT WITH CENTRAL ADIPOSITY IN DETERMINING FASTING GLUCOSE IN AFRICAN AMERICAN WOMEN

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

**29) Abstract 1538**

THE ORBITOFRONTAL CORTEX MODULATES PERIPHERAL IMMUNE FUNCTION ACCORDING TO CONTROLLABILITY OF ACUTE STRESS

*Hideki Ohira, PhD, Psychology, Nagoya University, Nagoya, Aichi, Japan, Tokiko Isowa, PhD, Nursing, Mie University, Tsu, Mie, Japan, Michio Nomura, PhD, Psychology, Hiroshima University, Higashi Hiroshima, Hiroshima, Japan, Naho Ichikawa, MA, Psychology, Nagoya University, Nagoya, Aichi, Japan, Kenta Kimura, PhD, Psychology, The University of Tokyo, Tokyo, Tokyo, Japan*

**30) Abstract 1541**

THE INFLUENCE OF SOMATIC COMORBIDITY ON BRAIN RESPONSES TO NOXIOUS VISCERAL STIMULATION IN IRRITABLE BOWEL SYNDROME (IBS)

*Gregory S. Sayuk, MD, Gastroenterology, Rebecca S. Coalson, Neurology and Radiology, Rodney D. Newberry, MD, Gastroenterology, Billy D. Nix, Patrick J. Lustman, Ph.D., Psychiatry, Yvette I. Sheline, MD, Psychiatry, Radiology, and Neurology, Washington University School of Medicine, Saint Louis, MO*

**31) Abstract 1575**

DON'T WORRY, BE HAPPY: POSITIVE EMOTION EXPRESSION IS ASSOCIATED WITH REDUCED RISK OF INCIDENT CORONARY HEART DISEASE IN A POPULATION-BASED STUDY

*Karina W. Davidson, PhD, Elizabeth Mostofsky, M.P.H., Dorota Gruber, M.S., G.C., Padmini Iyer, B.A., Shiney Kunjukutty, MD, Joseph Schwartz, PhD, Medicine, Columbia University Medical Center, New York, NY, Susan Kirkland, PhD, Community Health and Epidemiology and Medicine, Dalhousie University, Halifax, NS, CA, Daichi Shimbo, MD, Medicine, Columbia University Medical Center, New York, NY*

**32) Abstract 1576**

MODERATING EFFECTS OF SELF DECEPTION ON PSYCHOLOGICAL TREATMENT OUTCOMES IN ICD PATIENTS

*Sabine N. Johnson, M.Sc., Kinesiology and Health Sciences, Jane Irvine, Ph.D., Jill Firestone, Ph.D., Lephuong Ong, Ph.D., Robert Cribbie, Ph.D., Ana Bilanovic, B.Sc., Psychology, York University, Toronto, Ontario, Canada, Paul Dorian, M.D., Susan O'Donnell, M.A., Cardiology, St. Michael's Hospital, Toronto, Ontario, Canada, Louise Harris, M.D., Doug Cameron, M.D., Ann Hill, R.N., Electrophysiology, Toronto General Hospital, Toronto, Ontario, Canada, Paul Ritvo, Ph.D., Kinesiology and Health Science, York University, Toronto, Ontario, Canada, David Newman, M.D., Cardiology, Sunnybrook Health Sciences Center, Toronto, Ontario, Canada, Samuel Sears, Ph.D., Department of Psychology, East Carolina University, Greenville, North Carolina*

**33) Abstract 1578**

TRANSIENT RESPONSES OF INFLAMMATORY CYTOKINES IN ACUTE STRESS

*Kaori Yamakawa, Psychology, Nagoya University, Nagoya, Japan, Masahiro Matsunaga, Neurology (Psychosomatic Medicine), Fujita Health University, Nagoya, Japan, Tokiko Isowa, Nursing, Mie University, Tsu, Japan, Hideki Ohira, Psychology, Nagoya University, Nagoya, Japan*

**34) Abstract 1585**

SYMPTOMS OF DEPRESSION AND AUTONOMIC DYSFUNCTION - RESULTS FROM THE STOCKHOLM FEMALE CORONARY RISK STUDY

*Frank Zimmermann-Viehoff, MD, Hans-Christian Deter, MD, Cora S. Weber, MD, Kristina Orth-Gomer, MD, Psychosomatic Medicine, Charité Campus Benjamin Franklin, Berlin, Germany*

**35) Abstract 1589**

DEPRESSION IN STOCKHOLM WOMEN - ORIGINS, PROGNOSIS AND PREVENTION

*Kristina Orth-Gomer, MD, Public Health Sciences, Karolinska Institute, Stockholm, Sweden, Frank Zimmermann-Viehoff, MD, Cora S. Weber, MD, Melanie Merswolken, Dipl.Psych., Hans-Christian Deter, MD, Psychosomatic Medicine, Charité Campus Benjamin Franklin, Berlin, Germany*

**36) Abstract 1609**

SOCIAL SUPPORT IS RELATED TO INFLAMMATORY MARKERS IN HOSPITALIZED PATIENTS WITH ACUTE CORONARY SYNDROME

*Heather L. Rogers, Ph.D., Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, Gayle G. Page, D.N.Sc., School of Nursing, Johns Hopkins University, Baltimore, MD, Marlene S. Williams, M.D., Roy C. Ziegelstein, M.D., Cardiology, Johns Hopkins Bayview Medical Center, Baltimore, MD, David S. Krantz, Ph.D., Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD*

**37) Abstract 1630**

CORRELATES OF NOREPINEPHRINE AND PREDICTORS OF DISEASE PROGRESSION IN HIV

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

**38) Abstract 1634**

DEPRESSIVE SYMPTOMS AND CHANGE IN COGNITIVE FUNCTION IN COMMUNITY DWELLING OLDER ADULTS

*Gerard J. Mollooy, PhD, Mark Hamer, PhD, Cesar M. de Oliveira, PhD, Panayotes Demakakos, PhD, Department of Epidemiology & Public Health, University College London, London, England, United Kingdom*

**39) Abstract 1655**

SLEEP DURATION, SLEEP STRUCTURE, AND SLEEP FRAGMENTATION ARE ASSOCIATED WITH OBESITY IN YOUTH

*Denise C. Jarrin, Masters, Jennifer J. McGrath, PhD, MPH, Psychology, Concordia University, Montreal, Quebec, Canada*

**40) Abstract 1669**

OXYTOCIN ADMINISTRATION REDUCES GROWTH RATE OF HUMAN BREAST CANCER XENOGRAFTS (MCF7) IN SCID MICE

*Karen L. Weihs, MD, Psychiatry and Arizona Cancer Center, Denise Frank, Ph.D., Internal Medicine, University of Arizona, Tucson, AZ, Roe J. Denise, Ph.D., Epidemiology & Biostatistics Mel and Enid, University of Arizona, Tucson, Arizona, Hossein P. Nazarloo, M.D., C S. Carter, Ph.D., Psychiatry, University of Illinois at Chicago, Chicago, IL*

**41) Abstract 1675**

CENTRAL NERVOUS SYSTEM SEROTONIN, HOSTILITY AND GLUCOSE METABOLISM IN AFRICAN AMERICAN WOMEN

*S H. Boyle, PhD, Psychiatry, Duke University Medical Center, Durham, NC, L Wang, MA, Bioinformatics Research Center, NCSU, Raleigh, NC, R S. Surwit, PhD, Psychiatry, DUMC, Durham, NC, Z Zeng, PhD, Bioinformatics Research Center, NCSU, Raleigh, NC, W Matson, PhD, Department of Systems Biology, Bedford VA Research Corp. Inc, Bedford, MA, A Georgiades,, B H. Brummett, PhD, Psychiatry, C M. Kuhn, PhD, Pharmacology and Cancer Biology, R B. Williams, MD, Psychiatry, R Kaddurah-Daouk, PhD, Biological Psychiatry, DUMC, Durham, NC*

**42) Abstract 1681**

HIGH TRAIT ANGER IS ASSOCIATED WITH INCREASED LEVELS OF OXIDATIVE STRESS IN HEALTHY ADULTS

*Leah B. Rosenberg, BA, Juan Carlos Osorio, MD, Medicine, Sally W. Aboelela, Ph.D., Nursing, Sujith Kuruvilla, MD, Matthew M. Burg, Ph.D., Daichi Shimbo, MD, Medicine, Columbia University Medical Center, New York, NY*

**43) Abstract 1687**

HEALTHY PEOPLE ARE HARD TO FIND: DYSPEPSIA SYMPTOMS AMONG ALLEGEDLY HEALTHY INDIVIDUALS AND THEIR GASTRIC MYOELECTRICAL RESPONSES TO A WATER-LOAD TEST

*Max E. Levine, PhD, Psychology, Siena College, Loudonville, NY, Kenneth L. Koch, MD, Sara Yanchis Koch, BS, Internal Medicine, Wake Forest University School of Medicine, Winston-Salem, NC*

**44) Abstract 1691**

INCREASED INTIMA-MEDIA THICKNESS IN WOMEN WITH BORDERLINE PERSONALITY DISORDER: IMPACT OF ADVERSE CHILDHOOD EXPERIENCES

*Wiebke Greggersen, MD, Kai Kahl, MD, Sebastian Rudolf, MD, Eva Fassbinder, MD, Psychiatry, Beate M. Stoeckelhuber, MD, Radiology, Ulrich Schweiger, MD, Psychiatry, Luebeck University Medical School, Luebeck, Germany*

**45) Abstract 1694**

ACUTE LONG-CHAIN OMEGA-3 POLYUNSATURATED FATTY ACID SUPPLEMENTATION MAY DECREASE NEUROTICISM, DEPRESSION, AND ANXIETY IN HEALTHY YOUNG ADULTS

*Emilia D. Symoniak,, Psychology, Siera M. Goodnight,, Psychology and Neuroscience, Josh P. Sesek,, Biology, Annie T. Ginty,, Sarah M. Conklin, PhD, Psychology and Neuroscience, Allegheny College, Meadville, PA*

**46) Abstract 1715**

VASOVAGAL SYNCOPE: A VOXEL-BASED MORPHOMETRY STUDY

*Felix D. Beacher, PhD, Marcus A. Gray, PhD, Hugo D. Critchley, PhD, Psychiatry, University of Sussex, Brighton, East Sussex, UK*

**47) Abstract 1725**

INFANT PERCEPTION OF EXPRESSIONS OF EMOTION

*Glenda C. Prkachin, Ph.D., Psychology, University of Northern British Columbia, Prince George, British Columbia, Canada*

**48) Abstract 1744**

ADIPOSY, DEPRESSIVE SYMPTOMS, AND CARDIOVASCULAR RESPONSES TO MENTAL STRESS

*Andrew J. Wawrzyniak, MA, MS, PhD, Mark Hamer, MSc, PhD, Romano Endrighi, MS, Katie O'Donnell, MS, Andrew Steptoe, MA, MPhil, DSc, Epidemiology and Public Health, University College London, London, United Kingdom*

**49) Abstract 1745**

THE EFFECT OF PSYCHOLOGICAL INTERVENTIONS ON GLYCEMIC CONTROL IN DIABETICS: A META-ANALYSIS

*Cathy A. Bykowski, M.A., William P. Sacco, Ph.D., Laura Mayhew, B.A., Department of Psychology, University of South Florida, Tampa, FL*

**50) Abstract 1772**

ADULT ATTACHMENT AND RESPONSES TO DAILY POSITIVITY IN ROMANTIC RELATIONSHIPS  
*Angela M. Hicks, Ph.D., Psychology, Westminster College, Salt Lake City, UT, Lisa M. Diamond, Ph.D., Psychology, University of Utah, Salt Lake City, UT*

**51) Abstract 1781**

SINGLE NUCLEOTIDE POLYMORPHISM ASSOCIATIONS WITH TYPE-D PERSONALITY IN THE GENERAL POPULATION; FINDINGS FROM THE KORA K-500-SUBSTUDY.

*Karl-Heinz Ladwig, MD/PhD, Rebecca T. Emeny, PhD, Christian Gieger, PhD, Esther Ruf, PhD, Norman Klopp, PhD, Thomas Illig, PhD, Institute of Epidemiology, Thomas Meitinger, PhD, Institute of Human Genetics, Heinz-Erich Wichmann, MD/PhD, Institute of Epidemiology, Helmholtz Center Munich, Neuherberg, Germany*

7:00 - 8:30 pm

**COCKTAIL RECEPTION**

*Chicago Ballroom E and Foyer*

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

## Thursday, March 5, 2009

6:00 - 6:30 am	<b>YOGA</b> Bring your mat to join meeting delegates at a self-directed yoga session - start your day the right way!	<i>McHenry Room</i>
7:00 am - 5:00 pm	<b>REGISTRATION</b>	<i>Chicago Ballroom Foyer</i>
7:00 am - 6:00 pm	<b>STUDENT LOUNGE</b>	<i>Chicago Ballroom H</i>
7:00 - 8:00 am	<b>ROUNDTABLE BREAKFAST MEETINGS</b>	
	<b>Genetics Roundtable</b> <i>Facilitator: Redford Williams, PhD</i> This roundtable will provide attendees the opportunity to discuss ways that one's genotype influences - especially via effects on biobehavioral responses to stressful environments - one's risk of developing a wide range of diseases, and how knowledge of such effects can be used to identify persons who might benefit from preventive interventions.	<i>Denver Room</i>
	<b>Career Development Roundtable: An Example-Based Discussion of Competitive Grant Writing</b> <i>Facilitator: Peter Kaufmann, PhD</i> This roundtable will include an example-based discussion of effective grant writing. A funded grant proposal will be used to further illustrate the art of grantsmanship and provide additional opportunity for trainee participation and questions. Interested individuals who are unable to attend the pre-conference workshop are encouraged to attend.	<i>Houston Room</i>
8:00 - 8:50 am	<b>HERBERT WEINER EARLY CAREER AWARD</b>	<i>Chicago Ballroom A-D</i>
	<b>Determinants of Individual Stress Regulation under Acute and Chronic Stress</b> <i>Chair: Roland von Känel, MD</i> <i>Presenter: Brigitte Kudielka, PhD</i> Stress is one of the most significant health problems in modern societies and the 21 <sup>st</sup> century. This explains a pressing need for investigations into the biological pathways linking stress and health. Besides the locus coeruleus-noradrenaline/autonomic system, the hypothalamus-pituitary-adrenal (HPA) axis is the major endocrine stress response system in the organism. Since alterations in HPA axis regulation under basal conditions and in response to acute stress appear to be a close correlate or even a determining factor of the onset of different diseases or disease progression, the characterization of an individual's HPA axis regulation appears to be of significant importance. It is obvious that such research agenda substantially depends on the availability of appropriate measures. However, since the HPA axis is a highly adaptive system which is characterized by marked inter- and intraindividual variability, the development of such markers in humans was - and still is - a rather challenging task. In this overview, I report on findings from own research on the Cortisol Awakening Response (CAR) and the Trier Social Stress Test (TSST) focusing on determinants of HPA axis activity as well as stress reactivity. Furthermore, I present data on potential long term consequences of chronic stress in teachers in the framework of allostatic load.	
8:50 - 9:45 am	<b>PRESIDENT'S ADDRESS</b>	<i>Chicago Ballroom A-D</i>
	<b>1958-2008 - My Life and Reflections on the APS</b> <i>Chair: Donald Oken, MD</i> <i>Presenter: Matthew F. Muldoon, MD, MPH</i> My presentation will take you on a tour of some of the highlights and surprises of my professional career interleaved with reflections on the past and future of the American Psychosomatic Society. I hope to have something for everyone, as I will touch on subjects ranging from serum lipids, hypertension, mood, cognitive function, health-related quality of life to central serotonin and nutritional neuroscience, but also market-driven medical care, Plato's dialogues and the psyche and promise of the APS.	
9:45 - 10:00 am	<b>BREAK</b>	

10:00 - 11:30 am

**INVITED PLENARY SYMPOSIUM***Chicago Ballroom A-D***Developmental Processes from Early Life into Adulthood***Chair: Karen Weihs, MD**Presenters: Christine Heim, PhD and Paul Plotsky, PhD***\* Psychobiological Consequences of Childhood Trauma***Christine Heim, PhD*

Childhood trauma is a potent risk factor for developing depression and a range of other disorders in adulthood, particularly in response to additional stress. This presentation will summarize results from a series of clinical studies suggesting that childhood trauma in humans is associated with neurobiological changes that may mediate the relationship between childhood trauma and depression. These neurobiological changes include sensitization of the neuroendocrine stress response, glucocorticoid resistance, increased central corticotropin-releasing factor (CRF) and decreased oxytocin activity, and reduced hippocampal volume. Neuroendocrine changes secondary to early-life stress likely reflect risk to develop depression in response to stress, potentially due to changes in a neural circuitry implicated in emotional, neuroendocrine, and autonomic regulation and failure of this network to compensate in response to challenge. However, not all of depression is related to childhood trauma and our results suggest the existence of biologically distinguishable subtypes of depression as a function of childhood trauma that are also responsive to differential treatment. Other risk factors, such as female gender and genetic dispositions, may interfere with components of the stress response and further increase vulnerability for depression. Similar associations apply to a spectrum of other psychiatric and medical disorders that frequently coincide with depression and are aggravated by stress, including chronic fatigue syndrome among others. This line of evidence may ultimately promote optimized clinical care and help prevent the adverse outcomes of childhood trauma.

11:30 am - 12:45 pm

**Roundtable Lunches/Special Meetings (or lunch on your own)****Early Life Stress Roundtable***Houston Room**Facilitators: Christine Heim, PhD and Paul Plotsky, PhD*

This roundtable will allow for continued discussion with the presenters from the Invited Plenary Symposium: Developmental Processes from Early Life into Adulthood.

**Measuring Symptoms: From the Psychometric to the Practical Roundtable***Denver Room**Facilitator: Kurt Kroenke, MD, recipient of the 2009 Donald Oken Fellowship*

A wide variety of symptom measures have been developed and are commonly used in research but frequently have a low uptake in clinical practice, particularly in primary care and other medical settings. Some of the barriers include length of the measure, complexity of scoring, proprietary issues, and failure to serve the full array of clinical needs, including screening, diagnosis, severity assessment, and treatment monitoring. In the past decade, a measure that has overcome a number of these barriers has been the Patient Health Questionnaire (PHQ). Originally developed as the PRIME-MD, it was subsequently revised to become a fully self-administered psychological assessment tool for the most common mental disorders in medical practice. The depression scale (PHQ-9) has become particularly popular as both a clinical and research measure, used in hundreds of studies and translated into more than 30 languages. The PHQ-15 somatization scale and GAD-7 anxiety scale are likewise derived from the PHQ and have become standard measures in their own right. Together, these 3 scales assess the triad of disorders most prevalent in clinical practice: depression, anxiety, and somatization. The author will discuss the development of the PHQ and the lessons learned in bridging psychometric with practical concerns. Application of these principles to the new 3-item PEG measure for pain will also be discussed. The issues addressed in an interactive fashion will be of broad relevance to psychosomatic researchers as well as practicing clinicians.

**Psychosomatic Medicine Editorial Board Luncheon***Kane Room**by invitation only*

CONCURRENT SESSIONS

**Symposium 1260: Couple Interaction and Stress across the Life Course: Implications for Health and Disease** *Chicago Ballroom A-C*

*Chair: Beate Ditzen, PhD*

*Beate Ditzen, Ph.D., Psychology, Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Switzerland, Switzerland, Kathleen C. Light, Ph.D., Psychiatry, Pain Research Center, University of Utah School of Medicine, Salt Lake City, Utah, Shu-wen Wang, M.A., Psychology, University of California, Los Angeles (UCLA), Los Angeles, CA, Christiane Hoppmann, Ph.D., Psychology, University of British Columbia, Vancouver, British Columbia, Canada,*

**Individual Abstract Number: 1548**

EFFECTS OF COUPLE CONFLICT IN THE LABORATORY ON SALIVARY ALPHA AMYLASE

*Beate Ditzen, Ph.D., Psychology, Clinical Psychology and Psychotherapy, Marcel Schaer, M.Sc., Guy J. Bodenmann, Ph.D., Psychology, Clinical and Family Psychology, Urs M. Nater, Ph.D., Psychology, Clinical Psychology and Psychotherapy, Markus Heinrichs, Ph.D., Psychology, Clinical Psychology and Psychobiology, Ulrike Ehlert, Ph.D., Psychology, Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Switzerland, Switzerland*

**Individual Abstract Number: 1455**

OXYTOCIN (OT), CARDIOVASCULAR AND SYMPATHETIC (SNS) BENEFITS OF WARM PARTNER CONTACT IN BOTH HUSBANDS AND WIVES

*Kathleen C. Light, Ph.D., Psychiatry, Pain Research Center, University of Utah School of Medicine, Salt Lake City, Utah, Julianne .. Holt-Lunstad, Ph.D., Wendy A. Birmingham, B.S., Psychology, Brigham Young University, Provo, Utah, Karen M. Grewen, Ph.D., Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina*

**Individual Abstract Number: 1410**

HUSBANDS' RESPONSES TO JOB STRESS IN MARITAL INTERACTIONS ARE MODERATED BY EMOTIONAL AND MARITAL DISTRESS

*Shu-wen Wang, M.A., Rena L. Repetti, PhD, Psychology, University of California, Los Angeles (UCLA), Los Angeles, CA*

**Individual Abstract Number: 1552**

GOAL PURSUIT IN ELDERLY COUPLES: ON THE ROLE OF GOAL-DISENGAGEMENT STRATEGIES

*Christiane Hoppmann, Ph.D., Psychology, University of British Columbia, Vancouver, British Columbia, Canada, Fredda Blanchard-Fields, Ph.D., School of Psychology, Georgia Institute of Technology, Atlanta, GA*

**Symposium 1212: Sleep, Health and Functioning: New Perspectives across the Adult Lifespan** *Chicago Ballroom D*

*Chair: Martica H. Hall, PhD*

*Michele L. Okun, Ph.D., Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA, Hyong Jin Cho, MD, PhD, Psychiatry, UCLA, Los Angeles, California, Margaret D. Hanson, MA, Psychology, University of British Columbia, Vancouver, BC, Canada, Wendy M. Troxel, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA*

**Individual Abstract Number: 1346**

COMPLIANCE WITH SAMPLING PROCEDURES IMPACTS ASSESSMENT OF THE CORTISOL AWAKENING RESPONSE (CAR)

*Michele L. Okun, Ph.D., Amy Begley, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA, Daniel J. Buysse, M.D., Psychiatry, University of Pittsburgh, Pittsburgh, PA, Timothy Monk, Dr PH, Charles F. Reynolds III, M.D., Martica Hall, Ph.D., Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA*

**Individual Abstract Number: 1268**

ASSOCIATION BETWEEN C-REACTIVE PROTEIN AND FATIGUE FIVE YEARS LATER - THE CORONARY ARTERY RISK DEVELOPMENT IN YOUNG ADULTS (CARDIA) STUDY

*Hyong Jin Cho, MD, PhD, Psychiatry, Teresa E. Seeman, PhD, Epidemiology, Julienne E. Bower, PhD, Psychiatry, UCLA, Los Angeles, CA, Catarina I. Kiefe, MD, PhD, Preventive Medicine, University of Alabama at Birmingham, Birmingham, AL, Michael R. Irwin, MD, Psychiatry, UCLA, Los Angeles, CA*

**Individual Abstract Number: 1259**

EXAMINING THE EFFECTS OF SOCIOECONOMIC STATUS ON DAILY STRESS, SLEEP, AND HEALTH SYMPTOMS

Margaret D. Hanson, MA, Edith Chen, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

**Individual Abstract Number: 1213**

SOCIAL ISOLATION, BLOOD PRESSURE DIPPING, AND NOCTURNAL PATHWAYS IN AFRICAN AMERICAN AND CAUCASIAN MEN AND WOMEN

Wendy M. Troxel, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Daniel J. Buysse, MD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Martica Hall, PhD, Psychiatry, University of Pittsburgh, Pgh, PA, Thomas Kamarck, PhD, Psychology, Patrick J. Strollo, MD, Medicine, Jane F. Owens, PhD, Psychiatry, University of Pittsburgh, Pgh, PA, Steven E. Reis, MD, Medicine, Karen A. Matthews, PhD, Psychiatry, Psychology, and Epidemiology, University of Pittsburgh, Pgh, PA

**Symposium 1038: SYNOPSIS: Early-Life SES and Health in Adulthood: Psychobiologic Mechanisms** *Chicago Ballroom F-G*

Chair: Gregory E. Miller, PhD

Emma K. Adam, Ph.D., Program on Human Development and Social Policy, Northwestern University, Evanston, IL, Gregory E. Miller, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada, Edith Chen, Ph.D., Psychology, University of British Columbia, Vancouver, BC, Canada, Karen A. Matthews, Ph.D., Psychiatry, University of Pittsburgh, Pittsburgh, PA, Thomas McDade, Ph.D., Anthropology, Northwestern University, Evanston, IL

**Individual Abstract Number: 1060**

EARLY DEVELOPMENTAL INFLUENCES ASSOCIATED WITH HPA-AXIS ACTIVITY IN YOUNG ADULTHOOD

Emma K. Adam, Ph.D., Program on Human Development and Social Policy, Northwestern University, Evanston, IL, Amy DeSantis, MSW, Human Development and Social Policy, Amy DeSantis, Evanston, IL, Christopher Kuzawa, PhD, Anthropology, Northwestern University, Evanston, IL

**Individual Abstract Number: 1106**

CHILDHOOD SES ASSOCIATED WITH EPIGENETIC MODIFICATIONS TO GLUCOCORTICOID RECEPTOR EXON 1C IN ADULTHOOD

Gregory E. Miller, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

**Individual Abstract Number: 1040**

FAMILY SOCIOECONOMIC STATUS PREDICTS LONGITUDINAL TRAJECTORIES OF CORTISOL IN CHILDREN

Edith Chen, Ph.D., Psychology, University of British Columbia, Vancouver, BC, Canada

**Individual Abstract Number: 1039**

SOCIOECONOMIC STATUS AND SUBCLINICAL CARDIOVASCULAR DISEASE IN ADOLESCENCE: DO PSYCHOLOGICAL FACTORS MATTER?

Karen A. Matthews, Ph.D., Psychiatry, Rebecca C. Thurston, PhD, Psychiatry and Epidemiology, Aimee J. Midei, B.A., Psychology, University of Pittsburgh, Pittsburgh, PA

**Paper Session: Psychosocial Predictors of Risk and Mortality** *Los Angeles/Miami Room*

Chair: Gail Ironson, MD

**Abstract 1136**

NEUROTIC HOSTILITY EXPLAINS THE ASSOCIATION BETWEEN DEPRESSIVE MOOD AND MORTALITY: EVIDENCE FROM THE FRENCH GAZEL COHORT STUDY

Cédric Lemogne, MD, CNRS UMR 7593, Pitié-Salpêtrière Hospital, Paris, France, Hermann Nabi, PhD, INSERM U687, Paul Brousse Hospital, Villejuif, France, Marie Zins, MD, RPPC Team, CETAF, Saint-Mandé, France, Sylvaine Cordier, PhD, INSERM U625, Rennes 1 University, Rennes, France, Pierre Ducimetière, PhD, INSERM U258, Marcel Goldberg, MD, PhD, INSERM U687, Paul Brousse Hospital, Villejuif, France, Silla M. Consoli, MD, PhD, C-L Psychiatry, European Georges Pompidou Hospital, Paris, France

**Abstract 1085**

PSYCHOLOGICAL TRAITS AND MORBIDITY AND TOTAL MORTALITY IN THE WOMEN'S HEALTH INITIATIVE

Hilary A. Tindle, MD, Internal Medicine, Yue-Fang Chang, PhD, Lewis H. Kuller, MD, Department of Epidemiology, University of Pittsburgh, Pittsburgh, Pennsylvania, JoAnn E. Manson, MD, Division of Preventive Medicine, Brigham and Women's Hospital, Boston, Massachusetts, Jennifer G. Robinson, MD, Department of Epidemiology, University of Iowa, Iowa City, Iowa, Milagros C. Rosal, PhD, Department of Medicine, University of Massachusetts, Worcester, Massachusetts, Greg J. Siegle, PhD, Karen A. Matthews, PhD, Department of Psychiatry, University of Pittsburgh, Pittsburgh, Pennsylvania

**Abstract 1100**

DO ANGER AND HOSTILITY PREDICT CORONARY HEART DISEASE?: A META-ANALYTIC REVIEW OF PROSPECTIVE EVIDENCE

Yoichi Chida, MD, PhD, Andrew Steptoe, DPhil, Epidemiology and Public Health, University College London, London, UK

**Abstract 1272**

PREDICTING CORONARY HEART DISEASE RISK FROM CHILDHOOD PERSONALITY TRAITS

Sarah E. Hampson, PhD, Oregon Research Institute, Eugene, OR, Teresa A. Hillier, MD, Kaiser Permanente Center for Health Research Hawaii, Honolulu, Hawaii, Joan P. Dubanoski, PhD, Kaiser Permanente Center for Health Research, Honolulu, HI, Lewis R. Goldberg, PhD, Oregon Research Institute, Eugene, Oregon

**Abstract 1123**

HIGHER LEVELS OF PERCEIVED STRESS INCREASE RISK OF STROKE MORTALITY IN OLDER ADULTS

Susan A. Everson-Rose, PhD, Medicine, Hongfei Guo, PhD, Scott Lunos, MS, Biostatistics, University of Minnesota, Minneapolis, MN, Carlos F. Mendes de Leon, PhD, Rush Institute for Healthy Aging, Neelum T. Aggarwal, MD, Neurological Sciences, Denis A. Evans, MD, Rush Institute for Healthy Aging, Rush University Medical Center, Chicago, IL

2:00 - 2:15 pm

**BREAK**

2:15 - 4:00 pm

**CONCURRENT SESSIONS**

**Paper Session: Effects of Psychosocial Factors on Immunity and Inflammation**

**Chicago Ballroom A-C**

Chair: Suzi Hong, PhD

**Abstract 1375**

PSYCHOLOGICALLY ADVERSE WORK CONDITIONS ARE ASSOCIATED WITH CD8+ T CELL DIFFERENTIATION INDICATIVE OF IMMUNOSENESCENCE

Jos A. Bosch, PhD, MIPH, University of Heidelberg, Mannheim, Germany, Johannes E. Fischer, MD, Institute for Transplantation Diagnostics, Heinrich Heine University Dusseldorf, Dusseldorf, Germany, Joachim M. Fischer, MD, MIPH, University of Heidelberg, Mannheim, Germany

**Abstract 1517**

RELATIONSHIP SATISFACTION, SOCIAL SUPPORT, AND WOUND HEALING IN DATING COUPLES

Theodore F. Robles, Ph.D., Kathryn P. Brooks, M. A., Danielle M. Vinas., Chris Dunkel Schetter, Ph.D., Psychology, University of California, Los Angeles, Los Angeles, CA

**Abstract 1676**

GENDER DIFFERENCES IN STIMULATED CYTOKINE PRODUCTION FOLLOWING ACUTE PSYCHOLOGICAL STRESS

Aric A. Prather, M.S., Judith E. Carroll, M.S., Jacqueline M. Fury, B.S., Kevin K. McDade, M.S., Diana Ross, R.N., BSN, Anna L. Marsland, Ph.D., R.N., Psychology, University of Pittsburgh, Pittsburgh, Pennsylvania

**Abstract 1724**

EXAMINATION STRESS CAUSES HYPER-INFLAMMATION OF THE ORAL MUCOSA AND SLOWS HEALING

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

**Abstract 1708**

HEART RATE AND HEART RATE VARIABILITY PREDICT INFLAMMATION IN A NATIONAL SAMPLE: DATA FROM THE MIDUS STUDY

*Elliot M. Friedman, PhD, Institute on Aging, University of Wisconsin-Madison, Madison, WI, Richard Sloan, PhD, Paula McKinley, PhD, Psychiatry, Columbia University, New York, NY, Burton H. Singer, PhD, Institute on Aging, Carol D. Ryff, PhD, Psychology and Institute on Aging, University of Wisconsin-Madison, Madison, WI*

**Abstract 1440**

DEPRESSION PREDICTS GLUCOCORTICOID RESISTANCE IN MULTIPLE SCLEROSIS

*David C. Mohr, PhD, Ling Jin, MS, Emily Gagen,, Department of Preventive Medicine, Northwestern University, Chicago, IL, David Daikh, MD, Medicine, University of California, San Francisco, San Francisco, CA*

**Abstract 1242**

SELF-REPORTED EXPERIENCES OF DISCRIMINATION ARE ASSOCIATED WITH ELEVATED C-REACTIVE PROTEIN LEVELS IN OLDER AFRICAN-AMERICAN ADULTS

*Tené T. Lewis, PhD, Epidemiology & Public Health, Yale University School of Medicine, New Haven, CT, Jeremiah Kelly, MD, Sue E. Leurgans, PhD, Lisa L. Barnes, PhD, Rush Alzheimer's Disease Center, Rush University Medical Center, Chicago, IL*

**Paper Session: Depression & Heart**

**Chicago Ballroom D**

*Chair: Christian Albus, MD*

**Abstract 1117**

MARRIAGE, DEPRESSIVE SYMPTOMS, AND THE METABOLIC SYNDROME: A COUPLES' STRUCTURAL MODEL

*Nancy J. Henry, M.S., Timothy W. Smith, PhD, Jonathan Butner, PhD, Cynthia Berg, PhD, Bert Uchino, PhD, Psychology, University of Utah, Salt Lake City, UT*

**Abstract 1326**

DEPRESSION AND RESTING ENDOTHELIN-1 IN PATIENTS WITH CORONARY ARTERY DISEASE

*Matthew M. Burg, PhD, Medicine, Yale U School of Medicine / Columbia U Med Center, West Haven, CT, Elisabeth Martens, PhD, Medical Psychology, Tilburg University, Tilburg, 5000 LE, Netherlands, Dorothea Collins, ScD, Cooperative Studies, VA Connecticut, West Haven, CT, Hooman Ranjbaran, MD, Medicine, Yale University School of Medicine, West Haven, CT, Aaron Soufer, BA, Medicine, VA Connecticut, West Haven, CT, Antonio Fernandez, MD, Robert Soufer, MD, Medicine, Yale University School of Medicine, West Haven, CT*

**Abstract 1446**

SUBCLINICAL CAROTID ATHEROSCLEROSIS IN PERSONS WITH AND WITHOUT DEPRESSIVE AND ANXIETY DISORDERS: PRELIMINARY RESULTS FROM A LARGE COHORT STUDY

*Adrie Seldenrijk, MSc, Psychiatry, Hein Van Hout, PhD, Harm Van Marwijk, PhD, General Practice, Michaela Diamant, PhD, Endocrinology, Brenda Penninx, PhD, Psychiatry, VU University Medical Center, Amsterdam, The Netherlands*

**Abstract 1463**

DEPRESSION AND CORONARY FLOW RESERVE DETECTED BY POSITRON EMISSION TOMOGRAPHY

*Viola Vaccarino, MD, PhD, Medicine, John Votaw, PhD, Tracy Faber, PhD, Radiology, Emory University, Atlanta, GA, Jack Goldberg, PhD, Vietnam Era Twin Registry, Seattle, WA, David Sheps, MD, Medicine, J. D. Bremner, MD, Psychiatry, Emory University, Atlanta, GA*

**Abstract 1394**

RESULTS OF METABOLOMIC ANALYSIS DIFFER BETWEEN DEPRESSED AND NON-DEPRESSED PATIENTS WITH CHRONIC HEART FAILURE

*Wei Jiang, MD, Internal Medicine/Psychiatry & Behavioral Sciences, Duke University Medical Center, Durham, NC, David C. Steffens, MD, Psychiatry & Behavioral Sciences, Duke University, Durham, NC, Edward Karoly, PhD, Metabolon Inc., Durham, NC, Christopher M. O'Connor, MD, Internal Medicine, Duke University, Durham, NC, Maragatha Kuchibhatla, PhD, Aging center, Durka University, Durham, NC, Susan G. Silva, PhD, DCRI, Michael S. Cuffe, MD, Internal Medicine, Ranga R. Krishnan, MD, Rima F. Kaddura-Daouk, PhD, Psychiatry & Behavioral Sciences, Duke University, Durham, NC*

**Abstract 1294**

DEPRESSIVE SYMPTOMS ARE ASSOCIATED WITH SOLUBLE P-SELECTIN (SP-SELECTIN) REACTIVITY TO ACUTE EXERCISE IN HEART FAILURE

*Petra H. Wirtz, PhD, Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Switzerland*

land, Suzi Hong, PhD, Laura S. Redwine, PhD, Psychiatry, Medical Center, Joseph Tafur, MD, Psychiatry, Medical School, Thomas Rutledge, PhD, Psychiatry, Medical Center, Michael G. Ziegler, MD, Barry Greenberg, MD, Medicine, Paul J. Mills, PhD, Psychiatry, Medical Center, UCSD, San Diego, CA

**Abstract 1730**

A MECHANISTIC STUDY TO DETERMINE WHETHER LYMPHOCYTE SENSITIVITY TO CATECHOLAMINES IS ASSOCIATED WITH INCREASED LYMPHOCYTE MOBILITY IN HEART FAILURE PATIENTS WITH ELEVATED DEPRESSION SYMPTOMS

Laura S. Redwine, Ph.D., Medicine, Suzi Hong, Ph.D., Psychiatry, University of California, San Diego, CA, Petra Wirtz, Ph.D., Clinical Psychology and Psychotherapy, Psychological Institute, University of Zurich, Zurich, Switzerland, Switzerland, Paul J. Mills, Ph.D., Psychiatry, University of California, San Diego, CA

**Paper Session: Biopsychosocial Outcomes of Cancer Patients: Risk and Protective Factors**

**Chicago Ballroom F-G**

Chair: Karen Weihs, MD

**Abstract 1452**

EVIDENCE ON THE DIRECTION OF EFFECTS BETWEEN DAY-TO-DAY CHANGES IN CELLULAR IMMUNE ACTIVATION, FATIGUE AND MOOD IN TWO PATIENTS WITH PRIOR BREAST CANCER: A TIME-SERIES ANALYSIS APPROACH

Christian Schubert, MD PhD, Dept. of Med. Psychology and Psychotherapy, Innsbruck Medical University, Innsbruck, Tirol, Austria, Christina Burbaum, PhD, Dept. of Psychosomatic Medicine and Psychotherapy, University Hospital Freiburg, Freiburg, Baden-Wuerttemberg, Germany, Mechthild Neises, MD PhD, Dept. of Psychosomatic Medicine, Hannover Medical School, Hannover, Niedersachsen, Germany, Willi Geser, PhD, Institute of Psychology, University of Psychology, Innsbruck, Tirol, Austria, Francisco M. Ocaña Peinado, PhD, Dept. of Statistics and Operations Research, University of Granada, Granada, Spain, Spain, Dietmar Fuchs, PhD, Division of Biological Chemistry, Biocentre, Innsbruck Medical University, Innsbruck, Tirol, Austria, Gerhard Schmid-Ott, MD, Dept. of Psychosomatic Medicine, Hannover Medical School, Hannover, Niedersachsen, Germany, Kurt Fritzsche, MD, Dept. of Psychosomatic Medicine and Psychotherapy, University Hospital Freiburg, Freiburg, Baden-Wuerttemberg, Germany

**Abstract 1441**

PERCEIVED COGNITIVE DYSFUNCTION IN SURVIVORS OF HEMATOLOGICAL STEM CELL TRANSPLANTATION

Anna Rusiewicz, PHD, ONCOLOGICAL SCIENCES, MT SINAI SCHOOL OF MEDICINE, NEW YORK, NY

**Abstract 1473**

PATHWAYS TO RESILIENCE FOLLOWING A CANCER DIAGNOSIS

Erin S. Costanzo, PhD, Psychology, Burton H. Singer, PhD, Institute on Aging, Carol D. Ryff, PhD, Psychology and Institute on Aging, University of Wisconsin, Madison, WI

**Abstract 1749**

COPING STYLE AND DISEASE STAGE AS PREDICTORS OF ADJUSTMENT TO A DIAGNOSIS OF GYNECOLOGIC CANCER

Elizabeth A. Mullen, M.S., Psychology, University of Iowa, Iowa City, IA, Barrie Anderson, M.D., Obstetrics & Gynecology, University of Iowa College of Medicine, Iowa City, IA, Susan K. Lutgendorf, Ph.D., Psychology, University of Iowa, Iowa City, IA

**Abstract 1275**

COGNITIVE-BEHAVIORAL STRESS MANAGEMENT: EFFECTS ON PSYCHOSOCIAL WELL-BEING OF HIV+ WOMEN AT RISK FOR CERVICAL CANCER

Sally E. Jensen, M.S., Center on Outcomes, Research and Education, NorthShore University HealthSystem, Evanston, IL, Deidre B. Pereira, Ph.D., Clinical and Health Psychology, University of Florida, Gainesville, FL, Nicole Ennis Whitehead, Ph.D., UM Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL, Ilona Marion, M.S., Judith R. McCalla, Ph.D., Psychology, University of Miami, Coral Gables, FL, Michelle P. Andrasik, Ph.D., Psychiatry and Behavioral Sciences, University of Washington, Seattle, WA, Rachel C. Rose, Ph.D., Atlanta Center for Eating Disorders, Atlanta Center for Eating Disorders, Atlanta, GA, Michael H. Antoni, Ph.D., Psychology, University of Miami, Coral Gables, FL

**Abstract 1197**

COMPARISON OF LONG-TERM QUALITY OF LIFE AND SYMPTOM BURDEN IN PROSTATE CANCER SURVIVORS MANAGED WITH ACTIVE SURVEILLANCE OR TREATED WITH RADIOTHERAPY: A MATCHED STUDY

*Floortje Mols, PhD, Medical Psychology, Tilburg University, Tilburg, The Netherlands, Melissa S. Thong, PhD, Eindhoven Cancer Registry, Comprehensive Cancer Centre South, Eindhoven, The Netherlands, Paul J. Kil, PhD, Department of Urology, Sint Elisabeth hospital, Tilburg, The Netherlands, Lonneke V. van de Poll-Franse, PhD, Eindhoven Cancer Registry, Comprehensive Cancer Centre South, Eindhoven, The Netherlands*

**Abstract 1134**

US CANCER SURVIVORS ARE MORE LIKELY TO REPORT FORGOING MENTAL HEALTH CARE DUE TO COST

*Kathryn E. Weaver, PhD, Julia H. Rowland, PhD, Noreen M. Aziz, MD, PhD, Office of Cancer Survivorship, National Cancer Institute, Bethesda, MD, Keith M. Bellizzi, PhD, Human Development and Family Studies, University of Connecticut, Storrs, CT*

**Paper Session: Health Risk Behaviors  
Across the Life Course**

**Los Angeles/Miami Room**

*Chair: Carlos Mendes de Leon, PhD*

**Abstract 1048**

SECONDHAND EXPOSURE AND DEPRESSION IN THE UNITED STATES: IMPLICATIONS FOR TOBACCO POLICY

*Frank C. Bandiera, MPH, Alberto J. Caban-Martinez, MPH, David J. Lee, PhD, Lora E. Fleming, MD PhD, Noella Dietz, PhD, Kristopher Arheart, EdD, William LeBlanc, PhD, Evelyn P. Davila, MPH, Epidemiology and Public Health, University of Miami, Miami, FL*

**Abstract 1742**

THE INTERACTION OF SMOKING VOLUME AND SMOKING CESSATION ON ENDOTHELIAL FUNCTION IN CARDIAC PATIENTS

*Kim L. Lavoie, PhD, Catherine Laurin, PhD, Claudia A. Flores Echaiz, BSc, Andre Arsenault, MD, Simon L. Bacon, PhD, Montreal Behavioural Medicine Centre, MHI/UQAM/Concordia, Montreal, Canada*

**Abstract 1324**

A PRELIMINARY STUDY EXAMINING SMOKING-MELANIN ASSOCIATIONS IN AFRICAN AMERICAN AND EUROPEAN AMERICAN SMOKERS

*Ayodele A. Gomih, BS, Psychiatry & Behavioral Neuroscience, Rick A. Kittles, PhD, Genetic Medicine, Andrea C. King, PhD, Psychiatry & Behavioral Neuroscience, University of Chicago, Chicago, IL*

**Abstract 1406**

DO PERCEPTIONS OF STRESS AND SOCIAL STATUS DRIVE HUNGER AND OVEREATING?

*Jenna R. Carl, B.A., Lisa M. Groesz, Ph.D., Dorena Rode, Ph.D., Lindsay C. Skarpnes, B.A., Elissa S. Epel, Ph.D., UCSF, San Francisco, CA*

**Abstract 1183**

CHILDHOOD ABUSE AND NEGLECT ARE ASSOCIATED WITH BODY FAT DISTRIBUTION IN ADULTHOOD

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

**Abstract 1738**

EXERCISE AND DIET BEHAVIORS AND THEIR EFFECT ON SALIVARY CORTISOL PATTERNS AMONG OLDER ADULTS

*Guido G. Urizar Jr., Ph.D., Psychology, California State University, Long Beach, CA, Natara Garovoy, Ph.D., Cynthia M. Castro, Ph.D., Abby C. King, Ph.D., Medicine, Stanford University, Stanford, CA*

**Abstract 1289**

HEALTH BEHAVIOURS FROM EARLY TO LATE MIDLIFE AS PREDICTORS OF COGNITIVE FUNCTION: THE WHITEHALL II PROSPECTIVE COHORT STUDY

*S  verine Sabia, MSc, Hermann Nabi, PhD, Social determinant of health U687, INSERM, Villejuif Cedex, France, Mika Kivimaki, PhD, Martin Shipley, PhD, Dept of Epidemiology & Public Health, UCL, London, UK, Archana Singh-Manoux, PhD, Social determinant of health U687, INSERM, Villejuif Cedex, France*

Thursday, March 5, 2009

4:00 - 4:15 pm

**BREAK**

4:15 - 5:15 pm

**CONCURRENT SESSIONS**

**Symposium 1096: New Statistical Techniques and Research Designs Dealing with Time Series Data in Psychosomatic Research**

*Chicago Ballroom A-C*

*Chair: Christian Schubert, MD, PhD*

*Beate Wild, PhD, Dept. of Psychosomatic and General Internal Medicine, Medical University Hospital Heidelberg, Heidelberg, Germany, Christian Schubert, MD, PhD, Medical Psychology and Psychotherapy, Innsbruck Medical University, Innsbruck, Tirol, Austria*

**Individual Abstract Number: 1097**

TIME-SERIES ANALYSIS IN PSYCHOSOMATIC RESEARCH

*Beate Wild, PhD, Dept. of Psychosomatic and General Internal Medicine, Medical University Hospital of Heidelberg, Heidelberg, Baden-Württemberg, Germany, Christian Schubert, MD, PhD, Medical Psychology and Psychotherapy, Innsbruck Medical University, Innsbruck, Tirol, Austria*

**Individual Abstract Number: 1098**

THE USE OF INTEGRATIVE SINGLE-CASE STUDIES IN RESEARCH ON PSYCHOSOMATIC COMPLEXITY

*Christian Schubert, MD, PhD, Clin. Dept. of Medical Psychology and Psychotherapy, Innsbruck Medical University, Innsbruck, Tirol, Austria, Kurt Fritzsche, MD, Dept. of Psychosomatic Medicine and Psychotherapy, University Hospital Freiburg, Freiburg, Baden-Württemberg, Germany, Gerhard Schmid-Ott, MD, Department of Psychosomatic Medicine, Hannover Medical School, Hannover, Niedersachsen, Germany, Dietmar Fuchs, PhD, Division of Biological Chemistry, Biocentre, Innsbruck Medical University, Innsbruck, Tirol, Austria, Willi Geser, PhD, Institute of Psychology, University of Innsbruck, Innsbruck, Tirol, Austria*

**Individual Abstract Number: 1108**

TEMPORAL RELATIONSHIPS OF EATING BEHAVIOUR AND EMOTIONAL SYMPTOMS IN OBESE PATIENTS WITH AND WITHOUT BINGE EATING DISORDER

*Beate Wild, PhD, Dept. of Psychosomatic and General Internal Medicine, Medical University Hospital Heidelberg, Heidelberg, Baden-Württemberg, Germany, Michael Eichler, PhD, Department of Quantitative Economics, University of Maastricht, Maastricht, Limburg, Netherlands, Hans-Christoph Friederich, MD, Mechthild Hartmann, PhD, Dept. of Psychosomatic and General Internal Medicine, Medical University Hospital of Heidelberg, Heidelberg, Baden-Württemberg, Germany, Wolfgang Herzog, MD, Dept. of Psychosomatic and General Internal Medicine, Medical University Hospital of Tübingen, Heidelberg, Baden-Württemberg, Germany, Stephan Zipfel, MD, Dept. of Psychosomatic Medicine and Psychotherapy, Medical University Hospital of Tübingen, Tübingen, Baden-Württemberg, Germany*

**Symposium 1158: The Bypassing the Blues Trial: Telephone-Delivered Collaborative Care for Treating Post-CABG Depression**

*Chicago Ballroom D*

*Chair: Bruce L. Rollman, MD, MPH*

*Bruce L. Rollman, MD, MPH, Bea Herbeck Belnap, PhD, Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA, Kenneth E. Freedland, Ph.D., Psychiatry, Washington University School of Medicine, St. Louis, MO*

**Individual Abstract Number: 1159**

THE BYPASSING THE BLUES TRIAL: BACKGROUND AND RATIONALE

*Bruce L. Rollman, MD, MPH, Bea Herbeck Belnap, Ph.D., Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA, Sati Mazumdar, Ph.D., Biostatistics, University of Pittsburgh Graduate School of Public H, Pittsburgh, PA, Herbert C. Schulberg, Ph.D., Psychiatry, Weill Cornell Medical School, White Plains, NY, Wishwa N. Kapoor, MD, MPH, Medicine, Charles F. Reynolds, III, MD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA*

**Individual Abstract Number: 1167**

THE BYPASSING THE BLUES TRIAL: METHODS AND MAIN OUTCOMES

*Bruce L. Rollman, MD, MPH, Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA*

**Individual Abstract Number: 1168**

THE BYPASSING THE BLUES TRIAL: TELEPHONE-DELIVERED STEPPED COLLABORATIVE CARE FOR TREATING POST-CABG DEPRESSION. INTERVENTION PROCESS MEASURES OF CARE

*Bea Herbeck Belnap, PhD, Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA*

**Symposium 1492: Women's Health Across the Menopausal Transition: Brains, Sex, and Hot Flashes**

*Chicago Ballroom F-G*

*Chair: Rebecca C. Thurston, PhD*

*Rebecca C. Thurston, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Susan A. Everson-Rose, PhD, Medicine, University of Minnesota, Minneapolis, MN, Isabella Soreca, MD, Psychiatry, Rachel Hess, MD, Medicine, University of Pittsburgh, Pittsburgh, PA*

**Individual Abstract Number: 1493**

HOT FLASHES AND CARDIAC VAGAL CONTROL: A LINK TO CARDIOVASCULAR RISK?

*Rebecca C. Thurston, PhD, Israel C. Christie, PhD, Karen A. Matthews, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA*

**Individual Abstract Number: 1494**

GAINS IN BODY MASS INDEX OVER THE MENOPAUSAL TRANSITION ARE ASSOCIATED WITH REDUCED GRAY MATTER VOLUME

*Isabella Soreca, MD, Psychiatry, Caterina Rosano, MD, Epidemiology, J. Richard Jennings, PhD, Lei K. Sheu, PhD, Psychiatry, Lewis H. Kuller, MD, Epidemiology, Karen A. Matthews, PhD, Howard J. Aizenstein, MD, Peter J. Gianaros, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA*

**Individual Abstract Number: 1495**

ASSOCIATION OF LIFESTYLE AND RELATIONSHIP FACTORS WITH SEXUAL FUNCTIONING IN MIDLIFE WOMEN

*Rachel Hess, MD, Molly B. Conroy, MD, Medicine, Roberta Ness, MD, Epidemiology, Cindy L. Bryce, PhD, Stacey Dillon, MS, Chung-Chou H. Chang, PhD, Medicine, Karen A. Matthews, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA*

5:15 - 6:30 pm

**POSTER SESSION 1**

*Chicago Ballroom E and Foyer*

**52) Abstract 1420**

WAIST CIRCUMFERENCE AND BODY MASS INDEX ARE DIFFERENTIALLY ASSOCIATED WITH DEPRESSION AND INFLAMMATION IN PATIENTS WITH ADVANCED PROSTATE CANCER

*William Arguelles, B.S., Catherine Benedict, B.S., Lara Traeger, M.S., Psychology, University of Miami, Coral Gables, FL, Jason Dahn, Ph.D., Psychology, Miami VAMC, Miami, FL, Mikal Rasheed, M.S., Eric Zhou, M.S., Natalie Escobio, B.S., Psychology, University of Miami, Coral Gables, FL, Bruce Kava, M.D., Mark Soloway, M.D., Bron Daniel, B.S., Jennifer J. Hu, Ph.D., Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine, Miami, FL, Frank J. Penedo, Ph.D., Psychology, University of Miami, Coral Gables, FL*

**53) Abstract 1194**

LONG-TERM CANCER SURVIVORS EXPERIENCE WORK CHANGES AFTER DIAGNOSIS: RESULTS OF A POPULATION-BASED STUDY

*Floortje Mols, PhD, Medical Psychology, Tilburg University, Tilburg, The Netherlands, Melissa S. Thong,, Eindhoven Cancer Registry, Comprehensive Cancer Centre South, Eindhoven, The Netherlands, Gerard Vreugdenhil, PhD, Department of Internal Medicine, Máxima Medical Centre, Veldhoven, The Netherlands, Lonneke V. van de Poll-Franse, PhD, Eindhoven Cancer Registry, Comprehensive Cancer Centre South, Eindhoven, The Netherlands*

**54) Abstract 1276**

PRE-SURGICAL PSYCHONEUROIMMUNOLOGIC PREDICTORS OF POST-SURGICAL PAIN IN WOMEN WITH ENDOMETRIAL CANCER

*Sally E. Jensen, M.S., Center on Outcomes, Research and Education, NorthShore University HealthSystem, Evanston, IL, Stacy M. Dodd, M.S., Timothy Sannes, B.A., Clinical and Health Psychology, Linda Morgan, MD, Obstetrics and Gynecology, Deidre B. Pereira, Ph.D., Clinical and Health Psychology, University of Florida, Gainesville, FL*

**55) Abstract 1017**

STRESS/BEHAVIORAL CORRELATES OF EARLY AGE AT INITIAL DIAGNOSIS OF CHRONIC LYMPHO-CYTIC LEUKEMIA

*Mark W. Ketterer, PhD, C/L Psychiatry, Bernd Barthel, MD, Hematology/Oncology, Emily Ketterer, BA, C/L Psychiatry, Phillip Kuriakose, MD, Amr Hanbali, MD, Yue Guo, MD, Hematology/Oncology, Walter Knysz, MD, C/L Psychiatry, Henry Ford Hospital/WSU, Detroit, MI*

**56) Abstract 1250**

RELATIONSHIPS BETWEEN PERSONALITY VARIABLES AND DEPRESSIVE SYMPTOMS IN WOMEN WITH ENDOMETRIAL CANCER

*Stephanie L. Garey, BS, Deidre B. Pereira, Ph.D., Stacy M. Dodd, M.S., Clinical and Health Psychology, University of Florida, Gainesville, FL, Sally E. Jensen, Ph.D., Center on Outcomes, Research and Education & Kellogg, NorthShore University HealthSystem, Evanston, IL, Timothy S. Sannes, BA, Clinical and Health Psychology, Linda S. Morgan, MD, Obstetrics and Gynecology, University of Florida, Gainesville, FL*

**57) Abstract 1325**

PILOT STUDY: RETREAT EXPERIENCE LINKED TO IMPROVED QUALITY OF LIFE AND REDUCED PSYCHOLOGICAL DISTRESS AMONG BREAST CANCER PATIENTS

*Elizabeth J. Vella, Ph.D., Psychology, University of Southern Maine, Portland, ME, Matthew Budd, M.D., Medicine, Harvard Medical School, Cambridge, MA*

**58) Abstract 1748**

LEARNING ABOUT CANCER: PROS AND CONS

*Sue v. Petzel, PhD, Melissa A. Geller, MD, OB-GYN & Women's Health, Rachael Isaksson, MS, Biostatistics and Informatics, Cancer Center, University of Minnesota, Minneapolis, Minnesota*

**59) Abstract 1180**

AMBIVALENT SOCIAL SUPPORT, MOOD, AND VEGF IN WOMEN UNDERGOING SURGERY FOR SUSPECTED ENDOMETRIAL CANCER

*Stacy M. Dodd, M.S., Deidre B. Pereira, Ph.D., Timothy Sannes, B.A., Clinical and Health Psychology, University of Florida, Gainesville, Florida, Sally E. Jensen, Ph.D., Center on Outcomes, Research, and Education, NorthShore University HealthSystem, Evanston, IL, Linda S. Morgan, M.D., Obstetrics and Gynecology, University of Florida College of Medicine, Gainesville, Florida, Edward Chan, Ph.D., Department of Oral Biology, University of Florida, Gainesville, Florida*

**60) Abstract 1756**

PRE-OPERATIVE ANXIETY, CORTISOL AND HEAT SHOCK PROTEINS IN WOMEN UNDERGOING SURGERY FOR SUSPECTED ENDOMETRIAL CANCER

*Timothy S. Sannes, B.A., Clinical and Health Psychology, University of Florida, Gainesville, FL, Sally Jensen, Ph.D., Kellogg Cancer Care Center, Northshore University Health System, Evanston, IL, Stacy M. Dodd, M.A., Clinical and Health Psychology, Linda Morgan, M.D., Department of Obstetrics and Gynecology, Edward Chan, Ph.D., Department of Oral Biology, Shawn Kneipp, Ph.D., College of Nursing, Deidre B. Pereira, Ph.D., Clinical and Health Psychology, University of Florida, Gainesville, FL*

**61) Abstract 1253**

INTROVERSION AND IL12 AMONG RECIPIENTS OF ALLOGENEIC HEMATOPOIETIC STEM CELL TRANSPLANT (HSCT)

*Seema M. Patidar, BS, Deidre B. Pereira, PhD, Clinical and Health Psychology, University of Florida, Gainesville, FL, Lisa Christian, PhD, Psychiatry, The Ohio State University, Columbus, OH, Stacy M. Dodd, MS, Michelle M. Bishop, PhD, Jason Craggs, PhD, Clinical and Health Psychology, University of Florida, Gainesville, FL, John R. Wingard, MD, Medicine, University of Florida Shands Cancer Center, Gainesville, FL, Vijay S. Reddy, MD, Hematology/Oncology, Florida Hospital, Orlando, FL*

**62) Abstract 1489**

EFFECTS OF MENTAL STRESS INDUCED MYOCARDIAL ISCHEMIA ON BRAIN FUNCTION IN PATIENTS WITH DEPRESSION

*James D. Bremner, MD, Psychiatry and Radiology, Negar Fani, M.S., Faiz Cheema, MD, Psychiatry, Emory University School of Medicine, Atlanta, GA, Ali Ashraf, MD, Psychiatry, Emory, Atlanta, GA, Viola Vaccarino, MD PhD, Cardiology, Emory University, Atlanta, GA*

**63) Abstract 1028**

RACIAL, GENDER, AND AGE DISPARITIES IN PATIENT PREFERENCES FOR RECEIVING SUPPORT AND EDUCATION AMONG THOSE WITH IMPLANTABLE CARDIOVERTER DEFIBRILLATORS

*Eva R. Serber, Ph.D., Centers for Behavioral and Preventive Medicine, The Miriam Hospital and Brown Medical School, Providence, RI, Nancy J. Finch, Ph.D., Transplant Center, Robert B. Leman, M.D., Division of Cardiology, Medical University of South Carolina, Charleston, SC, J Lacy Sturdivant, M.D., Division of Cardiology, Medical University of South Carolina, Providence, SC, Tammy Barnes, M.S.N., FNP-C, Elizabeth Clarke, RN, Jennifer Garry, RN, Michael R. Gold, M.D./Ph.D., Division of Cardiology, Medical University of South Carolina, Charleston, SC*

**64) Abstract 1023**

THE EFFECT OF GENDER AND COPING STRATEGIES ON CARDIOVASCULAR REACTIVITY TO STRESS AMONG CHINESE IMMIGRANTS

*Christine Lee, B.A., Sonia Suchday, Ph.D., Ferkauf Graduate School of Psychology, Yeshiva University, Bronx, NY, Judith Wylie-Rosett, Ed.D., Albert Einstein College of Medicine, Yeshiva University, Bronx, New York, William Wang, M.Ed., Chinese Community Partnership for Health, New York Downtown Hospital, New York, NY*

**65) Abstract 1352**

RELATIONSHIP BETWEEN OBJECTIVE AND SUBJECTIVE SLEEP QUALITY AND BIOMARKERS OF ATHEROSCLEROSIS IN ALZHEIMER CAREGIVERS AND NON-CAREGIVING CONTROLS

*Roland von Känel, MD, General Internal Medicine, University Hospital, Bern, Switzerland, Sonia Ancoli-Israel, Joel E. Dimsdale, Paul J. Mills, Brent T. Mausbach, Psychiatry, Michael G. Ziegler, Medicine, Thomas L. Patterson, Igor Grant, Psychiatry, University of California, San Diego*

**66) Abstract 1568**

AGE PREDICTS FASTER HEART RATE RECOVERY FOLLOWING EXPOSURE TO COGNITIVE CHALLENGE

*Olga V. Shcheslavskaya, Ph.D., Psychiatry/Division of Behavioral Medicine, Columbia University Medical Center, New York, NY, Matthew M. Burg, Ph.D., School of Medicine, Yale University, Columbia University, New York, NY, Paula S. McKinley, Ph.D., Psychiatry/Division of Behavioral Medicine, Columbia University Medical Center, New York, NY, Joseph E. Schwartz, Ph.D., School of Medicine, Columbia University, New York, NY, William Gerin, Ph.D., Biobehavioral Health, The Pennsylvania State University, University Park, PA, Carol D. Ryff, Ph.D., Psychology, Institute on Aging and Adult Life, University of Wisconsin-Madison, Madison, WI, Maxine Weinstein, Ph.D., Center for Population and Health, Georgetown University, Washington, DC, Teresa E. Seeman, Ph.D., Geriatrics, Epidemiology, University of California-Los Angeles, Los Angeles, CA, Richard P. Sloan, Ph.D., Psychiatry/Division of Behavioral Medicine, Columbia University Medical Center, New York, NY*

**67) Abstract 1618**

INDEPENDENT ASSOCIATION BETWEEN POOR SLEEP QUALITY AND FATIGUE WITH PLATELET COUNT IN PATIENTS WITH A PREVIOUS VENOUS THROMBOEMBOLIC EVENT

*Paul S. Lukas, Lic. phil., General Internal Medicine, Bern University Hospital, Bern, Bern, Switzerland, René Krummenacher, MD, General Internal Medicine, Bern University Hospital, Zürich, Zürich, Switzerland, Franziska Demarmels Biasutti, MD, Haematology and Central Haematology Laboratory, Stefan Begré, Medical Doctor, Roland von Känel, MD, General Internal Medicine, Bern University Hospital, Bern, Bern, Switzerland*

**68) Abstract 1693**

ERECTILE DYSFUNCTION AND VASCULAR HEALTH AMONG MIDDLE-AGED, CLINICALLY DEPRESSED MEN

*Benson M. Hoffman, PhD, Andrew Sherwood, PhD, Patrick J. Smith, MA, Michael A. Babyak, PhD, P M. Doraiswamy, MD, Department of Psychiatry & Behavioral Sciences, Duke University Medical Center, Durham, NC, Alan Hinderliter, MD, Department of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, NC, James A. Blumenthal, PhD, Department of Psychiatry & Behavioral Sciences, Duke University Medical Center, Durham, NC*

**69) Abstract 1200**

MARITAL STATUS AND HEART RATE VARIABILITY IN PATIENTS WITH SUSPECTED CORONARY ARTERY DISEASE

*Gemma Randall, Msc, Mimi R. Bhattacharyya, MRCP, Andrew Steptoe, DPhil, Epidemiology and Public Health, University College London, London, England*

**70) Abstract 1635**

RELATIONSHIP BETWEEN PSYCHOLOGICAL DISTRESS AND ENDOGENOUS ANTICOAGULANTS IN PATIENTS WITH A VENOUS THROMBOEMBOLIC EVENT

*Paul S. Lukas, Lic. phil., General Internal Medicine, Bern University Hospital, Bern, Bern, Switzerland, René Krummenacher, Medical Doctor, General Internal Medicine, Bern University Hospital,*

Zürich, Zürich, Switzerland, Franziska Demarmels Biasiutti, Medical Doctor, Haematology and Central Haematology Laboratory, Stefan Begré, Medical Doctor, Roland von Känel, MD, General Internal Medicine, Bern University Hospital, Bern, Bern, Switzerland

**71) Abstract 1558**

CARDIAC RESPONSES TO A LABORATORY STRESSOR IN SLEEP APNEA AND HEART FAILURE PATIENTS

Richard A. Nelesen, Ph.D., Psychiatry, Laura Redwine, Ph.D., Medicine, Sara Linke, BA, Joint Doctoral Program, Joel E. Dimsdale, M.D., Paul J. Mills, Ph.D., Psychiatry, University of California, San Diego, La Jolla, CA

**72) Abstract 1570**

THE EFFECTS OF SOCIAL SUPPORT AS A MODERATOR ON COGNITIVE BEHAVIOUR THERAPY FOR PATIENTS WITH AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR

Ana Bilanovic, B.Sc., Jane Irvine, Ph.D., Jill Firestone, Ph.D., Lephuong Ong, Ph.D., Robert Cribbie, Ph.D., Psychology, Sabine Johnson, M.Sc., Kinesiology and Health Science, York University, Toronto, Ontario, Canada, Louise Harris, MD, Doug Cameron, MD, Ann Hill, RN, Clinical Electrophysiology, Toronto General Hospital, Toronto, Ontario, Canada, Paul Dorian, MD, Susan O'Donnell, M.Sc., Cardiology, St. Michael's Hospital, Toronto, Ontario, Canada, Paul Ritvo, Ph.D., Kinesiology and Health Science, York University, Toronto, Ontario, Canada, David Newman, MD, Cardiology, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada, Samuel Sears, Ph.D., Psychology, East Carolina University, Greenville, NC

**73) Abstract 1751**

POTENTIAL PSYCHOSOCIAL AND BEHAVIORAL MEDIATORS IN THE RELATIONSHIP BETWEEN CHILDHOOD SES AND ADULT METABOLIC FUNCTIONING

Todd M. Bear, MPH, Thomas Kamarck, PhD, Psychology, Matthew F. Muldoon, MD, Medicine, Barbara M. Anderson, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

**74) Abstract 1295**

QUALITY OF CARDIAC CARE IN DEPRESSED PATIENTS FOLLOWING MYOCARDIAL INFARCTION: ARE THE EFFECTS OF POST-MI DEPRESSION ON CARDIOVASCULAR PROGNOSIS DUE TO SUB-OPTIMAL CARDIAC CARE?

Jerry van Riezen, Bachelor of Medicine, Psychiatry, University Medical Center Groningen, Groningen, The Netherlands, Peter de Jonge, PhD, Internal Medicine and Psychiatry, University Groningen, Groningen, The Netherlands

**75) Abstract 1625**

THE INFLUENCE OF OPTIMISM, DEPRESSION, AND FATIGUE ON QUALITY OF LIFE IN HEART FAILURE

Ines Pandzic, BS, Medicine, Veterans Medical Research Foundation, San Diego, CA, Laura S. Redwine, PhD, Medicine, VMRF and University of California, San Diego, San Diego, CA, Paul J. Mills, PhD, Suzi Hong, PhD, Psychiatry, University of California San Diego, La Jolla, CA

**76) Abstract 1344**

THE IMPACT OF SEX AND THE METABOLIC SYNDROME ON CARDIOVASCULAR DISEASE (CVD) PROGRESSION

Sandra Favret, Master, Montreal Behavioural Medicine/Psychology/Exercise Sc, Montreal Heart Institute/UQAM/Concordia, Montreal, Québec, Canada, Kim L. Lavoie, PhD., Simon L. Bacon, PhD., André Arsenault, MD, Montreal Behavioural Medicine/Psychology/Exercise Sc, Montreal Heart Institute/UQAM/Concordia, Montreal, Quebec, Canada

**77) Abstract 1349**

RELIGIOUS COPING AND SPIRITUAL WELL-BEING AMONG RECENT IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD) RECIPIENTS

Gina Magyar-Russell, Ph.D., Kellie Cain, BS, Psychiatry and Behavioral Sciences, Joseph Marine, MD, Roy C. Ziegelstein, MD, Medicine, Johns Hopkins School of Medicine, Baltimore, MD

**78) Abstract 1292**

TYPE D PERSONALITY AS A RISK FACTOR FOR DISTRESS AND CLINICAL EVENTS IN MYOCARDIAL INFARCTION PATIENTS TREATED WITH INVASIVE VERSUS NON-INVASIVE THERAPY.

Annelieke M. Roest, MSc, Elisabeth J. Martens, PhD, Medical Psychology, Tilburg University, Tilburg, Brabant, the Netherlands

**79) Abstract 1146**

THE PREVALENCE OF ANXIETY AND DEPRESSION IN PATIENTS WITH IMPLANTABLE CARDIOVERTER DEFIBRILLATORS: A SYSTEMATIC REVIEW OF THE LITERATURE

*Gina Magyar-Russell, Ph.D., Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD, Jennifer X. Cai, BS, Johns Hopkins School of Medicine, Baltimore, MD, Tarun Bavja, BA, All India Institute of Medical Sciences, New Delhi, India, Brett D. Thombs, Ph.D., Psychiatry, McGill University and SMBD-Jewish General Hospital, Montreal, Quebec, Canada, Emily Kuhl, Ph.D., American Psychiatric Association, Arlington, VA, Preet Paul Singh, MD, Internal Medicine, University of Alabama at Birmingham, Birmingham, Alabama, Nivee Amin, MD, Medicine, Columbia University Medical Center, New York, New York, Joseph E. Marine, MD, Roy C. Ziegelstein, MD, Medicine, Johns Hopkins University School of Medicine, Baltimore, MD*

**80) Abstract 1202**

POSTTRAUMATIC STRESS AND ANXIETY SYMPTOMS IN PARTNERS OF PATIENTS FOLLOWING ACUTE CORONARY SYNDROME

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

**81) Abstract 1137**

TIMING OF DEPRESSION AS A PREDICTOR FOR WORSENERD CARDIOVASCULAR PROGNOSIS IN DEPRESSED ACS PATIENTS: A SYSTEMATIC REVIEW

*Marij Zuidersma, Master of Science, Department of Psychiatry, Peter de Jonge, PHD, Departments of Psychiatry and Internal Medicine, University of Groningen, Groningen, The Netherlands*

**82) Abstract 1500**

SHARED VARIANCE AMONG PSYCHOSOCIAL VARIABLES RELATES TO CARDIOVASCULAR RISK MARKERS: A PRELIMINARY STUDY

*Sari D. Holmes, M.S., Kerry S. Whittaker, BA, Heather L. Rogers, PhD, Anna Ghambaryan, M.S., Nadine S. Bekkouche, BS, Kristie M. Harris, BS, Anca Tabakova, MD, Medical and Clinical Psychology, Uniformed Services University, Bethesda, MD, Willem J. Kop, PhD, Cardiology, University of Maryland Medical Center, Baltimore, MD, David S. Krantz, PhD, Medical and Clinical Psychology, Uniformed Services University, Bethesda, MD*

**83) Abstract 1507**

PROGNOSTIC ASSOCIATION OF ANXIETY FOLLOWING MYOCARDIAL INFARCTION WITH MORTALITY AND NEW CARDIOVASCULAR EVENTS: A SYSTEMATIC REVIEW

*Annelieke M. Roest, MSc, Elisabeth J. Martens, PhD, Johan Denollet, PhD, Peter de Jonge, PhD, Psychology and Health, Tilburg University, Tilburg, Brabant, the Netherlands*

**84) Abstract 1133**

DO SUBGROUPS OF DEPRESSED MI PATIENTS DEFINED ON TIMING AND RECURRENCE OF DEPRESSION DIFFER IN THEIR PROFILE OF DEPRESSIVE SYMPTOMS?

*Marij Zuidersma, Master of science, Department of Psychiatry, Peter de Jonge,, Departments of Internal Medicine and Psychiatry, University of Groningen, Groningen, The Netherlands*

**85) Abstract 1203**

DEPRESSIVE SYMPTOMS, CORTISOL AND 6-YEAR CARDIOVASCULAR MORTALITY

*Nicole Vogelzangs, MSc, Aartjan T. Beekman, MD, PhD, Psychiatry, VU University Medical Center, Amsterdam, The Netherlands, Yuri Milaneschi, PSY.D, Tuscany Health Regional Agency, Florence, Italy, Luigi Ferrucci, MD, PhD, Clinical Research Branch, National Institute on Aging, Baltimore, MD, Brenda W. Penninx, PhD, Psychiatry, VU University Medical Center, Amsterdam, The Netherlands*

**86) Abstract 1144**

TYPE D PERSONALITY AND HAEMOGLOBIN LEVELS AT 12-MONTH FOLLOW-UP IN THE CONTEXT OF THE CARDIO-RENAL-ANAEMIA TRIAD IN CHRONIC HEART FAILURE

*Nina Kupper, PhD, Aline J. Pelle, MSc, Medical Psychology, Tilburg University, Tilburg, The Netherlands, Balázs Szabó, MD PhD, Dept. of Cardiology, St. Elisabeth hospital, Tilburg, The Netherlands, Johan Denollet, PhD, Medical Psychology, Tilburg University, Tilburg, The Netherlands*

**87) Abstract 1739**

CROSS-VALIDATION OF THE TYPE D SCALE (DS14) IN TAIWANESE CARDIAC PATIENTS AND HEALTHY CONTROLS

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**88) Abstract 1532**

DAILY PSYCHOSOCIAL DEMANDS ARE ASSOCIATED WITH SIX-YEAR CHANGES IN AMBULATORY BLOOD PRESSURE: THE PITTSBURGH HEALTHY HEART PROJECT  
*Thomas W. Kamarck, Ph.D., Saul Shiffman, Ph.D., Jeanette Garcia, M.S., Psychology, Matthew Muldoon, MD, Medicine, University of Pittsburgh, Pittsburgh, PA*

**89) Abstract 1697**

THE EFFECTS OF ACCULTURATION AND MEXICAN CULTURAL ORIENTATION ON METABOLIC HEALTH OF MEXICAN IMMIGRANTS TO THE U.S.  
*Jill Walker, BS, Patrick Steffen, James Van Dyke, Clinical Psychology, BYU, Provo, UT*

**90) Abstract 1594**

PLASMA RESISTIN, VISFATIN AND LEPTIN CONCENTRATIONS AND GLUCOSE HOMEOSTASIS IN PATIENTS WITH MAJOR DEPRESSIVE DISORDER  
*Wiebke Greggersen, MD, Sebastian Rudolf, MD, Kerstin M. Oltmanns, MD, Eva Fassbinder, MD, Psychiatry, Achim Peters, MD, Internal Medicine, Ulrich Schweiger, MD, Psychiatry, Lubeck University Medical School, Lubeck, Germany*

**91) Abstract 1508**

GLUCOSE TOLERANCE AND COGNITIVE FUNCTION RELATIONS IN NON-DIABETIC OLDER ADULTS  
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**92) Abstract 1337**

DEPRESSIVE SYMPTOMS ARE ASSOCIATED WITH WORSE GLYCEMIC CONTROL AMONG NONDIABETIC OLDER ADULTS  
*Vera K. Tsenkova, MA, Psychology, Burton Singer, PHD, Institute on Aging, Carol D. Ryff, PHD, Psychology, Gayle Love, PHD, Institute on Aging, UW-Madison, Madison, WI*

**93) Abstract 1226**

COGNITIVE DECLINE IN DIABETIC AND CARDIAC PATIENTS: AN ADULT LIFE SPAN STUDY  
*Azizuddin Khan, PhD, Humanities and Social Sciences, Indian Institute of Technology Bombay, India, Mumbai, Maharashtra, India, Ilyas Khan, Ph.D, Psychology, A.M.U, Aligarh, Aligarh, Uttar Pradesh, India*

**94) Abstract 1286**

ACHIEVING AND SUSTAINING GLYCEMIC CONTROL AMONG LATINOS WITH TYPE II DIABETES  
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**95) Abstract 1254**

RATE AND PREDICTORS OF NONCOMPLETION OF PHARMACOTHERAPY FOR DEPRESSION IN ADULTS WITH DIABETES  
*Britt M. Caldwell, MS, Ryan J. Anderson, BA, Psychiatry, Gregory S. Sayuk, MD, Gastroenterology, Billy D. Nix, Patrick J. Lustman, PhD, Psychiatry, Washington University School of Medicine, Saint Louis, Missouri*

**96) Abstract 1418**

PSYCHOLOGICAL FACTORS AND THE METABOLIC CONTROL OF TYPE 1 DIABETES MELLITUS  
*Bianca Andreica, MD, Children Psychiatry, Bogdan Lucian, pre-degree PhD, Simona Cainap, MD, Mariana Andreica, Professor, Pediatrics, Children Clinical Hospital, cluj- napoca, Cluj, Romania*

**97) Abstract 1629**

CONTENT ANALYSIS OF EMOTIONAL DISCLOSURE: CAN ACTIVE FACILITATION ENHANCE THE PROCESS?  
*Lindsay Sander, M.A., Olga Slavin, M.A., Jay Cohen, PhD, Psychology, Lillian Chan, B.A., Nursing, Sharon Im, Psychology/Medicine, Mark Lumley, PhD, Psychology, Wayne State Univ., Detroit, MI*

**98) Abstract 1204**

MORNINGNESS-EVENINGNESS IS RELATED TO EXHAUSTION AND TYPE D PERSONALITY CHARACTERISTICS BUT NOT TO ALLOSTATIC LOAD  
*Silja Bellingrath, PhD, Brigitte M. Kudielka, PhD, Jacobs Center on Lifelong Learning, Jacobs University Bremen, Bremen, Germany*

**99) Abstract 1127**

JOB STATUS, BURNOUT, AND WAKING CORTISOL LEVELS: EVIDENCE FROM THE PENN STATE HOTEL WORK AND WELL-BEING STUDY

*Kimberly N. Walter, BSN, Jeanette M. Bennett, MS, Courtney A. Whetzel, PhD, Biobehavioral Health, Kelly D. Davis, PhD, David M. Almeida, PhD, Human Development and Family Studies, Laura C. Klein, PhD, Biobehavioral Health, The Pennsylvania State University, University Park, PA*

**100) Abstract 1419**

DAILY SPIRITUAL EXPERIENCES IN A BIRACIAL, COMMUNITY-BASED POPULATION OF OLDER ADULTS

*George Fitchett, PhD, Religion, Health, and Human Values, Kimberly A. Skarupski, PhD, Denis A. Evans, MD, Carlos F. Mendes de Leon, PhD, Rush Institute for Healthy Aging, Rush University Medical Center, Chicago, Illinois*

**101) Abstract 1562**

THE DIFFERENTIAL IMPACT OF AGE, GENDER, AND HERITABILITY ON DHEA AND DHEA-S

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**102) Abstract 1283**

PHYSICAL ACTIVITY AND ITS EFFECTS ON VITALITY AMONG OLDER ADULTS

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**103) Abstract 1620**

EXECUTIVE ABILITIES AS DETERMINANTS OF PHYSICAL ACTIVITY BEHAVIOR OVER THE LIFESPAN.

*Peter A. Hall, Ph.D., Kinesiology & Psychology, University of Waterloo, Waterloo, Ontario, Canada*

**104) Abstract 1423**

DAILY HASSLES IN CIGARETTE SMOKERS PREPARING TO QUIT SMOKING

*Ryan J. Stachowiak, BA, Psychiatry, Dingcai Cao, PhD, Health Studies, Andrea C. King, PhD, Psychiatry, University of Chicago, Chicago, IL*

**105) Abstract 1497**

EMPIRICAL COMPARISON OF NEW PROPOSALS FOR THE CLASSIFICATION OF SOMATOFORM DISORDERS

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**106) Abstract 1627**

DEPRESSION MORE THAN HOSTILITY RELATES TO SUBJECTIVE INDICES OF PHYSICAL FUNCTIONING IN HEALTHY OLDER MEN AND WOMEN

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**107) Abstract 1271**

IMPROVING MEDICAL COMMUNICATION WITH CHRONIC PATIENTS INCREASES THE SATISFACTION OF THE PATIENTS

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**108) Abstract 1277**

EARLY LIFE FAMILY BONDING: ITS INFLUENCE ON DAILY CORTISOL OUTPUT

*Alvin Lim, BSc, Hope A. Walker, BSc, Psychology, Jasmen Sze, BSc, Medicine, Edith Chen, PhD, Gregory E. Miller, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada*

**109) Abstract 1565**

GENDER DIFFERENCES: TRAUMA WRITING IN INDIVIDUALS WITH PTSD SYMPTOMS AND HIV

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

**110) Abstract 1014**

AN EMPIRICAL TEST OF ECODEVELOPMENTAL THEORY IN PREDICTING HIV RISK BEHAVIORS AMONG HISPANIC YOUTH

*Frank C. Bandiera, MPH, Guillermo Prado, PhD, Hilda Pantin, PhD, Shi Huang, PhD, Epidemiology and Public Health, University of Miami, Miami, FL*

**111) Abstract 1743**

ATTENUATED CORTISOL AND ALPHA-AMYLASE RESPONSIVENESS TO ACUTE STRESS IN FEMALE PATIENTS WITH BORDERLINE PERSONALITY DISORDER

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**112) Abstract 1113**

DEPRESSION, ANXIETY DISORDERS, AND RISK OF INCIDENT HEART DISEASE IN A NATIONAL COHORT OF VETERANS ADMINISTRATION PATIENTS BETWEEN 40-60 YEARS OF AGE

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**113) Abstract 1357**

AGE-RELATED FREQUENCY OF SYMPTOM EXPRESSION IN PRIMARY CARE WOMEN WITH PRE-MENSTRUAL DYSPHORIC DISORDER

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**114) Abstract 1281**

PROSPECTIVE INVESTIGATION OF AUTONOMIC NERVOUS SYSTEM FUNCTION AND RESTING ENERGY EXPENDITURE IN PATIENTS WITH ANOREXIA NERVOSA

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**115) Abstract 1024**

INCREASED CARDIOVASCULAR REACTIVITY TO ACUTE MENTAL CHALLENGE IN INDIVIDUALS WITH DEPRESSION

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**116) Abstract 1210**

PAST DEPRESSION AND CURRENT SLEEP PROBLEMS IN MIDLIFE WOMEN

*Joyce T. Bromberger, PhD, Epidemiology, Yue-fang Chang, PhD, Medicine, Daniel J. Buysse, MD, Karen A. Matthews, PhD, Jane F. Owens, DrPH, Martica Hall, PhD, Psychiatry, Mark Sanders, MD, University of Pittsburgh, Pittsburgh, PA, Howard Kravitz, DO, Psychiatry and Preventive Medicine, Rush University Medical Center, Chicago, IL, MaryFran Sowers, PhD, Epidemiology, University of Michigan, Ann Arbor, MI, Kimberly Hardin, MD, Internal Medicine, University of California Davis, Sacramento, CA*

**117) Abstract 1564**

NICOTINIC RECEPTOR GENETIC VARIANT INTERACTS WITH SMOKING HISTORY ON DIMENSIONAL LIABILITY FOR MAJOR DEPRESSION

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**118) Abstract 1280**

EXPLORING BIOLOGICAL, PSYCHOSOCIAL AND BEHAVIORAL DETERMINANTS OF ADOLESCENT OBESITY

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**119) Abstract 1754**

**SALIVARY GROWTH FACTORS AND RISK FACTORS FOR IMPAIRED MUCOSAL HEALING**

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**120) Abstract 1747**

**THE ROLE OF PERSONALITY IN CHRONIC FATIGUE SYNDROME: FINDINGS FROM A POPULATION-BASED STUDY**

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**121) Abstract 1624**

**THE COST OF CARE: BIOPSY OUTCOMES IN DELUSIONAL PARASITOSIS**

Jessica E. Bury, B.A., J. Michael Bostwick, M.D., Psychiatry, Mayo Clinic, Mayo Medical School, Rochester, MN

**122) Abstract 1356**

**FOOD CONSUMPTION AFTER A DIET VIOLATION: DISINHIBITION OR COMPENSATION?**

A. Janet Tomiyama, M.A., Psychology, University of California, Los Angeles, CA, Ashley Moskovich, B.A., Psychology, Duke University, Durham, NC, Kate E. Byrne Haltom, B.A., Psychology, University of California, Los Angeles, CA, Tiffany E. Ju, B.A., Psychology, University of Southern California, Los Angeles, CA, Traci Mann, Ph.D., Psychology, University of Minnesota, Minneapolis, MN

**123) Abstract 1415**

**WITHIN PERSON VARIABILITY IN ACTIGRAPHY MEASURES OF SLEEP ACROSS NINE NIGHTS IS ASSOCIATED WITH STRESSFUL LIFE EVENTS AND POOR SUBJECTIVE SLEEP QUALITY**

Elizabeth J. Mezick, M.S., Psychology, Karen A. Matthews, Ph.D., Martica Hall, Ph.D., Psychiatry, Thomas W. Kamarck, Ph.D., Psychology, Jane F. Owens, Dr.PH, Daniel J. Buysse, MD, Psychiatry, Patrick J. Strollo, MD, Medicine, Steven E. Reis, MD, Cardiovascular Institute, University of Pittsburgh, Pittsburgh, PA

**124) Abstract 1016**

**THE IMPACT OF SENSE OF SELF CONSCIOUSNESS AND LOW SELF ESTEEM TO QUALITY OF LIFE IN ACNE PATIENT**

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**125) Abstract 1551**

**FAMILY DYSFUNCTION MEASURED USING THE GENOGRAM AND DERMATOLOGICAL CONDITIONS**

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**126) Abstract 1421**

**TARGETED EFFORTS TO ADDRESS BLOOD DONOR FEARS AND PROVIDE COPING SUGGESTIONS MAY ENHANCE DONOR RECRUITMENT**

Christopher R. France, PhD, Janis L. France, PhD, Jennifer M. Kowalsky, BS, Tanay L. Cornett,., Psychology, Ohio University, Athens, Ohio

**127) Abstract 1498**

**ASSESSMENTS OF MATERNAL CORTISOL AWAKENING RESPONSES AND DIURNAL CORTISOL PROFILES OVER A MULTIPLE-DAY PERIOD PREDICT LENGTH OF GESTATION**

Sonja Entringer, Ph.D., Claudia Buss, Ph.D., Judith E. Andersen, Ph.D., Psychiatry and Human Behav-

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ior, University of California, Irvine, Orange, CA, Aleksandra Chicz-DeMet, Ph.D., Psychiatry and Human Behavior, University of California, Irvine, Irvine, CA, Curt A. Sandman, Ph.D., Psychiatry and Human Behavior, University of California, Irvine, Orange, CA, Pathik D. Wadhwa, Ph.D., Psychiatry and Human Behavior, University of California, Irvine, Irvine, CA

**128) Abstract 1354**

DYNAMIC DYSREGULATION OF PRO- AND ANTI-INFLAMMATORY SIGNALING PATHWAYS IN CAREGIVERS OF BRAIN CANCER PATIENTS

Nicolas Rohleder, PhD, Psychology, Brandeis University, Waltham, MA, Teresa J. Marin, MA, Gregory E. Miller, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

**129) Abstract 1563**

RELATIONSHIP BETWEEN ANXIETY SENSITIVITY AND ASTHMA TRIGGERS

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**130) Abstract 1008**

COMORBIDITY AMONG OBESITY, ASTHMA AND DEPRESSION AND THEIR RELATIONSHIP WITH HEALTH OUTCOMES

Frank C. Bandiera, MPH, David J. Lee, PhD, Lora E. Fleming, MD PhD, Kristopher Arheart, EdD, Epidemiology and Public Health, Neil Schneiderman, PhD, Psychology, Adam Wanner, MD, Respiratory and Critical Care Medicine, University of Miami, Miami, FL

**131) Abstract 1436**

THE IMPACT OF PANIC DISORDER ON DYSPNEA PERCEPTION IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE

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

**132) Abstract 1078**

THE EFFECT OF SUBSTANCE USE/ABUSE ON SLEEP-DISORDERED BREATHING AND CONTINUOUS POSITIVE AIRWAY PRESSURE COMPLIANCE

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**133) Abstract 1731**

SENSITIVENESS IN CYSTIC FIBROSIS PATIENTS ASSESSED BEFORE LUNG TRANSPLANTATION PREDICTS POST-OPERATIVE MORTALITY AND INFECTIOUS EPISODES

Silla M. Consoli, PhD, Olivier COTTENCIN, PhD, Sylvie PUCHEU, PhD, Sonia POYDENOT, PhD, CL-Psychiatry, Redah SOUILAMAS, PhD, Jean-Noel FABIANI, PhD, Cardiovascular Surgery, Georges Pompidou European Hospital, Paris, France

**134) Abstract 1769**

STRUCTURE AND PSYCHOMETRIC PROPERTIES OF AN INDONESIAN VERSION OF THE ASTHMA TRIGGER INVENTORY

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**135) Abstract 1027**

CARDIOVASCULAR REACTIONS TO ACUTE PSYCHOLOGICAL STRESS AND SMOKING STATUS IN A LARGE COMMUNITY SAMPLE

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**136) Abstract 1753**

ADIPOSIITY, BODY IMAGE, AND STRESS: USING A BIOPSYCHOSOCIAL APPROACH TO INVESTIGATE CARDIOVASCULAR DISEASE RISK

Kristi E. White, B.A., Kristen Salomon, Ph.D., William P. Sacco, Ph.D., Psychology, University of South Florida, Tampa, FL

**137) Abstract 1682**

SUBJECTIVE SOCIAL STATUS AND PSYCHOSOCIAL VULNERABILITY IN MIDDLE-AGED AND OLDER COUPLES

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

**138) Abstract 1502**

RESPIRATORY SINUS ARRHYTHMIA AND REGULATORY DEFICITS ASSOCIATED WITH DEPRESSION

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**139) Abstract 1696**

THE MODULATION OF THE VAGAL ACTIVITY AND BRAIN ACTIVITY REFLECTING PERFORMANCE MONITORING

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**140) Abstract 1692**

THE EFFECTS OF DIETARY FAT ON CARDIOVASCULAR REACTIVITY AND RECOVERY TO STRESS

*Anthony W. Austin, M.A., Stephen M. Patterson, PhD, Jennifer M. Kowalsky, BA, BS, Psychology, Raymond J. Arrequin, Jr., BS, Physical Therapy, Ohio University, Athens, OH*

**141) Abstract 1690**

THE ASSOCIATION OF METABOLIC RISK WITH FLUID AND CRYSTALLIZED COGNITIVE FUNCTION ACROSS ADULT LIFESPAN

*Martin Sliwinski, PhD, Joshua Smyth, PhD, Psychology, Syracuse University, Syracuse, NY*

**142) Abstract 1680**

THE ROLES OF PERCEIVED STRESS AND PERSEVERATIVE COGNITION ON COGNITIVE HEALTH ACROSS THE ADULT LIFESPAN

*Martin J. Sliwinski, PhD, Joshua Smyth, PhD, Jacqui Mogle, MA, Psychology, Syracuse University, Syracuse, NY, Robert Stawski, PhD, Human Development and Family Studies, Penn State University, University Park, PA*

**143) Abstract 1561**

AN ANIMAL MODEL TO EXPLORE THE EFFECTS OF SOCIAL STATUS AND SOCIAL GRADIENT ON STRESS HORMONE LEVELS, COGNITIVE MEASURES, AND DEPRESSIVE BEHAVIOR

*Katherine B. Saxton, MPH, Epidemiology, Matthew W. Reid, BA, Psychology, Vistara Voss,, Integrative Biology, Filomene Morrison,, Molecular and Cell Biology, University of California Berkeley, Berkeley, CA, Sarah Reingold,, Psychology, Bates College, Lewiston, ME, Darlene Francis, PhD, Public Health, Psychology, Neuroscience, University of California Berkeley, Berkeley, CA*

**144) Abstract 1427**

EXAMINING THE RELATIONSHIP BETWEEN EMOTION REGULATION AND FRONTALIS EMG RESPONSES TO NEGATIVELY VALENCED FILMS IN AFRICAN-AMERICAN FEMALES

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**145) Abstract 1626**

SPECIFYING THE DETERMINANTS OF CONCURRENT AND RETROSPECTIVE SYMPTOM REPORTS: THE ROLES OF ANXIETY AND DEPRESSION

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**146) Abstract 1030**

CLINICAL REASONING IN PHYSICIANS TRAINED IN A BIOPSYCHOSOCIAL APPROACH TO THE PATIENT AND IN PHYSICIANS NOT SO TRAINED

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**147) Abstract 1422**

DEPRESSION AND PLATELET ACTIVATION IN PATIENTS WITH STABLE CORONARY HEART DISEASE: FINDINGS FROM THE HEART AND SOUL STUDY

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**148) Abstract 1367**

HPA-AXIS FUNCTION IN A LARGE COHORT OF SUBJECTS WITH AND WITHOUT ANXIETY AND DEPRESSIVE DISORDERS

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**149) Abstract 1429**

DEPRESSIVE SYMPTOMS AND OMEGA-3 FATTY ACIDS: DATA FROM THE HEART AND SOUL STUDY

*Sadia Ali, MD, MPH, Sachin K. Garg, BA, Beth E. Cohen, MD, MAS, Prashant Bhawe, MD, William S. Harris, PhD, Mary A. Whooley, MD, University of California, San Francisco, CA*

**150) Abstract 1366**

IS AUTONOMIC NERVOUS SYSTEM FUNCTION DIFFERENT FOR SUBJECTS WITH DEPRESSIVE OR ANXIETY DISORDERS? RESULTS FROM A LARGE COHORT STUDY

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**151) Abstract 1453**

DEPRESSION AND INFLAMMATION IN PATIENTS WITH ACUTE AND STABLE CORONARY ISCHEMIA: A META-ANALYSIS

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**152) Abstract 1698**

UNFAIR TREATMENT PREDICTS NIGHTTIME AMBULATORY BLOOD PRESSURE IN AFRICAN AMERICAN ADOLESCENTS

*Danielle L. Beatty, Ph.D., Karen A. Matthews, Ph.D., Psychiatry, University of Pittsburgh, PA*

**153) Abstract 1702**

DISCRIMINATION AND CARDIOVASCULAR REACTIVITY TO INTERPERSONAL INCIVILITY

*Kristen Salomon, Ph.D., Nicole E. Jaguszyn, M.A., Tebeth Emmons, B.A., Erin Jackson, M.A., Psychology, University of South Florida, Tampa, FL*

**154) Abstract 1701**

DAILY UNFAIR TREATMENT PREDICTS MASKED HYPERTENSION IN A COMMUNITY SAMPLE OF BLACK AND LATINO(A) ADULTS

*Antoinette Schoenthaler, Ed.D., Internal Medicine, New York University School of Medicine, New York, NY, Jonathan N. Tobin, PhD, Andrea Cassells, MPH, Clinical Directors Network, Inc., NY, NY, Elizabeth Brondolo, PhD, Psychology, St. John's University, Jamaica, NY, Joseph Schwartz, PhD, Psychiatry and Behavioral, Stony Brook University, Stony Brook, NY*

6:30 - 7:30 pm

**MENTOR/MENTEE RECEPTION**

*Denver/Houston/Kansas City Room*

Mentor and Mentee participants who have registered for this program are invited to network at this reception. You must have registered to participate, but please see the APS Registration Desk to learn if there are still openings for this program.

7:30 pm

**PAST LEADERS DINNER**

*by invitation only*

All past leaders of the Society are invited to this dinner. Please visit the APS Registration Desk to RSVP if you haven't already done so.

8:00 pm

**STUDENT DINNER**

Students and trainees are invited to join with their colleagues to enjoy an informal evening at **Boston Blackie's**. Please visit the APS Student/Trainee Lounge for more information.

## Friday, March 6, 2009

6:00 - 6:30 am	<p><b>YOGA</b></p> <p>Bring your mat to join meeting delegates at a self-directed yoga session - start your day the right way!</p>	<i>McHenry Room</i>
7:00 am - 5:00 pm	<b>REGISTRATION</b>	<i>Chicago Ballroom Foyer</i>
7:00 am - 6:00 pm	<b>STUDENT LOUNGE</b>	<i>Chicago Ballroom H</i>
7:00 - 8:00 am	<p><b>ROUNDTABLE BREAKFAST MEETINGS</b></p> <p><b>Hypnosis in Medical Research Roundtable</b></p> <p><i>Facilitator: Jeanne Hernandez, PhD</i></p> <p>This roundtable discussion will center around the use of hypnosis as a treatment form in medicine and the research strategies for studying it. Brain studies of late have furthered the understanding of how and why hypnosis helps with pain and symptom management, and the literature of late outlines the strategies to effectively compare hypnosis to other treatments. Training opportunities may also be discussed.</p> <p><b>Going on the Academic Job Market Roundtable: Advice from Recent Hires</b></p> <p><i>Facilitators: Sarah Pressman, PhD; Sally Dickerson, PhD; and Nick Rohleder, PhD</i></p> <p>This roundtable will provide trainees with information on how to search for and secure a job in academia. Several young faculty members who have taken different approaches to securing their assistant professor positions will be available to discuss a variety of issues such as the job search, the application process, the job talk, spouse/partner issues and job negotiation.</p>	<p><i>Denver Room</i></p> <p><i>Houston Room</i></p>
8:00 - 8:50 am	<p><b>CONCURRENT SESSIONS</b></p> <p><b>Paper Session: Asthma, Stress and Inflammation</b></p> <p><i>Chair: Kim Lavoie, PhD</i></p> <p><b>Abstract 1082</b></p> <p>EFFECTS OF PARENT VERSUS CHILD ASTHMA SELF-EFFICACY ON INFLAMMATORY PROFILES OVER TIME IN CHILDREN WITH ASTHMA</p> <p><i>Jutta M. Wolf, PhD, Psychology, Brandeis University, Waltham, MA, Meanne Chan, BA, Edith Chen, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada</i></p> <p><b>Abstract 1438</b></p> <p>CHRONIC FAMILY STRESS ACCENTUATES THE IMPACT OF ACUTE STRESS ON INFLAMMATORY PROCESSES IN CHILDREN WITH ASTHMA</p> <p><i>Teresa J. Marin, MA, Edith Chen, PhD, Jennifer A. Munch, BA, Gregory E. Miller, PhD, Psychology, University of British Columbia, Vancouver, British Columbia, Canada</i></p> <p><b>Abstract 1240</b></p> <p>NEUROTICISM, EXTRAVERSION, STRESSFUL LIFE EVENTS AND ASTHMA: A COHORT STUDY OF MIDDLE-AGED ADULTS</p> <p><i>Adrian Loerbroks, MSc, Mannheim Institute of Public Health, University of Heidelberg, Mannheim, Germany, Christian J. Apfelbacher, PhD, Department of Clinical Social Medicine, University Hospital Heidelberg, Heidelberg, Germany, Julian F. Thayer, PhD, Mannheim Institute of Public Health, University of Heidelberg, Mannheim, Germany, Desiree Debling, PhD, German Childhood Cancer Registry at the IMBEI, University of Mainz, Mainz, Germany, Til Stürmer, MD, MPH, Epidemiology, UNC Gillings School of Global Public Health, Chapel Hill, NC</i></p>	<i>Chicago Ballroom F-G</i>

**Paper Session: Functional Somatic Syndromes**

*Los Angeles/Miami Room*

*Chair: Urs Nater, PhD*

**Abstract 1442**

EFFECT OF THERAPEUTIC GUIDELINE INCLUDING PSYCHOSOMATIC APPROACH ON IRRITABLE BOWEL SYNDROME: A RANDOMIZED CONTROLLED TRIAL

*Shin Fukudo, MD, PhD, Behavioral Medicine, Tohoku University Graduate School of Medicine, Sendai, Japan, IBS Club,, Research Group of IBS, IBS Club, Tokyo, Japan*

**Abstract 1049**

CHRONIC FATIGUE SYNDROME: ILLNESS SEVERITY, SEDENTARY LIFESTYLE, BLOOD VOLUME AND CARDIAC STRUCTURE AND FUNCTION

*Virginia T. Coryell, M.S., Barry E. Hurwitz, Ph.D., Meela Parker, CCT, RDCS, Pedro Martin, M.D., Psychology, Arthur LaPerriere, Ph.D., Psychiatry & Behavioral Sciences, University of Miami, Coral Gables, FL, Nancy G. Klimas, M.D., George N. Sfakianakis, M.D., Martin S. Bilsker, M.D., Medicine, University of Miami, Miami, FL*

**Abstract 1376**

THE NEUROBIOLOGY OF SOMATOFORM DISORDERS: A SYSTEMATIC REVIEW OF THE NEUROIMAGING STUDIES

*David A. Lovas, MD, Psychiatry, Harvard Medical School, Cambridge, MA*

9:00 - 9:45 am

**PATRICIA R. BARCHAS AWARD LECTURE**

*Chicago Ballroom A-D*

**Back to the Future: Returning the Social to Sociophysiology**

*Chair: Karen Matthews, PhD*

*Presenter: George A. Kaplan, PhD*

As our knowledge of the social patterning of disease and well-being expands, so has our understanding of the myriad ways in which social factors get “under the skin.” Using socioeconomic inequalities in health as an example, I will review some of the work of my colleagues and myself over the last few decades that shows an ever-expanding palette of biological pathways that link “social divides” with “health divides” and their intermediate biological pathways. I will sketch out a multi-level perspective that allows us to think about the numerous processes “outside the skin” that structure risk and opportunity, and illustrate with some examples how the “outside” links to the “inside.”

9:45 - 10:00 am

**BREAK**

10:00 - 11:30 am

**INVITED PLENARY SYMPOSIUM**

*Chicago Ballroom A-D*

**Midlife: A New Beginning or the Beginning of the End?**

*Chair: Rebecca Thurston, PhD*

*Presenters: Karen A. Matthews, PhD and Carol Ryff, PhD*

Midlife has variously been characterized as a time of stasis, a time of crisis, or a time of generativity and well-being. However, research on midlife as a developmental transition has traditionally been limited. Recent findings from large longitudinal investigations have begun to shed light on these differing characterizations of midlife.

**\* Mid-life Aging in Women: Lessons from the Study of Women’s Health across the Nation**

*Karen A. Matthews PhD*

The Study of Women’s Health across the Nation (SWAN) is an observational study of mid-life aging in over 3200 women at 7 sites and of 5 different ethnic groups (African Americans, Japanese, Chinese, Hispanics, and European Caucasian). Begun in 1995, SWAN is tracking biological, social, and psychological changes in women who were all premenopausal, not using hormone therapy, and between the ages of 42-52 years at study entry. Women have been followed annually thereafter. In this talk, I will describe several lessons we have learned from the SWAN women. First, there are substantial ethnic differences in mid-life aging, many of which are inextricably intertwined with body size. These ethnic differences are apparent for cardiovascular risk factors, bone density and metabolism, and ovarian aging. Second, mid-life is time for the onset of “silent” disease for some women, including subclinical cardiovascular disease. Third, already in mid-life, some women are experiencing physical disabilities that reduce their quality of life. On the other hand, other women are remarkably healthy and feel that they are better off now than they were a decade earlier. Taken together, SWAN data are providing a complex, multifaceted portrait of mid-life aging in American women.

**\* The MIDUS (Midlife in the U.S.) National Study: Implementing a Biopsychosocial Approach to Health**

*Carol D. Ryff, PhD*

MIDUS is a national study focused on the health and well-being of Americans in midlife. It was begun in 1995 with over 7,000 Americans (aged 25 to 74) who were interviewed extensively about psychological and social aspects of their lives and health. In 2004, a longitudinal follow-up was initiated that also included detailed biological and neuroscience assessments. The overarching objective of the study is to track unfolding trajectories of health as the product of multiple interacting influences (biological, psychological, social). Following a brief overview of the study and key areas of research within it, I will present findings from the MIDUS II data on two targeted topics. The first pertains to whether midlife (compared to early adulthood or old age) is characterized primarily by gains or losses in psychological well-being, including among individuals of differing educational levels. The second addresses links between longitudinal trajectories of well-being and health, including biological regulation, broadly defined. The key question of interest in the latter is whether persistently high well-being over time is protective of better health, including among those lacking educational advantage.

11:30 am - 12:45 pm

**ROUNDTABLE LUNCHES/ COMMITTEE MEETINGS (OR LUNCH ON YOUR OWN)**

**Recent Advances in Midlife and Lifecourse Developmental Research Roundtable**

*Denver Room*

*Facilitators: Carol Ryff, PhD; Karen A. Matthews, PhD; and Rebecca Thurston, PhD*

The facilitators will take part in an interactive discussion touching upon several important topics in midlife and lifecourse developmental research. Emphasis will be placed on taking a lifecourse perspective on conceptualizing commonly-investigated health outcomes, with particular attention to the interface between social, economic, psychological, and physiologic processes in determining health outcomes over time. The goal of this roundtable luncheon is to provide a forum for a follow-up discussion to the plenary presentations, to facilitate a cross-disciplinary discussion, and to generate new ideas and encourage collaboration among individuals with complimentary interests and skills.

**"Lab to Market" Dissemination of Evidence-Based Behavioral Interventions through Commercialization of Translational Research Roundtable**

*Houston Room*

*Facilitators: Steven Locke, MD; Redford Williams, MD; and Kurt Kroenke, MD*

The current worldwide financial crisis underscores the importance of reducing future health costs through delivering value through prevention, improvements in the quality of care, and reductions in cost. How does this economic reality inform psychosomatic medicine practice and research? Clinical research in psychosomatic medicine will only lead to the development of successful population health management interventions if they can be shown to be *clinically effective, cost-effective, and capable of commercialization*. Translational research is only a step on the path to dissemination. For an intervention to have an impact on a population it must be commercialized to achieve meaningful penetration into the healthcare market. This requires partnerships between clinical researchers and individuals with business expertise and often requires start-up capital as well. Barriers to successful migration of interventions from the lab to the market include the lack of professional role models who have successfully navigated the delicate balance between the values, principals, and strategies of science and those of business. This lunch will provide an opportunity for participants to hear the personal stories of successful entrepreneurs in psychosomatic and behavioral medicine - individuals with outstanding academic credentials and professional achievements who have taken the plunge into the world of SBIR grants, intellectual property, patents, license agreements, venture capital, and hannel development. Speakers will include internationally-respected clinical researchers and academic leaders at various stages of maturity in their business development efforts. They will discuss the challenges and opportunities of their exploration of the interface between psychosomatic medicine and business and provide guidance to participants who are contemplating such a move themselves.

**Patient Reported Outcomes Measurement Information System (PROMIS) Roundtable**

*Kansas City Room*

*Facilitator: Susan Yount, PhD*

PROMIS is an NIH Roadmap project to develop, validate and standardize the assessment of common symptoms and self-reported function in people participating in clinical research. After calibrating 11 item banks using general US population samples, including healthy people and those with a wide array of chronic health conditions, we are now testing these item banks and associated measurement tools longitudinally in defined clinical populations with cancer, COPD, depression, back pain and arthritis. In addition, we are formally evaluating mode of administration effects and producing brief static and dynamic assessment options for collaborators outside of the PROMIS network.

12:45 - 2:15 pm

**CONCURRENT SESSIONS**

**Symposium 1718: Race, Psychosocial Stress and Inflammatory Markers**

**Chicago Ballroom A-C**

*Chair: Tené T. Lewis, PhD*

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

**Individual Abstract Number: 1721**

**SOCIAL CORRELATES OF PSYCHOSOCIAL STRESS: THE INTERSECTION OF RACE AND AGE**

*David R. Williams, PhD, Mahasin S. Mujahid, PhD, Natalie Slopen, MA, Department of Society, Human Development and Health, Harvard School of Public Health, Boston, MA, Tené T. Lewis, PhD, Epidemiology & Public Health, Yale University School of Medicine, New Haven, CT, Carol D. Ryff, PhD, Psychology, University of Wisconsin, Madison, Wisconsin, Madison, Burton H. Singer, PhD, Demography and Public Affairs, Princeton, Princeton, New Jersey*

**Individual Abstract Number: 1723**

**PSYCHOSOCIAL STRESSORS AND E-SELECTIN: ARE ASSOCIATIONS STRONGER IN AFRICAN-AMERICANS COMPARED TO WHITES?**

*Tené T. Lewis, PhD, Epidemiology & Public Health, Yale University School of Medicine, New Haven, CT, Tara Gruenewald, PhD, Medicine, UCLA, Los Angeles, CA, Natalie Slopen, MA, Mahasin Mujahid, PhD, Department of Society, Human Development and Health, Harvard School of Public Health, Boston, MA, Carol D. Ryff, PhD, Psychology, University of Wisconsin, Madison, Madison, Wisconsin, Burton H. Singer, PhD, Demography and Public Affairs, Princeton, Princeton, New Jersey, David R. Williams, PhD, Department of Society, Human Development and Health, Harvard School of Public Health, Boston, MA*

**Individual Abstract Number: 1733**

**EARLY LIFE STRESSORS AND INFLAMMATION: ARE ASSOCIATIONS STRONGER IN AFRICAN-AMERICANS COMPARED TO WHITES?**

*Natalie Slopen, MA, Department of Society, Human Development and Health, Harvard School of Public Health, Boston, MA, Tené T. Lewis, PhD, Epidemiology & Public Health, Yale University School of Medicine, New Haven, CT, Tara Gruenewald, PhD, Medicine, UCLA, Los Angeles, CA, Mahasin S. Mujahid, PhD, Department of Society, Human Development and Health, Harvard School of Public Health, Boston, MA, Carol D. Ryff, PhD, Psychology, University of Wisconsin, Madison, Madison, Wisconsin, Burton H. Singer, PhD, Demography and Public Affairs, Princeton, Princeton, New Jersey, David R. Williams, PhD, Department of Society, Human Development and Health, Harvard School of Public Health, Boston, MA*

**Individual Abstract Number: 1734**

**NEIGHBORHOOD SOCIOECONOMIC STATUS AND INFLAMMATORY PROCESSES IN AFRICAN-AMERICANS**

*Mahasin S. Mujahid, PhD, David R. Williams, PhD, Department of Society, Human Development and Health, Harvard School of Public Health, Boston, MA, Tené T. Lewis, PhD, Epidemiology & Public Health, Yale University School of Medicine, New Haven, CT, Natalie Slopen, MA, Department of Society, Human Development and Health, Harvard School of Public Health, Boston, MA, Carol D. Ryff, PhD, Psychology, University of Wisconsin, Madison, Madison, Wisconsin, Burton H. Singer, PhD, Demography and Public Affairs, Princeton, Princeton, New Jersey*

**Symposium 1025: Putting GI back into APS!**

**Chicago Ballroom D**

*Chair: Leighann Litcher-Kelly, PhD*

*Maida J. Sewitch, PhD, Medicine, McGill University, Montreal, Quebec, Canada, Leighann Litcher-Kelly, PhD, Psychiatry and Behavioral Sciences, Stony Brook University, Stony Brook, NY, Robert G. Maunder, MD, Psychiatry, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada, Gabriele Moser, Professor, Internal Medicine, Gastroenterology, Medical University of Vienna, Austria, Vienna, Austria, Laurie Keefer, PhD, Gastroenterology, Northwestern University Feinberg School of Medicine, Chicago, IL, Douglas A. Drossman, MD, Medicine and Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, NC*

**Individual Abstract Number: 1263**

EFFECT OF PSYCHOSOCIAL FACTORS ON REFERRALS FOR AND ADHERENCE TO COLORECTAL CANCER SCREENING

*Maida J. Sewitch, PhD, Medicine, Martin Dawes, MD, Mark Yaffe, MD, Mark Roper, MD, Family Medicine, McGill University, Montreal, Quebec, Canada*

**Individual Abstract Number: 1664**

TEMPORAL RELATIONSHIP BETWEEN SELF-REPORTED STRESS AND SYMPTOMS IN PATIENTS WITH CROHN'S DISEASE (CD) UNDERGOING REMICADE TREATMENT

*Leighann Litcher-Kelly, Ph.D., Psychiatry and Behavioral Sciences, Stony Brook University, Stony Brook, NY*

**Individual Abstract Number: 1176**

INTERPERSONAL DETERMINANTS OF THE COURSE OF ULCERATIVE COLITIS: THE IMPACT OF ATTACHMENT INSECURITY ON SYMPTOMS OF COLITIS AND ILLNESS INTRUSIVENESS

*Robert G. Maunder, MD, Psychiatry, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada, A H. Steinhart, MD, G R. Greenberg, MD, M Silverberg, MD, Medicine, Mount Sinai Hospital and University of Toronto, Toronto, Ontario, Canada*

**Individual Abstract Number: 1149**

SUBJECTIVE NEED FOR AND THE USE OF PSYCHOLOGICAL INTERVENTIONS IN PATIENTS WITH INFLAMMATORY BOWEL DISEASE (IBD) - A 14 YEAR FOLLOW UP STUDY

*Gabriele Moser, Professor, Internal Medicine, Gastroenterology, Medical University of Vienna, Austria, Vienna, Austria, Austria, Wolfgang Miehsler, MD, Gastroenterology, Sibylle Praetorius, Internal Medicine, Medical University of Vienna, Vienna, Austria, Austria*

**Individual Abstract Number: 1088**

A PRELIMINARY REPORT FROM THE ULCERATIVE COLITIS RELAPSE PREVENTION TRIAL (UCRPT)

*Laurie Keefer, PhD, Gastroenterology, Northwestern University Feinberg School of Medicine, Chicago, IL, Jennifer L. Zinke, PhD, Tiffany H. Taft, MS, Gastroenterology, Northwestern University, Feinberg School of Medicine, Chicago, IL, Terrence A. Barrett, MD, Gastroenterology, Northwestern University Feinberg School of Medicine, Chicago, IL*

**Paper Session: HPA Axis I**

**Chicago Ballroom F-G**

*Chair: Redford B. Williams, MD*

**Abstract 1241**

CIRCADIAN ENDOCRINE CORTISOL SECRETION, STRESS RESPONSES AND AUTONOMIC NERVOUS SYSTEM REGULATION IN CRITICAL CARE PERSONNEL

*Rahel R. Looser, MD candidate, University Childrens Hospital, University of Zurich, Zurich, Switzerland, Petra Metzenthin, PhD, School of Applied Sciences for Nursing, Berne, Switzerland, Susanne Helfricht, PhD, University Childrens Hospital, University of Zurich, Zurich, Switzerland, Brigitte M. Kudielka, PhD, Jacobs Center on Lifelong Learning, Jacobs University Bremen, Bremen, Germany, Shelby Yamamoto, MSc, Adrian Loerbroks, MSc, Julian F. Thayer, PhD, Joachim E. Fischer, MD, MSc, Mannheim Institute of Public Health, University of Heidelberg, Mannheim, Germany*

**Abstract 1141**

TRAIT RUMINATION PREDICTS ELEVATED CORTISOL RESPONSES TO AN ACUTE PSYCHOSOCIAL STRESSOR

*Peggy M. Zoccola, M.A., Jennifer R. Piazza, M.A., Jodi A. Quas, Ph.D., Ilona S. Yim, Ph.D., Psychology and Social Behavior, University of California, Irvine, Irvine, CA*

**Abstract 1674**

SNPS IN THE 5HT2C RECEPTOR GENE ARE ASSOCIATED WITH CORTISOL RESPONSE TO ANGER RECALL IN MEN.

*S H. Boyle, PhD, Psychiatry, C F. Potocky, MA, Center for Human Genetics, B H. Brummett, PhD, Psychiatry, C M. Kuhn, PhD, Pharmacology and Cancer Biology, A Georgiades, PhD, I C. Siegler, PhD, R B. Williams, MD, Psychiatry, A E. Ashley-Koch, PhD, Center for Human Genetics, Duke University Medical Center, Durham, NC*

**Abstract 1198**

RESULTS FROM THE TRIER-TEACHER-STRESS-STUDY: EFFORT-REWARD-IMBALANCE AND OVERCOMMITMENT TO WORK ARE ASSOCIATED WITH PHYSIOLOGICAL RESPONSES TO ACUTE PSYCHOSOCIAL STRESS

*Silja Bellingrath, PhD, Brigitte M. Kudielka, PhD, Jacobs Center on Lifelong Learning, Jacobs University Bremen, Bremen, Germany*

**Abstract 1424**

MOMENTARY STRESS AND SALIVARY CORTISOL AMONG PARENTS OF YOUNG CHILDREN

*Richard B. Slatcher, Ph.D., Theodore F. Robles, Ph.D., Rena L. Repetti, Ph.D., Psychology, University of California, Los Angeles, Los Angeles, CA, Michelle D. Fellows, MA, James W. Pennebaker, Ph.D., Psychology, University of Texas at Austin, Austin, TX*

**Abstract 1373**

SOCIAL EVALUATIVE THREAT DETERMINES THE MAGNITUDE BUT NOT THE PATTERN OF PHYSIOLOGICAL RESPONSES

*Jos A. Bosch, PhD, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, United Kingdom, Eco J. de Geus, PhD, Biological Psychology, Vrije Universiteit, Amsterdam, Netherlands, Annebet D. Goedhart, MSc, Biological Psychology, Vrije Universiteit, Amsterdam, The Netherlands, Leila A. Anane, MSc, Doug Carroll, PhD, School of Sport and Exercise Sciences, Kate M. Edwards, PhD, Sport and Exercise Sciences, University of Birmingham, Birmingham, United Kingdom*

**Paper Session: Sleep**

**Los Angeles/Miami Room**

*Chair: Do-Un Jeong, MD*

**Abstract 1775**

SLEEP-WAKE ACTIVITY AND INFLAMMATION IN THE MIDUS STUDY: MODERATION BY RACE.

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

**Abstract 1673**

EFFECT OF SLEEP QUALITY ON THE DIURNAL CORTISOL PATTERNS OF OLDER ADULT CAREGIVERS AND NON-CAREGIVERS

*Ronald E. Freche, BA, Guido G. Urizar, Jr., PhD, Psychology, California State University, Long Beach, Long Beach, CA, Natara Garovoy, PhD, Cynthia M. Castro, PhD, Abby C. King, PhD, Medicine, Stanford University, Stanford, CA*

**Abstract 1503**

MEASURING SLEEP: HOW DO DIARIES AND WRIST ACTIGRAPHY COMPARE WITH POLYSOMNOGRAPHY?

*Martica H. Hall, Ph.D., Psychiatry and Psychology, Zhigang Yao, B.S., Robert T. Krafty, Ph.D., Statistics, University of Pittsburgh, Pittsburgh, PA, MaryFran Sowers, Ph.D., Epidemiology, University of Michigan, Ann Arbor, MI, Mark H. Sanders, M.D., Division of Pulmonary, Karen A. Matthews, Ph.D., Psychiatry, Epidemiology and Psychology, University of Pittsburgh, Pittsburgh, PA, Howard M. Kravitz, D.O., M.P.H., Psychiatry, Rush University Medical Center, Chicago, IL, Ellen B. Gold, Ph.D., Public Health Sciences, University of California, Davis, Davis, CA, Daniel J. Buysse, M.D., Psychiatry, University of Pittsburgh, Pittsburgh, PA*

**Abstract 1504**

SLEEP DURATION IS A SIGNIFICANT CORRELATE OF DECREASED GREY MATTER VOLUME IN THE HIPPOCAMPUS IN HEALTHY WOMEN

*Martica H. Hall, Ph.D., Psychiatry and Psychology, Isabella Soreca, M.D., Psychiatry, Karen A. Matthews, Ph.D., Psychiatry, Epidemiology and Psychology, Lewis H. Kuller, M.D., DrPH, Epidemiology, Peter J. Gianaros, Ph.D., Psychiatry and Psychology, University of Pittsburgh, Pittsburgh, PA*

**Abstract 1559**

SLEEP-DISORDERED BREATHING AND HEALTH-RELATED PHYSICAL AND EMOTIONAL QUALITY OF LIFE IN HEART FAILURE

*Paul J. Mills, PhD, Suzi Hong, PhD, Laura S. Redwine, PhD, Thomas Rutledge, PhD, Joel E. Dimsdale, MD, Psychiatry, Barry H. Greenberg, MD, Medicine, UCSD, San Diego, CA*

**Abstract 1518**

PLASMA LEPTIN LEVELS ARE ASSOCIATED WITH FATIGUE IN OBSTRUCTIVE SLEEP APNEA PATIENTS

*Suzi Hong, Ph.D., Paul J. Mills, Ph.D., Psychiatry, University of California San Diego, La Jolla, California, Roland von Känel, M.D., Internal Medicine, University Hospital Bern, Bern, Switzerland, Joel E. Dimsdale, M.D., Psychiatry, University of California San Diego, La Jolla, California*

2:15 - 2:30 pm

**BREAK**

2:30 - 4:00 pm

## CONCURRENT SESSIONS

**NCI Cancer Symposium: Cancer Across the Life Course and Behavioral and Clinical Implications**  
*sponsored by the National Cancer Institute*

Chicago Ballroom A-C

*Chairs: Suzi Hong, PhD and Paige McDonald, PhD*

*Presenters: Kevin C. Oeffinger, MD; Steve Cole, PhD; and Susan Lutgendorf, PhD*

Cancer presents psychological, behavioral, and clinical challenges in patients' lives, which could differ based on life course. In accordance with the 2009 meeting theme, this symposium will focus on cancer-related psychosocial and clinical issues among patient populations at specific time-points of the life course. The goal of this symposium is also to present new perspectives in the field of cancer research, such as imaging and cardiovascular disease studies. First, as the key note speaker, Dr. Oeffinger will present his highly acclaimed research on the effects of cancer in early-life and/or cancer treatment on development of cardiovascular disease in later life. Dr. Oeffinger's research is new to the APS membership, and his work will provide a novel perspective on the issues of cancer, linking cancer and cardiovascular disease across the lifespan. Secondly, Dr. Cole will present new data from their adolescent cancer trial. He will be presenting fMRI-focused data, relating CNS responses during a videogame-based intervention to persisting changes in behavior (e.g., treatment adherence behavior). Lastly, Dr. Lutgendorf will present her new data in ovarian cancer patients. She will focus on the effects of life stress on angiogenic processes by examining cytokines VEGF and IL-8 in peripheral blood and ascites in relation to depression and stress.

**Paper Session: Hypertension: The Role of Environmental Stress, Genetics, and Individual Differences in Etiology, Prevention and Treatment**

Chicago Ballroom D

*Chair: Margaret Chesney, PhD*

**Abstract 1759**

THE PREVALENCE OF MASKED HYPERTENSION IN A WORK SAMPLE: UNRECOGNIZED RISK FOR CARDIOVASCULAR EVENTS

*Matthew M. Burg, PhD, Dorota Gruber, MS, Padmini Iyer, BA, Awilda Selva, Albania Ventura, Ayla Steadman, Joseph Schwartz, PhD, Medicine, Columbia University Medical Center, New York, NY, Thomas Pickering, MD, Medicine, Columbia University Medical School, New York, NY*

**Abstract 1491**

THE INFLUENCE OF ENVIRONMENTAL STRESS AND GENETIC FACTORS ON AMBULATORY BLOOD PRESSURE

*Katie Hunter, BSc, Nephrology, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada, Brian Baker, MD, FRCPC, Psychiatry, The University of Toronto, Toronto, Ontario, Canada, Sheldon W. Tobe, MD, FRCPC, Nancy Perkins, RN, Nephrology, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada, Lissette Gomez, BSc, Yu Feng, BSc, Karen Wigg, BSc, Cathy L. Barr, PhD, Genetics and Development Division, Toronto Western Research Institute, Toronto, Ontario, Canada*

**Abstract 1617**

CARDIOVASCULAR REACTIVITY AND ALPHA-ADRENERGIC RECEPTOR GENE POLYMORPHISMS IN BLACK YOUTH

*Robert M. Kelsey, PhD, Bruce S. Alpert, MD, Shelley R. Gabel, MBA, Pediatric Cardiology, Julia Krushkal Adkins, PhD, Preventive Medicine, University of Tennessee Health Science Center, Memphis, TN, Mary K. Dahmer, PhD, Michael W. Quasney, MD/PhD, Pediatric Critical Care, Medical College of Wisconsin, Milwaukee, WI*

**Abstract 1757**

MULTI-COMPONENT STRESS MANAGEMENT FOR HYPERTENSIVES: FOR WHOM DOES IT WORK BEST?

*Lynn P. Clemow, Ph.D., Thomas G. Pickering, M.D., DPhil, Karina W. Davidson, Ph.D., Carmen Liriano, M.D., Medicine, Columbia University, College of Physicians & Surgeon, New York, NY, William Gerin, Ph.D., Psychology, Penn State University, University Park, PA*

**Abstract 1579**

DEPRESSION IS ASSOCIATED WITH DECREASED BLOOD PRESSURE BUT ANTIDEPRESSANT USE INCREASES THE RISK FOR HYPERTENSION

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

**Abstract 1614**

EXERCISE BENEFIT ON INFLAMMATION IN HYPERTENSIVE INDIVIDUALS: LARGELY MEDIATED BY WEIGHT LOSS?

*Suzi Hong, Ph.D., Julie Sadjja, B.A., Kate M. Edwards, Ph.D., Barbara Woods, B.S., Psychiatry, Cynthia Knott, B.S., General Clinical Research Center, Joel E. Dimsdale, M.D., Psychiatry, University of California San Diego, La Jolla, California, Karen J. Calfas, Ph.D., Psychology, San Diego State University, San Diego, California, Paul J. Mills, Ph.D., Psychiatry, University of California San Diego, La Jolla, California*

**Paper Session: Pain**

**Chicago Ballroom F-G**

*Chair: Harald Gündel, MD*

**Abstract 1462**

PSYCHOLOGICAL AND PHYSIOLOGICAL CORRELATES OF A BRIEF INTERVENTION TO ENHANCE SELF-REGULATION IN CHRONIC PAIN

*John E. Schmidt, PhD, Psychiatry and Psychology, Heather M. Tonyan, BS, Anesthesia, W. Michael Hooten, MD, Psychiatry and Psychology, Kevin I. Reid, DMD, Dentistry, Michael J. Joyner, MD, Anesthesia, Mayo Clinic, Rochester, MN*

**Abstract 1332**

VAGAL NERVE STIMULATION REDUCES TENDERNESS IN FIBROMYALGIA

*Gudrun Lange, PhD, Radiology, Benjamin H. Natelson, MD, Neurosciences, UMDNJ-New Jersey Medical School, Newark, NJ*

**Abstract 1384**

THE STRUCTURE OF INVALIDATION AS EXPERIENCED BY PATIENTS WITH FIBROMYALGIA

*Marianne B. Kool, MSc, Henriët van Middendorp, PhD, Clinical and Health Psychology, Hennie Boeije, PhD, Methodology & Statistics, Utrecht University, Utrecht, The Netherlands, Rinie Geenen, PhD, Rheumatology and Clinical Immunology, University Medical Center Utrecht, Utrecht, The Netherlands*

**Abstract 1537**

PAIN REACTIVITY TO INDUCED ANGER AND SADNESS IN WOMEN WITH AND WITHOUT FIBROMYALGIA AND THE INFLUENCE OF EMOTION REGULATION

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

**Abstract 1566**

PROVIDER-DOCUMENTED VS. PATIENT-REPORTED PAIN MANAGEMENT IN PRIMARY CARE: WHICH PREDICTS OUTCOMES?

*Erin E. Krebs, MD, MPH, Medicine, Roudebush VAMC, Indiana University, Indianapolis, IN, Timothy S. Carey, MD, MPH, Medicine, Morris Weinberger, PhD, Health Policy and Administration, University of North Carolina, Chapel Hill, NC*

**Abstract 1445**

STICKS AND STONES MAY BREAK MY BONES BUT YOU DON'T HAVE TO TOUCH ME TO HURT ME.

*Stuart W. Derbyshire, Ph.D., Jody Osborn, MSc, Psychology, University of Birmingham, Edgbaston, West Midlands, UK, Candy McCabe, Ph.D., School for Health, University of Bath, Bath, UK, Donna Lloyd, Ph.D., Psychology, University of Manchester, Manchester, UK*

**Panel Session: You Got the Grant, Now What?:**

**Los Angeles/Miami Room**

**A Primer on Grants Management**

*Presenters: Joel Dimsdale, PhD; Jean Endicott, PhD; Peter Kaufmann, PhD; David Krantz, PhD and Lynda Powell, PhD*

Researchers devote an enormous amount of time to developing their grant proposals. Once these proposals are funded, other formidable challenges await. This workshop discusses problems and solutions to managing any ongoing study. The workshop leaders will illustrate approaches they have established to deal with hiring staff, recruiting subjects, tracking enrollment, setting up a data base, getting an overview of database contents, interacting with regulatory committees, and keeping track of progress. This is an informal workshop where all participants are encouraged to share their solutions as well as grants management problems.

4:00 - 4:15 pm

**BREAK**

4:15 - 5:15 pm

**TOWN HALL IDENTITY DISCUSSION**

*Chicago Ballroom A-C*

How do you see the future of the APS' identity? Is a name change desirable? There may be opportunities for growth and change, and the APS leadership needs your input. Come share your perspectives on these issues at this "Town Hall" meeting. Hope to see you there!

5:15 - 6:30 pm

**POSTER SESSION 2**

*Chicago Ballroom E and Foyer*

**155) Abstract 1710**

SPIRITUAL VALUES AND CARDIOVASCULAR DISEASE RISK FACTORS IN MEXICAN IMMIGRANTS  
*Chris Anderson,, Patrick Steffen, PhD, Jill Walker, BS, James Van Dyke, BS, Clinical Psychology, Brigham Young University, Provo, UT*

**156) Abstract 1764**

HOSTILE CONTROL PREDICTS CARDIOVASCULAR REACTIVITY DURING MARITAL INTERACTION  
*Timothy W. Smith, PhD, Bert N. Uchino, PhD, Paul Florsheim, PhD, Cynthia A. Berg, PhD, Psychology, University of Utah, Salt Lake City, UT*

**157) Abstract 1070**

MENSTRUAL CYCLE, RACE, AND HEMODYNAMIC RESPONSES TO STRESS  
*Anjni Patel, BS, Medicine, Edward Via Virginia College of Osteopathic Medicine, Blacksburg, Virginia, Beth Mechlin, M.A., Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC, Melanie Watkins,, Psychology, University of Richmond, Richmond, Virginia, Susan Girdler, PhD, Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, NC*

**158) Abstract 1245**

THE PERCEPTION OF JOB STRESSORS IS RELATED TO MEASURES OF HEART RATE VARIABILITY  
*Els Clays, PhD, Dirk De Bacquer, PhD, Public Health, Ghent University, Ghent, Belgium, France Kittel, PhD, Vincent Crasset, MD, Patrick de Smet, MSc, Marcel Kornitzer, PhD, Public Health, Free University of Brussels, Brussels, Belgium, Guy De Backer, PhD, Public Health, Ghent University, Ghent, Belgium*

**159) Abstract 1431**

VALIDATION OF AN ASSESSMENT OF VITAL EXHAUSTION AMONG U.S. CARDIOVASCULAR COMPROMISED AND COMMUNITY SAMPLES: THE MAASTRICHT QUESTIONNAIRE  
*Maria D. Dziok, M.S., Laurie Nash, M.A., Elina Spektor,, Sonia Suchday, Ph.D., Clinical Psychology with Health Emphasis, Yeshiva University, Bronx, New York, Vankeepuram S. Srinivas, MB,BS, Division of Cardiology, Montefiore Medical Center, Bronx, New York*

**160) Abstract 1450**

DIFFERENTIAL ASSOCIATION OF SOMATIC AND COGNITIVE SYMPTOMS OF DEPRESSION WITH INFLAMMATION IN PATIENTS WITH STABLE CORONARY HEART DISEASE  
*Hester E. Duivis, MSc, Psychology and Health, Tilburg University, Tilburg, NB, The Netherlands, Mary A. Whooley, PhD, Epidemiology and Biostatistics, VA Medical Center, San Francisco, California, Peter de Jonge, PhD, Psychology and Health, Tilburg University, Tilburg, NB, The Netherlands*

**161) Abstract 1523**

THE EFFECTS OF HOSTILITY MANIFESTATION TRAITS AND ANGER-COPING BEHAVIORS ON THE ENDOTHELIAL FUNCTION IN HEALTHY TAIWANESE MEN  
*Shu-Chen Shen, MS, Psychiatry, Buddhist Dalin Tzu Chi General Hospital, Chia-Yi, Taiwan, R.O.C., Chia-Ying Weng, PhD, Psychology, National Chung-Cheng University, Chia-Yi, Taiwan, R.O.C., Tin-Kwang Lin, MD, Cardiology, Buddhist Dalin Tzu Chi General Hospital, Chia-Yi, Taiwan, R.O.C., Chin-Lon Lin, MD, Buddhist Tzu Chi General Hospital, Hualien County, Taiwan, R.O.C.*

**162) Abstract 1580**

ASSOCIATIONS BETWEEN STRESS-INDUCED HEMOCONCENTRATION AND SYMPATHO-ADRENAL ACTIVATION IN MEN AND WOMEN  
*Jet Veldhuijzen van Zanten, PhD, Jos Bosch, PhD, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, WM, UK, John Cacioppo, PhD, Department of Psychology, University of Chicago, Chicago, IL, Gary Berntson, PhD, Department of Psychology, Ohio State University, Columbus, Ohio, Philip Marucha, PhD, Department of Periodontics, University of Illinois at Chicago, Chicago, IL*

**163) Abstract 1638**

EXPOSURE TO ANTIDEPRESSANTS IS ASSOCIATED WITH INCREASED RISK OF INCIDENT CORONARY HEART DISEASE IN A POPULATION-BASED STUDY

*Karina W. Davidson, Ph.D., Medicine and Psychiatry, Elizabeth Mostofsky, MPH, Leah B. Rosenberg, BA, Ashish Shah, MD, Medicine, Peter A. Shapiro, MD, Psychiatry, Daichi Shimbo, MD, Medicine, Columbia University Medical Center, New York, NY, Susan Kirkland, Ph.D., Geriatric Medicine, Dalhousie University, Halifax, Nova Scotia, Canada*

**164) Abstract 1761**

DIRECTIONAL RELATIONSHIPS IN NEURAL ACTIVITY BETWEEN CORTICOLIMBIC BRAIN AREAS AT REST PREDICT SUBSEQUENT BLOOD PRESSURE REACTIVITY

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

**165) Abstract 1033**

PSYCHOSOCIAL FACTORS AND HEALTH CARE NEEDS IN PATIENTS WITH CHRONIC HEART FAILURE

*Thomas Mueller-Tasch, Dr, Ninon Hirth, Dr, Nicole Holzapfel, Dr, Dieter Schellberg, PhD, Jana Juenger, Dr, Psychosomatic and General Internal Medicine, University of Heidelberg, Heidelberg, Germany, Markus Haass, Professor, Cardiology, Theresien Hospital Mannheim, Mannheim, Germany, Lutz Frankenstein, Dr, Christian Zugck, PD, Andrew Remppis, PD, Cardiology, Angiology and Pneumology, Wolfgang Herzog, Professor, Psychosomatic and General Internal Medicine, University of Heidelberg, Heidelberg, Germany*

**166) Abstract 1766**

RELATIONSHIP BETWEEN DEPRESSION, CVD, AND PATIENT'S MOTIVATION FOR MEDICATION ADHERENCE

*Roxanne Pelletier, B.Sc., Psychology, Montreal Heart Institute, Montreal, Quebec, Canada, Simon L. Bacon, Ph.D, Exercise Science, Concordia University, Montreal Heart Institute, Montreal, Quebec, Canada, Andre Arsenaault, MD, Nuclear Medicine, Montreal Heart Institute, Montreal, Quebec, Canada, kim L. Lavoie, Ph.D, Psychology, UQAM, Montreal Heart Institute, Montreal, Quebec, Canada*

**167) Abstract 1156**

TYPE D PERSONALITY PREDICTS DISABILITY, QUALITY OF LIFE AND MEDICATION ADHERENCE IN POST-MI PATIENTS

*Lynn Williams, PhD, Psychology, University of the West of Scotland, Paisley, UK, Rory C. O'Connor, PhD, Ronan E. O'Carroll, PhD, Psychology, University of Stirling, Stirling, UK*

**168) Abstract 1234**

DISPOSITIONAL OPTIMISM AND CARDIOVASCULAR REACTIVITY TO SOCIAL VS. NON-SOCIAL STRESSORS.

*Alexandra L. Terrill, BS, Psychology, Washington State University, Pullman, Washington, John M. Ruiz, Ph.D., Psychology, University of North Texas, Denton, Texas, John P. Garofalo, Ph.D., Psychology, Washington State University, Vancouver, Washington*

**169) Abstract 1299**

INCREASED RISK OF VENTRICULAR ARRHYTHMIA IN IMPLANTABLE DEFIBRILLATOR PATIENTS WITH INCREASED ANXIETY AND A TYPE D PERSONALITY

*Krista C. Van den Broek, PhD, Ivan Nyklicek, PhD, CoRPS - Medical Psychology, Tilburg University, Tilburg, The Netherlands, Pepijn H. Van der Voort, MD, Department of Cardiology, Catharina Hospital, Eindhoven, The Netherlands, Marco Alings, PhD, MD, Department of Cardiology, Amphia Hospital, Breda, The Netherlands, Albert Meijer, PhD, MD, Department of Cardiology, Catharina Hospital, Eindhoven, The Netherlands, Johan Denollet, PhD, CoRPS - Medical Psychology, Tilburg University, Tilburg, Tilburg*

**170) Abstract 1302**

SYMPTOM DIMENSIONS OF POST-MYOCARDIAL INFARCTION DEPRESSION, DISEASE SEVERITY AND CARDIAC PROGNOSIS

*Elisabeth J. Martens, PhD, Marie-Anne Mittelhaeuser, BA, Medical Psychology, Tilburg University, Tilburg, Brabant, the Netherlands, Petra W. Hoen, MD, Department of Psychiatry, University of Groningen, Groningen, Groningen, the Netherlands, Peter de Jonge, PhD, Johan Denollet, PhD, Medical Psychology, Tilburg University, Tilburg, Brabant, the Netherlands*

**171) Abstract 1303**

EFFICIENT SCREENING OF DEPRESSIVE SYMPTOMS AND PROGNOSTIC VALUE IN MYOCARDIAL INFARCTION PATIENTS

*Elisabeth J. Martens, PhD, Johan Denollet, PhD, Otto R F. Smith, MSc, Medical Psychology, Tilburg University, Tilburg, Brabant, the Netherlands, Matthew M. Burg, PhD, Cardiovascular Medicine, Yale University School of Medicine, New Haven, CT*

**172) Abstract 1437**

CORRELATIONS BETWEEN VITAL EXHAUSTION, DEPRESSION, AND GENERAL HEALTH OF CARDIAC PATIENTS AND COMMUNITY CONTROLS

*Laurie Nash, M.A., Elina Spektor, B.A., Clinical Psychology, Health Emphasis, Ferkauf Graduate School of Psychology, Yeshiva Univ, Bronx, NY, V. S. Srinivas, MB, BS, Department of Cardiology, Albert Einstein College of Medicine, Bronx, NY, Sonia Suchday, PhD, Clinical Psychology PhD, Health Emphasis, Ferkauf Graduate School of Psychology, Yeshiva Univ, Bronx, NY*

**173) Abstract 1516**

SLEEP APNEA, DEPRESSION, AND QUALITY OF LIFE IN CORONARY HEART DISEASE

*Kenneth E. Freedland, PhD, Rebecca L. Reese, MA, Robert M. Carney, PhD, Brian C. Steinmeyer, MS, Psychiatry, Stephen Duntley, MD, Neurology, Washington University School of Medicine, St. Louis, MO*

**174) Abstract 1526**

INTEGRAL APPROACH OF CORONARY ARTERY DISEASE WITH REFERENCE TO CIRCULATING ANTIBODIES TO HSP60

*Jose R. Peña, MD PhD, Aracelis M. Quintini, MD PhD, Medicine, University of Carabobo, School of Medicine, Valencia, Carabobo, Venezuela, Sabrina Islam, B.A.Sci, Babette Weksler, MD, Weill Cornell Medical College, New York, NY, Jose Poveda, MD PhD, University Autónoma of Madrid, Madrid, Spain*

**175) Abstract 1644**

THE ASSOCIATION BETWEEN AUTONOMIC NERVOUS SYSTEM DYSFUNCTION AND INFLAMMATION MARKERS: THE ROLE OF DEPRESSION IN ADULTS AGED 65 YEARS AND ABOVE

*Willem J. Kop, PhD, John S. Gottdiener, MD, Medicine, University of Maryland, Baltimore, MD, Phyllis K. Stein, Psychiatry, Wash U, St. Louis, MO*

**176) Abstract 1151**

RELATIONSHIP BETWEEN HEART RATE RECOVERY AND DEPRESSION

*Leopoldo Pozuelo, MD, FACP, Consultation Liaison Psychiatry, Manuel Cerqueira, MD, FACC, Cardiology, Cleveland Clinic, Cleveland Clinic, Ohio, Kathleen Franco, MD, FACP, Psychiatry, Isabel Schuermeyer, MD, Psychiatry and Oncology, Cleveland Clinic, Cleveland, Ohio*

**177) Abstract 1363**

EXPLORING ASSOCIATIONS BETWEEN TYPE D PERSONALITY, DEPRESSION, AND VITAL EXHAUSTION AMONG PATIENTS WITH CARDIOVASCULAR DISEASE

*Elina Spektor, BA, Clinical Psychology, Health Emphasis, Ferkauf Graduate School of Psychology, Bronx, NY, Laurie Nash, MA, Clinical Psychology, Health Emphasis, Yeshiva University, Bronx, NY, Vankeepuram S. Srinivas, M.B.,B.S., Division of Cardiology, Montefiore Medical Center, Bronx, NY, Sonia Suchday, Ph.D., Clinical Psychology, Health Emphasis, Ferkauf Graduate School of Psychology, Bronx, NY*

**178) Abstract 1704**

RUMINATION IS ASSOCIATED WITH HIGHER BLOOD PRESSURE DURING STRESS IN MALES BUT NOT FEMALES

*Monica Lindgren, B.A., Psychiatry, Beth Mechlin, M.A., Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC*

**179) Abstract 1746**

PREVALENCE OF SELF-REPORTED FUNCTIONAL GASTROINTESTINAL SYNDROMES VARIES DUE TO SYMPTOM-RELATED SUBJECTIVE DISTRESS

*Urs M. Nater, PhD, Kerstin Suarez, MS, Ulrike Ehlert, PhD, Psychology, University of Zurich, Zurich, Switzerland*

**180) Abstract 1350**

THE EFFECT OF PSYCHOLOGICAL STRESS ON INFLAMMATORY BOWEL DISEASES: A CRITICAL REVIEW OF PROSPECTIVE STUDIES AND SUGGESTIONS FOR MORE EFFECTIVE RESEARCH

*Rafael Camara,, General Internal Medicine, University Hospital, Bern, Switzerland, Roger Ziegler,, Psychiatry, University of Bern, Bern, Switzerland, Stefan Begre, Roland von Känel, General Internal Medicine, University Hospital, Bern, Switzerland*

**181) Abstract 1577**

THE EFFECT OF SHORT-TERM STRESS ON ADRENAL HORMONE IN INDIVIDUALS WITH IRRITABLE BOWEL SYNDROME

*Nagisa Sugaya, Waseda University, Tokorozawa, Saitama, Japan, Shuhei Izawa, Waseda University, Shinjuku, Tokyo, Japan, Keisuke Saito, Tokai University Junior College Shizuoka, Shizuoka-shi, Shizuoka, Japan, Kentaro Shirotaki, Shinobu Nomura, Hironori Shimada, Waseda University, Tokorozawa, Saitama, Japan*

**182) Abstract 1663**

FLUVOXAMINE VERSUS AMITRYPTILINE IN IBS FEMALE PATIENTS WITH DEPRESSION

*Dan L. Dumitrascu, Prof, Cosmin Grad, Drd, 2nd Medical, University Iuliu Hatieganu Cluj, Cluj, Romania*

**183) Abstract 1596**

MODIFIED ECOLOGICAL MOMENTARY ASSESSMENT IN THE MEASUREMENT OF IRRITABLE BOWEL SYNDROME \_ FEASIBILITY AND PARTICIPANT COMPLIANCE

*Stephan R. Weinland, Ph.D., UNC Center for Functional GI & Motility Disorders, University of North Carolina - Chapel Hill, Chapel Hill, NC, Carolyn Morris, M.S., Biostatistics Core, UNC Center for Functional GI & Motility Disorders, Chapel Hill, NC, Ashley G. Messina, BS, UNC Center for Functional GI & Motility Disorders, UNC Chapel Hill School of Medicine, Chapel Hill, NC, Hollie R. Edwards, BS, UNC Center for Functional GI & Motility Disorders, Katherine L. Baillie, BA, UNC Center for Functional GI & Motility Disorders, Douglas A. Drossman, M.D., UNC Center for Functional GI & Motility Disorders, UNC Chapel Hill, Chapel Hill, NC*

**184) Abstract 1130**

ACTIVITIES OF ANTIOXIDANT ENZYMES IN SPLEEN AND THYMUS LYMPHOCYTES OF RATS WITH EXPERIMENTAL STOMACH ULCER

*Anar D. Rakhmetov, student, Larysa I. Kot, PhD, Olena V. Bogdanova, PhD, Ludmyla I. Ostapchenko, Doctor of Science, biochemistry, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine*

**185) Abstract 1428**

MINDFULNESS-BASED STRESS REDUCTION FOR THE TREATMENT OF IRRITABLE BOWEL SYNDROME SYMPTOMS: A RANDOMIZED WAITLIST CONTROLLED TRIAL

*Kristin A. Zernicke, B.A., Tavis S. Campbell, PhD, Psychology, Philip K. Blustein, MD, Medicine, Linda E. Carlson, PhD, Oncology, University of Calgary, Calgary, AB, Canada*

**186) Abstract 1067**

COURSE OF RECOVERY OF THE IMPACT OF INTIMATE MALE PARTNER VIOLENCE ON PHYSICAL HEALTH OF WOMEN

*Manuela Martinez, MD/PhD, Segunda Sanchez-Lorente, BA, Concepcion Blasco-Ros, BA, Department of Psychobiology, Faculty of Psychology, University of Valencia, Valencia, Spain*

**187) Abstract 1642**

DIFFERENT METHODS OF SINGLE-SESSION EMOTIONAL DISCLOSURE: EFFECTS ON POST-TRAUMATIC GROWTH AND SYMPTOMS

*Olga M. Slavin, MA, Lindsay M. Sander, MA, Psychology, Wayne State University, Detroit, MI, Jay L. Cohen, PhD, Psychology, John D. Dingell VAMC, Detroit, MI, Christina Sawula, BA, Megan Lasco, BA, Mark A. Lumley, PhD, Psychology, Wayne State University, Detroit, MI*

**188) Abstract 1247**

TYPE D PERSONALITY, TEMPERAMENT AND MENTAL HEALTH IN MILITARY PERSONNEL AWAITING DEPLOYMENT.

*Paula M.C. Mommersteeg, PhD, Johan Denollet, PhD, Center of Research on Psychology in Somatic diseases, Tilburg University, Tilburg, the Netherlands, Annemieke Kavelaars, PhD, Psychoneuroimmunology, Elbert Geuze, PhD, Eric Vermetten, PhD, Military Mental Health-Research Centre, Cobi J. Heijnen, PhD, Psychoneuroimmunology, University Medical Center Utrecht, Utrecht, the Netherlands*

**189) Abstract 1522**

NO MEANING IN LIFE IS AN INDEPENDENT PREDICTOR OF MIDDLE AGED MALE ALL-CAUSE MORTALITY IN HUNGARY (HUNGARIAN EPIDEMIOLOGICAL PANEL 2002\_2006)

*Arpad Skrabski, PhD, Sociology, Apor Vilmos Catholic College, Vác, Hungary, Maria S. Kopp, MD, PhD, Behavioral Sciences, Semmelweis University, Budapest, Hungary*

**190) Abstract 1699**

SENSE OF COHERENCE AND HEALTH IN A SAMPLE OF MEXICAN IMMIGRANTS

*James Van Dyke,, Patrick Steffen, PhD, Jill Walker, BS, Clinical Psychology, Brigham Young University, Provo, UT*

**191) Abstract 1706**

GENDER, ACCULTURATION, AND PSYCHOSOCIAL WELL BEING IN MEXICAN IMMIGRANTS

*Sara Christian, BS, Patrick Steffen, PhD, Clinical Psychology, Patricia Noel,, Psychology, Brigham Young University, Provo, UT*

**192) Abstract 1162**

FAMILY AND NEIGHBORHOOD SOCIOECONOMIC STATUS HAVE DIFFERENTIAL IMPACTS ON FAMILY HEALTH

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

**193) Abstract 1307**

PYROGENIC CYTOKINES DID NOT INFLUENCE STRESS INTERVIEW-INDUCED HYPERTHERMIC RESPONSE IN A PATIENT WITH PSYCHOGENIC FEVER

*Tetsuya Hiramoto, MD, Takakazu Oka, MD, PhD, Kazufumi Yoshihara, MD, PhD, Chiharu Kubo, MD, PhD, Psychosomatic Medicine, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Fukuoka, Japan*

**194) Abstract 1435**

PHYSICAL FUNCTIONING IN A NON-CARDIAC CHEST PAIN POPULATION: PAIN, AVOIDANCE, AND BODY VIGILANCE

*Katherine Hadlandsmyth, MSc, Jennifer M. Craft, MA, Diane L. Rosenbaum, BA, Kamila S. White, PhD, Psychology, University of Missouri-St. Louis, St. Louis, MO, Ernest V. Gervino, ScD, Cardiovascular Medicine, Harvard Medical School, Boston, MA*

**195) Abstract 1595**

SHORT-TERM AUTONOMIC EFFECTS OF ESPRESSO-CONSUMPTION - HOW IMPORTANT ARE PRIOR EXPERIENCE AND EXPECTATION?

*Frank Zimmermann-Viehoff, MD, Christian Herrmann, cand.med., Cora S. Weber, MD, Hans-Christian Deter, MD, Psychosomatic Medicine, Charité Campus Benjamin Franklin, Berlin, Germany*

**196) Abstract 1700**

HEART RATE, HEART RATE VARIABILITY, AND INTERPERSONAL MOTIVES RELATED TO EYE-GAZE AVOIDANCE IN AN INTERPERSONAL TASK

*Christine E. Kemmner,, Chelsea M. Ale, M.S., Matthew Whited, M.S., Lauren Penwell, M.S., Kirsten Sundin,, Kevin T. Larkin, Ph.D., Psychology, West Virginia University, Morgantown, West Virginia*

**197) Abstract 1712**

EXECUTIVE ATTENTIONAL CONTROL AND PARASYMPATHETIC ACTIVATION DURING STRESS

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

**198) Abstract 1713**

MORNINGNESS/EVENINGNESS TYPE AND CORTISOL PATTERNS AMONG CAREGIVERS AND NON-CAREGIVERS

*Janelle K. Goguen, BA, Guido G. Urizar Jr., PhD, Psychology, California State University, Long Beach, Long Beach, CA, Natara Garovoy, PhD, Cynthia M. Castro, PhD, Abby C. King, PhD, Medicine, Stanford University, Stanford, CA*

**199) Abstract 1765**

ASSOCIATION OF DEPRESSIVE SYMPTOMS AND STRESS ON THE SALIVARY CORTISOL PATTERNS OF OLDER ADULT CAREGIVERS AND NON-CAREGIVERS

*Guido G. Urizar Jr., Ph.D., Psychology, California State University, Long Beach, Long Beach, CA, Natara Garovoy, Ph.D., Cynthia M. Castro, Ph.D., Abby C. King, Ph.D., Medicine, Stanford University, Stanford, CA*

**200) Abstract 1057**

ALCOHOL USE OF ADOLESCENT PRISONERS COMPARED TO HIGH SCHOOL STUDENTS: ROLE OF EMOTION AND EMOTION REGULATION

*Sunmi Song, M. A., Jennifer E. Graham, Ph. D, Department of Biobehavioral Health, Pennsylvania State University, University Park, PA, Young-Woo Sohn, Ph.D, Department of Psychology, Yonsei University, Seoul, South Korea*

**201) Abstract 1148**

RUMINATION PREDICTS LONGER SLEEP ONSET LATENCY FOLLOWING AN ACUTE PSYCHOSOCIAL STRESSOR

*Peggy M. Zoccola, M.A., Sally S. Dickerson, Ph.D., Suman Lam, B.A., Psychology and Social Behavior, University of California, Irvine, Irvine, CA*

**202) Abstract 1689**

LIFE HASSLES PRODUCE GREATER BLOOD PRESSURE RESPONSE THAN LIFE STRESSORS IN AFRICAN AMERICANS

*Mildred A. Pointer, PhD, JLC-BBRI Cardiovascular Disease Research, Sandra Waters J. Waters, PhD, Psychology, Waters Brittany, HS, Brittany Royall, HS, Nursing, Jonathan Livingston, PhD, Crystal Cannon, BS, Psychology, Marilyn McClelland,, School of Business, North Carolina Central University, Durham, NC*

**203) Abstract 1529**

THE EFFECTS OF ETHNIC DISCRIMINATION AND SOCIOECONOMIC STATUS ON ENDOTHELIN-1 AMONG BLACKS AND WHITES

*Denise C. Cooper, Ph.D., Paul J. Mills, Ph.D., Wayne A. Bardwell, Ph.D., Department of Psychiatry, University of California-San Diego, La Jolla, CA, Michael G. Ziegler, M.D., Department of Medicine, University of California San Diego Medical Center, San Diego, CA, Joel E. Dimsdale, M.D., Department of Psychiatry, University of California-San Diego, La Jolla, CA*

**204) Abstract 1169**

ETHNIC DIFFERENCES IN CARDIOVASCULAR RESPONSE: THE EFFECT OF PERSEVERATIVE COGNITION

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

**205) Abstract 1648**

PHYSICIAN 'S CARDIOVASCULAR RESPONSE IN AN EMOTION STIMULATING INTERVIEW WITH HYPERTENSIVE PATIENTS AND HEALTHY CONTROLS

*Hans Christian Deter, MD, Laurence Apel, Dipl.Psych., Angela Blecher, MD, Kristina Orth-Gomér, MD, Cora S. Weber, MD, Psychosomatic Medicine, Charité Universitätsmedizin Campus Benjamin Franklin, Berlin, Germany*

**206) Abstract 1246**

INTERACTIVE EFFECTS OF THE ADRB2 T-47C POLYMORPHISM AND STRESS REDUCTION INTERVENTIONS UPON CARDIOVASCULAR REACTIVITY TO STRESS AMONG AFRICAN AMERICAN (AA)ADOLESCENTS

*Mathew Gregoski, MS, University of Georgia, Athens, Georgia, Harry Davis, M.S., Vernon Barnes, PhD., Martha Tingen, PhD., Yanbin Dong, M.D., Frank Treiber, PhD, Pediatrics, Medical College of Georgia, Augusta, Ga.*

**207) Abstract 1650**

A PSYCHOSOMATIC STUDY: MIND-BODY MEDICINE(YOGA BASED) COMPREHENSIVE LIFESTYLE INTERVENTION IN HYPERTENSIVE PATIENTS

*Alok K. Mishra,, PSYCHOLOGY, Barkatullah University,Bhopal, Bhopal, M.P, India, Rajesh Sagar, MD,, Dept.Psychiatry, All India Institute of Medical Science ,, New Delhi, Delhi, India, Dr. Tara Singh, PhD,, Dept.of Psychology, Barkatullah University,Bhopal, Bhopal, Madhya Pradash, India*

**208) Abstract 1454**

A LATENT CLASS ANALYSIS APPROACH TO CHARACTERIZING NON-ADHERENT HYPERTENSIVE PATIENTS

*Ranak B. Trivedi, PhD, Medicine, Duke University Medical Center, Durham, NC, Brian J. Ayotte, PhD, HSR&D, Durham VAMC, Durham, NC, Carolyn T. Thorpe, PhD, Population Health Sciences, University of Wisconsin, Madison, WI, David Edelman, MD, Medicine, Duke University Medical Center, Durham, NC, Hayden B. Bosworth, PhD, HSR&D, Durham VAMC, Durham, NC*

**209) Abstract 1639**

ANXIETY DISORDERS PREDICT 1-YEAR DEVELOPMENT OF HYPERTENSION

*Simon L. Bacon, PhD, Catherine Laurin, PhD, Andre Arsenault, MD, Blaine Ditto, PhD, Tavis S. Campbell, PhD, Kim L. Lavoie, PhD, Montreal Behavioural Medicine Centre, MHI/Concordia/UQAM, Montreal, Canada*

**210) Abstract 1072**

ATTITUDES TOWARDS MENTAL ILLNESS A COMPARATIVE STUDY BETWEEN SYRIA AND THE UNITED KINGDOM

*Masa Al-Kurdi, MSC, PSYCHOLOGY, UNIVERSITY OF WESTMINSTER, CAMBRIDGE, UNITED KINGDOM, PAULA HIXENBAUGH,, PSYCHOLOGY, UNIVERSITY OF WESTMINSTER, LONDON, UNITED KINGDOM*

**211) Abstract 1380**

SEVERE DEPRESSION IS AN INDEPENDENT PREDICTOR OF MALE MIDDLE-AGED ALL-CAUSE MORTALITY IN HUNGARY (HUNGARIAN EPIDEMIOLOGICAL PANEL 2002-2006)

*Maria S. Kopp, MD, PhD, Behavioral Sciences, Semmelweis University, Budapest, Hungary, Árpád Skrabski, PhD, Sociology, Apor Vilmos Catholic College, Vác, Hungary, András Keszei, PhD, Behavioral Sciences, Semmelweis University, Budapest, Hungary*

**212) Abstract 1520**

ARE STIMULANTS USEFUL IN HOSPICE PATIENTS WITH DEPRESSION?

*Steve H. Koh, MD, MPH, MBA, Psychiatry, University of California, San Diego, San Diego, CA, Alana Iglewicz, MD, Psychiatry, University of California, San Diego, La Jolla, CA, Matt Soskins, JD, PhD, Laura K. Chambers, ASN, MFS, San Diego Hospice, San Diego Hospice, San Diego, CA, Dilip V. Jeste, MD, Geriatric Psychiatry, Joel E. Dimsdale, MD, Psychiatry, University of California, San Diego, San Diego, CA, Scott A. Irwin, MD, PhD, Psychiatry, San Diego Hospice, San Diego, CA*

**213) Abstract 1368**

RISK FACTORS FOR ALCOHOLISM AND INCREASED DRINKING BEHAVIORS AT ONE-YEAR FOLLOW-UP: FINDINGS FROM THE OKLAHOMA FAMILY HEALTH PATTERNS PROJECT

*Kristen H. Sorocco, Ph.D., DWR Department of Geriatric Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma, Andrea S. Vincent, Ph.D., C-SHOP, University of Oklahoma, Norman, Oklahoma, William R. Lavallo, Ph.D., Director, Behavioral Sciences Laboratories, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma*

**214) Abstract 1220**

FEELING SAD AND ALCOHOL OR DRUG IMPAIRMENT: AGE, GENDER, AND BLACK/WHITE DIFFERENCES

*Stephen J. Morewitz, Ph.D., Sociology, San Jose State University, San Francisco, CA*

**215) Abstract 1362**

PERSONALITY TRAITS IN RELATION TO SUICIDALITY IN MAJOR DEPRESSIVE DISORDER PATIENTS

*Rupert Conrad, MD, Psychosomatic Medicine and Psychotherapy, University of Bonn, Bonn, NRW, Germany, Reinhard Liedtke, MD, Ingo Wegener, PhD, Psychosomatic Medicine and Psychotherapy, University of Bonn, Bonn, Germany*

**216) Abstract 1312**

ASSOCIATION BETWEEN COMPLICATED GRIEF AND DIURNAL CORTISOL SLOPE

*Mary-Frances O'Connor, PhD, Cousins Center for PNI, David K. Wellisch, PhD, Annette L. Stanton, PhD, Psychiatry, Michael Irwin, MD, Cousins Center for PNI, UCLA, Los Angeles, CA*

**217) Abstract 1374**

HOPELESSNESS AND LOSS OF PLEASURE AFTER INFLAMMATION IN MOUSE MODELS OF DEPRESSIVE DISORDER

*Donald M. Lammkin, M.A., Susan K. Lutgendorf, Ph.D., Alan Kim Johnson, Ph.D., Psychology, University of Iowa, Iowa City, Iowa*

**218) Abstract 1166**

ASSOCIATIONS OF GENDER AND FITNESS WITH CIRCULATING BIOMARKERS OF ATHEROSCLEROTIC RISK PRE AND POST-EXERCISE

*Julie L. Sadjja, B.A., Suzi Hong, Ph.D., Psychiatry, University of California, San Diego, La Jolla, CA, Roland von Känel, M.D., General Internal Medicine, University Hospital Berne, Berne, Switzerland, Paul J. Mills, Ph.D., Psychiatry, University of California, San Diego, La Jolla, CA*

**219) Abstract 1229**

ACCULTURATION AND METABOLIC SYNDROME RISK IN MEXICAN-AMERICAN WOMEN

*Karla Espinosa de los Monteros, B.A., Clinical Psychology, Linda C. Gallo, PhD, Psychology, SDSU/UCSD JDP in Clinical Psychology, San Diego, CA, John P. Elder, PhD, Gregory A. Talavera, MD, Public Health, San Diego State University, San Diego, CA, Smriti Shivpuri, MA, Clinical Psychology, SDSU/UCSD JDP in Clinical Psychology, San Diego, CA, Adrienne Collazo, BA, Kenneth Skale, BA, Psychology, San Diego State University, San Diego, CA*

**220) Abstract 1515**

HELPING OTHERS HELPS ONESELF: POSITIVE PERCEPTIONS OF SOCIAL CONTRIBUTIONS PREDICT BETTER COGNITIVE AND PHYSICAL FUNCTIONING IN LATER ADULTHOOD

*Tara L. Gruenewald, Teresa E. Seeman, Medicine/Geriatrics, University of California, Los Angeles, CA*

**221) Abstract 1071**

THE PSYCHOMOTOR VIGILANCE TASK (PVT) LAPSE AS AN OBJECTIVE MEASURE OF FATIGUE

*In-Soo Lee, MD, Wayne A. Bardwell, PhD, Sonia Ancoli-Israel, PhD, Joel E. Dimsdale, MD, Department of Psychiatry, University of California, San Diego, La Jolla, California*

**222) Abstract 1214**

LOW BIRTH WEIGHT IS ASSOCIATED WITH MATERNAL DISTRESS AND ELEVATED SERUM MACROPHAGE MIGRATION INHIBITORY FACTOR DURING PREGNANCY

*Lisa M. Christian, PhD, Psychiatry, The Ohio State University, Columbus, Ohio, Albert Franco, MD, Division of Maternal-Fetal Medicine, Carolinas Medical Center, Charlotte, NC, Ronald Glaser, PhD, Molecular Virology, Immunology, and Medical Genetics, Jay D. Iams, MD, Obstetrics and Gynecology, The Ohio State University, Columbus, Ohio*

**223) Abstract 1583**

HARDINESS PERSONALITY AND THE AUTONOMIC NERVOUSE SYSTEM ACTIVITIES

*Ling-Chun Yang, Psychology, National Chung Cheng University, Min-Hsiung, Chia-Yi county, Taiwan, Chia-Ying Weng, Psychology, National Chung-Cheng University, Min-Hsiung, Chia-Yi county, Taiwan*

**224) Abstract 1248**

DAILY RHYTHMS OF MELATONIN ARE ALTERED BY AMOUNT OF SLEEP

*Jeanette M. Bennett, M.S., Biobehavioral Health, Robert S. Stawski, Ph.D., Gerontology Center, Courtney A. Whetzel, Ph.D., Biobehavioral Health, David M. Almeida, Ph.D., Human Development and Family Studies, Laura C. Klein, Ph.D., Biobehavioral Health, The Pennsylvania State University, University Park, PA*

**225) Abstract 1703**

ACCULTURATION AND OBESITY IN LATINOS: RECONCILING INCONSISTENT FINDINGS

*Laura R. Buenostro, Ph.D., West Suburban Hospital Medical Center, Oak Park, Illinois, Lisa Sanchez-Johnsen, Ph.D., Psychiatry and Medicine, University of Chicago, Chicago, Illinois, John Burns, Ph.D., Psychology, Rosalind Franklin University of Medicine & Science, North Chicago, Illinois*

**226) Abstract 1572**

SUB-CLINICAL DEPRESSION SYMPTOMS PARTIALLY MEDIATE THE RELATION BETWEEN PERCEIVED AND MRI-DERIVED INDICES OF SUBCLINICAL NEUROVASCULAR DISEASE AMONG HEALTHY OLDER WOMEN, BUT NOT MEN

*Megan M. Hosey, B.S., S. Carrington Rice, MA, Psychology, University of Maryland, Baltimore County, Baltimore, MD, David M. Lefkowitz, MD, Diagnostic Radiology, Leslie I. Katzel, MD/PhD, Division of Gerontology, Eliot L. Siegel, MD, Diagnostic Radiology, University of Maryland Medical School, Baltimore, MD, Shari R. Waldstein, PhD, Psychology, University of Maryland, Baltimore County, Baltimore, MD*

**227) Abstract 1305**

IS THERE A LINK BETWEEN THERAPEUTIC OUTCOME IN CHRONIC FATIGUE SYNDROME AND COMORBID DEPRESSION?

*Boudewijn Van Houdenhove, MD, PhD, Liaison Psychiatry, Patrick Luyten, PhD, Stefan Kempke, MA, Psychology, University of Leuven, Leuven, Belgium*

**228) Abstract 1646**

PREDICTORS OF RHEUMATOID ARTHRITIS PAIN AND FUNCTIONING: ALEXITHYMIA VERSUS THE BIG FIVE PERSONALITY TRAITS

*Allison M. Radcliffe, M.A., Jen Carty, Jay Cohen, Ph.D., Lynn Neely, Ph.D., Psychology, Angelia Mosley-Williams, MD, Internal Medicine, Ainoa Mayo, M.A., Anita Kalaj, B.A., Psychology, Wayne State University, Detroit, MI, Francis J. Keefe, Ph.D., Psychiatry, Duke University Medical Center, Durham, NC, Mark A. Lumley, Ph.D., Psychology, Wayne State University, Detroit, MI*

**229) Abstract 1371**

DO CONTROL BELIEFS AND RISK STATUS AFFECT PREGNANT WOMEN'S PERINATAL HEALTH CARE DECISIONS?

*Natalie R. Stevens, M.A., Cynthia W. Karlson, M.A., Nancy A. Hamilton, Ph.D., Psychology, University of Kansas, Lawrence, KS, Danielle E. Staecker, M.D., Obstetrics and Gynecology, University of Kansas Medical Center, Kansas City, KS, Ken A. Wallston, Ph.D., School of Nursing, Vanderbilt University, Nashville, TN, Kris Preacher, Ph.D., Psychology, University of Kansas, Lawrence, KS*

**230) Abstract 1750**

DIETARY HYDRATION FACTORS AND HYDRATION STATUS PREDICTORS OF CARDIOVASCULAR FUNCTION DURING REST AND PSYCHOLOGICAL STRESS AMONG ORAL CONTRACEPTIVE USERS AND NON-USERS

*Regina M. Warfel, B.S., Stephen M. Patterson, Ph.D., Diane M. Turcotte, B.S., Psychology, Ohio University, Athens, OH, Birgit A. Shanholtzer, M.S., Marshall University, Huntington, WV*

**231) Abstract 1187**

CO-MORBIDITY OF IRRITABLE BOWEL SYNDROME AND CHRONIC PELVIC PAIN: A ONE-YEAR FOLLOW-UP STUDY

*Denniz Zolnoun, MD, Caitlin E. Shaw, BS, Obstetrics and Gynecology, University of North Carolina at Chapel Hill, Chapel Hill, NC, Frank Tu, MD, Obstetrics and Gynecology, NorthShore University HealthSystem, Evanston, IL, Lindsey K. Eley, BS, Obstetrics and Gynecology, Matthew S. Conrad, BS, Dental Research, Jane Leserman, PhD, Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, NC*

**232) Abstract 1318**

BETA-ADRENERGIC RECEPTOR RESPONSIVITY, HISTORIES OF ABUSE AND PMDD

*Monica E. Lindgren, B.A., Psychiatry, Rebecca R. Klatzkin, M.A., Psychology, Alan L. Hinderliter, M.D., Cardiology, Kim Rozanski, BSN, Jane Leserman, Ph.D., Susan S. Girdler, Ph.D., Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, NC*

**233) Abstract 1705**

COMMUNAL CULTURAL ORIENTATION PREDICTS MATERNAL PRENATAL AND POSTPARTUM HEALTH BETTER THAN ETHNICITY AND SOCIOECONOMIC STATUS

*Cleopatra M. Abdou, Ph.D., Center for Social Epidemiology and Population Health, University of Michigan, Ann Arbor, MI, Christine Dunkel Schetter, Ph.D., Psychology, UCLA, Los Angeles, CA, Belinda Campos, Ph.D., Chicano Studies, UC Irvine, Irvine, CA, Clayton J. Hilmert, Ph.D., Psychology, North Dakota State University, Fargo, ND, Tyan Parker Dominguez, Ph.D., Social Work, USC, Los Angeles, CA, Calvin J. Hobel, MD, Maternal and Fetal Medicine, Cedars Sinai Medical Center, Los Angeles, CA, Laura Glynn, Curt Sandman, Ph.D., Psychiatry, UC Irvine, Irvine, CA*

**234) Abstract 1621**

STATINS REDUCE ORGASM: RESULTS FROM THE UCSD STATIN STUDY

*Beatrice A. Golomb, MD PhD, Julie A. Broadwin, PhD MPH, Medicine, Halbert L. White, PhD, Economics, Michael H. Criqui, MD MPH, Joel E. Dimsdale, MD, Medicine, University of California, San Diego, La Jolla, CA*

**235) Abstract 1186**

INTERVAL CHANGE IN POSTOPERATIVE PAIN REPORT AND PSYCHOLOGICAL CHARACTERISTICS AMONG WOMEN WITH ENDOMETRIOSIS

*Caitlin E. Shaw, BS, Kathleen Harper, MA, Denniz Zolnoun, MD, Obstetrics and Gynecology, University of North Carolina at Chapel Hill, Chapel Hill, NC*

**236) Abstract 1188**

AN EVALUATION OF PAIN AND PSYCHOLOGICAL OUTCOMES UP TO 1-YEAR POST-TREATMENT FOR CHRONIC PELVIC PAIN

*Caitlin E. Shaw, BS, Denniz Zolnoun, MD, Lindsey K. Eley, BS, John F. Steege, MD, Obstetrics and Gynecology, Jane Leserman, PhD, Psychiatry, University of North Carolina at Chapel Hill, NC*

**237) Abstract 1760**

DIFFERENCES IN DIETARY CONSUMPTION OF CARBOHYDRATES, FAT, AND CHOLESTEROL BETWEEN ORAL CONTRACEPTIVE USERS AND NON-USERS

*Diane M. Turcotte, B.S., Regina M. Warfel, B.S., Stephen M. Patterson, Ph.D., Psychology, Ohio University, Athens, OH*

**238) Abstract 1058**

WHAT PSYCHOSOCIAL FACTORS ARE IMPORTANT FOR DEPRESSION DURING PREGNANCY?

*Adomas Bunevicius, MD, Laima Kusminskas, MD, Institute of Psychophysiology and Rehabilitation, Palanga, Lithuania, Victor Pop, Department of Psychology and Health, Tilburg University, The Netherlands, Robertas Bunevicius, Institute of Psychophysiology and Rehabilitation, Palanga, Lithuania*

**239) Abstract 1439**

LONG-TERM HEALTH CONSEQUENCES OF CHILDHOOD SEXUAL ABUSE: A META-ANALYTIC REVIEW

*Leah A. Irish, MA, Ithori Kobayshi, MA, Douglas Delahanty, PhD, Psychology, Kent State University, Kent, OH*

**240) Abstract 1527**

INFLAMMATION LEVELS IN MIDLIFE WOMEN WITH HISTORIES OF RELATIONSHIP STRESS

*Tamara L. Newton, Ph.D., Department of Psychological & Brain Sciences, Rafael Fernandez-Botran, Ph.D., James J. Miller, Ph.D., Department of Pathology and Laboratory Medicine, Vicki Ellison Burns, Ph.D., School of Nursing, University of Louisville, Louisville, KY*

**241) Abstract 1591**

PROFESSIONAL STRESS IS GENDER DEPENDENT IN MEDICAL DOCTORS

*Laura I. Poanta, PhD, 2nd Medical Department, University of Medicine and Pharmacy Iuliu Hatieganu, Cluj Napoca, Cluj, ROMANIA, Dan L. Dumitrascu, PhD, 2nd Medical Department, University of Medicine and Pharmacy Iuliu Hatieganu, Cluj Napoca, Cluj, ROMANIA*

**242) Abstract 1099**

HIGHER DEHYDROEPIANDROSTERONE-SULFATE (DHEA-S) LEVELS ARE ASSOCIATED WITH LOWER LEVELS OF DAILY STRESS: EVIDENCE FROM THE PENN STATE HOTEL WORK AND WELL-BEING STUDY

*Courtney A. Whetzel, Ph.D., Biobehavioral Health, Kelly D. Davis, Ph.D., Human Development and Family Studies, Jeanette M. Bennett, M.S., Biobehavioral Health, David M. Almeida, Ph.D., Human Development and Family Studies, Ann C. Crouter, Ph.D., College of Health and Human Development, Laura C. Klein, Ph.D., Biobehavioral Health, The Pennsylvania State University, University Park, PA*

**243) Abstract 1780**

CHRONIC STRESS BURDEN AND AGE PREDICTS ALLOSTATIC LOAD IN ETHNIC WOMEN WITH ADVERSE CHILDHOOD EXPERIENCES

*Lekeisha A. Sumner, PhD, Psychiatry & Biobehavioral Sciences, Hector F. Myers, PhD, Psychology, Jennifer Carmona, PhD, Tamra Loeb, PhD, Psychiatry & Biobehavioral Sciences, Gail Wyatt, PhD, Psychology, University of California, Los Angeles, Los Angeles, CA*

**244) Abstract 1709**

FATHERS EDUCATION PREDICTS EVERYDAY SOCIAL SUPPORT IN SOCIAL INTERACTIONS AMONG HEALTHY MIDDLE-AGED BLACK ADULTS

*Danielle L. Beatty, Ph.D., Psychiatry, University of Pittsburgh, Pittsburgh, PA, Thomas A. Kamarck, Ph.D., Psychology, University of Pittsburgh, Pittsburgh, PA*

**245) Abstract 1051**

SELF-REPORTED HEALTH AND CARDIOVASCULAR REACTIONS TO PSYCHOLOGICAL STRESS IN A LARGE COMMUNITY SAMPLE: CROSS-SECTIONAL AND PROSPECTIVE ASSOCIATIONS

*Anna C. Phillips, PhD, School of Sport & Exercise Sciences, University of Birmingham, Birmingham, West Midlands, UK, Geoff Der, PhD, MRC Social & Public Health Sciences Unit, University of Glasgow, Glasgow, Scotland, UK, Douglas Carroll, PhD, School of Sport & Exercise Sciences, University of Birmingham, Birmingham, West Midlands, UK*

**246) Abstract 1147**

CHALLENGE AND THREAT APPRAISAL ARE PREDICTIVE OF DIFFERENTIAL HEMODYNAMIC REACTIVITY PATTERNS IN A REAL-LIFE STRESSOR (PUBLIC SPEAKING)

*Ydwine J. Zanstra, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, Pennsylvania, Derek W. Johnston, PhD, Psychology, University of Aberdeen, Aberdeen, Scotland, UK*

**247) Abstract 1154**

THE CORTISOL AWAKENING RESPONSE, SEASONALITY, STRESS AND AROUSAL: A STUDY OF TRAIT AND STATE INFLUENCES

*Lisa Thorn, PhD, Department of Psychology, Frank Hucklebridge, PhD, Department of Human and Health Sciences, Phil Evans, PhD, Angela Clow, PhD, Department of Psychology, University of Westminster, London, UK*

**248) Abstract 1641**

ACHIEVEMENT GOALS PREDICT CARDIOVASCULAR RESPONSES TO A PERFORMANCE TASK

*Victoria E. Burns, PhD, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, West Midlands, UK, Rebecca Morris, PhD, School of Science and Technology, Nottingham Trent University, Nottingham, Nottinghamshire, UK, Jet Veldhuijzen van Zanten, PhD, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, West Midlands, UK, Toby Mundel, PhD, Institute of Food, Nutrition, and Human Health, Massey University, Palmerston North, New Zealand, Kate M. Edwards, PhD, Anna Phillips, PhD, Maria Kavussanu, PhD, Joan L. Duda, PhD, Douglas Carroll, PhD, School of Sport and Exercise Sciences, University of Birmingham, Birmingham, West Midlands, UK*

**249) Abstract 1755**

SIMPLE AND UNIQUE EFFECTS OF AGE AND HEART RATE VARIABILITY ON PSYCHOMOTOR SPEED

*Larry D. Keen II, B.A., Jules Harrell, Doctorate, Alfonso Campbell, PhD, Psychology, Howard University, Washington, DC, Clive Callender, MD, Transplant Center, Howard University Hospital, Washington, DC*

**250) Abstract 1762**

THE EFFECT OF NEUROTICISM ON CARDIOVASCULAR REACTIVITY AND RECOVERY DURING A PAIRED SOCIAL STRESSOR TASK

*James G. Hutchinson, M.S., Psychology, Washington State University, Pullman, WA, John M. Ruiz, Ph.D., Psychology, University of North Texas, Denton, TX*

**251) Abstract 1763**

GENDER ROLE MODERATES HEART RATE VARIABILITY RESPONSE AND EYE CONTACT DURING INTERPERSONAL STRESS

*Paula R. Prentice, B.S., Matthew Whited, M.S., Lauren Penwell, B.A., Kevin T. Larkin, Ph.D., Chelsea M. Ale, M.S., Chrissy Kemmner,, Kirsten Sundin,, Amanda L. Wheat, B.A., Psychology, West Virginia University, Morgantown, WV*

**252) Abstract 1306**

ATTITUDES TOWARD SEEKING MEDICAL HELP: DEVELOPMENT OF A COMPREHENSIVE MEASURE

*Terry A. DiLorenzo, PhD, Psychology, Stern College for Women, Yeshiva University, New York, NY, Edward H. Fischer, PhD, Ellen A. Dornelas, PhD, Cardiology, Hartford Hospital, Hartford, CT*

**253) Abstract 1652**

NEURAL BASIS FOR HUMAN SENSITIVITY TO EMOTIONAL CHANGES OF FACIAL EXPRESSION: AN FMRI STUDY

*Yoshiya Moriguchi,, Psychosomatic Research, National Institute of Mental Health, NCNP, Kodaira, Tokyo, Japan, Richard D. Lane,, Psychiatry, Psychology, and Neuroscience, University of Arizona, Tucson, AZ, Kevin S. Labar,, Cognitive Neuroscience, Duke Univ, Durham, NC, Gen Komaki,, Psychosomatic Research, National Institute of Mental Health, NCNP, Kodaira, Tokyo, Japan*

**254) Abstract 1653**

CARDIO-RESPIRATORY REACTIVITY TO A STANDARDIZED SOCIAL STRESSOR IN PRESCHOOL CHILDREN: A PILOT STUDY

*Catherine Dodson, B.A., Thomas Ritz, PhD, Renee McDonald, PhD, Clinical Psychology, Southern Methodist University, Dallas, TX*

**255) Abstract 1521**

PSYCHOPHYSIOLOGICAL EFFECTS OF CONTINUED EFFORTS OF THE EXERCISE IN THE ELDERLY PEOPLE IN JAPAN

*Tokiko Isowa,, Geriatric Nursing, Mie University, Tsu, Japan, Atsuko Uchida,, Nursing, Asakusa Comprehensive Community Support Center, Tokyo, Japan, Chieko Greiner,, Nursing, The Japanese Red Cross College of Nursing, Tokyo, Japan, Shiho Sawai,, exercise physiology, Joshibi University of Art and Design, Tokyo, Japan, Seikou Murashima,, Internal Medicine, Mie prefectural college of nursing, Tsu, Japan, Masao Kanamori,, population health, Biwako Seikei Sport College, Shiga, Japan, Mizue Suzuki,, Nursing, Hamamatsu University School of Medicine, Shizuoka, Japan*

**256) Abstract 1597**

RANDOMIZED TRIAL OF QIGONG IN WOMEN WITH BREAST CANCER UNDERGOING RADIATION TREATMENT

*Zhen Chen, MD, PhD, Fudan University Cancer Hospital, Shanghai, China, M. D. Anderson Cancer Center, TX, Bob Thornton, MPH, Wenying Bei, RN, Ying Zhang, RN, Zhiqiang Meng, MD, PhD, Zhongxing Liao, MD, Qi Wei, MS, Jiayi Chen, MD, Xiaomao Guo, MD, Luming Liu, MD, Jennifer McQuade, BS, Lorenzo Cohen, PhD, Fudan University Cancer Hospital, Shanghai, China, M. D. Anderson Cancer Center, Houston, TX, USA*

**257) Abstract 1157**

THE ROLE OF SELF-CRITICISM, DEPENDENCY AND STRESS IN THE DEVELOPMENT OF PHYSICAL SYMPTOMS OF ANXIETY: A MULTI-WAVE LONGITUDINAL STUDY

*Chenchen Zhang, M.D., Shuqiao Yao, M.D. Ph.D., Psychology, Second Xiangya Hospital, Central South University, Changsha, Hunan, China, John R. Abela, Ph.D., Psychology, University of Rutgers, Piscataway, New Jersey*

**258) Abstract 1370**

**ATTACHMENT STYLE AND HPA AXIS DYSREGULATION IN HEALTHY FEMALE ADOLESCENTS**

*Andrea Oskis, BSc, Angela Clow, PhD, Department of Psychology, Frank Hucklebridge, PhD, Department of Human and Health Sciences, Catherine Loveday, PhD, Cognitive Science Research Unit, University of Westminster, London, UK*

**259) Abstract 1185**

**ATHEROSCLEROTIC DISEASE RISK AND ALZHEIMER'S CAREGIVING: POTENTIAL PATHWAYS AND FUTURE DIRECTIONS**

*Susan K. Roepke, B.A., Psychiatry, San Diego State University/University of California, La Jolla, CA, Matthew Allison, M.D., Family and Preventive Medicine, Alexandria Harmell, B.A., Psychiatry, Michael G. Ziegler, MD, Medicine, Joel E. Dimsdale, MD, Paul J. Mills, PhD, Sonia Ancoli-Israel, PhD, Thomas L. Patterson, PhD, Brent T. Mausbach, PhD, Psychiatry, University of California San Diego, La Jolla, CA, Roland von Kaenel, MD, Department of General Internal Medicine, University Hospital, Berne, na, Switzerland, Igor Grant, MD, Psychiatry, University of California San Diego, La Jolla, CA*

**260) Abstract 1567**

**STRESS EATING IN THE LAB PREDICTS ABDOMINAL FAT ACCUMULATION**

*Lisa M. Groesz, PhD, Psychiatry, University of California, San Francisco, San Francisco, CA, Imke Schamarek, BA, Hana Tylova-Stein, BA, Melanie Sun, BA, Jessica Chan, BS, Alanie Lazaro, BA, Elissa Epel, PhD, Psychiatry, University of California San Francisco, San Francisco, CA*

6:30 - 8:00 pm

**SPECIAL INTEREST GET-TOGETHERS**

You must have registered to attend these informal events. Please visit the APS Registration Desk to determine availability.

**Clinician's Interests**

*DuPage Room*

*Hosts: Karen Weihs, MD and Kristina-Orth-Gomer, MD*

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

**Ethnic Disparities**

*Cook Room*

*Hosts: Kristen Salomon, PhD; Tené T. Lewis, PhD; and Craig K. Ewart, PhD*

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

**Neuroscience and Psychosomatic Medicine**

*Kansas City Room*

*Hosts: Scott Matthews, MD and Peter Gianaros, PhD*

This informal get together will provide clinicians and researchers the opportunity to exchange ideas. The goals of this event are to: 1) provide a forum for discussing published and unpublished neuroscience research, 2) address the implications of this research for the clinical care of individuals with psychosomatic disorders, and 3) create an opportunity for developing future collaborations.

**Functional Somatic Syndrome**

*Denver Room*

*Host: Urs Nater, PhD*

This special interest dinner will allow participants to discuss the current state of research and conceptual issues regarding FSS in an informal setting. Researchers and practitioners working in the fields of functional gastrointestinal disorders, chronic fatigue syndrome, fibromyalgia, somatoform disorders, etc. are particularly encouraged to participate and engage in productive interactions on a variety of topics regarding FSS.

**Psychoneuroimmunology (PNI) Research Across the Life Course**

*Kane Room*

*Hosts: Aric Prather, MS and Suzi Hong, PhD*

This special interest happy hour will provide researchers currently working in the field of PNI and those new to this area of study the opportunity to exchange research ideas in an informal and interactive setting. The goal of this happy hour is to: 1) provide a forum for open discussion of recently published and exciting unpublished findings, 2) discuss methodological difficulties and potential solutions, and 3) provide opportunities for the development of future research collaborations.

## Saturday, March 7, 2009

6:00 - 6:30 am	<b>YOGA</b> Bring your mat to join meeting delegates at a self-directed yoga session - start your day the right way!	<i>McHenry Room</i>
7:00 am - 5:00 pm	<b>REGISTRATION</b>	<i>Chicago Ballroom Foyer</i>
7:00 am - 6:00 pm	<b>STUDENT LOUNGE</b>	<i>Chicago Ballroom H</i>
7:30 - 8:00 am	<b>MEMBERSHIP COMMITTEE MEETING</b> <i>by invitation only</i>	<i>Kansas City Room</i>
8:00 - 9:00 am	<b>COMMITTEE/SPECIAL MEETINGS</b>	
	<b>Psychosomatic Medicine Interest Group Meeting</b> <i>Facilitator: Leo Pozuelo, MD, FACP</i> Past, present and future PMIG leaders and participants are encouraged to join this discussion of the Psychosomatic Medicine Interest Groups.	<i>Kansas City Room</i>
	<b>2009 and 2010 Program Committee Meeting</b> <i>Facilitators: Christoph Herrmann-Lingen, MD; Scott Matthews, MD; and Joshua Smyth, PhD</i> Members of the 2009 and 2010 Program Committees are invited to this session to review the 2009 meeting and plan for the 2010 meeting.	<i>Denver Room</i>
	<b>Liaison Committee Meeting</b> <i>by invitation only</i>	<i>Cook Room</i>
9:00 - 10:00 am	<b>BUSINESS MEETING</b>	<i>Chicago Ballroom A-D</i>
10:00 - 10:45 am	<b>ALVIN P. SHAPIRO AWARD LECTURE</b>	<i>Chicago Ballroom A-D</i>
	<b>Social Stratification and the Biology of Misfortune: How Early Adversity Becomes Stress Reactivity</b> <i>Chair: Edith Chen, PhD</i> <i>Presenter: W. Thomas Boyce, MD</i> Liability to persistent health conditions, such as chronic biomedical disease, presyndromal psychopathology, and developmental disorders, is not evenly distributed within groups of children. Rather, a small segment of the childhood population bears a disproportionate burden of risk for the morbidities that clinicians see and treat. A growing body of work suggests that this excessive risk for disorder is co-determined by: a) compromised early environments, such as those found in resource-poor families and communities, b) experiences of subordination and social marginality, and c) a <i>neurobiological sensitivity to social context</i> operating at the levels of behavior, neural circuitry and gene expression. Taken together, these interactive risk factors delineate a <i>biology of misfortune</i> that places some children on developmental trajectories toward lifelong patterns of ill health and unrealized potential.	
10:45 - 11:00 am	<b>BREAK</b>	
11:00 am - 12:30 pm	<b>INVITED PLENARY SYMPOSIUM</b>	<i>Chicago Ballroom A-D</i>
	<b>Processes of Aging and Health: From Mechanisms to Interventions</b> <i>Chair: Shari R. Waldstein, PhD</i> <i>Presenters: Leslie I. Katzel, MD, PhD and Thomas Glass, PhD</i> Life expectancy has increased more in the last century than at any other time in human history, and older adults represent an increasingly large proportion of many populations around the world. As a	

result, the health and well-being of many societies will depend on efforts to ensure that gains in length of life are accompanied by improvements in health and quality of life. This symposium will explore connections between basic biological processes of aging and health, and the role of behavioral and psychosocial factors in promoting healthy aging.

**\* Healthy and Successful Aging: Benefits of Exercise**

*Leslie I. Katzel, MD, PhD*

The impact of aging on health and physiological function is accelerated by adverse lifestyle, preventable diseases, inadequate control of medical conditions and poor management of risk factors for disease. Successful aging is multidimensional. This presentation focuses on the benefits of physical activity and exercise on longevity, functional performance, cardiovascular risk factors and cognitive function in older adults. Strategies for successful aging and health promotion over the life-span are emphasized.

**\* The Icing Problem: Connecting Social Context, Successful Aging and Biology**

*Thomas Glass, PhD*

It is now well recognized that social context is important for health in late life. Various aspects of social functioning including stress, socioeconomic status, social integration and environmental stress have been associated with a variety of outcomes in late life. All now recognize that the health and functioning of older adults is a result of "multilevel" influences. However, biomedical science has been occupied with individual-level explanation for a century. We must now confront key problems in conducting truly multilevel science. This talk focuses on three issues: a) what is known about the role of social context and successful aging, b) how does social context connect to biological processes, and c) the "icing problem". The latter refers to the challenge of understanding how multiple levels of influence, from social context to behavior to biology connect. Through what medium are the influences of upstream social processes transferred at the individual level? What happens in the space between levels? Using theory and illustrative examples from a research program, the concept of risk regulators is presented as a potential solution to the icing problem. Finally, potential pitfalls inherent within the concept of "successful" aging are described.

12:30 - 1:45 pm

**ROUNDTABLE LUNCHES/ COMMITTEE MEETINGS (OR LUNCH ON YOUR OWN)**

**Successful Aging Roundtable: Definitions and Dilemmas**

*Denver Room*

*Facilitators: Carlos Mendes de Leon, PhD and Tara Gruenewald, PhD*

Our nation's future health and health care resources will depend, in part, on the ability to promote and ensure successful aging in our rapidly growing older adult population. The concept of successful aging has become a cornerstone for efforts focused on identifying the factors and interventions that promote aging well. Despite strong interest in successful aging as a framework in research, medical, and policy arenas, a number of conceptual and methodological issues plague the field. One important challenge is the lack of a uniform definition of successful aging, which has led to significant confusion about what the term really means. Another challenge is that the use of a standard described as 'successful' may be harmful to or victimize those with few resources to maintain or achieve that standard. On the other hand, and despite these difficulties, researchers in the field have identified a number of promising practices and interventions that appear to contribute to aging successfully. This roundtable will provide attendees with an opportunity to engage in discussions about these issues, as well as to share their thoughts about the field. To stimulate discussion, roundtable chairs will provide a short overview of these issues and then open the floor for a discussion amongst attendees.

**Cancer Across the Life Course and Behavioral and Clinical Implications Roundtable**

*Houston Room*

*Facilitators: Kevin C. Oeffinger, MD; Steve Cole, PhD; and Susan Lutgendorf, PhD*

The speakers from the NCI cancer symposium will further discuss their data and answer questions in a more intimate roundtable setting.- Organized by Suzi Hong, PhD and Paige McDonald, PhD.

**Bioethics Roundtable**

*Kansas City Room*

*Facilitator: Leslie I. Katzel, MD, PhD*

This bioethics roundtable will address some ongoing "hot topic" issues facing those involved in biomedical, social, behavioral, and educational research. Using a case-based approach, discussion topics will include: managing incidental finding in human subjects research; reporting of unanticipated problems; research in subjects with decisional-impairment; and other topics of interest to attendees. Participants will gain insight into areas in which modifications and enhancement to their policies and procedures may be needed.

## CONCURRENT SESSIONS

**Paper Session: The Bi-directional Nature of Psychological Factors and Heart Disease****Chicago Ballroom A-C***Chair: Simon L. Bacon, PhD***Abstract 1179**

VITAL EXHAUSTION AND DEPRESSION AS INDEPENDENT PREDICTORS OF CARDIOVASCULAR DISEASE(HUNGARIAN EPIDEMIOLOGICAL PANEL 2002\_2006)

*Piroska Balog, PhD, Institute of Behavioral Sciences, Semmelweis University, Budapest, Hungary, Paul Falger, PhD, Faculty of Health, Medicine & Life Sciences, Maastricht University Medical Center, Maastricht, Netherlands, György Purebl, MD, PhD, Institute of Behavioral Sciences, Semmelweis University, Budapest, Nagyváradi tér 4, Hungary, Andrea Székely, MD, PhD, Cardiology, Gottsegen György National Institute of Cardiology, Budapest, Hungary, Orsolya Szent-Imrey, phd-student, Maria S. Kopp, MD, PhD, Institute of Behavioral Sciences, Semmelweis University, Budapest, Hungary***Abstract 1110**

IMPACT OF ACUTE CORONARY SYNDROME ON INCIDENT DEPRESSION IN THE GENERAL POPULATION

*Juan F. Roy, PhD, Psychology, University of Zaragoza and CIBERSAM, Zaragoza, Aragon, Spain, Concepcion De la Camara, MD/PhD, Tirso Ventura, MD/PhD, Medicine and Psychiatry, University of Zaragoza, Zaragoza, Spain, Miguel A. Quintanilla, MD/PhD, Psychiatry, Hospital Clinico Universitario Lozano Blesa, Zaragoza, Spain, Joost P. van Melle, MD/PhD, Department of Cardiology, Thoraxcenter, Peter de Jonge, Professor, Psychiatry, University Medical Center Groningen, Groningen, The Netherlands, Guillermo Marcos, Professor, Public Health, Pedro Saz, Professor, Psychiatry, University of Zaragoza, Zaragoza, Spain, Andres Martin, MD, Psychiatry, Hospital Clinico Universitario, Zaragoza, Spain, Antonio Lobo, Professor, Psychiatry, University of Zaragoza, Zaragoza, Spain***Abstract 1665**

PREDICTORS OF HOPELESSNESS IN PATIENTS WITH ACUTE CORONARY SYNDROME

*Rebecca L. Reese, M.A., Kenneth E. Freedland, Ph.D., Psychiatry, Washington University School of Medicine, St. Louis, Missouri, Judith A. Skala, Ph.D., Psychology, Veteran's Administration Medical Center, Aztec, New Mexico, Brian C. Steinmeyer, M.S., Robert M. Carney, Ph.D., Psychiatry, Washington University School of Medicine, St. Louis, Missouri***Abstract 1300**

TRAJECTORIES OF ANXIETY AND DEPRESSIVE SYMPTOMS IN PATIENTS WITH AN IMPLANTABLE DEFIBRILLATOR

*Krista C. Van den Broek, PhD, Robert Smith, MSc, CoRPS - Medical Psychology, Tilburg University, Tilburg, The Netherlands, Albert Meijer, PhD, MD, Department of Cardiology, Catharina Hospital, Eindhoven, The Netherlands, Marco Alings, PhD, MD, Department of Cardiology, Amphia Hospital, Breda, The Netherlands, Johan Denollet, PhD, Ivan Nyklicek, PhD, CoRPS - Medical Psychology, Tilburg University, Tilburg, The Netherlands***Abstract 1285**

PROGNOSTIC ASSOCIATION OF DEPRESSION FOLLOWING MYOCARDIAL INFARCTION WITH CARDIAC PROGNOSIS: AN UPDATED META-ANALYSIS

*Anna Meijer, MSc, Jerry van Riezen, Bachelor of Medicine, Psychiatry, University Medical Center Groningen, Groningen, The Netherlands, Peter de Jonge, PhD, Internal Medicine and Psychiatry, University of Groningen, Groningen, The Netherlands***Abstract 1296**

ARE THE EFFECTS OF DEPRESSION ON CARDIOVASCULAR PROGNOSIS IN PATIENTS WITH STABLE CORONARY HEART DISEASE RESTRICTED TO SOMATIC SYMPTOMS?

*Petra W. Hoen, Bachelor of Medicine, Psychiatry, University Medical Center Groningen, Groningen, The Netherlands, Mary A. Whooley, MD, Epidemiology, V.A. Medical Center San Francisco, San Francisco, California, Elisabeth J. Martens, PhD, Psychology, Tilburg University, Tilburg, The Netherlands, Peter de Jonge, PhD, Psychiatry, University Medical Center Groningen, Groningen, The Netherlands***Abstract 1052**

TREATMENT OF POST MYOCARDIAL INFARCTION MAJOR DEPRESSIVE DISORDER AND LOW HEART RATE VARIABILITY: THE EFFECTS OF CARDIORESPIRATORY BIOFEEDBACK AND DIALECTICAL BEHAVIORAL THERAPY

*Priya Chaudhri, Ph.D., Preventive Cardiology, Hartford Hospital, Hartford, CT*

**Paper Session: Stress & Heart**

**Chicago Ballroom D**

*Chair: Kristen Salomon, PhD*

**Abstract 1261**

RELATIONSHIP BETWEEN EXHAUSTION AND DEPRESSIVE SYMPTOMS, AND CHANGES IN FIBRIN D-DIMER TO ACUTE PSYCHOSOCIAL STRESS IN TEACHERS

*Roland von Känel, General Internal Medicine, University Hospital, Bern, Switzerland, Silja Bellingrath, Brigitte M. Kudielka, Jacobs University, Bremen, Germany*

**Abstract 1118**

PROLONGED CARDIAC EFFECTS OF MOMENTARY ASSESSED STRESSFUL EVENTS AND WORRY EPISODES.

*Jos F. Brosschot, PhD, Clinical, Health and Neuropsychology, Leiden University Inst. of Psychological Research, Leiden, The Netherlands, Suzanne Pieper, MSc, Child and Education Studies, Faculty of Social and Behavioral Sciences, Leiden, The Netherlands, Rien van der Leeden, Methods and Statistics, Leiden University Inst. of Psychological Research, Leiden, The Netherlands, Julian F. Thayer, PhD, Psychology, The Ohio State University, Columbus, Ohio*

**Abstract 1315**

ANGRY RUMINATION PREDICTS STRESS PROVOKED INCREASE IN ENDOTHELIN-1 AMONG PATIENTS WITH CORONARY ARTERY DISEASE

*Antonio B. Fernandez, MD, Section of Cardiovascular Medicine, Yale University School of Medicine, New Haven, CT, Robert Soufer, MD, Dorothea Collins, Section of Cardiovascular Medicine, Yale University School of Medicine, West Haven, CT, Hooman Ranjbaran, MD, Aaron Soufer, Brendon Graeber, Matthew M. Burg, PhD, Section of Cardiovascular Medicine, Yale University School of Medicine, New Haven, CT*

**Abstract 1238**

THE FRUITS OF ONES LABOR: EFFORT-REWARD IMBALANCE BUT NOT JOB STRAIN IS RELATED TO HEART RATE VARIABILITY ACROSS THE DAY IN 35-44 YEAR OLD WORKERS

*Adrian Loerbroks, MSc, Volker Haxsen, PhD, Julian F. Thayer, PhD, Joachim E. Fischer, MD, MSc, Mannheim Institute of Public Health, University of Heidelberg, Mannheim, Germany*

**Abstract 1688**

MOMENTARY INDICES OF POSITIVE AND NEGATIVE AFFECT ARE ASSOCIATED WITH CARDIAC PARASYMPATHETIC REGULATION

*Richard P. Sloan, PhD, Peter A. Shapiro, MD, Ethan E. Gorenstein, PhD, Felice A. Tager, PhD, Catherine E. Monk, PhD, Emilia Bagiella, PhD, Psychiatry, Columbia University, New York, NY, Paula S. McKinley, PhD, Psychiatry, Columbia University, New York, New York, Ivy Chen, MA, Michael M. Myers, PhD, Psychiatry, Columbia University, New York, NY*

**Abstract 1599**

INCREASED RESTING CORTICOLIMBIC PERFUSION PREDICTS EXAGGERATED STRESSOR-EVOKED BLOOD PRESSURE REACTIVITY

*Peter J. Gianaros, PhD, L K. Sheu, PhD, A M. Remo, MS, I C. Christie, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, H D. Critchley, MD, Psychiatry, Brighton and Sussex Medical School, Brighton, UK, J J. Wang, PhD, Radiology and Neurology, University of Pennsylvania, Philadelphia, PA*

**Abstract 1145**

TRAIT SYMPTOM REPORTING, MYOCARDIAL ISCHEMIA, AND CHEST PAIN PERCEPTION IN PATIENTS UNDERGOING EXERCISE STRESS TESTING

*Nadine S. Bekkouche, Medical and Clinical Psychology, Uniformed Services University, Bethesda, MD, Kim L. Lavoie, Montreal Behavioural Medicine Centre, Montreal Heart Institute, Montreal, Quebec, Canada, Andre Arseneault, Blaine Ditto, Simon L. Bacon, Montreal Behavioural Medicine Centre, Montreal Heart Insitute, Montreal, Quebec, Canada*

**Paper Session: HPA Axis II**

**Chicago Ballroom F-G**

*Chair: Doug Delahanty, PhD*

**Abstract 1645**

NORM DATA FOR CIRCADIAN CORTISOL SECRETION: THE CIRCORT DATABASE

*Clemens C. Kirschbaum, Prof., Biopsychology, Technical University of Dresden, Dresden, Germany, Joachim E. Fischer, Prof., Mannheim Institute of Public Health, University of Heidelberg, Mannheim, Germany*

**Abstract 1633**

**CORTISOL IN HAIR: A BIOLOGICAL MARKER OF CHRONIC STRESS**

*Clemens Kirschbaum, PhD, Lucia Dettenborn, PhD, Antje Tietze, Dipl.-Psych., Nadine Skoluda, (Student), Psychology, Technische Universitaet Dresden, Dresden, Saxony, Germany, Ingibjörg Jonsdottir, PhD, Institutet för stressmedicin, Institutet för stressmedicin, Frölunda, Gothenburg, Sweden, Franka Bruckner, Dipl.-Psych., Kathrin Siegert, Dipl.-Psych., Psychology, Technische Universitaet Dresden, Dresden, Saxony, Germany*

**Abstract 1444**

**ELEVATED MACROPHAGE MIGRATION INHIBITORY FACTOR (MIF) AND FLATTENED DIURNAL CORTISOL IN INDIVIDUALS REPORTING HIGH LEVELS OF DEPRESSIVE SYMPTOMS**

*Kate M. Edwards, PhD, Jos A. Bosch, PhD, School of Sport and Exercise Sciences, University of Birmingham, Edgbaston, UK, Chris G. Engeland, PhD, Department of Periodontics, University of Illinois at Chicago, IL, John T. Cacioppo, PhD, Department of Psychology, University of Chicago, IL, Phillip T. Marucha, PhD, Department of Periodontics, University of Illinois at Chicago, IL*

**Abstract 1189**

**PLACENTAL CRH AND POSTPARTUM DEPRESSIVE SYMPTOMS**

*Ilona S. Yim, PhD, Psychology and Social Behavior, University of California, Irvine, CA, Laura M. Glynn, PhD, Psychiatry and Human Behavior and Psychology, University of California and Chapman University, Orange, CA, Chris Dunkel Schetter, PhD, Psychology, University of California, Los Angeles, CA, Calvin Hobel, MD, Obstetrics and Gynecology, Cedars-Sinai Medical Center, Los Angeles, CA, Aleksandra Chicz-DeMet, PhD, Psychiatry and Human Behavior, University of California, Irvine, CA, Curt A. Sandman, PhD, Department of Psychiatry and Human Behavior, University of California, Orange, CA*

**Abstract 1231**

**ATTENUATION OF THE CORTISOL AWAKENING RESPONSE OVER THE COURSE OF HUMAN PREGNANCY IS ASSOCIATED WITH LENGTH OF GESTATION**

*Claudia Buss, PhD, Entringer Sonja, PhD, Cammack L. Alison, M.Sci, Jonazary F. Reyes, B.Sc., Aleksandra Chicz-DeMet, PhD, Sandman A. Curt, PhD, Wadhwa D. Pathik, MD/PhD, Psychiatry and Human Behavior, University of California Irvine, Orange, CA*

**Abstract 1683**

**LINKING DISTAL ENVIRONMENTAL STATES TO PROXIMAL ENDOCRINE STATES VIA SUBJECTIVE DYSPHORIA AND RUMINATIVE PROCESSES IN THE NATURAL ENVIRONMENT**

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

**Abstract 1249**

**SYNCHRONY BETWEEN DAILY SALIVARY MELATONIN AND CORTISOL LEVELS: IMPACT OF SLEEP AND STRESSORS**

*Jeanette M. Bennett, M.S., Biobehavioral Health, Robert S. Stawski, Ph.D., Gerontology Center, Courtney A. Whetzel, Ph.D., Biobehavioral Health, David M. Almeida, Ph.D., Human Development and Family Studies, Laura C. Klein, Ph.D., Biobehavioral Health, The Pennsylvania State University, University Park, PA*

3:30 - 3:45 pm

**BREAK**

3:45 - 5:00 pm

**CONCURRENT SESSIONS**

**Symposium 1288: Mindfulness-Based Intervention for Chronic Disorders Comes of Age: Evidence from Randomized Controlled Trials Points toward Enhancement of Wellbeing**

**Chicago Ballroom A-C**

*Chair: Paul Grossman, PhD*

*Paul Grossman, Ph.D., Psychosomatic Medicine, Division of Internal Med., University of Basel Hospital, Basel, Switzerland, Maryanne Reilly-Spong, PhD, Cynthia R. Gross, PhD, College of Pharmacy, University of Minnesota, Minneapolis, MN, Gina T. Eubanks, BA, Cardiology, Emory University, Decatur, Georgia, Bill Gayner, MSW, Social Work, University of Toronto, Toronto, Ontario, Canada, Jean Kristeller, Ph.D., Psychology, Indiana State University, Terre Haute, Indiana*

**Individual Abstract Number: 1310**

**MINDFULNESS-BASED STRESS REDUCTION FOR MULTIPLE SCLEROSIS PATIENTS**

*Paul Grossman, PhD, Claudia Steiner, MA, Psychosomatic Medicine, Div. of Internal Med., Henrik Gensicke, MD, Neurology, Div. of Internal Med., University of Basel Hospital, Switzerland, Iris Penner, PhD, Psychology, University of Basel, Switzerland, Marcus D'Souza, MD, Neurology, Div. of Internal Med., Ludwig Kappos, MD, Neurology, Div. of Internal Med., University of Basel Hospital, Switzerland*

**Individual Abstract Number: 1321**

MINDFULNESS TRAINING TO REDUCE SYMPTOMS IN SOLID ORGAN TRANSPLANT RECIPIENTS: RESULTS OF A RANDOMIZED CONTROLLED TRIAL

*Maryanne Reilly-Spong, PhD, College of Pharmacy, Cynthia R. Gross, PhD, College of Pharmacy and School of Nursing, Mary Jo Kreitzer, PhD, Center for Spirituality & Healing, William Thomas, PhD, Biostatistics, Hassan N. Ibrahim, MD, Internal Medicine Renal Division, University of Minnesota, Minneapolis, MN, Michel A. Cramer-Bornemann, MD, Minnesota Regional Sleep Disorders Center, Hennepin County Medical Center, Minneapolis, MN, John A. Nyman, PhD, School of Public Health, Patricia A. Frazier, PhD, Psychology, University of Minnesota, Minneapolis, MN*

**Individual Abstract Number: 1342**

THE EFFECTS OF MINDFULNESS BASED STRESS REDUCTION ON PERCEIVED COPING SKILLS IN PATIENTS WITH CORONARY ARTERY DISEASE

*Gina T. Eubanks, BA, Department of Medicine, Division of Cardiology, Emory University, Decatur, Georgia, Mustafa Hassan, MD, Qin Li, MS, Medicine, University of Florida, Gainesville, FL, David S. Sheps, MD, MSPH, Medicine, Division of Cardiology, Emory University, Decatur, Georgia*

**Individual Abstract Number: 1405**

MINDFULNESS FOR MEN LIVING WITH HIV

*Bill Gayner, MSW, Social Work, Mary Jane Esplen, PhD, Nursing and Psychiatry, Peter DeRoche, MD, Scott Bishop, PhD, Psychiatry, University of Toronto, Toronto, Ontario, Canada, Lynn Kavanagh, MSc, Psychiatry, Mount Sinai Hospital, Toronto, Ontario, Canada, Kate Butler, MA, Behavioral Sciences and Health Research Division, University Health Network, University of Toronto, Toronto, Ontario, Canada*

**Symposium 1074: Psychosomatic Sequelae of Exposure to War**

**Chicago Ballroom D**

*Chair: Scott C. Matthews, MD*

*Scott C. Matthews, MD, Psychiatry, University of California San Diego and VASDHS, San Diego, CA, Karen S. Quigley, Ph.D., Psychiatry, New Jersey Medical School - University of Medicine a, East Orange, NJ, Douglas L. Delahanty, PhD, Psychology, Kent State University, Kent, OH, Maria M. Llabre, PhD, Psychology, University of Miami, Coral Gables, FL*

**Individual Abstract Number: 1075**

EFFECTS BLAST-RELATED CONCUSSION ON BRAIN ACTIVITY DURING EMOTION PROCESSING AND COGNITIVE CONTROL IN YOUNG ADULTS

*Scott C. Matthews, MD, Psychiatry, University of California San Diego and VASDHS, San Diego, CA, Irina A. Strigo, PhD, Alan N. Simmons, PhD, Psychiatry, University of California San Diego, San Diego, CA*

**Individual Abstract Number: 1201**

UNIT COHESION AND PRE-WAR STRESS REACTIVITY: WHAT MAKES SOLDIERS MORE RESILIENT AFTER DEPLOYMENT TO IRAQ OR AFGHANISTAN?

*Karen S. Quigley, Ph.D., Psychiatry, New Jersey Medical School & Dept of Veterans Affairs, East Orange, NJ, Elizabeth A. D'Andrea, Ph.D., Psychiatry, New Jersey Medical School - University of Medicine a, East Orange, NJ, Adam J. Ackerman, B.S., Conway Yen, B.A., War Related Illness Center, Department of Veterans Affairs - East Orange, NJ, East Orange, NJ, Karen G. Raphael, Ph.D., Psychiatry, New Jersey Medical School - University of Medicine a, Newark, NJ, Charles C. Engel, M.D., Psychiatry, Uniformed Services University of the Health Sciences, Washington, D.C.*

**Individual Abstract Number: 1114**

THE PSYCHOBIOLOGY OF PTSD ACROSS THE LIFESPAN

*Douglas L. Delahanty, PhD, Psychology, Kent State University, Kent, OH, Sarah A. Ostrowski, PhD, The National Center for Child Traumatic Stress, Duke University School of Medicine, Durham, NC, Leah Irish, MA, Psychology, Kent State University, Kent, OH*

**Individual Abstract Number: 1128**

PSYCHOLOGICAL AND HEALTH CONSEQUENCES OF WAR-RELATED EXPOSURES IN CHILDREN AND ADOLESCENTS

*Maria M. Llabre, PhD, Psychology, University of Miami, Coral Gables, FL, Fawzyiah Hadi, PhD, Educational Psychology, Kuwait University, Kuwait City, Safat, Kuwait*

**Invited Symposium:  
Developmental Approaches to Health Disparities**

Chicago Ballroom F-G

Chair: Julian Thayer, PhD

Presenters: Cynthia Colen, PhD and Eugene Emory, PhD

**\* Addressing Racial Disparities in Health Using Lifecourse Perspectives:  
Toward a Constructive Criticism**

Cynthia Colen, PhD

Minority populations in the United States often face stark inequalities in health. The lifecourse perspective offers a unique viewpoint through which racial disparities in morbidity and mortality may be understood as the result of repeated exposures to risk factors during both childhood and adulthood. However, the utility of this approach is limited by its failure to investigate the degree to which minority populations are able to translate gains in socioeconomic status (SES) into favorable health outcomes. In order to adequately reflect the realities of marginalized groups, lifecourse models must explore the *interactive* nature of linkages across lifecourse stages, pay particular attention to the unique *processes* that create and maintain health disparities over time, and consider the specific *contexts* in which these processes occur. To this end, I examine the ways in which exclusionary forces and discriminatory conditions are likely to prevent African-Americans from reaping the health benefits typically associated with upward mobility. Using data from the Panel Study of Income Dynamics and four U.S. Decennial Censuses, I employ fixed- and random-effect regression models to estimate the association between fluctuations in lifetime SES and self-reported health. Additionally, I assess the extent to which structural level racial inequalities, such as residential segregation, differential wealth accumulation, and labor market segmentation, account for Black/White disparities in this association.

**\* Peri-natal Approaches to Health Disparities**

Eugene Emory, PhD

Health disparities exist throughout the lifespan. They are commonly linked to social class, ethnicity and gender. Perhaps the most obvious example of health disparity exists among the elderly, where poverty, poor health and limited health care access disproportionately affect non-white and rural populations. Health disparities also exist at the other end of the lifespan spectrum. Certain demographic groups consistently have less access or poorer quality prenatal care, with the outcome measured by factors such as prematurity, low birth weight and greater peri-natal morbidity and mortality. One of the more striking health disparities is found in the relatively high proportion of premature births among African American women after controlling for other demographic factors such as education and marital status.

This presentation will take a candid look at health disparity during pre and peri-natal life. It will review some of the negative economic and social consequences associated with this disparity. This presentation will discuss potentially promising basic research avenues and behavioral interventions that may mitigate behavioral morbidity associated with peri-natal risk.

5:00 - 6:15 pm

## POSTER SESSION 3

Chicago Ballroom E and Foyer

**261) Abstract 1111**

POST-TRAUMATIC STRESS DISORDER AND CARDIOVASCULAR HEALTH STATUS IN THE HEART AND SOUL STUDY

Beth E. Cohen, MD, Medicine, VA Medical Center/ University of California, San Francisco, CA, Sadia Ali, MD, Medicine, VA Medical Center, San Francisco, CA, Nelson B. Schiller, MD, Medicine, Radiology, Anesthesia, Thomas C. Neylan, MD, Charles R. Marmar, MD, Psychiatry, Mary A. Whooley, MD, Medicine, Epidemiology&Biostatistics, VA Medical Center/ University of California, San Francisco, CA

**262) Abstract 1461**

HIGHER PREVALENCE OF CARDIOVASCULAR DISEASE IN ALZHEIMER CAREGIVERS RELATIVE TO NON-CAREGIVING CONTROLS

Alexandrea L. Harmell, BA, Psychiatry, University California San Diego, La Jolla, Ca., Susan K. Roepke, BA, Psychiatry, UCSD, La Jolla, Ca., Brent T. Mausbach, PhD, Paul J. Mills, PhD, Roland von Känel, MD, Joel E. Dimsdale, MD, Thomas L. Patterson, PhD, Psychiatry, Michael G. Ziegler, MD, Medicine, Sonia Ancoli-Israel, PhD, Psychiatry, Matthew A. Allison, MD, Family and Preventative Medicine, Igor Grant, MD, Psychiatry, UCSD, La Jolla, Ca

**263) Abstract 1252**

PERCEIVED SOCIAL STATUS & HEALTH AMONG FIRST GENERATION CHINESE IMMIGRANTS IN CHINATOWN, NYC

*Sonia Suchday, Ph.D., Clinical Psychology (Health Emphasis) Ph.D., Ferkauf Grad Sch of Psych/Albert Einstein Coll of Md, Bronx, New York, Judith Wylie-Rosett, Ed.D., Division of Health Behavior & Nutrition Research/EPI, Albert Einstein College of Medicine, Bronx, New York, Sun-Hoo Foo, M.D., Neurology, New York Downtown Hospital, NY, NY, William Wang, B.A., New York Downtown Hospital, New York, New York, Carol J. Segal-Isaacson, Ed.D., Division of Health Behavior & Nutrition Research/EPI, Albert Einstein College of Medicine, Bronx, New York, Mindy Ginsberg, MA, Michael Alderman, M.D., Division of Health Behavior & Nutrition Research/EPI, Albert Einstein College of Medicine, New York, New York*

**264) Abstract 1610**

BIO-BEHAVIORAL MECHANISMS EXPLAINING THE RELATIONSHIP BETWEEN LACK OF SOCIAL INTEGRATION AND INCIDENT HEART FAILURE IN THE CARDIOVASCULAR HEALTH STUDY LIMITED ACCESS DATASET

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

**265) Abstract 1657**

PSYCHOSOCIAL FACTORS IN VENOUS THROMBOEMBOLISM

*Cristina Hotoleanu, MD, Dan L. Dumitrascu, MD, PhD, Internal Medicine, University Iuliu Hatieganu Cluj-Napoca, Cluj-Napoca, Romania*

**266) Abstract 1173**

TYPE D PERSONALITY IS ASSOCIATED WITH BLUNTED HEART RATE REACTIVITY DURING ACUTE STRESS

*Nina Kupper, PhD, Robert O. Smith, MSc, Medical Psychology, Tilburg University, Tilburg, The Netherlands*

**267) Abstract 1258**

OVERCOMMITMENT RELATES TO AND MODERATES EFFECTS OF EFFORT-REWARD-IMBALANCE ON STRESS-INDUCED COAGULATION CHANGES

*Roland von Känel,, General Internal Medicine, University Hospital, Bern, Switzerland, Silja Bellingrath,, Brigitte M. Kudielka,, Jacobs University, Bremen, Germany*

**268) Abstract 1262**

ASSOCIATION BETWEEN HEART RATE RECOVERY AFTER EXERCISE AND PSYCHOLOGICAL DISTRESS AND QUALITY OF LIFE IN PATIENTS WITH CHRONIC HEART FAILURE

*Roland von Känel,, General Internal Medicine, Hugo Saner,, Sonja Kohls,, Cardiology, University Hospital, Bern, Switzerland, Jürgen Barth,, Social and Preventive Medicine, University, Bern, Switzerland, Jean-Paul Schmid,, Cardiology, University Hospital, Bern, Switzerland*

**269) Abstract 1313**

ASSOCIATIONS OF POSITIVE AND NEGATIVE PSYCHOLOGICAL FACTORS WITH INDICES OF CARDIAC AUTONOMIC BALANCE AND REGULATORY CAPACITY

*Jesse C. Stewart, Ph.D., Misty A. Hawkins, B.S., Desiree J. Zielke, M.S., Psychology, Indiana University-Purdue University Indianapolis, Indianapolis, IN*

**270) Abstract 1392**

HEART RATE VARIABILITY AND PERSONALITY IN HEALTHY WOMEN AND MEN

*Slawomir Wojnusz, Master of Health Science, Neuropsychiatry and psychosomatic medicine, Rikshospitalet University Hospital, Oslo, Oslo, Norway, Birgitte Boye, PhD, Neuropsychiatry and psychosomatic medicine, Rikshospitalet University Hospital, Oslo, Oslo, Norway*

**271) Abstract 1483**

DEPRESSION, NONLINEAR HEART RATE VARIABILITY, AND MORTALITY IN CORONARY HEART DISEASE

*Robert M. Carney, PhD, Kenneth E. Freedland, PhD, Psychiatry, Washington University School of Medicine, St. Louis, Missouri, Rebecca L. Reese, MA, Psychology, Washington University, St. Louis, Missouri, Brian C. Steinmeyer, MS, Psychiatry, Phyllis K. Stein, PhD, Medicine, Washington University School of Medicine, St. Louis, Missouri*

**272) Abstract 1661**

INTERACTIVE EFFECTS OF DEPRESSIVE SYMPTOMS AND TRAIT ANGER ON CARDIOVASCULAR REACTIVITY

*Julia D. Betensky, M.S., Richard J. Contrada, Ph.D., Psychology, Rutgers, The State University of New Jersey, Piscataway, NJ*

**273) Abstract 1774**

BEAT-TO-BEAT HEART RATE AND QT INTERVAL VARIABILITY IN FIRST EPISODE- NEUROLEPTIC-NAIVE PSYCHOSIS: A PRELIMINARY STUDY

*Ripu D. Jindal, MD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA, Matcheri S. Keshavan, MD, Psychiatry, BIDMC Harvard Medical School; Wayne State University, Boston & Detroit, MA & MI, Kevin Eklund, BSN, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA, Angela Stevens, MA, Psychiatry, University of Ottawa, Ottawa, Ontario, Canada, Debra Montrose, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA, Vikram K. Yeragani, MD, Psychiatry, Wayne State University; University of Calgary, Detroit & Calgary, MI & Alberta, USA & Canada*

**274) Abstract 1267**

DEPRESSION, SLEEP APNEA, AND HOSPITALIZATIONS IN PATIENTS WITH CORONARY DISEASE

*Rebecca L. Reese, M.A., Psychology, Washington University, St. Louis, MO, Robert M. Carney, Ph.D., Psychiatry, Washington, St. Louis, Missouri, Brian C. Steinmeyer, M.S., Kenneth E. Freedland, Ph.D., Psychiatry, Washington University School of Medicine, St. Louis, Missouri*

**275) Abstract 1298**

DESIGN AND RATIONALE OF A NEW GERMAN RANDOMIZED CONTROLLED TRIAL: STEPWISE PSYCHOTHERAPY INTERVENTION FOR REDUCING RISK IN CORONARY ARTERY DISEASE (SPIRR-CAD)

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**276) Abstract 1181**

DISTRESS IN PATIENTS WITH A FAMILY HISTORY OF PREMATURE MYOCARDIAL INFARCTION: MEDIATING EFFECT OF PERSONALITY

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**277) Abstract 1270**

PSYCHOLOGICAL STRESS ASSOCIATED WITH RED BLOOD CELL OXIDATIVE STRESS: THE HEALTHY AGING IN NEIGHBORHOODS OF DIVERSITY ACROSS THE LIFE SPAN (HANDLS) STUDY

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**278) Abstract 1331**

CHANGES IN VENTRICULAR REPOLARIZATION DURING DAILY EMOTIONS IN PATIENTS WITH LONG QT SYNDROME

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**279) Abstract 1402**

HEALTH LOCUS OF CONTROL AND RELATED OUTCOMES FOLLOWING REHABILITATION IN PATIENTS WITH ACUTE CORONARY EVENTS: GENDER EFFECTS

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**280) Abstract 1550**

CONSTRUCTING CONSTRUCTIVE ANGER: PROTECTION AGAINST INCIDENT CORONARY HEART DISEASE IN A POPULATION-BASED STUDY

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**281) Abstract 1722**

IMPROVING MINDFULNESS AND AFFECT REGULATION IN DEPRESSED CORONARY ARTERY DISEASE PATIENTS

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**282) Abstract 1479**

THE EFFECT OF PERCEIVED STRESS AND RELIGIOSITY AS A MODULATOR OF HS-CRP, A RISK FACTOR FOR CVD

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**283) Abstract 1547**

WEIGHING THE PREDICTIVE EVIDENCE ON TYPE D PERSONALITY: META-ANALYTIC REVIEW OF 20 PROSPECTIVE STUDIES IN CARDIOVASCULAR PATIENTS

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**284) Abstract 1611**

DEPRESSIVE SYMPTOMS, PERCEIVED STRESS, AND TRAIT ANGER ARE RELATED TO CORONARY ARTERY DISEASE IN A COLOMBIAN SAMPLE

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**285) Abstract 1174**

"WOUNDED HEALERS" AS FIRST RESPONDERS TO CRITICAL INCIDENTS: THE IMPACT OF CHILDHOOD ADVERSITY ON THE RESILIENCE OF PARAMEDICS

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**286) Abstract 1467**

DOES WRITING ABOUT TRAUMA INFLUENCE COGNITIVE AND EMOTIONAL PROCESSING IN DREAMS?

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**287) Abstract 1726**

NARCISSISM AND PSYCHOLOGICAL RISK FACTORS FOR CARDIOVASCULAR DISEASE IN BLACK YOUTH

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**288) Abstract 1770**

JOB STRESS, ACCULTURATION, AND WELL BEING IN MEXICAN IMMIGRANTS

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**289) Abstract 1615**

NEIGHBORHOOD STRESS AND DYSFUNCTIONAL STRIVINGS INCREASE ILLNESS SYMPTOMS IN URBAN YOUTH

*Gavin Elder, BSc, Nina Stoeckel, MA, Psychology, Michelle Hallahan, BA, Education, Marta Kadziolka, MA, Craig Ewart, PhD, Psychology, Syracuse University, Syracuse, NY*

**290) Abstract 1671**

TEMPERATURE CONTAGION

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**291) Abstract 1335**

FAMILY CONFLICT: THE ROLE OF THREAT PERCEPTIONS IN PHYSIOLOGICAL RESPONSES

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**292) Abstract 1383**

MARITAL STATUS AND MARITAL ROLE QUALITY: ASSOCIATIONS WITH CORTISOL PROFILE IN HEALTHY WOMEN

*Nina Grant, MSc, Samantha Dockray, PhD, Andrew Steptoe, DPhil, Epidemiology & Public Health, University College London, London, UK*

**293) Abstract 1393**

CLINICAL FEATURES OF NON-CARDIAC CHEST PAIN: RESULTS FROM TWO INDEPENDENT MEDICAL SETTINGS

*Jennifer M. Craft, MA, Katherine Hadlandsmayth, MSc, Kamila S. White, PhD, Brianna D. Mann, MA, Psychology, University of Missouri Saint Louis, Saint Louis, MO, Gregory S. Sayuk, MD, Chandra Prakash, MD, Gastroenterology, Washington University School of Medicine, Saint Louis, MO, Ernest V. Gervino, ScD, Cardiovascular Medicine, Harvard Medical School, Boston, MA*

**294) Abstract 1533**

DOES MITRAL VALVE PROLAPSE SYNDROME COME FROM MITRAL VALVE PROLAPSE ?

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**295) Abstract 1603**

ACUTE SUPPLEMENTATION OF LONG-CHAIN OMEGA-3 FATTY ACIDS IS ASSOCIATED WITH REDUCED CARDIOVASCULAR REACTIVITY TO PSYCHOLOGICAL CHALLENGE IN HEALTHY YOUNG ADULTS

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**296) Abstract 1732**

EFFECTS OF TOTAL BODY WATER ON CARDIOVASCULAR FUNCTION AMONG ORAL CONTRACEPTIVE USERS VERSUS NON ORAL CONTRACEPTIVE USERS

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**297) Abstract 1607**

THE EFFECTS OF SOCIAL SUPPORT ON CORTISOL PATTERNS IN OLDER ADULTS

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**298) Abstract 1460**

COGNITIVE ABILITY AND SURVIVAL IN THE CONTEXT OF CHRONIC ILLNESS

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**299) Abstract 1484**

ASSERTIVENESS TRAINING AND WRITTEN EMOTIONAL DISCLOSURE FOR INTERNATIONAL STUDENTS

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**300) Abstract 1534**

CAN CHARACTERISTICS OF TYPE D PERSONALITY BE CHANGED BY A MINDFULNESS-BASED STRESS REDUCTION INTERVENTION?

*Ivan Nyklicek, PhD, Sylvia van Beugen, BSc, Johan Denollet, PhD, CoRPS - Medical Psychology, Tilburg University, Tilburg, Northern Brabant, Netherlands*

**301) Abstract 1322**

WEIGHT CONCERNS AMONG AFRICAN AMERICAN AND CAUCASIAN WOMEN AND MEN SMOKERS

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**302) Abstract 1719**

GROUP AVERAGE EFFORT-REWARD RATIO PREDICTS SLEEP QUALITY IN SHIFT WORKERS BEYOND THE VARIANCE EXPLAINED FROM THREE- OR FOUR-SHIFT SCHEDULES ALONE

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**303) Abstract 1777**

RACIAL DIFFERENCES IN THE IMPACT OF SOCIAL SUPPORT ON NOCTURNAL BLOOD PRESSURE

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**304) Abstract 1768**

FOR CHURCH AND MONEY: IMPACT OF RELIGIOSITY AND SOCIOECONOMIC STATUS ON CARDIOVASCULAR RESPONSES IN AFRICAN AMERICAN MEN

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**305) Abstract 1737**

TRANSITION TO MASKED HYPERTENSION AND ECHOCARDIOGRAPHIC INDICES OF CARDIOVASCULAR RISK

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**306) Abstract 1549**

EMOTIONAL MODULATION OF PAIN IN NORMOTENSIVE INDIVIDUALS WITH AND WITHOUT A PARENTAL HISTORY OF HYPERTENSION

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**307) Abstract 1778**

HOW MUCH STRIVING IS TOO MUCH? JOHN HENRYISM ACTIVE COPING PREDICTS WORSE DIURNAL SALIVARY CORTISOL PATTERNS FOR BURDENED AFRICAN-AMERICAN FEMALE DEMENTIA FAMILY CAREGIVERS

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**308) Abstract 1264**

RELATIONS AMONG MENOPAUSAL SYMPTOMS, SLEEP DISTURBANCE AND DEPRESSIVE SYMPTOMS IN MIDLIFE

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**309) Abstract 1077**

IN SEARCH OF THE DEPRESSIVE SELF: MEDIAL FRONTAL GYRUS CONVICTED BY SELF-REFERENTIAL PROCESSING

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**310) Abstract 1536**

PREVENTION PROGRAM FOR MINORLY DEPRESSED ELDERLY: THE EFFECTS OF THE COGNITIVE-BEHAVIORAL GROUP PROGRAM

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**311) Abstract 1540**

PREVENTION PROGRAM FOR MINORLY DEPRESSED ELDERLY: THE EFFECTS OF THE COGNITIVE-BEHAVIORAL GROUP PROGRAM

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**312) Abstract 1666**

IS PSYCHOSOMATIC REHABILITATION AND PSYCHOTHERAPY LESS EFFECTIVE IN ELDERLY PATIENTS?

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**313) Abstract 1076**

GENETICS AND PERSONALITY AFFECT SELF-PERSPECTIVE IN AUTOBIOGRAPHICAL MEMORY

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**314) Abstract 1605**

SMOKING STATUS AND DEPRESSION: A META-ANALYTIC REVIEW

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**315) Abstract 1403**

ILLNESS PERCEPTIONS, WORRY, AND CARDIAC RISK PREDICT REASSURANCE FOLLOWING A NEGATIVE STRESS TEST

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**316) Abstract 1791**

THE PHYSICAL AND PSYCHOSOCIAL FACTORS RELATED TO EARLY DROPOUT FROM TREATMENTS IN EATING DISORDERS

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**317) Abstract 1184**

LONGITUDINAL STUDY OF THE IMMUNE CONTROL OVER HERPES SIMPLEX VIRUS TYPE 1 IN WOMEN EXPOSED TO INTIMATE PARTNER VIOLENCE

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**318) Abstract 1788**

AGE-RELATED DIFFERENCES IN THE SUPINE POSITION RESTING HEART RATE OF BLACK AFRICAN SEDENTARY MALES IN ZARIA, NIGERIA

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**319) Abstract 1182**

ASSOCIATION BETWEEN INFLAMMATORY MARKERS AND DEPRESSIVE SYMPTOMS IN WOMEN WITH RHEUMATOID ARTHRITIS

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**320) Abstract 1717**

EMOTIONAL JUDGEMENT IS INFLUENCED BY BARORECEPTOR ACTIVATION WITHIN THE CARDIAC CYCLE: EVIDENCE FROM A NEUROIMAGING STUDY OF VASOVAGAL SYNCOPE

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**321) Abstract 1729**

JOINT EFFECTS OF FUNCTIONAL POLYMORPHISMS OF SEROTONIN TRANSPORTER (5HTTLPR) AND MAOA (MAOA-UVNTR) GENES ON HOSTILITY LEVELS IN MEN

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**322) Abstract 1606**

POST-DONATION MOTIVATIONAL INTERVIEWING ENHANCES IDENTITY AS A BLOOD DONOR AND INTENTION TO PROVIDE A FUTURE DONATION

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**323) Abstract 1404**

EMOTION REGULATION IN CURRENT SMOKERS

*Cynthia W. Karlson, M.A., Carrie Bronars, M.A., Natalie Stevens, M.A., Danyale McCurdy, M.A., Nancy A. Hamilton, Ph.D., Psychology, University of Kansas, Lawrence, KS*

**324) Abstract 1466**

EFFECT OF DEPRESSION ON SLEEPINESS ON OBSTRUCTIVE SLEEP APNEA PATIENTS

*Reiko Hori,, Fumio Kobayashi,, Health and Psychosocial Medicine, Ryujiro Sasanabe, Toshiaki Shiomi, Sleep Medicine, Aichi Medical University School of Medicine, Aichi, Japan*

**325) Abstract 1662**

A ONE-ITEM SUBJECTIVE WORK STRESS ASSESSMENT TOOL IS ASSOCIATED WITH CORTISOL SECRETION LEVELS IN CRITICAL CARE NURSES

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**326) Abstract 1667**

CHARACTERIZATION OF ADOLESCENT FEMALES IN AN INPATIENT PSYCHIATRIC UNIT WITH CHRONIC PAIN.

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**327) Abstract 1390**

EVENT-RELATED POTENTIALS TO PAINFUL STIMULI ARE REDUCED DURING PLACEBO ANALGESIA

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**328) Abstract 1256**

ANGER SUPPRESSION VS NONSUPPRESSION AFFECTS OBSERVABLE PAIN BEHAVIORS AMONG CLBP PATIENTS VIA PHYSIOLOGICAL AND SELF-REPORTED EMOTIONAL REACTIVITY

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**329) Abstract 1602**

PAIN CATASTROPHIZING AS A MODERATOR OF THE RELATIONSHIP BETWEEN PTSD SYMPTOMS AND PAIN SEVERITY

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**330) Abstract 1035**

THE PAIN-RELATED FUNCTIONAL HEMISYNDROME (PFH): CLINICAL FINDINGS AND HYPOMETABOLIC PATTERN IN CORTICAL AND SUBCORTICAL AREAS IN FDG-PET

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**331) Abstract 1519**

PAIN SEVERITY AND SLEEP QUALITY AMONG STUDENTS WITH AND WITHOUT CHRONIC PAIN

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**332) Abstract 1064**

ANGER MANAGEMENT STYLE, ATTENTIONAL BIAS, AND ACUTE PAIN: PRELIMINARY TEST OF AN INFORMATION PROCESSING MODEL FOR ANGER SUPPRESSORS

*Justin T. Matsuura, MS, Wesley P. Gilliam, MS, Phillip J. Quartana, PhD, John W. Burns, PhD, Psychology, Rosalind Franklin University of Medicine and Science, North Chicago, IL*

**333) Abstract 1365**

THE EFFECT OF WEIGHT LIFTING VIDEO PRIMES ON ANTICIPATED PAIN AND HARM RATINGS IN PARTICIPANTS WITH HIGH AND LOW PAIN-RELATED FEAR

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**334) Abstract 1459**

ILLNESS PERCEPTIONS AS PREDICTORS FOR PAIN RELATED DISABILITY AND MOOD IN CHRONIC OROFACIAL PAIN PATIENTS. A 6-MONTH FOLLOW-UP STUDY

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**335) Abstract 1191**

PAIN HELPLESSNESS MEDIATES THE RELATIONSHIP BETWEEN PTSD SYMPTOMS AND PAIN INTERFERENCE AMONG CHRONIC PAIN PATIENTS

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**336) Abstract 1628**

INVESTIGATION OF HEART RATE VARIABILITY CHANGE DURING RELAXATION THERAPY USING WAVELET TRANSFORM

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**337) Abstract 1031**

A BIOPSYCHOSOCIAL APPROACH TO PAIN MANAGEMENT

*Sunny P. Aslam, MD, Psychiatry, SUNY Upstate Medical University, Syracuse, NY, Chris Faubel, MD, Physical Medicine & Rehabilitation, Louisiana State University, New Orleans, LA, Adekola O. Alao, MD, Psychiatry, SUNY Upstate Medical University, Syracuse, NY*

**338) Abstract 1340**

MIGRAINE ATTACKS AND PHYSICAL ACTIVITY: AN ACTIGRAPHIC STUDY

*Shuji Inada, MD, Kazuhiro Yoshiuchi, MD, PhD, Stress Sciences and Psychosomatic Medicine, The University of Tokyo, Tokyo, Japan, Masahiro Hashizume, MD, PhD, Psychosomatic Medicine, Toho University, Tokyo, Japan, Hiroe Kikuchi, MD, PhD, Educational Physiology Laboratory, The University of Tokyo, Tokyo, Japan, Koji Tsuboi, MD, PhD, Psychosomatic Medicine, Toho University, Tokyo, Japan, Yoshiharu Yamamoto, PhD, Educational Physiology Laboratory, Akira Akabayashi, MD, PhD, Stress Sciences and Psychosomatic Medicine, The University of Tokyo, Tokyo, Japan*

**339) Abstract 1425**

NEURAL CORRELATES OF PAIN PERCEPTION IN PATIENTS WITH MULTISOMATOFORM DISORDER

*Michael Noll-Hussong, MD, Psychosomatic Medicine, Alexander Otti, Neuradiology, TU Muenchen - Klinikum rechts der Isar, Muenchen, Bayern, Germany, Jean Decety, Psychology, The University of Chicago, Chicago, IL, Leo Laeer, MD, Afra Wohlschlaeger, PhD, Claus Zimmer, MD, Neuroradiology, TU Muenchen - Klinikum rechts der Isar, Muenchen, Bayern, Germany, Richard Lane, MD, PhD, Psychiatry, The University of Arizona, Tucson, Arizona, Peter Henningsen, MD, Psychosomatic Medicine, TU Muenchen - Klinikum rechts der Isar, Muenchen, Bayern, Germany, Harald Guendel, MD, Psychosomatic Medicine, Hannover Medical School, Hannover, Niedersachsen, Germany*

**340) Abstract 1353**

EFFECTIVENESS OF AN INTERDISCIPLINARY REHABILITATION PROGRAM AMONG CHRONIC BACK PAIN PATIENTS ACROSS THE LIFE COURSE

*Derek G. Turesky, M.A., Psychological & Quantitative Foundation, University of Iowa, Iowa City, IA, Valerie Keffala, Ph.D., Orthopaedics & Rehabilitation, University of Iowa Hospitals & Clinics, Iowa City, IA, Benjamin Tallman, B.A., Psychological & Quantitative Foundation, University of Iowa, Iowa City, IA*

**341) Abstract 1514**

ANGER SUPPRESSION AND PAIN RECOVERY IN ASIANS AND CAUCASIANS: A PRELIMINARY ANALYSIS

*Justin T. Matsuura, MS, Psychology, Rosalind Franklin University of Medicine & Science, North Chicago, IL, Lisa A. Sanchez-Johnsen, PhD, Psychiatry & Behavioral Neuroscience, The University of Chicago, Chicago, IL, Wesley P. Gilliam, MS, Nancy J. Beckman, MS, John W. Burns, PhD, Psychology, Rosalind Franklin University of Medicine & Science, North Chicago, IL*

**342) Abstract 1116**

BLUNTED OPIATE MODULATION OF PROLACTIN SECRETION DURING REST AND IN RESPONSE TO STRESS IN SMOKING MEN AND WOMEN

*Darcy D. Shaw, BS, Medical School, University of Minnesota, Roseville, MN, Mustafa al'Absi, PhD, Department of Behavioral Medicine, University of Minnesota, Duluth, MN*

**343) Abstract 1126**

VASCULAR HEALTH AND CEREBRAL HYPERINTENSITIES AMONG MIDDLE-AGED AND OLDER ADULTS WITH MAJOR DEPRESSION

*Patrick J. Smith, MA, James A. Blumenthal, PhD, Michael A. Babyak, PhD, P M. Doraiswamy, MD, Lana L. Watkins, PhD, Psychiatry and Behavioral Sciences, Duke University, Durham, NC, Alan Hinderliter, MD, Cardiology, UNC-CH, Chapel Hill, NC, Benson M. Hoffman, PhD, David C. Steffens, MD, Andrew Sherwood, PhD, Psychiatry and Behavioral Sciences, Duke University, Durham, NC*

**344) Abstract 1600**

C-REACTIVE PROTEIN COVARIES INVERSELY WITH WHITE MATTER VOLUME IN MIDDLE-AGED ADULTS

*A M. Remo, MS, Psychiatry, A L. Marsland, PhD, Psychology, L K. Sheu, PhD, Psychiatry, S B. Manuck, PhD, Psychology, A R. Hariri, PhD, Psychiatry, M F. Muldoon, MD, Medicine, P J. Gianaros, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA*

**345) Abstract 1477**

GENDER DIFFERENCES IN THE ENDORSEMENT OF SYMPTOMS FOR DEPRESSION POST-STROKE: A PROSPECTIVE STUDY

*Cynthia Dolezsar, BA, Department of Psychology, Concordia University, Montreal, Qc, Canada, Sydney Miller, PhD, Department of Psychology, Concordia University, Montreal, Quebec, Canada, Nancy Mayo, PhD, Department of Medicine, Lois Finch, PhD, School of Physical and Occupational Therapy, McGill University, Montreal, Quebec, Canada*

**346) Abstract 1152**

HOPELESSNESS IS ASSOCIATED WITH MRI-DERIVED INDICES OF SUBCLINICAL NEUROVASCULAR DISEASE AMONG HEALTHY OLDER ADULTS

*S. Carrington Rice, MA, Megan M. Hosey, MS, Psychology, University of Maryland Baltimore County, Baltimore, MD, David M. Lefkowitz, MD, Diagnostic Radiology, University of Maryland School of Medicine, Baltimore, MD, Leslie I. Katzel, MD/PhD, Geriatric Research Education and Clinical Center, Baltimore VA Medical Center, Baltimore, MD, Eliot L. Siegel, MD, Diagnostic Radiology, University of Maryland School of Medicine, Baltimore, MD, William F. Rosenberger, PhD, Statistics, George Mason University, Fairfax, VA, Shari R. Waldstein, PhD, Psychology, University of Maryland Baltimore County, Baltimore, MD*

**347) Abstract 1771**

CUMULATIVE EXPERIENCE OF SOCIOECONOMIC ADVERSITY AND MULTI-SYSTEM PHYSIOLOGICAL DYSREGULATION

*Tara L. Gruenewald,, Arun S. Karlamangla,, Dana Miller-Martinez,, Teresa E. Seeman,, Medicine/ Geriatrics, University of California, Los Angeles, Los Angeles, CA*

**348) Abstract 1104**

COPING FLEXIBILITY AND RATE OF PSYCHOPHYSIOLOGICAL RECOVERY FROM A COLD PRESSOR TASK

*Jessica K. Gerfen, M.S., Psychology, Rosalind Franklin University of Medicine and Science, North Chicago, IL, Sara Barrett, PhD, Rosalind Franklin University of Medicine and Science, Psychology, North Chicago, IL, Brian Schmaus, M.S., Psychology, Rosalind Franklin University of Medicine and Science, North Chicago, IL, Sandra Zakowski, PhD, Psychology, Argosy University, Chicago Campus, Chicago, IL*

**349) Abstract 1177**

GENDER MODERATES THE EFFECTS OF HOSTILE DOMINANCE ON PHASIC RESPIRATORY SINUS ARRHYTHMIA DURING STRESS

*Heather E. Gunn, M.S., Psychology, University of Utah, Salt Lake City, Utah, Paula G. Williams, Ph.D, Matthew Cribbet, B.S., Cameron Curtis, B.S., Holly Rau, B.S., Psychology, University of Utah, Salt Lake City, UT*

**350) Abstract 1481**

CORTISOL REACTIVITY TO STRESS PREDICTS TENDENCIES TO RUMINATE

*Desiree J. Zielke, M.S., Psychology, Indiana University-Purdue University Indianapolis, Indianapolis, Indiana, Clayton J. Hilmert, Ph.D., Psychology, North Dakota State University, Fargo, North Dakota*

**351) Abstract 1531**

THE MODERATING EFFECTS OF GENDER ON THE ASSOCIATION BETWEEN MULTIDIMENSIONAL HOSTILITY AND PSYCHOSOMATIC SYMPTOMS IN CHINESE PARTICIPANTS

*Chia-Ying Weng, Ph. D., I-Mei Lin, Candidate of Ph. D., Ding-Yu Jiang, Ph. D., Psychology, National Chung Cheng University, Taiwan, Chi-Yi, Taiwan*

**352) Abstract 1654**

THE CIRCADIAN CORTISOL SECRETION AMPLITUDE: NORMDATA FROM THE CIRCORT DATABASE

*Joachim E. Fischer, Prof., Mannheim Institute of Public Health, University of Heidelberg, Mannheim, Germany, Clemens C. Kirschbaum, Prof., Biopsychology, Technical University of Dresden, Dresden, Germany, Meike Bartels, PhD, Department of Biological Psychology, Vrije Universiteit, Amsterdam, The Netherlands, Bonny Bonny Donzella, PhD, Gunnar Laboratory - Institute of Child Development, University of Minnesota, Minneapolis, Megan Gunnar, PhD, Institute of Child Development, University of Minnesota, Minneapolis, MN, Meena Kumari, PhD, Department of Epidemiology and Public*

*Health, University College London, London, Great-Britain, Chris P. Power,, Centre for Paediatric Epidemiology and Biostatistics, Institute of Child Health, London, Great-Britain, Henning Tiemeier, MD, Department of Epidemiology & Biostatistics, Erasmus MC-Faculty, Rotterdam, The Netherlands, Sarah Watamura, PhD, Child Health and Development Lab, Department of Psychology, University of Denver, Denver, CO*

**353) Abstract 1658**

CIRCADIAN CORTISOL SECRETION IN PARENTS EXPERIENCING OPEN-HEART SURGERY IN THEIR CHILD: A LONGITUDINAL REPEATED MEASURE ANALYSIS

*Joachim E. Fischer,, Mannheim Institute of Public Health, University of Heidelberg, Mannheim, Germany*

**354) Abstract 1486**

GOAL-BASED APPRAISALS PREDICT DAILY AFFECT QUALITY AND CORTISOL ACROSS THE LIFESPAN

*Christiane Hoppmann, PhD, Psychology, University of British Columbia, Vancouver, British Columbia, Canada, Fredda Blanchard-Fields, PhD, Psychology, Georgia Institute of Technology, Atlanta, GA*

**355) Abstract 1672**

GENDER, RACE/ETHNICITY, PERSONALITY, AND INTERLEUKIN-6 IN URBAN PRIMARY CARE PATIENTS

*Ben Chapman, PhD, Psychiatry, Ayesha Khan, MD, Community and Preventive Medicine, Mary Harper, BS, Psychiatry, Doug Stockman, MD, Department of Family Medicine, Kevin Fiscella, MD, Family Medicine, Jim Walton, BS, Paul Duberstein, PhD, Nancy Talbot, PhD, Jeff Lyness, MD, Jan Moynihan, PhD, Psychiatry, University of Rochester Medical Center, Rochester, NY*

**356) Abstract 1293**

SEX DIFFERENCES IN DIURNAL CORTISOL PATTERNS, CORTISOL AWAKENING RESPONSE AND TOTAL CORTISOL OUTPUT: RESULTS FROM THE NATIONAL STUDY OF DAILY EXPERIENCES (NSDE)

*Laura C. Klein, Ph.D., Biobehavioral Health, Robert S. Stawski, Ph.D., Gerontology Center, David M. Almeida, Ph.D., Human Development and Family Studies, Penn State University, University Park, PA*

**357) Abstract 1487**

COGNITIVE FUNCTION AND THE MORNING CORTISOL RESPONSE TO AWAKENING

*Martin Sliwinski, PhD, Joshua Smyth, PhD, Psychology, Syracuse University, Syracuse, New York, Robert Stawski, PhD, David Almeida, PhD, Human Development and Family Studies, Pennsylvania State University, University Park, Pennsylvania, Margie Lachman, PhD, Patricia Tun, PhD, Psychology, Brandeis University, Waltham, MA*

**358) Abstract 1604**

BODY MASS INDEX ACCOUNTS FOR AN INVERSE ASSOCIATION BETWEEN SOCIOECONOMIC STATUS AND SYSTEMIC INFLAMMATION

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

**7:00 pm - 12:30 am**

**CLOSING DINNER AND ENTERTAINMENT**

***Chicago Ballroom A-C***

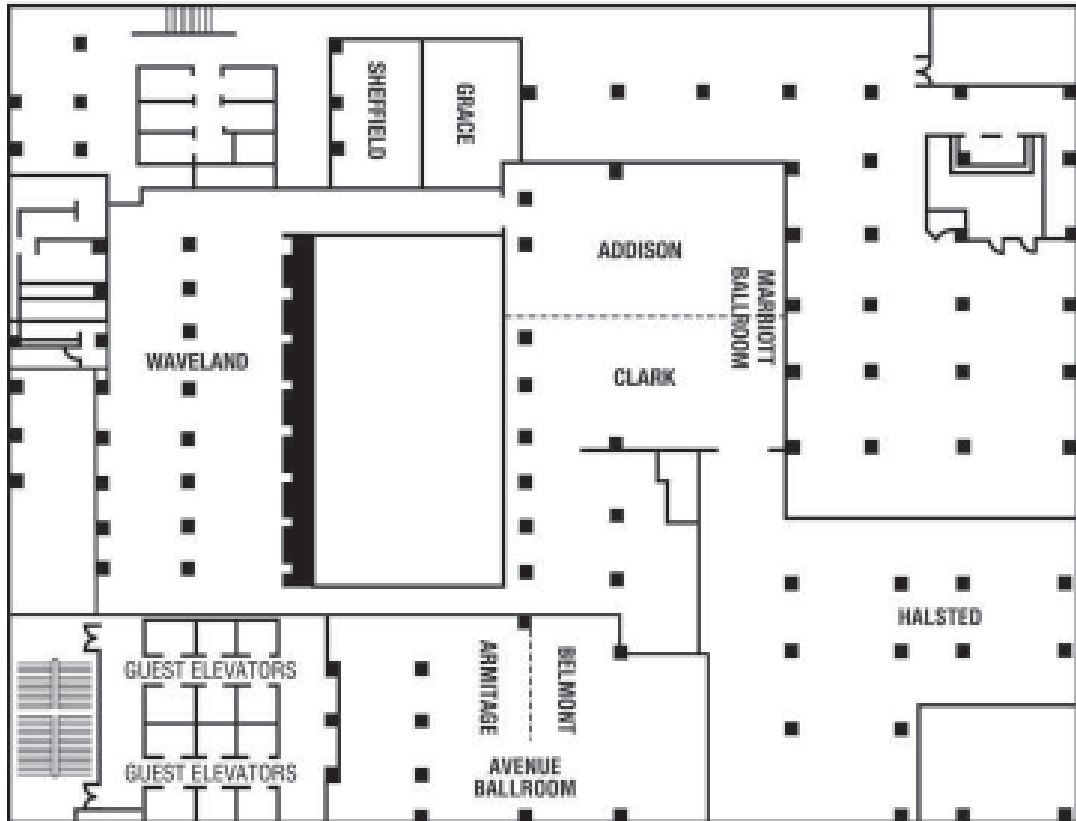
This special evening will feature music and dancing to the "Gentlemen of Leisure Band and Review" -- one of Chicago's premier bands offering Top 40's, Motown, Jazz, Hip-Hop and old standards...Just back from performing at one of the United States' Inaugural Balls in honor of President Barack Obama, the "Gents" will help make this an evening not to be missed! Join your colleagues for a relaxing and fun night - please see the APS Registration Desk by Friday if you would like to attend but have not yet signed up!



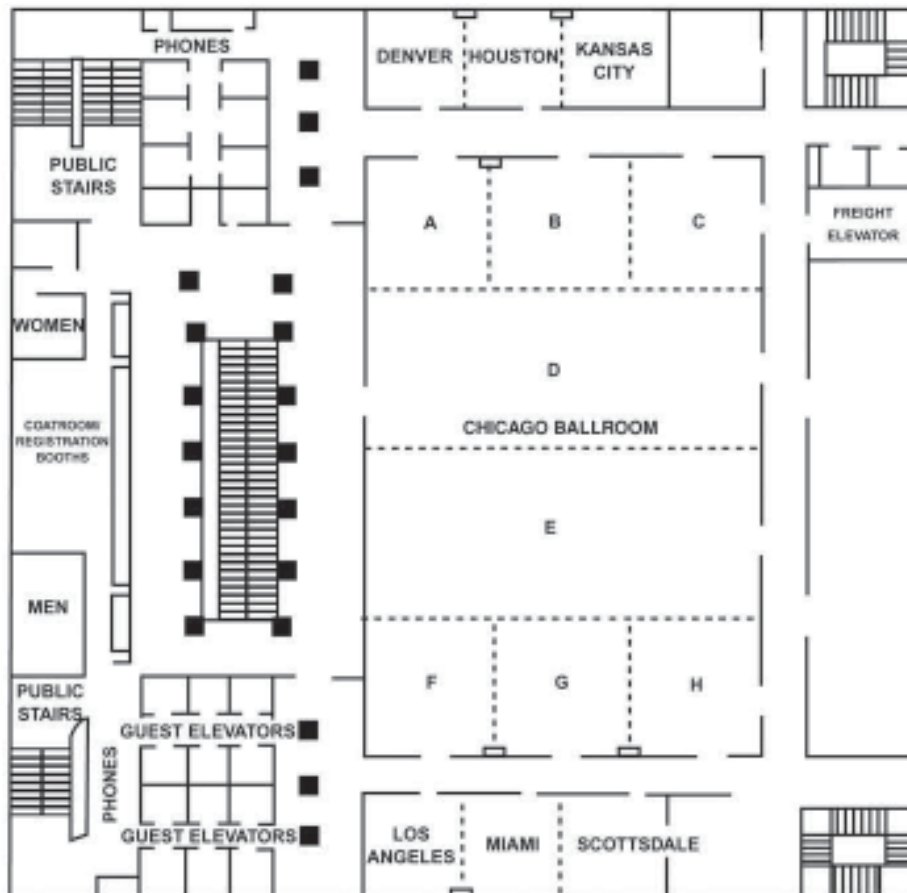


# Hotel Floor Plan

## 4th Floor



## 5th Floor



# American Psychosomatic Society 68th Annual Scientific Meeting

March 10 - 14, 2010

Portland Marriott Downtown Waterfront  
Portland, OR USA



The Call for Abstracts will be available summer 2009 with a due date of early October 2009. Keep yourself informed by frequently visiting [www.psychosomatic.org](http://www.psychosomatic.org).

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