



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

69th ANNUAL SCIENTIFIC MEETING
MARCH 9 - 12, 2011

*Biobehavioral Processes and Health:
Understanding Mechanisms, Implementing Interventions*



Marriott San Antonio Rivercenter
San Antonio, Texas USA

AMERICAN PSYCHOSOMATIC SOCIETY

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*Paul J. Mills, PhD
APS President*

Welcome to San Antonio

Welcome to the 69th Annual Meeting of the American Psychosomatic Society in historical San Antonio, Texas, founded in 1691. The theme of this year's meeting, *Biobehavioral Processes and Health: Understanding Mechanisms, Implementing Interventions*, is timely because the Society is increasing its efforts at better identifying biobehavioral interventions that are effective and that can be readily disseminated into healthcare practice. Further, the mechanisms underlying such interventions will need to be understood. The Program Committee has compiled a diverse and comprehensive program to address this year's theme, with numerous exciting and informative plenary sessions and symposia. If you are able to find some time to explore San Antonio, you might consider a stroll along the picturesque and relaxing San Antonio River Walk, which is adjacent to the hotel. It is lined with bars, shops and restaurants, and provides easy access to the San Antonio Museum of Art. For further adventures, there is the Tower of the Americas and the historical Alamo Mission. I hope you will enjoy San Antonio as the site of our meeting!

Meeting Objectives

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

1. To describe how psychosomatic medicine oriented basic science and research may be translated into the development and implementation of randomized controlled trials (RCTs) of interventions to improve health outcomes in chronic and life-limiting illness.
2. To describe the biological mechanisms by which biobehavioral interventions may improve clinical health outcomes in major chronic and life-limiting illnesses.
3. To explain the psychological, social, behavioral, and functional mechanisms by which psychosocial interventions may impact physical health outcomes in chronic diseases.



*Joshua M. Smyth, PhD
Program Chair*

Meeting Information

About APS

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

Appreciation

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

Continuing Education

Physicians

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

Credit Designation Statement: The IAHB designates this live activity for a maximum of 29.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Psychologists: This course is co-sponsored by Amedco and the American Psychosomatic Society. Amedco is approved by the American Psychological Association to sponsor continuing education for psychologists. Amedco maintains responsibility for this program and its content. Maximum of 29.5 hours.

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

Book and Journal Showcase

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

Job Board

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

APS Business Meeting

The APS Business Meeting is open to all members. The meeting will take place Saturday from 8:00 to 8:55 am. Come hear brief updates from the APS leadership regarding the previous year's activities, and plans for the upcoming year. This is a great opportunity to become involved in the activities of the Society, and learn more about what APS has to offer you.

Special Interest Get-Togethers

APS is hosting five special interest get-togethers in the Marriott on Friday evening, from 6:30 to 7:30 pm, on the topics of Interventions, PNI, Clinician's Interests, Ethnic Disparities and Neuroscience. There is no cost to participate, but if you have not already registered for this event, please check with the APS Registration Desk for availability.

Exhibiting and Advertising

APS welcomes the following exhibitors and advertisers to our meeting.

IBL International is a recognized leader in the development and manufacturing of immunodiagnostics. We offer a wide range of assays for measuring steroid hormones and melatonin in saliva and serum.

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

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

National Cancer Institute's Basic and Biobehavioral Research Branch advances research in biobehavioral mechanisms and psychological processes to reduce cancer risk and improve outcomes.

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

Springer Science+Business Media is a global STM publisher with books and journals in Clinical Medicine, Behavioral Science, and Public Health. An important recent publication is **Handbook of Behavioral Medicine** edited by Andrew Steptoe.

How to Cite your Abstract

The April 2011 (volume 73, number 3) on-line issue of *Psychosomatic Medicine* contains the 2011 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 73, Number 3 and the page number in which your abstract appears. Note each page number appears with the letter A in front of the page number.

Information for Presenters

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

Information on Roundtables

This year, APS is offering both Breakfast and Luncheon Roundtable discussion sessions, and if you signed up for a roundtable, there will be a ticket in your registration packet for that event. Breakfast roundtable participants should proceed to their room for breakfast. Lunch roundtable participants should exchange their ticket for a box lunch in Conference Room 8. Please note that tickets must be purchased for all roundtables. Please visit the APS Registration Desk to determine availability.

Mentoring Program

APS will host a Mentor/Mentee program again this year, which will provide opportunities for young investigators/those new to the field to meet and network with more experienced APS colleagues in a relaxed and informal setting. The Mentor/Mentee Reception will be held on Thursday evening at 6:30 pm in Salon I. Light snacks and beverages will be provided. You must have pre-registered for this program in order to participate.

Student/Trainee Dinner

Students/Trainees attending the APS meeting are invited to gather following the Mentor/Mentee Reception for a fun evening at Casa Rio, 430 E. Commerce St., on the Riverwalk, on Thursday, March 10. Individuals will be responsible for their own expenses - please stop by the APS Registration Desk if you are interested in attending.

Awards and Special Recognition

APS Scholar Awards

For the past twelve 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:

Maxine Boudreau, BA, Abstract # 1173, *The Association Between BMI, Severity of Depressive Symptoms and the Perception of Dyspnea In Adult Asthmatics*, Wednesday, March 9, 7:00 to 8:30 pm

Romano Endrighi, MSc, Abstract# 1086, *Mood Disturbance Following Exercise Withdrawal Is Associated With Greater Inflammatory Responses To Stress*, Thursday, March 10, 12:45 to 2:00 pm

Lauren Garfield, PhD, MPH, Abstract# 1590, *The Independent Association of Anxiety Disorders with Incident Heart Failure in a Retrospective Cohort of VA Patients*, Wednesday, March 9, 7:00 to 8:30 pm

Gerald Giesbrecht, PhD, Abstract# 1640, *Momentary Association of Mood and Cortisol in Pregnancy: A Fetal Programming Proof of Concept*, Thursday, March 10, 2:15 to 3:30 pm

Mathew Gregoski, PhD, Abstract# 1198, *Modulating Influences of ET-1 Lys198Asn Genotype and Chronic Stress Upon Stress Reduction Programs in Reducing Ambulatory Blood Pressure (BP) Among African American (AA) Adolescents*, Wednesday, March 9, 7:00 to 8:30 pm

Jennifer Knight, MD, Abstract# 1003, *Psychosocial Factors Predict Neutrophil Recovery and Cytokine Levels Following Hematopoietic Stem Cell Transplantation*, Friday, March 11, 1:00 to 2:15 pm

Elizabeth Lush, MS, Abstract# 1236, *Tumor-promoting biological factors are associated with circadian and endocrine disruption, but not social support, in pre-surgical breast cancer patients*, Friday, March 11, 1:00 to 2:15 pm

Tuong-Vi Nguyen, MD, Abstract# 1437, *Comorbidity of Anxiety and Neuropsychiatric Disorders*, Thursday, March 10, 12:45 to 2:00 pm

Eli Puterman, PhD, Abstract# 1400, *Social support buffers the effects of anger on the systemic proinflammatory response induced by acute stress*, Thursday, March 10, 12:45 to 2:00 pm

Annelieke Roest, MSc, Abstract# 1112, *Improvement in somatic and cognitive depressive symptoms and its association with adverse outcome in the Enhancing Recovery in Coronary Heart Disease (ENRICH) study*, Thursday, March 10, 12:45 to 2:00 pm

John Ryan, PhD, Abstract# 1146, *Functional Connectivity Between Insula and Ventral Striatum Jointly Covaries with Insulin Resistance and Depressive Symptoms*, Wednesday, March 9, 7:00 to 8:30 pm

Andrew J. Wawrzyniak, PhD, Abstract# 1695, *Perceived Social Support and Markers of Heart Failure Severity*, Friday, March 11, 1:00 to 2:15 pm

Travel Award for MacLean Scholars

The MacLean Scholar awards were created to enable neuroscience trainees to attend the Annual Meeting and interact with the recipient of the Paul D. MacLean Award for Outstanding Neuroscience Research in Psychosomatic Medicine. MacLean Scholar winners will receive travel reimbursement to attend the meeting. Selection is based primarily on outstanding research or research potential and research that addresses questions that will advance the legacy of Paul D. MacLean. We are proud to announce this year's winners:

Layla Banihashemi, PhD, Abstract # 1297, *Childhood Physical Abuse Correlates with Adulthood Stressor-evoked Activity in Limbic Forebrain and Hypothalamic Regions*, Friday, March 11, 1:00 to 2:15 pm

Masahiro Matsunaga, PhD, Abstract# 1403, *Perceived happiness level influences evocation of positive emotions*, Friday, March 11, 5:15 to 6:30 pm

Keely Muscatell, MD, Abstract# 1363, *Social Status Modulates Neural Activity in the Mentalizing Network*, Wednesday, March 9, 7:00 to 8:30 pm

Christian Schultze-Florey, MD, PhD, Abstract# 1820, *Nucleus accumbens activation in response to an attachment figure: Replication and extension of findings in Complicated Grief*, Friday, March 11, 5:15 to 6:30 pm

Atsushi Sekiguchi, MD, PhD, Abstract# 1028, *Neural characteristics of cognitive control of negative emotion in subjects with irritable bowel syndrome*, Wednesday, March 9, 7:00 to 8:30 pm

APS Minority Initiative Travel Awards

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

Robin Haddad, MPH, The University of Texas School of Public Health, Houston, TX, USA

Dorothy Octavia Jackson, MA, University of Alabama, Birmingham, AL, USA

Shellie-Anne Levy-Massey, MS, Howard University, Washington, DC, USA

Ikechukwu Onyewuenyi, BSc, University of Pittsburgh, Pittsburgh, PA, USA

Rodlescia Sneed, MPH, Carnegie-Mellon University, Pittsburgh, PA, 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 Nazur Mazurak, MD of the Ukraine and Mohammad Z. Pezeshki, MD of Iran.

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 winners of this year's scholarships:

Jay Champlin, BA, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

Parikshit Deshmukh, MD, Case Western Reserve University, Cleveland, OH, USA

Samantha Leathers, BS, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

Paul R. Puri, MD, University of California, San Diego, CA, USA

Sarah Ramer, BA, University of Pittsburgh, Pittsburgh, PA, USA

Tracie B. Rivera, MD, West Virginia University, Morgantown, WV, USA

Magdalena Romanovicz, MD, Warsaw Medical University, Poland

Claire Stramrood, MD, University Medical Center Groningen, The Netherlands

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 is in a leadership position in his or her field and able to influence others to become interested in APS by virtue of their stature and prestige. The annual award consists of an honorarium to the recipient in addition to travel expenses to attend the Annual Meeting. The recipient should have had some involvement in research, should be an effective teacher and in a position to influence others, especially medical students, residents, and fellows.

We are pleased to announce that the 2011 award will be given to **James L. Levenson, MD**, from VCU Medical Center in Richmond, VA.



Calling all APS Members!

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

Program-at-a-Glance

Wednesday, March 9, 2011

8:00 am - 7:30 pm	Registration Salon E Foyer	5:00 - 5:15 pm	Welcome & Announcements Salon E
9:00 am - 4:30 pm	APS Council Meeting Conference Room 11	5:15 - 5:30 pm	APS & Degnon Associates: 25 Years of Collaboration! Salon E
12:30 pm - 4:30 pm	Half Day Workshops Lab to Market: The Roadmap for Successful Commercial- ization of Behavioral Interventions <i>Faculty: Steven Locke, MD and David Gruber, MD, MBA</i> Conference Room 7	5:30 - 6:20 pm	Presidential Address <i>Paul J. Mills, PhD</i> Salon E
	Using the Right Tool for the Job: Principles and Applica- tions of Laboratory Bench Techniques for Psychosomatic Medicine Research <i>Faculty: Nicolas Rohleder, PhD; Anna Marsland, PhD; and Suzi Hong, PhD</i> Conference Room 12	6:20 - 6:55 pm	Award Announcements <i>Chair: Douglas Carroll, PhD</i> Salon E
	Ideas to Interventions: The Process of Developing Health- Related Behavioral Interventions <i>Faculty: Susan M. Czajkowski, PhD, Lynda Powell, PhD; Deborah Olster, PhD; Kim Reynolds, PhD; Linda Nebeling, PhD; and Bonnie Spring, PhD</i> Conference Room 8	7:00 - 8:30 pm	Citation Poster Session and Cocktail Reception Salon A/B/F

Thursday, March 10, 2011

6:45 am - 5:30 pm	Registration Salon E Foyer	Symposium 1030: Correlates and Buffers of Telomere Shortening: Implications for Interventions <i>Chair: A. Janet Tomiyama, PhD</i> Salon C	
7:00 - 8:00 am	Roundtable Early Career Roundtable: Securing Funding Fast: Making A Plan of Action and Identifying Sources <i>Facilitators: Vanessa Juth, BA; Judith Andersen, PhD; William Lovallo, PhD</i> Conference Room 7	Paper Session: Post-Traumatic Stress Disorder <i>Chair: Judith Andersen, PhD</i> Salon D	
8:00 - 8:55 am	Plenary Session Information Technology in Health Care: The Next Ten Years <i>Victor Strecher, PhD</i> Salon E	10:15 - 10:30 am	Break
9:00 - 10:15 am	Concurrent Sessions Paper Session: Cardiovascular Disease Risk <i>Chair: Rebecca Thurston, PhD</i> Conference Room 1-4	10:30 - 11:25 am	Concurrent Sessions Invited Talk: Sleep in Psychosomatic Medicine: Theory, Data, and Translational Promise <i>Martica Hall, PhD</i> Conference Room 1-4
	Symposium 1170: Population Level Integration of Psycho- social and Biological Processes: Results from the MIDUS Study <i>Chair: Carol Ryff, PhD</i> Conference Room 17-18		Paper Session: Type D Personality and Cardiac Disease <i>Chair: Oliver Cameron, MD</i> Conference Room 17-18
			Symposium 1845: Depressed Mood and Suicidal Ideation in African American Women: Biobehavioral Processes, Mechanisms and Intervention <i>Chair: Eugene Emory, PhD</i> Salon C

Thursday, March 10, 2011, *continued*

Paper Session: Placebos

Chair: Suzanne Segerstrom, PhD

Salon D

11:30 am - 12:45 pm Roundtables/Meetings

Roundtable: Behavioral Sleep Interventions 101

Facilitators: Wendy M. Troxel, PhD and Daniel Taylor, PhD

Conference Room 7

Roundtable: Lab to Market 2011

Facilitators: Steven Locke, MD, and David Gruber, MD, MBA

Conference Room 9

Professional Education Committee Meeting

Conference Room 10

12:45 - 2:00 pm Concurrent Sessions

Paper Session: Acute Stress and PNI

Chair: Tara Gruenewald, PhD

Conference Room 1-4

Paper Session: Somatic versus Cognitive Depressive Symptoms and Cardiac Health Risks

Chair: James L. Levenson, MD

Conference Room 17-18

Paper Session: Mindfulness, Meditation, and Health

Chair: Joan Broderick, PhD

Salon C

Symposium 1426: Race-Related Health Disparities: Paradoxical Findings in Latino Health

Chair: Linda Gallo, PhD

Salon D

2:00 - 2:15 pm

Break

2:15 - 3:30 pm

Concurrent Sessions

Invited Symposium: Reducing Risk of CHD: Targeting Stress, Depression, and Type D Personality

Chair: Simon Bacon, PhD

Conference Room 1-4

Paper Session: Psychoneuroendocrinology

Chair: Sally Dickerson, PhD

Conference Room 17-18

Paper Session: Gender Differences and Health

Chair: Michele Okun, PhD

Salon C

Symposium 1130: Motivational Interviewing: The Evidence and the Promise

Chair: Steven Cole, MD

Salon D

3:30 - 3:45

Break

3:45 - 5:00 pm

Plenary Session

Tough Lessons Learned from Cardiovascular Trials: Implications for Psychosomatic Medicine

Presenter: Karina Davidson, PhD

Salon E

5:00 - 6:15 pm

Poster Session 1

Salon A/B/F

6:30 - 7:30 pm

Mentor/Mentee Reception

Salon I

7:45 pm

Past Leaders Dinner (off site)

Friday, March 11, 2011

6:45 am - 5:30 pm

Registration

Salon E Foyer

7:00 - 8:00 am

Roundtables/Meetings

Early Career Roundtable: Early Career Transitions

Facilitators: David Krantz, PhD; Jeanne McCaffrey, PhD; and Thomas Ritz, PhD

Conference Room 7

Textbook Sub Committee Meeting

Conference Room 9

8:00 - 8:55 am

Plenary Session

Neuro-Behavioral Pathways Linking Mindfulness and Physical Health

Presenter: David Creswell, PhD

Salon E

9:00 - 9:55 am

Plenary Session

Stress Management as a Probe for Illuminating Stress-Related Biobehavioral Processes

Presenter: Mike Antoni, PhD

Salon E

10:00 - 10:15 am

Break

10:15 - 11:30 am

Concurrent Sessions

Invited Symposium: Metabolic Syndrome and Health Disparities

Chair: Julian Thayer, PhD; Co-Chair: Gaston Kapuku, MD, PhD

Conference Room 1-4

Paper Session: Social Cardiophysiology

Chair: Clayton Hilmert, PhD

Conference Room 17-18

Symposium 1364: Biobehavioral Processes in Asthma: Understanding Mechanisms, Implementing Interventions

Chair: Simon Bacon, PhD

Salon C

Friday, March 11, 2011, *continued*

Invited Symposium: Current Directions in Stress Research: Andy Baum's Legacy
Chair: David S. Krantz, PhD
Discussant: Neil Schneiderman, PhD
Salon D

11:30 am - 12:45 pm Roundtables/Meetings
Roundtable: Mental Health Problems Related to Pregnancy and Postpartum Period: Which Interventions can We Offer?
Facilitator: Claire Stramrood, MD
Conference Room 10

Opportunities for NIH Funding of Psychosomatic Medicine Research
Facilitators: Susan Czajkowski, PhD; Catherine Stoney, PhD; Deborah Olster, PhD; Paige McDonald, PhD; Lis Nielsen, PhD
Conference Room 7

Psychosomatic Medicine Editorial Board Lunch
by invitation only
Conference Room 13-14

1:00 - 2:15 pm Concurrent Sessions
Symposium 1203: Biological Embedding of Childhood Experiences and Physical Health During the Life Course
Chair: Karen Matthews, PhD
Conference Room 1-4

Paper Session: Social Processes and Cardiovascular Health
Chair: Rebecca Thurston, PhD
Conference Room 17-18

Paper Session: Biopsychosocial Influences on Cancer
Chair: Deidre Pereira, PhD
Salon C

Paper Session: Biobehavioral Interventions
Chair: Joan Broderick, PhD
Salon D

2:15 - 2:30 pm Break

2:30 - 3:45 pm Concurrent Sessions
Invited Symposium: Advances In Integrative Medicine: Relevance To Psychosomatic Medicine
Presenters: Lorenzo Cohen, PhD; Michael R. Irwin, MD; and Susan K. Lutgendorf, PhD
Conference Room 1-4

Symposium 1208: The Impact of Emotional Distress on Physical Functioning, Arrhythmia Onset, and Clinical Outcomes in Patients with Atrial Fibrillation
Chair: Nina Kupper, PhD
Conference Room 17-18

Paper Session: Effects of depression treatments
Chair: Clayton Hilmert, PhD
Salon C

Paper Session: Biopsychosocial Links between Appetite, Eating, and Obesity
Chair: Teb Robles, PhD
Salon D

3:45 - 4:00 pm Break

4:00 - 5:15 pm Plenary Session
Psychological Mechanisms in Interventions for Individuals Living with Chronic Disease: Opportunity for Integration of Theory, Research and Practice
Presenter: Annette Stanton, PhD
Salon E

5:15 - 6:30 pm Poster Session 2
Salon A/B/F

6:30 - 7:30 pm Special Interest Gatherings
Salon I

Saturday, March 12, 2011

6:45 am - 5:00 pm Registration
Salon E Foyer

7:00 - 8:00 am Committee Meetings
2011/2012 Program Committee Meeting
Conference Room 7

Minority Initiative Meeting
Conference Room 9

8:00 - 8:55 am APS Business Meeting
Salon E

9:00 - 9:55 am Concurrent Sessions
Invited Talk: PROMIS®: Improved Patient Reported Outcomes for Clinical Research
Presenter: Arthur A. Stone, PhD
Conference Room 1-4

Paper Session: Psycho-Oncology
Chair: Maida Sewitch, PhD
Conference Room 17-18

Paper Session: Immune Function and Depression
Chair: Michele Okun, PhD
Salon C

Paper Session: Depression, Anxiety, and Cardiopulmonary Disease
Chair: Oliver Cameron, MD
Salon D

10:00 - 10:15 am Break

Saturday, March 12, 2011, *continued*

10:15 - 11:30 am Awards Talk Series I
 Salon E
 Patricia R. Barchas Award: Pathways Linking Social Support to Health
Presenter: Shelley Taylor, PhD

Paul D. MacLean Award: Order and Disorder in the Emotional Brain
Presenter: Richard J. Davidson, PhD

11:30 - 12:45 pm Roundtables/Meetings
 The Emergence of Contemplative Neuroscience
Facilitator: Richard J. Davidson, PhD
 Conference Room 9

Mechanisms of Biobehavioral Processes and Health: The Contributions of Psychophysiology and Psychosomatic Medicine
Facilitators: Kristen Salomon, PhD; Mustafa al'Absi, PhD; David A. Sbarra, PhD; Eco J.C. deGeus, PhD; and J. Richard Jennings, PhD
 Conference Room 7

Membership Committee Meeting
 Conference Room 10

12:45 - 2:00 pm Awards Talk Series II
 Salon E
 Herbert E. Weiner Early Career Award Presentation: Why Rejection Hurts: An Examination of the Shared Mechanisms Underlying Physical and Social Pain
Presenter: Naomi Eisenberger, PhD

Alvin P. Shapiro Award Presentation: Paving the Path from Mental Health Research into Practice: The Role of Primary Care/Mental Health Care Integration
Presenter: Lisa Rubenstein, MD

2:00 - 2:15 pm Break

2:15 - 3:30 pm Concurrent Sessions
 Invited Symposium: Ideas to Interventions: Translating Basic Behavioral Science Discoveries into Behavioral Interventions
Chairs: Susan Czajkowski, PhD and Lynda Powell, PhD
Discussant: Deborah Olster, PhD
 Conference Room 1-4

Paper Session: Sleep and Cardiovascular Health
Chair: Daniel Taylor, PhD
 Conference Room 17-18

Paper Session: The Influences of Early Life Experiences and SES on Health
Chair: Ted Robles, PhD
 Salon C

Paper Session: Acute Stress Psychophysiology
Chair: Kristen Salomon, PhD
 Salon D

3:30 - 3:45 pm Break

3:45 - 5:00 pm Concurrent Sessions
 Invited Talk: Project Heart Beat! Changes of Body Composition and Plasma Lipid Levels during Sexual Maturation
Presenter: Mona Eissa, MD
 Conference Room 1-4

Symposium 1253: Sleep and Health in Psychosomatic Medicine: Understanding Causal Mechanisms, Implementing Interventions
Chair: Martica Hall, PhD
 Conference Room 17-18

Symposium 1075: Interventions to Enhance Quality of Life and Health in Women Diagnosed with Breast Cancer: Main Effects, Mechanisms, and Moderators
Chair: Annette Stanton, PhD
 Salon C

Paper Session: Pain
Chair: Suzanne Segerstrom, PhD
 Salon D

5:00 - 6:15 pm Poster Session 3
 Salon A/B/F

7:00 pm Banquet
 Salon I

Scientific Program

Wednesday, March 9, 2011

8:00 am - 7:30 pm REGISTRATION *Salon E Foyer*

9:00 am - 4:30 pm APS COUNCIL MEETING *Conference Room 11*

12:30 - 4:30 pm HALF-DAY WORKSHOPS

Lab to Market: The Roadmap for Successful Commercialization of Behavioral Interventions *Conference Room 7*

Chair: Steven Locke, MD

Faculty: Steven Locke, MD and David Gruber, MD, MBA

The aim of this workshop is to educate and inform clinicians, clinical researchers, graduate students, and healthcare entrepreneurs by providing a roadmap to dissemination and implementation of evidence-based behavioral interventions in the community. Successful dissemination depends upon a realistic plan for sustainability once the translational research is completed. Publication of positive results alone is unlikely to support or drive dissemination. This workshop will focus on commercialization as a favored strategy for successful, large-scale dissemination of clinical innovations.

This introductory workshop will begin with an overview of the unmet need, opportunities for evidence-based behavioral interventions and the changing healthcare ecosystem, followed by a review of business model generation - essential knowledge for entrepreneurs. The first step on the roadmap is to analyze the market and how your solution uniquely addresses that need. Then, you need to develop a business model that addresses the question, "Who needs and will *pay* for this solution?" That requires a stakeholder analysis and the generation of a revenue model that offers sustainability and growth for the commercialization team.

To teach interdisciplinary collaboration essential for successful commercialization of healthcare innovations, a simulation exercise will be used in which the participants will break up into small groups, forming teams that will address a healthcare problem through an innovative design solution requiring collaboration among the team members. A debriefing following this exercise will focus on the teamwork and provide additional experiential learning about essential behaviors of successful teams.

Using the Right Tool for the Job: Principles and Applications of Laboratory Bench Techniques for Psychosomatic Medicine Research *Conference Room 12*

Chair: Suzi Hong, PhD

Faculty: Nicolas Rohleder, PhD; Anna Marsland, PhD; and Suzi Hong, PhD

Overview: A solid understanding of laboratory assay methods enables researchers to explore biological mechanisms and outcomes in psychosomatic research, and facilitates understanding of complex biopsychosocial interactions in health and disease. The aim of this workshop is to provide tutorials and interactive discussions on the principles, methods, and applications of widely used laboratory bench techniques. Investigators who are either planning on incorporating or are currently utilizing bench laboratory techniques in their research are welcome. Emphasis will be given to applications of these techniques, particularly addressing the interactions between psychosocial factors, biological mechanisms, and outcomes. This workshop is designed to accommodate all levels of research experience (or inexperience) in laboratory assay techniques. Three 50-minute tutorial/presentations will be followed by an hour of small-group activity in which participants will propose and discuss a research study utilizing the assay techniques from the workshop.

Laboratory Assay Techniques to Investigate the Stress Hormone System and its Effects on Target Tissues in Blood and Saliva

Accumulating evidence suggests that relevant target tissues of hypothalamus-pituitary adrenal (HPA) axis and autonomic nervous system (ANS) do not uniformly respond, but rather show variability in sensitivity to hormones and neurotransmitters (e.g., glucocorticoids, catecholamines). This section will provide an overview of techniques to measure 1) HPA axis and ANS activity and 2) the responsivity of their target tissues. In vitro functional assays for assessment of HPA and ANS regulation of inflammation, and the quantification of inflammatory transcription factors using real time RT-PCR will be discussed. These techniques have been used to successfully investigate alterations in target tissue sensitivity to neurohormonal activation in acute and chronic stress and affective disorders.

Laboratory Assay Techniques to Assess Inflammatory Markers: ELISA and Multiplex Techniques
Various inflammatory molecules in blood or cell culture are assessed to investigate inflammatory and immune cell activation states with significant implications in health and disease. In this session, techniques to assess soluble inflammatory markers such as Enzyme-Linked Immunosorbent Assay will be discussed. Furthermore, multiplex techniques for simultaneous assessment of multiple inflammatory markers will be discussed. The audience will learn the principles, strengths vs. limitations of the methods, and applications of these techniques.

Cellular Assay Techniques to Investigate Characteristics and Functions of the Sympathetic, Immune, and Hemostatic Systems

Interactions between psychosocial and biological processes are observed in immune and hemostatic changes in healthy and clinical populations. Various laboratory techniques are used to investigate these changes. In this session, methods and applications of cellular assays will be discussed with an emphasis on determining types, activation levels, and functions of immune cells and platelets using flow cytometry techniques. Methods to investigate sympathetic nervous-immune system interactions will be also discussed.

Ideas to Interventions: The Process of Developing Health-Related Behavioral Interventions

Conference Room 8

Faculty: Susan M. Czajkowski, PhD, Lynda Powell, PhD; Deborah Olster, PhD; Kim Reynolds, PhD; Linda Nebeling, PhD; and Bonnie Spring, PhD

Developing more powerful behavioral interventions for behavioral risk factors such as obesity, smoking, and adherence to medication depends on our ability to translate knowledge gained from basic behavioral research about the fundamental bases of human behavior into well-characterized, appropriately tested and optimized behavioral interventions. An approach that allows the development and optimization of behavioral interventions prior to their testing in large-scale randomized clinical and community trials is critical for building better, more powerful interventions for promoting behavior change and improving psychosocial risk factors to improve health.

In this workshop, Investigators and NIH program staff engaged in behavioral intervention development research will present findings and recommendations from a recent NIH-sponsored Workshop, entitled "Translating Ideas into Interventions," aimed at guiding researchers interested in developing behavioral interventions. The goals of the workshop are to:

- (1) Describe an overarching model or framework that can guide the development of behavioral interventions prior to testing in larger Phase III randomized clinical trials;
- (2) Identify the study designs, methods and analytic techniques appropriate for use in the development and early testing of behavioral interventions; and
- (3) Discuss the structures within academic, medical and funding institutions that can create barriers to interdisciplinary collaboration and innovation, and recommend how researchers can overcome these challenges and take advantage of opportunities for translating novel behavioral science discoveries into innovative behavioral interventions.

5:00 - 5:15 pm

Welcome & Announcements

Salon E

Chairs: Paul J. Mills, PhD and Joshua M. Smyth, PhD

5:15 - 5:30 pm

APS & Degnon Associates: 25 Years of Collaboration!

Salon E

Chair: Paul J. Mills, PhD

The APS would like to recognize Degnon Associates for their 25 years of expert management of our Society. We extend our deepest gratitude and appreciation to Laura and George Degnon for their able leadership and ongoing friendship. We are also grateful to their outstanding team including Sarah Shiffert and Christine Lusk. APS is fortunate to have had exceptional professional management support from Degnon Associates and, as a result, we continue to prosper in all aspects of our activities. We look forward to continuing our strong collaboration into the future.

5:30 - 6:20 pm

PRESIDENTIAL ADDRESS

Salon E

The American Psychosomatic Society: Some History, Its Mission, Future Directions

Chair: Paul J. Mills, PhD, APS President

6:20 - 6:55 pm

AWARD ANNOUNCEMENTS

Salon E

Chair: Douglas Carroll, PhD

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

1) Abstract 1796

HIGHER ACCULTURATION, STRESS, AND ELEVATED INFLAMMATORY MARKERS CONTRIBUTE TO POOR OUTCOMES IN PREGNANT LATINAS

Mary E. Coussons-Read, PhD, Psychology and Health and Behavioral Science, The University of Colorado Denver, Denver, Colorado, USA., Marci Lobel, PhD, Social and Health Psychology, Stony Brook University, Stony Brook, New York, Chandra Brandt, Stephanie Cole, M.A., Marianne Kreither, Psychology, The University of Colorado Denver, Denver, Colorado

2) Abstract 1363

SOCIAL STATUS MODULATES NEURAL ACTIVITY IN THE MENTALIZING NETWORK

Keely A. Muscatell, M.A., Psychology, UCLA, Los Angeles, CA, Emily Falk, PhD, Communication Studies, Institute for Social Research, University of Michigan, Ann Arbor, MI, Sylvia A. Morelli, M.A., Psychology, UCLA, Los Angeles, CA, Jennifer H. Pfeifer, PhD, Psychology, University of Oregon, Eugene, OR, Baldwin M. Way, PhD, Psychology, The Ohio State University, Columbus, OH, Matthew D. Lieberman, PhD, Psychology, Mirella Dapretto, PhD, Psychiatry and Biobehavioral Sciences, Naomi I. Eisenberger, PhD, Psychology, UCLA, Los Angeles, CA

3) Abstract 1828

FASTER VAGAL RECOVERY AFTER COGNITIVE CHALLENGE ATTENUATES AGE-RELATED DEFICITS IN EXECUTIVE FUNCTION

Olga V. Crowley, PhD, Paula S. McKinley, PhD, Division of Behavioral Medicine, Psychiatry, Columbia University Medical Center, New York, NY, Matthew M. Burg, PhD, Center for Behavioral Cardiovascular Health, Columbia University School of Medicine, New York, NY, David Kimhy, PhD, Psychiatry, Columbia University Medical Center, New York, NY, Joseph E. Schwartz, PhD, Center for Behavioral Cardiovascular Health, Columbia University School of Medicine, New York, NY, Yihong Zhao, PhD, Division of Behavioral Medicine, Psychiatry, Columbia University Medical Center, New York, NY, Carol D. Ryff, PhD, Psychology, University of Wisconsin, Madison, Madison, WI, Patricia A. Tun, PhD, Margie E. Lachman, PhD, Psychology, Brandeis University, Waltham, Massachusetts, Maxine Weinstein, PhD, Center for Population and Health, Georgetown University, Washington, DC, Teresa E. Seeman, PhD, Geriatrics, UCLA David Geffen School of Medicine, Los Angeles, CA, Richard P. Sloan, PhD, Division of Behavioral Medicine, Psychiatry, Columbia University Medical Center, New York, NY

4) Abstract 1821

ASSOCIATIONS AMONG DAILY STRESSORS, NEGATIVE AFFECT, AND SALIVARY CORTISOL: FINDINGS FROM THE NATIONAL STUDY OF DAILY EXPERIENCES

Robert S. Stawski, PhD, Survey Research Center, University of Michigan, Ann Arbor, MI, David M. Almeida, PhD, Human Development and Family Studies, Pennsylvania State University, University Park, PA, Kelly E. Cichy, PhD, Human Development and Family Studies, Kent State University, Kent, OH

5) Abstract 1247

CARDIAC VAGAL CONTROL AS A PROSPECTIVE PREDICTOR OF ANXIETY IN WOMEN DIAGNOSED WITH BREAST CANCER

Anya V. Kogan, B.A., John J.B. Allen, PhD, Róisín O'Donnell, B.A., Amanda E. Brody, M.A., Psychology, Karen L. Weihs, MD, Psychiatry and Family Medicine, University of Arizona, Tucson, AZ

6) Abstract 1806

BIOBEHAVIORAL FACTORS AND TELOMERE LENGTH IN CERVICAL CANCER SURVIVORS

Kelly A. Biegler, PhD, Medicine, Lari Wenzel, PhD., Medicine; Population of Health & Disease Prevention, Kathy Osann, PhD., Medicine, Susie Hsieh, PhD., Health Policy Research Institute, Edward Nelson, MD, Medicine; Molecular Biology & Biochemistry, University of California, Irvine, Irvine, CA

7) Abstract 1271

EFFECTS OF A TRAINING SESSION ON THERAPEUTIC ALLIANCE TAILORED FOR GENERAL PRACTITIONERS ON GLYCAEMIC CONTROL IN TYPE 2 DIABETIC PATIENTS

Silla M. Consoli, PhD, Cedric Lemogne, PhD, CL-Psychiatry, European Georges Pompidou Hospital, Paris, Ile de France, Philippe Passa, PhD, Diabetology, Saint Louis Hospital, Paris, Ile de France, Marc Ferriere, Cardiology, Hopital Arnaud de Villeneuve, Montpellier, Hérault, Martine Tramoni, MD, Diabetology, Laboratoires Servier, Neuilly sur Seine, Ile de France, France

8) Abstract 1748

POSITIVE AFFECT IS RELATED TO OBJECTIVE AND SELF-REPORTED EXERCISE BEHAVIOR: THE IMPORTANCE OF AMBULATORY AND PERSONALITY MEASURES

Lauren M. Smith, MA, John Ruiz, PhD, Courtney C. Prather, BA, Erin E. Kauffman, BA, Psychology, University of North Texas, Denton, TX, Heidi A. Hamann, PhD, Psychiatry, UT-Southwestern, Dallas, TX

9) Abstract 1028

NEURAL CHARACTERISTICS OF COGNITIVE CONTROL OF NEGATIVE EMOTION IN SUBJECTS WITH IRRITABLE BOWEL SYNDROME

Atsushi Sekiguchi, Motoaki Sugiura, Department of Functional Brain Imaging, IDAC, Tohoku University, Sendai, Japan, Joe Morishita, Department of Behavioral Medicine, Tohoku University Graduate School of Medicine, Sendai, Japan, Yuka Kotozaki, Smart Ageing International Research Center, IDAC, Tohoku University, Sendai, Japan, Emiko Aizawa, Shin Fukudo, Department of Behavioral Medicine, Tohoku University Graduate School of Medicine, Sendai, Japan, Ryuta Kawashima, Smart Ageing International Research Center, IDAC, Tohoku University, Sendai, Japan

10) Abstract 1198

MODULATING INFLUENCES OF ET-1 LYS198ASN GENOTYPE AND CHRONIC STRESS UPON STRESS REDUCTION PROGRAMS IN REDUCING AMBULATORY BLOOD PRESSURE (BP) AMONG AFRICAN AMERICAN (AA) ADOLESCENTS

Mathew J. Gregoski, PhD, Nursing, Medical University of South Carolina, Charleston, SC, Vernon A. Barnes, PhD, Martha S. Tingen, PhD, Yanbin Dong, MD/PhD, Haidong Zhu, MD/PhD, Pediatrics, Medical College of Georgia, Augusta, GA, Frank A. Treiber, PhD, Nursing & Psychiatry, Medical University of South Carolina, Charleston, SC

11) Abstract 1159

HEART RATE AND COMPLETED SUICIDE: EVIDENCE FROM THE IPC COHORT STUDY.

Cédric Lemogne, MD, PhD, Faculté de médecine, Université Paris Descartes, Paris, France, Frédérique THOMAS, PhD, IPC Center, Paris, France, Silla M. CONSOLI, MD, PhD, C-L Psychiatry, European Georges Pompidou Hospital, Paris, France, Bertrand JEGO, MBA, Bruno PANNIER, MD, IPC Center, Paris, France, Nicolas DANCHIN, MD, PhD, Cardiology, European Georges Pompidou Hospital, Paris, France

12) Abstract 1637

PAIN-RELATED INSULA ACTIVITY PREDICTS CLINICAL COURSE OF MAJOR DEPRESSION: A FOLLOW-UP FMRI STUDY

Scott C. Matthews, MD, Irina A. Strigo, PhD, Alan N. Simmons, PhD, Psychiatry, UCSD, San Diego, CA, Ryan M. O'Connell, BS, Psychiatry, Veterans Medical Research Foundation, San Diego, CA

13) Abstract 1277

HISTORY OF DEPRESSIVE EPISODES AS A RISK FACTOR FOR ILLNESS SEVERITY IN EARLY INFLAMMATORY ARTHRITIS

Karl J. Looper, MD, Psychiatry, McGill University, Montreal, Quebec, Canada, Sally S. Mustafa, PhD, Pharmacology, The University of Lahore, Lahore, Punjab, Pakistan, Phyllis Zelkowitz, EdD, Psychiatry, Margaret Purden, PhD, Nursing, Murray Baron, MD, Rheumatology, McGill University, Montreal, Quebec, Canada, Sally S. Mustafa, PhD, Pharmacology, The University of Lahore, Islamabad, Pakistan

14) Abstract 1735

SUBLIMINALLY PRIMING RESISTANCE TO PAIN

Abraham M. Rutchick, PhD, Aron Jacobson, B.A., Psychology, California State University, Northridge, Northridge, CA

15) Abstract 1805

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

Kristin A. Zernicke, M.Sc., Tavis S. Campbell, PhD, Department of Psychology, Philip K. Blustein, MD, FRCPC, Department of Medicine, Tak S. Fung, PhD, Department of Mathematics and Statistics, Jillian A. Evans, B.Sc., Department of Psychology, Linda E. Carlson, PhD, Department of Oncology, University of Calgary, Calgary, AB, Canada

16) Abstract 1384

FACTORS IN THE SOCIAL AND PHYSICAL ENVIRONMENT INTERACT TO INFLUENCE YOUTH ASTHMA

Hannah M. Schreier, M.A., Nandini Maharaj, BA, Will Lee, BA, Psychology, University of British Columbia, Vancouver, British Columbia, Canada, Edith Chen, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

17) Abstract 1173

THE ASSOCIATION BETWEEN BMI, SEVERITY OF DEPRESSIVE SYMPTOMS AND THE PERCEPTION OF DYSPNEA IN ADULT ASTHMATICS

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

18) Abstract 1405

EMPIRICALLY DERIVED COMPONENTS OF THE COOK-MEDLEY SCALE AND INFLAMMATION IN AFRICAN AMERICANS

Mana Ali, MS, Denee T. Mwendwa, PhD, Regina C. Sims, PhD, Serge Madhere, PhD, Shellie-Anne Levy-Massey, MS, Georica Gholson, MS, Alfonso L. Campbell, PhD, Psychology, Howard University, Washington, DC, Clive O. Callender, MD, College of Medicine, Howard University Hospital, Washington, DC

19) Abstract 1168

DEPRESSIVE AFFECT, POSITIVE AFFECT, AND MORTALITY IN PATIENTS WITH AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR

Krista C. Van den Broek, PhD, CoRPS - Medical Psychology and Neuropsychology, Tilburg University, Tilburg, The Netherlands, Fetene B. Tekle, PhD, Department of Methodology and Statistics, Mirela Habibovic, MSc, Department of Medical Psychology and Neuropsychology, Tilburg University, Tilburg, The Netherlands, Marco Alings, PhD, Department of Cardiology, Amphia Hospital, Breda, The Netherlands, Pepijn H. Van der Voort, MD, Department of Cardiology, Catharina Hospital, Eindhoven, The Netherlands, Johan Denollet, PhD, Department of Medical Psychology and Neuropsychology, Tilburg University, Tilburg, The Netherlands

20) Abstract 1372

RELATIONSHIP OF SELF- AND INFORMANT-REPORTED PERSONALITY RATINGS TO PRESENCE OF THE METABOLIC SYNDROME

Karissa G. Miller, B.A., Psychology, University of Pittsburgh, Pittsburgh, Pennsylvania, Janine D. Flory, PhD, Psychology, Queens College, CUNY, Flushing, New York, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, Pennsylvania

21) Abstract 1766

PHOBIC ANXIETY IN PATIENTS WITH AN IMPLANTED CARDIOVERTER DEFIBRILLATOR: FINDINGS FROM THE THE LIVING WITH AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (LICAD) PROSPECTIVE STUDY

En-Young N. Cho, MD, Roland von Känel, MD, General Internal Medicine, University Hospital, Bern, Switzerland, Birgit Marten-Mittag, PhD, Joram Ronel, MD, Psychosomatic Medicine, Christof Kolb, MD, Heart Centre, Technical University, Munich, Germany, Jens Baumert, PhD, Karl-Heinz Ladwig, MD, PhD, Epidemiology, Helmholtz Zentrum, Munich, Germany

22) Abstract 1590

THE INDEPENDENT ASSOCIATION OF ANXIETY DISORDERS WITH INCIDENT HEART FAILURE IN A RETROSPECTIVE COHORT OF VA PATIENTS.

Lauren D. Garfield, MPH, Center for Health Outcomes Research, Saint Louis University School of Public Health, St. Louis, MO, Timothy Chrusciel, MPH, Research Service, St. Louis Veterans Affairs Medical Center, St. Louis, MO, Paul J. Hauptman, Medicine, Division of Cardiology, Saint Louis University School of Medicine, St. Louis, MO, Kenneth E. Freedland, Patrick J. Lustman, Robert M. Carney, Psychiatry, Washington University School of Medicine, St. Louis, MO, Richard Owen, Research & Development Service, Central Arkansas Veterans Healthcare System, Little Rock, AR, Kathleen K. Bucholz, PhD, Psychiatry, Washington University School of Medicine, St. Louis, MO, Jeffrey F. Scherrer, PhD, Research Service, St. Louis Veterans Affairs Medical Center, St. Louis, MO

23) Abstract 1694

OUTRUNNING YOUR GENES - GENETIC MODERATION OF ASSOCIATION BETWEEN EXERCISE AND THE METABOLIC SYNDROME

Jay E. Champlin, B.A., University of Pittsburgh School of Medicine, Pittsburgh, PA, Indrani Halder, PhD, Cardiology, University of Pittsburgh Medical Center, Pittsburgh, PA, Stephen B. Manuck, PhD, Psychology, Robert E. Ferrell, PhD, Human Genetics, University of Pittsburgh, Pittsburgh, PA, Matthew F. Muldoon, MD, MPH, Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA

24) Abstract 1094

PSYCHOLOGICAL DISTRESS PERCEIVED DURING MYOCARDIAL INFARCTION AS A PREDICTOR OF POOR CARDIOVASCULAR OUTCOME

Roland von Känel, MD, Roman Hari, MSc, General Internal Medicine, Jean-Paul Schmid, MD, Hugo Saner, MD, Cardiac Prevention and Rehabilitation, Stefan Begeré, MD, General Internal Medicine, University Hospital, Bern, Switzerland

25) Abstract 1146

FUNCTIONAL CONNECTIVITY BETWEEN INSULA AND VENTRAL STRIATUM JOINTLY COVARIES WITH INSULIN RESISTANCE AND DEPRESSIVE SYMPTOMS

John P. Ryan, PhD, Lei K. Sheu, PhD, Psychiatry, Peter J. Gianaros, PhD, Psychiatry and Psychology, University of Pittsburgh, Pittsburgh, PA

Thursday, March 10, 2011

6:45 am - 5:30 pm

REGISTRATION

A light continental breakfast will be served from 6:45 to 8:00 am.

Salon E Foyer

7:00 - 8:00 am

ROUNDTABLE

Early Career Roundtable: Securing Funding Fast: Making A Plan of Action and Identifying Sources

Conference Room 7

Chair: *Vanessa Juth, BA*

Facilitators: *Judith Andersen, PhD; and William Lovallo, PhD*

The goal of this roundtable is to provide trainees and early career attendees with concrete advice on seeking research funding early in one's career. The first presentation will include a step by step guide to finding and applying for small grants. Concrete suggestions, examples and resources will be provided with the goal of aiding students to create a realistic and timely action plan for locating funding. The second presentation will address what NIH and VA grant committees are looking for when reviewing student applications. Recommendations on what to highlight in your proposal and how to secure a mentoring relationship that will meet the expectations of these funding sources will be provided.

8:00 - 8:55 am

PLENARY SESSION

Salon E



Victor Strecher, PhD

Information Technology in Health Care: The Next Ten Years

Chair: *Steve Locke, MD*

Presenter: *Victor Strecher, PhD*

In this presentation Dr. Strecher will discuss recent approaches to using interactive media, including the Internet and mobile technologies, to engage and assist people in health-related behavior changes. Specific uses of these interactive technologies for the management of depression, weight, smoking, and other areas will be discussed. In addition, underlying mechanisms for behavior change will be considered. The objectives of this talk are to 1) better understand the role and potential of interactive media in psychosomatic medicine; 2) better differentiate the quality of interactive media programs in psychosomatic medicine; and 3) better understand underlying mechanisms for health-related behavior change.

9:00 - 10:15 am

CONCURRENT SESSIONS

Paper Session: Cardiovascular Disease Risk

Conference Room 1-4

Chair: *Rebecca Thurston, PhD*

Abstract 1345

TRAUMATIC PSYCHOLOGICAL STRESS AND INFLAMMATORY ACTIVITY IN PATIENTS WITH CARDIOVASCULAR DISEASE: FINDINGS FROM THE HEART AND SOUL STUDY

Aoife O'Donovan, PhD, Thomas Neylan, MD, Thomas Metzler, MA, Psychiatry, Mary A. Whooley, MD, Beth E. Cohen, MD, Medicine, University of California, San Francisco, San Francisco, CA

Abstract 1809

MARITAL DISTRESS AND C-REACTIVE PROTEIN: PRELIMINARY EVIDENCE FROM A MARITAL THERAPY INTERVENTION AIMED AT CHD RISK REDUCTION

Julianne Holt-Lunstad, PhD, Patrick R. Steffen, PhD, Psychology, Jonathan Sandberg, PhD, Marriage and Family Therapy, Bryan Jensen, BS, Psychology, Brigham Young University, Provo, UT

Abstract 1179

HOT FLASHES AND CARDIAC VAGAL CONTROL IN THE AMBULATORY SETTING: A LINK TO CARDIOVASCULAR RISK?

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

Abstract 1220

DAILY PSYCHOSOCIAL DEMANDS ARE ASSOCIATED WITH SIX-YEAR CHANGES IN CAROTID ARTERY ATHEROSCLEROSIS: THE PITTSBURGH HEALTHY HEART PROJECT

Thomas W. Kamarck, PhD, Saul Shiffman, PhD, Psychology, Kim Sutton-Tyrrell, Dr. P.H., Epidemiology, Matthew F. Muldoon, MD, Medicine, University of Pittsburgh, Pittsburgh, PA

Thursday, March 10, 2011

Symposium 1170: Population Level Integration of Psychosocial and Biological Processes: Results from the MIDUS Study

Conference Room 17-18

Chair: Carol Ryff, PhD

Individual Abstract Number: 1233

ANGER, EDUCATIONAL STATUS, AND INFLAMMATION: INVESTIGATING A MODERATION MODEL
Jennifer A. Morozink, MS, Carol D. Ryff, PhD, Psychology, University of Wisconsin, Madison, WI

Individual Abstract Number: 1634

THE INTERACTIVE EFFECT OF CHANGE IN PERCEIVED STRESS AND TRAIT NEGATIVE AFFECT ON VAGAL RECOVERY FROM COGNITIVE CHALLENGE

Olga V. Crowley, PhD, Paula S. McKinley, PhD, Psychiatry, Division of Behavioral Medicine, Columbia University Medical Center, New York, NY, Matthew M. Burg, PhD, Columbia University School of Medicine, Yale University School of Medicine, Columbia University School of Medicine, New York, NY, Joseph E. Schwartz, PhD, Columbia University School of Medicine, Columbia University School of Medicine, New York, NY, Carol D. Ryff, PhD, Psychology, University of Wisconsin, Madison, Madison, WI, Maxine Weinstein, PhD, Center for Population and Health, Georgetown University, Washington, DC, DC, Teresa E. Seeman, PhD, Department of Geriatrics, University of California-Los Angeles, Los Angeles, CA, Richard P. Sloan, PhD, Psychiatry, Division of Behavioral Medicine, Columbia University Medical Center, New York, NY

Individual Abstract Number: 1594

PERCEIVED DISCRIMINATION PREDICTS POORER SELF-REPORTED AND OBJECTIVELY ASSESSED SLEEP

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

Individual Abstract Number: 1407

LIVING THE GOOD LIFE: FREQUENCY OF POSITIVE LIFE EXPERIENCES AND MULTI-SYSTEM PHYSIOLOGICAL ILL-BEING

Tara L. Gruenewald, PhD, Medicine/Geriatrics, University of California, Los Angeles, CA

Symposium 1030: Correlates and Buffers of Telomere Shortening: Implications for Interventions

Salon C

Chair: A. Janet Tomiyama, PhD

Discussant: Elissa Epel, PhD

Individual Abstract Number: 1294

GREATER CORTISOL RESPONSE TO ACUTE STRESS IS ASSOCIATED WITH SHORTER TELOMERE LENGTH

A. Janet Tomiyama, PhD, Psychology and Psychiatry, UC Berkeley / UCSF, San Francisco, California, Aoife O'Donovan, PhD, Post-Traumatic Stress Disorders, San Francisco Veteran's Affairs Medical Center, San Francisco, CA, Jue Lin, PhD, Biochemistry and Biophysics, University of California, San Francisco, San Francisco, CA, Eli Puterman, Ph.D, Center for Health and Community, Alanie Lazaro, B.A., Psychiatry, University of California, San Francisco, San Francisco, California, Jessica K. Chan, B.A., Medicine, Chicago College of Osteopathic Medicine Midwestern U, Downers Grove, IL, Elizabeth Blackburn, PhD, Biochemistry and Biophysics, University of California, San Francisco, San Francisco, CA, Elissa S. Epel, PhD, Psychiatry, University of California, San Francisco, San Francisco, California

Individual Abstract Number: 1293

CHILDHOOD ADVERSITY HEIGHTENS THE IMPACT OF LATER-LIFE CAREGIVING STRESS ON TELOMERE LENGTH AND INFLAMMATION

Janice K. Kiecolt-Glaser, PhD, Psychology and Psychiatry, IBMR, Ohio State University, Columbus, OH, Jean-Phillipe Gouin, PhD, Clinical Psychology, Rush Medical Center, Chicago, IL, Nan-ping Weng, MD, Laboratory of Immunology, National Institute of Aging, Baltimore, MD, William B. Malarkey, MD, Division of Endocrinology, Diabetes, and Metabolism, IBMR, Ohio State University, Columbus, OH, David Q. Beversdorf, MD, Psychological Sciences, University of Missouri, Thompson Center, Columbia, MO, Ronald Glaser, PhD, Molecular Virology, Immunology and Medical Genetics, IBMR, Ohio State University, Columbus, OH

Individual Abstract Number: 1292

LEISURE TIME PHYSICAL ACTIVITY BUFFERS ASSOCIATIONS BETWEEN CHILDHOOD ABUSE AND ADULTHOOD STRESS WITH LEUKOCYTE TELOMERE LENGTH

Eli Puterman, PhD, Center for Health and Community, University of California, San Francisco, San Francisco, California, George Slavich, PhD, University of California, Jue Lin, PhD, Biochemistry and Biophysics, Jeffrey Kraus, AB, School of Medicine, University of California, San Francisco, San Francisco, CA, Alanie Lazaro, B.A., Wanda Truong, B.A., Psychiatry, University of California, San Francisco, San Francisco, California, Joshua Cheon, PhD, Biochemistry and Biophysics, University of California, San Francisco, San Francisco, CA, Nancy Adler, PhD, Department of Psychiatry, University of California, San Francisco, CA, Elizabeth Blackburn, PhD, Biochemistry and Biophysics, Elissa Epel, PhD, Department of Psychiatry, University of California, San Francisco, San Francisco, CA

Paper Session: Post-Traumatic Stress Disorder

Salon D

Chair: Judith Andersen, PhD

Abstract 1755

HYDROCORTISONE AS A SECONDARY INTERVENTION TO PREVENT SUBSEQUENT PTSD SYMPTOMS

Douglas L. Delahanty, PhD, Psychology, Kent State University, Kent, OH, Sarah Ostrowski, PhD, Psychology, Western Kentucky University, Bowling Green, KY, Nicole Nugent, PhD, Psychology, Alpert Brown Medical School, Providence, RI, Crystal Gabert, MA, Psychology, Kent State University, Kent, OH, William Fallon, MD, Surgery, Summa Health System, Akron, OH

Abstract 1783

POSTTRAUMATIC STRESS DISORDER AND THE INCIDENCE OF CORONARY HEART DISEASE

Viola Vaccarino, MD PhD, Epidemiology, Emory University School of Public Health, Atlanta, GA, Jack Goldberg, PhD, Vietnam Era Twin Registry, Seattle, WA, Cherie Rooks, PhD, Epidemiology, Emory University School of Public Health, Atlanta, GA, Amit Shah, MD, Emir Veledar, PhD, Medicine, Emory University School of Medicine, Atlanta, GA, Nicholas L. Smith, PhD, Vietnam Era Twin Registry, Seattle, WA, James D. Bremner, MD, Psychiatry, Emory University School of Medicine, Atlanta, GA

Abstract 1605

ASSOCIATION BETWEEN PTSD, SUBSTANCE USE DISORDERS, AND MEDICAL CONDITIONS AMONG RETURNING VETERANS

Deborah Nazarian, PhD, VA Palo Alto Health Care System, Stanford University School of Medicine, Menlo Park, CA, Rachel Kimerling, PhD, VA Palo Alto Health Care System, Menlo Park, CA, Susan M. Frayne, MD, VA Palo Alto Health Care System, Stanford University, Menlo Park, CA

Abstract 1346

PTSD AND RECURRENCE RISK PERCEPTIONS IN ACUTE CORONARY SYNDROME PATIENTS

Donald Edmondson, PhD, Jonathan A. Shaffer, PhD, Ellen-ge Denton, PhD, Daichi Shimbo, MD, Lynn P. Clemow, PhD, General Medicine, Columbia University Medical Center, New York, NY

10:15 - 10:30 am

BREAK

10:30 - 11:25 am

CONCURRENT SESSIONS



Martica Hall, PhD

Invited Talk: Sleep in Psychosomatic Medicine: Theory, Data, and Translational Promise

Conference Room 1-4

Chair: Michele Okun, PhD

Presenter: Martica Hall, PhD

Dr. Hall will present a theoretical perspective for considering sleep in the context of psychosomatic medicine. She will use data from basic and clinical studies to summarize the current state of science and suggest promising avenues for future translational research.

Paper Session: Type D Personality and Cardiac Disease

Conference Room 17-18

Chair: Oliver Cameron, MD

Abstract 1433

ASSOCIATION OF TYPE D PERSONALITY WITH CARDIOVASCULAR DISEASE RISK FACTORS, UNHEALTHY LIFESTYLE AND CORONARY EVENTS IN THE GENERAL POPULATION.

Erla Svansdottir, cand. psych, Krista C. Van den Broek, PhD, CoRPS- Department of Medical Psychol-

Thursday, March 10, 2011

ogy, Tilburg University, Tilburg, The Netherlands, Hrobjartur D. Karlsson, MD, Department of Cardiology, Bolli Þórsson, MD, Research, Icelandic Heart Association, Kópavogur, Iceland, Johan Denollet, PhD, CoRPS- Department of Medical Psychology, Tilburg University, Tilburg, The Netherlands

Abstract 1104

CROSS-CULTURAL DIFFERENCES IN TYPE D PERSONALITY? - A STUDY FROM THE EURO CARDIO-QOL PROJECT

Nina Kupper, PhD, Susanne S. Pedersen, PhD, Medical Psychology, Tilburg University, Tilburg, The Netherlands, Stephan Höfer, PhD, Medical Psychology, Innsbruck Medical University, Innsbruck, Austria, Hugo Saner, MD PhD, Cardiovascular Prevention and Rehabilitation, University Hospitals Inselspital, Bern, Switzerland, Neil Oldridge, MD, PhD, Comprehensive Cardiovascular Care Group, University of Wisconsin School of Medicine, Milwaukee, Wisconsin, Johan Denollet, PhD, Medical Psychology, Tilburg University, Tilburg, The Netherlands

Abstract 1058

TYPE-D PERSONALITY AND ALL-CAUSE MORTALITY IN CARDIAC PATIENTS - DATA FROM A GERMAN COHORT STUDY

Gesine Grande, DrPH, Matthias Romppel, MS, Applied Social Sciences, Leipzig University of Applied Sciences, Leipzig, Germany, Jana-Marie Patzer, MS, Christoph Herrmann-Lingen, MD, Psychosomatic Medicine and Psychotherapy, University of Goettingen, Goettingen, Germany

Symposium 1845: Depressed Mood and Suicidal Ideation in African American Women: Biobehavioral Processes, Mechanisms and Intervention

Salon C

Chair: Eugene Emory, PhD

Discussant: Julian Thayer, PhD

Individual Abstract Number: 1849

STRESS, ANXIETY AND MOOD IN PREGNANT WOMEN

Joy Beckwith, M.A., M.PH., Huaiyu Zhang, M.S., M.A., Sophia Green, M.A., Brittany Robinson, B.S., Denise Raynor, MD, Eugene Emory, PhD, Psychology, Emory University, Atlanta, GA

Individual Abstract Number: 1846

BEHAVIORAL PERINTOLOGY

Eugene Emory, PhD, Sophia Green, M.A., Huaiyu Zhang, M.S., M.A., Brittany Robinson, B.S., Denise Raynor, MD, Psychology, Emory University, Atlanta, GA

Individual Abstract Number: 1851

MEDIATING MECHANISMS OF A CULTURALLY SENSITIVE INTERVENTION ON AFRICAN AMERICAN WOMEN WITH DEPRESSION AND SUICIDAL IDEATIONS

Huaiyu Zhang, M.S., M.A., Eugene Emory, PhD, Psychology, Nadine Kaslow, Department of Psychiatry and Behavioral Sciences, Emory University, Atlanta, GA

Paper Session: Placebos

Salon D

Chair: Suzanne Segerstrom, PhD

Abstract 1710

ARE SOME PLACEBOS MORE EFFECTIVE THAN OTHERS? FIRST RESULTS FROM A SYSTEMATIC REVIEW ON MIGRAINE PROPHYLAXIS

Karin Meissner, MD, Klaus Linde, MD, General Practice, Technical University, Munich, Germany, Gerta Rücker, PhD, Medical Biometry and Medical Informatics, University Medical Center, Freiburg, Germany, Margrit Fässler, MD, General Practice, Technical University, Munich, Germany

Abstract 1842

GETTING NOCEBO EFFECTS INTO CLINICAL PRACTICE

Luana Colloca, PhD, NCCAM, National Institutes of Health, Bethesda, Maryland

Abstract 1717

DIRECT EFFECTS OF A SHAM INTERVENTION ON CORONARY ARTERIES

Karin Meissner, MD, Medical Psychology, University of Munich, Munich, Germany, Julinda Mehilli, MD, Cardiovascular Diseases, Deutsches Herzzentrum, Munich, Germany, Karl-Heinz Ladwig, PhD, Epidemiology, Helmholtz Zentrum München, Neuherberg, Germany, Hannah Blättler, Psychosomatic Medicine and Psychotherapy, Nina Oversohl, Klaus Linde, MD, General Practice, Peter Henningsen, MD, Joram Ronel, MD, Psychosomatic Medicine and Psychotherapy, Technical University Munich, Munich, Germany

Thursday, March 10, 2011

11:30 am - 12:45 pm

ROUNDTABLES/MEETINGS (or lunch on your own)

Behavioral Sleep Interventions 101

Conference Room 7

Chair: Wendy Troxel, PhD

Facilitators: Wendy M. Troxel, PhD and Daniel Taylor, PhD

Sleep disorders are highly prevalent, particularly in patients with comorbid mental and physical health conditions, and can predict poorer treatment outcomes. The purpose of this roundtable is to provide a basic understanding of the principles of behavioral therapies for sleep as well as basic assessment tools in sleep medicine. The roundtable will be presented in an interactive format with opportunities for audience members to ask questions about different types of sleep complaints, what types of therapies are available, and when to refer for diagnostic sleep studies. We will also review the basic principles underlying cognitive behavioral therapy for insomnia, an empirically supported treatment which has been shown to be equally effective in treating insomnia as pharmacologic treatment and more enduring.

Lab to Market 2011: New Strategies for Dissemination and Implementation of Evidence-Based Behavioral Interventions in Primary Care and Accountable Care Organizations - the Future of Health

Conference Room 9

Chair: Steven Locke, MD

Co-Facilitator: David Gruber, MD, MBA

Efforts underway to reform US healthcare are creating opportunities for innovative approaches to the integration of behavioral health into primary care and specialty medical practice. This is particularly true for the management of chronic medical conditions as well as for behavioral health risks such as the epidemic of obesity with its ominous impact on morbidity, mortality, health costs, and lost productivity. The emergence of new models of care (such as collaborative care, shared decision-making, and mental health parity), and new technologies (such as telehealth, the medical home, and Health 2.0) are some of the building blocks for change. Clinical research in psychosomatic medicine will lead to the development of successful population health management interventions only if they can be shown to be *clinically effective, cost-effective, and capable of dissemination and implementation*. One strategy, discussed during last year's *Lab to Market Roundtable*, was the idea that commercialization is required to achieve meaningful penetration into the healthcare market. In this roundtable, we will examine other models for dissemination and implementation. Leaders in clinical innovation will discuss successful programs in which evidence-based behavioral treatments are being integrated into primary care. Participants will discuss the challenges and opportunities at the interface between psychosomatic medicine and business and the roundtable faculty will provide guidance to participants who are contemplating or beginning the development of similar efforts.

Professional Education Committee Meeting

Conference Room 10

12:45 - 2:00 pm

CONCURRENT SESSIONS

Paper Session: Acute Stress and PNI

Conference Room 1-4

Chair: Tara Gruenewald, PhD

Abstract 1818

LATENT CYTOMEGALOVIRUS INFECTION IS ASSOCIATED WITH INCREASED LYMPHOCYTE BETA-ADRENERGIC RECEPTOR SENSITIVITY AND ENHANCED CD8 T CELL RECRUITMENT DURING ACUTE STRESS

Jos A. Bosch, PhD, Paul Moss, MD, Institute of Cancer studies, University of Birmingham, Birmingham, United Kingdom, Suzi Hong, PhD, Paul J. Mills, PhD, Brent T. Mausbach, PhD, Thomas L. Patterson, PhD, Psychiatry, University of California San Diego, La Jolla, CA, Roland von Kanel, MD, General Internal Medicine, Bern University Hospital, Bern, Switzerland, Sonia Ancoli-Israel, PhD, Joel E. Dimsdale, MD, Psychiatry, University of California San Diego, La Jolla, CA, Michael G. Ziegler, MD, Medicine, UCSD Medical Center, San Diego, CA, Matthew Allison, MD, Igor Grant, MD, Psychiatry, University of California San Diego, La Jolla, CA

Abstract 1400

SOCIAL SUPPORT BUFFERS THE EFFECTS OF ANGER ON THE SYSTEMIC PROINFLAMMATORY RESPONSE INDUCED BY ACUTE STRESS.

Eli Puterman, PhD, Epel Elissa, PhD, Aoife O'Donovan, PhD, A. Janet Tomiyama, PhD, Department of Psychiatry, University of California, San Francisco, San Francisco, CA, Jean M. Tullie, BS, Psychiatry and Behavioral Science, Stanford University, Stanford, CA, Aric Prather, PhD, Kirstin Aschbacher, PhD, Nancy Adler, PhD, Margaret Kemeny, PhD, Owen Wolkowitz, MD, Department of Psychiatry, University of California, San Francisco, San Francisco, CA, Firdaus S. Dhabhar, PhD, Psychiatry and Behavioral Science, Stanford University, Stanford, CA

Abstract 1086

MOOD DISTURBANCE FOLLOWING EXERCISE WITHDRAWAL IS ASSOCIATED WITH GREATER INFLAMMATORY RESPONSES TO STRESS

Romano Endrighi, MSc, Epidemiology & Public Health, Psychobiology, University College London, London, England, United Kingdom, Andrew Steptoe, DPhil, Mark Hamer, PhD, Epidemiology & Public Health, Psychobiology, University College London, London, United Kingdom, England

Abstract 1834

CIRCULATING ADIPOKINE LEVELS ARE INCREASED BY ACUTE STRESS

Dana H. Bovbjerg, PhD, Frank J. Jenkins, PhD, Stephanie R. Land, PhD, Anna L. Marsland, PhD, Yu-Ting Weng, MA, University of Pittsburgh Cancer Institute, University of Pittsburgh, Pittsburgh, PA

**Paper Session: Somatic versus Cognitive
Depressive Symptoms and Cardiac Health Risks**

Conference Room 17-18

Chair: James L. Levenson, MD

Abstract 1112

IMPROVEMENT IN SOMATIC AND COGNITIVE DEPRESSIVE SYMPTOMS AND ITS ASSOCIATION WITH ADVERSE OUTCOME IN THE ENHANCING RECOVERY IN CORONARY HEART DISEASE (ENRICHED) STUDY.

Annelieke M. Roest, MSc, Elisabeth J. Martens, PhD, Johan Denollet, PhD, Medical Psychology, Tilburg University, Tilburg, the Netherlands, Robert M. Carney, PhD, Kenneth E. Freedland, PhD, Department of Psychiatry, Washington University School of Medicine, St. Louis, Missouri, Peter de Jonge, PhD, Department of Psychiatry, University of Groningen, Groningen, the Netherlands

Abstract 1393

DEPRESSIVE SYMPTOM CLUSTERS AS PREDICTORS OF 5-YEAR INCIDENCE OF CORONARY ARTERY CALCIFICATION: THE CARDIA STUDY

Jesse C. Stewart, PhD, Desiree J. Zielke, M.S., Misty A. Hawkins, M.S., Psychology, Indiana University-Purdue University Indianapolis, Indianapolis, IN, David R. Williams, PhD, Society, Human Development, and Health, Harvard University, Boston, MA, MA, Mercedes R. Carnethon, PhD, Preventive Medicine, Northwestern University School of Medicine, Chicago, IL, Sarah S. Knox, PhD, Community Medicine, West Virginia University School of Medicine, Morgantown, WV, Karen A. Matthews, PhD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA

Abstract 1860

IMMUNE CELL BETA-ADRENERGIC SENSITIVITY ASSOCIATED WITH COGNITIVE VERSUS SOMATIC SYMPTOMS OF DEPRESSION

Laura S. Redwine, PhD, Suzi Hong, PhD, Psychiatry, University of California, San Diego, CA, Thomas Rutledge, PhD, Psychology Services, VA San Diego Healthcare System, La Jolla, CA, Paul J. Mills, PhD, Psychiatry, University of California, San Diego, CA

Abstract 1665

SOMATIC VERSUS COGNITIVE SYMPTOMS OF DEPRESSION ASSOCIATED WITH SPECIFIC PRO-INFLAMMATORY MARKERS IN HEART FAILURE PATIENTS

Laura S. Redwine, PhD, Suzi Hong, PhD, Psychiatry, University of California, San Diego, CA, Thomas Rutledge, PhD, Psychology Services, VA San Diego Healthcare System, La Jolla, CA, Joel Dimsdale, MD, Psychiatry, Greenberg Barry, MD, Medicine, Paul J. Mills, PhD, Psychiatry, University of California, San Diego, CA

Paper Session: Mindfulness, Meditation, and Health

Salon C

Chair: Joan Broderick, PhD

Abstract 1230

A RANDOMIZED CONTROLLED TRIAL OF MINDFULNESS-BASED STRESS REDUCTION FOR PARKINSON'S DISEASE PATIENTS AND THEIR PARTNERS

Sandra E. Sephton, PhD, Samuel J. Dreeben, B.A., Megan E. Jablonski, M.A., Department of Psychological and Brain Sciences, Irene Litvan, MD, David Houghton, MD, Department of Neurology, University of Louisville, Louisville, KY, Janine Giese-Davis, PhD, Department of Oncology, University of Calgary, Calgary, Alberta, Canada, Estate Sokhadze, PhD, Department of Psychiatry, Rafael Fernandez-Botran, MD, Department of Pathology, Emily A. Eismann, M.A., Scott M. Hanneman, B.S., Paul Salmon, PhD, Department of Psychological and Brain Sciences, University of Louisville, Louisville, KY

Abstract 1639

EFFECTS OF A MEDITATION INTERVENTION ON ENDOTHELIAL FUNCTION IN AFRICAN AMERICANS WITH METABOLIC SYNDROME: A RANDOMIZED TRIAL

Kofi A. Kondwani, PHD, National Center for Primary Care, Morehouse School of Medicine, Atlanta, Georgia, Mary E. Kelley, PHD, Biostatistics, Emory University, Atlanta, Georgia, Yuan X. Meng, MD/PHD, Family Medicine, Morehouse School of Medicine, East Point, Georgia, Arshed A. Quyyumi, MD, Medicine, Emory University School of Medicine, Atlanta, Georgia, Gary H. Gibbons, MD/PHD, Physiology, Morehouse School of Medicine, Atlanta, Georgia, Viola Vaccarino, MD/PHD, Epidemiology, Emory University, School of Public Health, Atlanta, Georgia

Abstract 1128

EFFECTS OF MINDFULNESS-BASED STRESS REDUCTION ON PSYCHOPHYSIOLOGICAL LABORATORY STRESS RESPONSES: A RANDOMIZED CONTROLLED TRIAL

Ivan Nyklicek, PhD, Paula M.C. Mommersteeg, PhD, Sylvia van Beugen, M.Sc., Center of Research on Psychology in Somatic diseases, Tilburg University, Tilburg, Netherlands, Christian Ramakers, PhD, Department of Clinical Chemistry, St. Elisabeth Hospital, Tilburg, Netherlands, Geert van Boxtel, PhD, Center of Research on Psychology in Somatic diseases, Tilburg University, Tilburg, Netherlands

Abstract 1300

WHICH ATTRIBUTES OF MINDFULNESS ARE GOOD FOR HEALTH? RELATIONSHIPS BETWEEN FACETS OF MINDFULNESS, BLOOD PRESSURE AND INTERLEUKIN-6

Lianne M. Tomfohr, MS, Psychology, SDSU/UCSD Joint Doctoral Program Clinical Psychology, La Jolla, CA, Paul J. Mills, PhD, Meredith Pung, PhD, Joel E. Dimsdale, MD, Kate M. Edwards, PhD, Psychiatry, University of California, San Diego, La Jolla, CA

**Symposium 1426: Race-Related Health Disparities:
Paradoxical Findings in Latino Health**

Salon D

Chair: Linda Gallo, PhD

Discussant: Helen Hazuda, PhD

Individual Abstract Number: 1428

THE HISPANIC MORTALITY PARADOX: RESOLVING DISCREPENCIES THROUGH A QUANTITATIVE ANALYSIS OF THE PROSPECTIVE LITERATURE

John M. Ruiz, PhD, Psychology, University of North Texas, Denton, Texas, Patrick R. Steffen, PhD, Psychology, Timothy B. Smith, PhD, Counseling Psychology and Special Education, Brigham Young University, Provo, Utah

Individual Abstract Number: 1603

ETHNIC DIFFERENCES BETWEEN NON-HISPANIC WHITES AND HISPANICS OF MEXICAN DESCENT: THE ROLE OF ACCULTURATION ON SUBJECTIVE SLEEP QUALITY

Lianne M. Tomfohr, MS, SDSU/UCSD Joint Doctoral Program Clinical Psychology, La Jolla, CA, Joel E. Dimsdale, MD, Psychiatry, University of California San Diego, La Jolla, CA, Lawrence Palinkas, PhD, Sociology, University of Southern California, Los Angeles, CA, Jose S. Loreda, MD, Medicine, University of California San Diego, 201A, San Diego

Individual Abstract Number: 1443

SOCIOECONOMIC STATUS AND CARDIOMETABOLIC RISK IN MIDDLE-AGED MEXICAN-AMERICAN WOMEN

Addie L. Fortmann, MS, JDP in Clinical Psychology, Linda C. Gallo, PhD, JDP Clinical Psychology, Karla Espinosa de los Monteros, M.S., Smriti Shivpuri, M.S., JDP in Clinical Psychology, SDSU/UCSD, San Diego, CA, Paul J. Mills, PhD, Psychiatry, University of California, San Diego, La Jolla, CA, Karen A. Matthews, PhD, Psychiatry, Epidemiology, and Psychology, University of Pittsburgh School of Medicine, Pittsburgh, PA

Individual Abstract Number: 1595

NEIGHBORHOOD ETHNIC COMPOSITION, SOCIAL COHESION, AND LATINO/WHITE DIFFERENCES IN HEALTH AND WELL-BEING

Rebeca Rios, PhD, Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD, Alex J. Zautra, PhD, Mary C. Davis, PhD, Psychology, Arizona State Univ, Tempe, AZ

2:00 - 2:15 pm

BREAK

2:15 - 3:30 pm

CONCURRENT SESSIONS



Kenneth E. Freedland, PhD



Johan Denollet, PhD



Peter A. Shapiro, MD

Invited Symposium: Reducing Risk of CHD: Targeting Stress, Depression, and Type D Personality

Conference Room 1-4

Chair: *Simon Bacon, PhD*Speakers: *Kenneth E. Freedland, PhD; Johan Denollet, PhD; Peter A. Shapiro, MD*

One of the overarching goals of behavioral cardiology is to determine whether treatment of psychosocial risk factors can improve medical outcomes in patients with established heart disease. This symposium focuses on three of the most promising targets of intervention: stress, depression, and Type D personality. Each speaker will focus on one of these factors, briefly reviewing its role in cardiac morbidity and mortality, the interventions that have been tested so far, and promising directions for intervention development. Following the individual presentations, the speakers will discuss the next steps on the path to large, definitive, randomized controlled trials in each area, and some ways in which these three areas of clinical research could be mutually reinforcing.

TARGETING PSYCHOLOGICAL STRESS TO REDUCE THE RISKS OF CARDIOVASCULAR MORBIDITY AND MORTALITY IN PATIENTS WITH ESTABLISHED HEART DISEASE

Kenneth E. Freedland, PhD

Several different psychological stressors increase the risk of cardiovascular morbidity and mortality. A variety of different interventions have been tested, but so far, there is only limited evidence that any form of treatment reduces the cardiovascular risks associated with any form of psychological stress. Nevertheless, the existing evidence is promising enough to indicate a growing need for large, multicenter, randomized controlled trials in this area. This presentation will highlight some of the key studies that have been conducted to date, and discuss further research that should be undertaken in order to pave the way for large, definitive RCTs.

CHRONIC PSYCHOLOGICAL DISTRESS AND INTERVENTIONS IN PATIENTS WITH HEART DISEASE: OBSERVATIONS FROM RESEARCH ON TYPE D PERSONALITY

Johan Denollet, PhD

While stress refers to an episodic risk marker and patients may go in and out of depressive episodes, the Type D construct highlights the more chronic nature of psychological distress. Type D individuals frequently experience negative emotions and tend to be socially inhibited. Type D personality has been associated with adverse cardiovascular outcomes, independent from stress and depression. Hence, in addition to treating stress or depression, it may be important to focus on more chronic or covert forms of distress. Future research needs to investigate whether cardiac patients may benefit from a more personalized approach to behavioral intervention.

INTERVENTIONS FOR DEPRESSION AND EFFECTS ON CARDIOVASCULAR OUTCOME IN PATIENTS WITH HEART DISEASE: LEARNING FROM HISTORY

Peter A. Shapiro, MD

Improving cardiovascular outcome by interventions targeting depression in heart disease patients has become a holy grail of psychosomatic medicine. While there can be no denying the vast accumulated epidemiological evidence showing an association of depression with adverse health outcomes in heart disease, it is equally hard to deny the failure of the first generation of depression intervention trials to prove a beneficial effect on these outcomes. This presentation will attempt to highlight what has been learned from trials so far, including key questions and conceptual issues that need to be addressed in planning future intervention studies.

Paper Session: Psychoneuroendocrinology

Conference Room 17-18

Chair: *Sally Dickerson, PhD*

Abstract 1427

ASSOCIATION OF ATTACHMENT STYLE, CORTISOL AWAKENING RESPONSE (CAR), AND CORTISOL PROFILE ACROSS THE DAY IN HEALTHY ADULTS

Tara Kidd, PhD, Mark Hamer, PhD, Andrew Steptoe, DSc, Department of Epidemiology and Public Health, University College London, London, UK

Abstract 1760

ANTICIPATORY FEAR AND ANGER EXPRESSED DURING A STRESSOR, RATHER THAN RETROSPECTIVE SELF-REPORTED EMOTIONS, PREDICT CORTISOL STRESS RESPONSES

Sarah B. Lupis, BA, Thomas E. Arnott, Michelle H. Lerman, Jutta M. Wolf, PhD, Psychology, Brandeis University, Waltham, MA

Abstract 1640

MOMENTARY ASSOCIATION OF MOOD AND CORTISOL IN PREGNANCY: A FETAL PROGRAMMING PROOF OF CONCEPT

Gerald F. Giesbrecht, PhD, Bonnie J. Kaplan, PhD, Pediatrics, Tavis S. Campbell, PhD, Psychology, University of Calgary, Calgary, AB, Canada, Nicole Letourneau, PhD, Nursing, University of New Brunswick, Fredericton, NB, Canada

Abstract 1394

SAMPLING PRECISION OF THE AWAKENING SALIVA SAMPLE USING ACCELEROMETRY IN CHILDREN AND ADOLESCENTS

Sivan Rotenberg, MA, Psychology, Concordia University, Montreal, Québec, Canada, Jennifer J. McGrath, PhD, MPH, Psychology, Concordia University, Montreal, Quebec, Canada

Paper Session: Gender Differences and Health

Salon C

Chair: Michele Okun, PhD

Abstract 1309

SEX DIFFERENCES IN THE RELATIONSHIP BETWEEN MOOD DISORDERS AND C-REACTIVE PROTEIN

Jennifer L. Gordon, BSc, Psychology, McGill University, Montreal, Quebec, Canada, Kim L. Lavoie, PhD, Roxanne Pelletier, BSc, André Arseneault, MD, Montreal Behavioural Medicine Centre, Montreal Heart Institute, Montreal, Quebec, Canada, Blaine Ditto, PhD, Psychology, McGill University, Montreal, Quebec, Canada, Simon L. Bacon, PhD, Montreal Behavioural Medicine Centre, Montreal Heart Institute, Montreal, Quebec, Canada

Abstract 1158

GENDER DIFFERENCES IN FACTORS ACCOUNTING FOR THE ASSOCIATION BETWEEN DEPRESSIVE MOOD AND PREMATURE MORTALITY: A 12-YEAR FOLLOW-UP POPULATION-BASED STUDY

Cédric Lemogne, MD, PhD, C-L Psychiatry, European Georges Pompidou Hospital, Paris, Isabelle NIEDHAMMER, PhD, INSERM U1018, Villejuif, Myriam KHLAT, PhD, Institut National d'Études Démographiques, Paris, Jean-François RAVAUD, MD, PhD, INSERM U988, CERMES3, IFRH, Villejuif, Paris, GUILLEMIN, MD, PhD, EA 4360 Apemac, Universités Nancy, Paris Descartes & Paul Verlaine, Nancy, France, Silla M. CONSOLI, MD, PhD, Faculté de médecine, Université Paris Descartes, Paris, Philippe FOSSATI, MD, PhD, Psychiatry, Pitié-Salpêtrière Hospital, Paris, Neerkasen CHAU, PhD, Paris Sud University, Paris, France

Abstract 1673

IMPACT OF MOMENTARY ASSESSED DEPRESSIVE SYMPTOMS ON CIRCADIAN HEART RATE VARIABILITY: A FOCUS ON GENDER DIFFERENCES

Bart Verkuil, PhD, Jos F. Brosschot, PhD, Institute of Psychology, Leiden University, Leiden, The Netherlands, Andrea H. Marques, Esther M. Sternberg, MD, National Institute of Mental Health, National Institute of Health, Rockville, Maryland, Julian F. Thayer, PhD, Department of Psychology, The Ohio State University, Columbus, Ohio

Abstract 1437

COMORBIDITY OF ANXIETY AND NEUROPSYCHIATRIC DISORDERS

Tuong-Vi Nguyen, MD, Psychiatry, McGill University, Montreal, QC, Canada, Sok S. Lee, BA, Medicine, Boston University School of Medicine, Boston, California, Nancy C. Low, FRCP, Psychiatry, McGill University, Montreal, QC, Canada

**Symposium 1130: Motivational Interviewing:
The Evidence and the Promise**

Salon D

Chair: Steven Cole, MD

Individual Abstract Number: 1386

MOTIVATIONAL INTERVIEWING (MI): DEFINITIONS, DEMONSTRATIONS, EVIDENCE, PROMISE

Steven Cole, MD, Psychiatry, Stony Brook University Medical Center, Stony Brook, NY

Individual Abstract Number: 1134

MOTIVATIONAL INTERVIEWING FOR DRUG ABUSE: RESEARCH AND PROMISE

Clive J. Tobutt, MSc, Addictions, Institute of Psychiatry, King's College London, Univ, London, London Borough of Southwark, GREAT BRITAIN

Individual Abstract Number: 1133

MOTIVATIONAL INTERVIEWING IN THE TREATMENT OF PEDIATRIC OBESITY: RESEARCH AND PROMISE

Sebastian G. Kaplan, PhD, Psychiatry and Behavioral Medicine, Wake Forest University School of Medicine, Winston-Salem, NC

Individual Abstract Number: 1132

MOTIVATIONAL INTERVIEWING ACROSS CULTURES: EVIDENCE FROM SINGAPORE AND THE US

Fiona McMaster, MPH, Health Behavior and Health Education, University of Michigan, Ann Arbor, MI

3:30 - 3:45 pm

BREAK

3:45 - 5:00 pm

PLENARY SESSION

Salon E



Karina Davidson, PhD

Tough Lessons Learned from Cardiovascular Trials: Implications for Psychosomatic Medicine

Chair: Craig Ewart, PhD

Presenter: Karina Davidson, PhD

This master lecture will review some of the spectacular successes, as well as impressive failures and difficult missteps of the Cardiovascular field. A range of topics pertinent to Psychosomatic Medicine will be covered, such as finding the right dose before embarking on a trial; imagining all the ways a risk marker may not be causal; inferring benefit from a series of trials, rather than from a definitive trial; and setting up systems to ensure that all practitioners (and patients) know what works in your field, and what doesn't. Cardiologists use mnemonics and stories to remember each of the successes and failures in their field, and I will endeavor to provide analogous tools to you for our field. (Can you spell 'homocysteine'?) Learning by observation involves four separate processes: attention, retention, production and motivation. If Psychosomatic Medicine as a field pays attention to the lessons learned by Cardiology, encodes and retains this information, produces studies and trials informed by these costly lessons, and is motivated and has reasons to do so, we may produce better science, better education, and better public health outcomes as a result. The alternative is that we are only capable of learning from our own mistakes, and must reinvent each tough lesson to truly learn.

5:00 - 6:15 pm

POSTER SESSION 1

Salon A/B/F

26) Abstract 1184

THE NUMBER OF PIECES A PORTION IS DIVIDED INTO IMPACTS PERCEIVED CONSUMPTION

Melissa J. Zielinski, Psychology, The College of New Jersey, Ewing, NJ, Charlene Blades, Psychology, City College of CUNY, New York, New York, Jenna L. Scisco, M.S., Psychology, Adam W. Hoover, PhD, Electrical and Computer Engineering, Eric R. Muth, PhD, Psychology, Clemson University, Clemson, South Carolina

27) Abstract 1110

UNPACKING THE PSYCHOSOCIAL CONTEXT: INTERRELATED PATHWAYS

Kimberly M. Henderson, BA, Cari J. Clark, ScD, Medicine, University of Minnesota, Medical School, Minneapolis, MN, Melanie M. Wall, PhD, Psychiatry-Biostatistics, Columbia University, Mailman School of Public Health, New York, NY, Denis A. Evans, MD, Carlos F. Mendes de Leon, PhD, Internal Medicine, Rush University, Rush Medical Center, Chicago, IL, Susan A. Everson-Rose, PhD, Medicine, University of Minnesota, Medical School, Minneapolis, MN

28) Abstract 1773

RACISM AND COPING: FROM MECHANISMS TO INTERVENTION

Elizabeth Brondolo, PhD, Melissa Pencille, BS, Madeline Libretti, BS, Psychology, St John's University, Queens, New York

29) Abstract 1093

CRYING WITHOUT TEARS: EMOTION PROCESSING AND REGULATION IN PATIENTS WITH PRIMARY SJ&OUML;GREN&RSQUO;S SYNDROME

Ninke Van Leeuwen, MSc, Ercolie R. Bossema, PhD, Department of Clinical and Health Psychology, Utrecht University, Utrecht, The Netherlands, Henriët Van Middendorp, PhD, Aike A. Kruize, PhD, Department of Rheumatology and Clinical Immunology, University Medical Center Utrecht, Utrecht, The Netherlands, Johannes W. J. Bijlsma, PhD, Department of Rheumatology and Clinical Immunology, University Medical Center, Utrecht, Utrecht, The Netherlands, Rinie Geenen, PhD, Department of Clinical and Health Psychology, Utrecht University, Utrecht, The Netherlands

30) Abstract 1779

MATERNAL EDUCATION PREDICTS SLEEP EFFICIENCY IN COLLEGE STUDENTS IN A GENDER-SPECIFIC MANNER

Stephen J. Gray, Daniel Harris, BA, Kristen Nichols, Julius Johnson, Nicolas Rohleder, PhD, Jutta M. Wolf, PhD, Psychology, Brandeis University, Waltham, Massachusetts

31) Abstract 1223

LOWER SUBJECTIVE SOCIAL STATUS AND HIGHER PLASMA INTERLEUKIN-6 IN FEMALE COMPARED TO MALE COLLEGE STUDENTS

June A. He, Jutta M. Wolf, PhD, Rachel H. Ellman, Leah Robsman, Jason Wong, Nicolas Rohleder, PhD, Psychology, Brandeis University, Waltham, MA

32) Abstract 1087

PHYSIOLOGICAL RESPONSES TO STRESSOR RECALL: THE MODERATING ROLES OF SOCIAL-EVALUATIVE THREAT AND INDIVIDUAL DIFFERENCES IN RUMINATION

Peggy M. Zoccola, PhD, Psychology, Ohio University, Athens, OH, Sally S. Dickerson, PhD, Suman Lam, MA, Psychology & Social Behavior, University of California, Irvine, Irvine, CA

33) Abstract 1707

TO GIVE A PRESENTATION AS REAL-LIFE STRESS IN SCHOOL

Jana Strahler, PhD, Psychology, TU Dresden, Dresden, Germany

34) Abstract 1839

CARDIOVASCULAR RESPONSES TO STRESS ARE DIMINISHED DURING NICOTINE WITHDRAWAL IN CHRONIC SMOKERS

Motohiro Nakajima, PHD, Mustafa al'Absi, PHD, Elizabeth Ford, Behavioral Sciences, University of Minnesota Medical School, Duluth, MN, Sharon Allen, MD/PHD, Family Medicine & Community Health, University of Minnesota Medical School, Minneapolis, MN, Lorentz Wittmers, MD/PHD, Physiology & Pharmacology, University of Minnesota Medical School Duluth, Duluth, MN

35) Abstract 1835

SEX DIFFERENCES IN PREDICTORS OF SMOKING RELAPSE: NEGATIVE MOOD, PERCEIVED STRESS, AND MOTIVES FOR SMOKING

Motohiro Nakajima, PHD, Mustafa al'Absi, PHD, Behavioral Sciences, University of Minnesota Medical School, Duluth, MN

36) Abstract 1600

LIVING OUR SOCIAL LIVES ONLINE: VIRTUAL OSTRACISM

Kelly B. Filipkowski, PhD, Psychology, Misericordia University, Dallas, PA, Joshua M. Smyth, PhD, Psychology, Syracuse University, Syracuse, NY

37) Abstract 1802

RELATIVE STATUS, PARTNER DOMINANCE, DEPRESSION AND SELF-RATED HEALTH

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

38) Abstract 1629

VALID AND COST-EFFECTIVE BP MEASUREMENT VIA THE TWO-METHOD MEASUREMENT DESIGN

Matthew J. Zawadzki, MS, Psychology, The Pennsylvania State University, University Park, PA, John W. Graham, PhD, William Gerin, PhD, Biobehavioral Health, The Pennsylvania State University, University Park, PA

39) Abstract 1082

A BEAN COUNTER'S GUIDE TO CORTISOL ASSAY: THE ROLE OF ASSAY PRECISION

Gerald F. Giesbrecht, PhD, Pediatrics, Misha Eliasziw, PhD, Community Health Sciences, Tavis S. Campbell, PhD, Psychology, Bonnie J. Kaplan, PhD, Pediatrics, Univ of Calgary, Calgary, AB, Canada

40) Abstract 1216

SLEEP LINKED TO DAYTIME IL-6 AND VEGF LEVELS IN WOMEN WITH OVARIAN CANCER

Lauren Clevenger, BA, Psychology, Koenraad DeGeest, MD, Obstetrics and Gynecology, University of Iowa, Iowa City, IA, David Bender, MD, Obstetrics and Gynecology, University of Iowa, Iowa City, Iowa, Michael Goodheart, MD, Obstetrics and Gynecology, University of Iowa, Iowa City, IA, Frank Penedo, PhD, Psychology, University of Miami, Coral Gables, FL, Desire Christensen, BS, Epidemiology, University of Iowa, Iowa City, IA, Luis Mendez, MD, Obstetrics and Gynecology, Florida International University College of Medicine, Coral Gables, FL, Anil Sood, MD, Gynecologic Oncology and Tumor Biology, University of Texas MD Anderson Cancer Center, Houston, TX, Susan Lutgendorf, PhD, Psychology, Obstetrics and Gynecology, Urology, University of Iowa, Iowa City, IA

41) Abstract 1289

CANCER-SPECIFIC DISTRESS: NO ASSOCIATION WITH SERUM CYTOKINES IN PRE-SURGICAL BREAST CANCER PATIENTS

Whitney N. Gesler, Psychological and Brain Sciences, University of Louisville, Louisville, KY, Firdaus S. Dhabhar, PhD, Psychiatry & Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, Anees B. Chagpar, MD, Oncology, Yale University, New Haven, CT, Elizabeth Lush, MS, Psychological and Brain Sciences, University of Louisville, Louisville, KY, Eric A. Dedert, PhD, Traumatic Stress and Health Laboratory, Duke University Medical Centers, Durham, NC, Meagan B. Daup, MA, Psychological and Brain Sciences, University of Louisville, Louisville, KY, David Spiegel, MD, Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, Ehab A. Dayyat, MD, School of Medicine, University of Louisville, Louisville, KY, Jean M. Tillie, BS, Psychiatry and Behavioral Sciences, Stanford Cancer Center; Stanford School of Medicine, Stanford, CA, Kelly M. McMasters, MD/PhD, Surgical Oncology, University of Louisville School of Medicine, Louisville, KY, Sandra E. Saphon, PhD, Psychological and Brain Sciences, University of Louisville, Louisville, KY

42) Abstract 1588

PSYCHOLOGICAL-EXISTENTIAL WELL-BEING AND IMMUNE FUNCTION IN ADVANCED CANCER PATIENTS

Elsa Lau, BA Honors, Psychology, Concordia University, Montreal, QC, Canada, Bruno Gagnon, MD, Msc, Faculty of Medicine, McGill University, Royal Victoria Hospital, Montreal, Quebec, Canada, Sydney B. Miller, PhD, CPsych, Department of Psychology, Concordia University, Montreal, QC, Canada

43) Abstract 1246

MARITAL BIOGRAPHY AND AFFECTION PREDICT TRAJECTORIES OF PHYSICAL WELL-BEING AFTER BREAST CANCER

Karen L. Weihs, MD, Psychiatry and Family Medicine, Melissa A. Curran, PhD, Family Studies and Human Development, University of Arizona, Tucson, AZ, Valerie J. Young, PhD, Communication, Hanover College, Hanover, Indiana, Samuel J. Simmens, PhD, Dept. of Epidemiology and Biostatistics, The George Washington University, Washington, DC

44) Abstract 1618

SOCIAL SUPPORT, TREATMENT-SPECIFIC OPTIMISM AND THE TRAJECTORY OF QUALITY OF LIFE IN METASTATIC RENAL CELL CANCER PATIENTS.

Kathrin Milbury, PhD, Behavioral Science, Nizar M. Tannir, MD, Genitourinary Medical Oncology, Lorenzo Cohen, PhD, Behavioral Science, The University of Texas MD Anderson Cancer Center, Houston, TX

45) Abstract 1156

MEMORY IMPAIRMENT IN MASTOCYTOSIS: PREVALENCE, FEATURES AND RELATIONS TO DEPRESSION

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46) Abstract 1275

RELATIONSHIP OF DEPRESSION AND CONSUMPTION OF MACRONUTRIENTS IN DIABETIC AND NON-DIABETIC INDIVIDUALS

Kate G. Edwards, BA, Charles A. Guarnaccia, PhD, Psychology, University of North Texas, Denton, TX

47) Abstract 1683

MACRONUTRIENTS CONSUMED BY DIABETIC INDIVIDUALS RELATIVE TO RECOMMENDED DAILY INTAKE

Kate G. Edwards, BA, Charles A. Guarnaccia, PhD, Psychology, University of North Texas, Denton, TX

48) Abstract 1200

PROACTIVE REHABILITATION AND TELEPHONE INTERVENTION IN TYPE 2 DIABETES (PARTIAL TRIAL): BACKGROUND AND RATIONALE

Oskar Mittag, ScD, Andrea Doebler, Department of Quality Management and Social Medicine, University Medical Center of Freiburg, Freiburg, Germany, Hartmut Pollmann, MD, Niederrhein Clinic, Bad Neuenahr-Ahrweiler, Germany, Heiner Raspe, PhD, MD, Institute of Social Medicine, University of Luebeck, Luebeck, Germany

49) Abstract 1377

ALEXITHYMIA, EMOTIONAL INTELLIGENCE, AND EMOTIONAL AWARENESS ASSESSED BY MULTIPLE METHODS: RELATIONSHIPS WITH HEALTH

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50) Abstract 1339

ATTITUDES TOWARD SEEKING MEDICAL HELP: ETHNIC DIVERSITY

Terry A. DiLorenzo, PhD, Psychology, Yeshiva University, New York, NY, Edward H. Fischer, PhD, Ellen A. Dornelas, PhD, Preventive Cardiology, Hartford Hospital, Hartford, CT

51) Abstract 1385

EFFECTS OF WRITTEN EMOTIONAL DISCLOSURE INTERVENTIONS IN CAREGIVERS: MODERATING ROLE OF ALEXITHYMIA

Daryl B. O'Connor, PhD, Institute of Psychological Sciences, University of Leeds, Leeds, West Yorkshire, UK, Laura Ashley, PhD, Psychosocial Oncology, St James's Institute of Oncology, Leeds, West Yorkshire, UK, Fiona Jones, PhD, Psychology, University of Bedfordshire, Luton, UK

52) Abstract 1151

SPEAKING OF FOOD AND HEALTH: THE INTERPLAY OF SOCIAL AND INDIVIDUAL FACTORS DETERMINES DIETARY QUALITY

Jane A. Skoyen, M.A., Elaine Blank, B.S., Psychology, Shannon A. Corkery, B.S., Emily A. Butler, PhD, Family Studies and Human Development, University of Arizona, Tucson, AZ

53) Abstract 1844

EXECUTIVE ATTENTION MODERATES THE ASSOCIATION BETWEEN TRAIT WORRY AND SLEEP DISRUPTION

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

54) Abstract 1444

CORTISOL STRESS REACTIVITY: PROGRAMMING BY ADVERSE LIFE EVENTS IN WOMEN AND NOT IN MEN

Kristen H. Sorocco, PhD, DWR Department of Geriatric Medicine, Noha H. Farag, MD/PhD, Epidemiology and Biostatistics, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma, Andrea S. Vincent, PhD, Center for the Study of Human Operator Performance, University of Oklahoma, Norman, Oklahoma, William R. Lovallo, PhD, Behavioral Sciences Laboratories, OKC Veterans Affairs Medical Center, Oklahoma City, Oklahoma

55) Abstract 1308

WHEN IS PHYSICAL ACTIVITY MOST PROTECTIVE OF EXECUTIVE FUNCTIONING IN OLDER ADULTS?

Daniel R. Evans, M.S., Suzanne C. Segerstrom, PhD, Psychology, University of Kentucky, Lexington, KY

56) Abstract 1358

THE INFLUENCE OF PSYCHOSOCIAL STRESS ON THE PHAGOCYtic ACTIVITY OF HUMAN MACROPHAGES ASSESSED BY A NOVEL METHOD

Ulrike Kuebler, M.Sc., Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Switzerland, Miho Sakai, Nanotechnology Group, ETH Zurich, Zurich, Switzerland, Petra H. Wirtz, Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Switzerland, Andreas Stemmer, Professor, Nanotechnology Group, ETH Zurich, Zurich, Switzerland, Ulrike Ehlert, Professor, Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Switzerland

57) Abstract 1269

ENGAGING IN MEANING MAKING DURING EXPRESSIVE WRITING: WHEN MEANING IS BENEFICIAL

Adriel Boals, PhD, Psychology, University of North Texas, Denton, TX

58) Abstract 1313

SELF REGULATION AND LIVER FUNCTION: EXPANDING AN ECOLOGICAL MODEL

Tory A. Eisenlohr-Moul, M.S., Mark Fillmore, PhD, Suzanne C. Segerstrom, PhD, Psychology, University of Kentucky, Lexington, KY

59) Abstract 1687

EVENING CHRONOTYPE IS ASSOCIATED WITH POOR SLEEP QUALITY AND MENTAL HEALTH STATUS IN YOUNG ADULTS

Stephen Martinkovich, Nicole Piccirillo, Aubrey Murano, Sarah Conklin, PhD, Neuroscience and Psychology, Allegheny College, Meadville, PA

60) Abstract 1189

PREVALENCE OF FUNCTIONAL SOMATIC SYNDROMES IN AN APPARENTLY HEALTHY POPULATION
Susanne Fischer, M.Sc., Jens Gaab, PhD, Ulrike Ehlert, PhD, Urs M. Nater, PhD, Psychology, University of Zurich, Zurich, Switzerland

61) Abstract 1068

SLEEP DISTURBANCES IN MID-LIFE CAREGIVERS
Samantha J. Leathers, B.S., Mary Amanda Dew, PhD, David J. Kupfer, MD, Martica Hall, PhD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA

62) Abstract 1002

CITALOPRAM INDUCED SUBACUTE CUTANEOUS LUPUS ERYTHEMATOSUS
Susanne Röhrs, PhD, Rupert Conrad, MD, Psychosomatic Medicine and Psychotherapy, University of Bonn, Bonn, Germany

63) Abstract 1609

PSYCHOSOCIAL MECHANISMS OF MINDFULNESS-BASED STRESS REDUCTION: THE ROLE OF PERSEVERATIVE COGNITION
Jeffrey Greeson, PhD, Psychiatry & Behavioral Sciences, Duke University Medical Center, Durham, NC

64) Abstract 1366

THE EFFECTS OF INSTANT MESSAGE EMOTIONAL DISCLOSURE ON HEALTH: MODERATING EFFECTS OF BIG 5 PERSONALITY TRAITS
Deborah A. Valentino, BS, Psychology, Wayne State University, Detroit, Jonathan A. Beyer, PhD, Mental Health Service, VA Ann Arbor Healthcare System, Ann Arbor, Lindsay M. Oberleitner, MA, Jennifer N. Carty, BA, Mark A. Lumley, PhD, Psychology, Wayne State University, Detroit, MI

65) Abstract 1622

FACTOR STRUCTURE OF THE BECK DEPRESSION INVENTORY - SECOND EDITION (BDI-II) IN PATIENTS WITH HEPATITIS C
Alexander L. Patterson, PsyD, Bret Fuller, PhD, David W. Indest, PsyD, Benjamin J. Morasco, PhD, Department of Psychology, Portland VA Medical Center, Portland, Oregon

66) Abstract 1730

FORGIVENESS OF SELF, HETEROSEXIST HARASSMENT, REJECTION, AND DISCRIMINATION, EXPERIENCES IN CLOSE RELATIONSHIPS: CORRELATES OF FATIGUE/ENERGY IN LESBIANS AND GAY MEN
Jordan B. Willingham, B.A. in progress, Psychology, Chwee-Lye Chng, PhD Health Promotion, Department of Kinesiology, University of North Texas, Denton, TX, Mandy Logan, B.A., Psychology, University of North Texas, Denton, T.X., Mark Vosvick, PhD Psychology, University of North Texas, Denton, TX

67) Abstract 1398

FRUSTRATING STRESS AGGRAVATES DYSPEPSIA SYMPTOM AND GASTRIC FUNCTION IN MALE VOLUNTEERS
Hiroshi Kaneko, MD, PhD, Masahiro Matsunaga, PhD, Neurology (Psychosomatic Medicine), Fujita Health University, Nagoya, Aichi, Japan, Akira Iida, MD, PhD, Yasushi Funaki, MD, PhD, Masashi Yoneda, MD, PhD, Kunio Kasugai, MD, PhD, Gastroenterology, Aichi Medical University, Nagakute, Aichi, Japan

68) Abstract 1714

MOOD AND SYMPTOM RESPONSE TO A LABORATORY STRESS IN PATIENTS DIAGNOSED WITH INFLAMMATORY BOWEL DISEASE AND IRRITABLE BOWEL SYNDROME
Leighann Litcher-Kelly, PhD, Psychiatry and Behavioral Science, Genna Hymowitz, MA, Psychology, Stony Brook University, Stony Brook, NY

69) Abstract 1762

SPIRITUALITY, STIGMA, STRESS AND ANGER: CORRELATES OF WELLBEING IN AN LGB SAMPLE
Megan M. Purser, M.A., Mark Vosvick, PhD, Psychology, University of North Texas, Denton, TX

70) Abstract 1830

DAYTIME PHYSICAL ACTIVITY IS ASSOCIATED WITH NOCTURNAL BLOOD PRESSURE DIPPING: THE PITTSBURGH HEALTHY HEART PROJECT
Jeanette M. Garcia, MS, Thomas W. Kamarck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

71) Abstract 1306

EDUCATIONAL ATTAINMENT IS POSITIVELY ASSOCIATED WITH TELOMERE LENGTH, A MARKER OF CELLULAR AGE

Judith E. Carroll, PhD, Cousins Center for Psychoneuroimmunology, University of California Los Angeles, Los Angeles, CA, Anna L. Marsland, PhD, R.N., Psychology, Robert E. Ferrell, PhD, Human Genetics, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

72) Abstract 1855

ADHERENCE TO DEVICE-GUIDED BREATHING IN AN RCT

Lynn P. Clemow, PhD, Medicine, Columbia University, New York, NY, Beny Gavish, PhD, Intercure, Ltd., Neve Ilan, Israel, Beatrix R. Hamm, MD, PhD., Family Medicine, UMDNJ - Robert Wood Johnson Medical School, New Brunswick, NJ

73) Abstract 1141

DOES ATTACHMENT INSECURITY CONTRIBUTE TO SOMATIC SYMPTOMS BY INCREASING THE FREQUENCY OF STRESSFUL LIFE EVENTS?

Robert G. Maunder, MD, William J. Lancee, PhD, Jonathan J. Hunter, MD, Psychiatry, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada

74) Abstract 1007

IMPACT OF MIND-BODY TRAINING ON EXERCISE AND BLOOD PRESSURE IN YOUTH

Vernon A. Barnes, PhD, Pediatrics, Maribeth H. Johnson, MS, Biostatistics, Venkataramana Pradeep Shenbagarajan, MBBS MPH, Pediatrics, Medical College of Georgia, Augusta, GA

75) Abstract 1380

PERCEIVED STRESS, SELF-BLAME, AND RESILIENCY: CORRELATES OF DEPRESSION IN THE LGB COMMUNITY

Cassie Jensen, Mark Vosvick, PhD, Kyle Deaton, BA, Psychology, University of North Texas, Denton, TX

76) Abstract 1059

POTENTIAL ROLE OF BDNF IN THE OMEGA-3 FATTY ACID SUPPLEMENTATION TO PREVENT POSTTRAUMATIC DISTRESS

Yutaka Matsuoka, MD, PhD, Daisuke Nishi, MD, PhD, Psychiatry, National Disaster Medical Center, Tokyo, Japan, Naohiro Yonemoto, MPH, Epidemiology and Biostatistics, National Center of Neurology and Psychiatry, Tokyo, Japan, Kei Hamazaki, MD, PhD, Public Health, University of Toyama, Toyama, Japan, Kenta Matsumura, PhD, Adult Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan, Tomohito Hamazaki, MD, PhD, Clinical Science, Institute of Natural Medicine, University of Toyama, Toyama, Japan, Kenji Hashimoto, Clinical Neuroscience, Chiba University, Chiba, Japan

77) Abstract 1319

SEROTONIN DEFICIENCY AND STRESS: NEGATIVE CORRELATIONS BETWEEN URINARY 5-HIAA EXCRETION RATE AND SCORES ON STANDARDIZED MEASURES OF ANXIETY, DEPRESSION, AGGRESSION, AND IMPULSIVENESS

Kenneth G. Walton, PhD, Center for Natural Medicine and Prevention, Maharishi University Research Institute, Fairfield, Iowa

78) Abstract 1314

PREDICTORS OF STRESS AND HEALTH IN URBAN FIREFIGHTERS

Laurie E. Steffen, BA, Erin M. Tooley, MS, J. Alexis Ortiz, MS, Jennifer F. Bernard, MS, Bruce W. Smith, PhD, Psychology, University of New Mexico, Albuquerque, NM

79) Abstract 1701

HEART RATE VARIABILITY, MOOD AND CRAVING INTENSITY IN ALCOHOL DEPENDENT SUBJECTS DURING EARLY ABSTINENCE IN RESIDENTIAL TREATMENT

Magdalena Romanowicz, MD, John E. Schmidt, PhD, Kriste A. Lewis, Terry D. Schneckloth, MD, Daniel K. Hall-Flavin, MD, Larissa L. Loukianova, MD, PhD, David Mrazek, MD, Victor M. Karpyak, MD, PhD, Psychiatry and Psychology, Mayo Clinic, Rochester, MN

80) Abstract 1436

META-AWARENESS AND STRESS REGULATION: OVERESTIMATION OF ATTENTIONAL CONTROL ABILITIES PREDICTS POORER BLOOD PRESSURE RECOVERY DURING STRESS

Holly K. Rau, MS, Paula G. Williams, PhD, Matt Cribbet, M.S., Heather Gunn, M.S., Katie Yant, B.S., Psychology, University of Utah, Salt Lake City, Utah

81) Abstract 1073

CAREGIVERS MAY INFLUENCE ADHERENCE TO ANTIHYPERTENSIVE MEDICATIONS IN COPD

Ranak B. Trivedi, PhD, Health Services, Chris L. Bryson, MD, Medicine, University of Washington, Seattle, WA, Edmunds M. Udris, MPH, HSR&D Center of Excellence, VA Puget Sound Health Care System, Seattle, WA, David H. Au, MD, Pulmonology, University of Washington, Seattle, WA

82) Abstract 1751

DEPRESSION AND LONELINESS: CORRELATES OF POSITIVE STATES OF MIND IN COLLEGE STUDENTS.

Danielle R. Tarver, BA in progress, Psychology, University of North Texas, Flower Mound, Texas, Chwee-Lye Chng, PhD, Kinesiology/Health, Jordan Willingham, BA in progress, Mark Vosvick, PhD, Psychology, University of North Texas, Denton, Tx

83) Abstract 1402

RUMINATION PARTLY MEDIATES THE RELATIONSHIP OF RACISM TO DEPRESSIVE SYMPTOMS

Jahanara Ullah, M.A., Elizabeth Brondolo, PhD, William Chaplin, PhD, Psychology, St. John's University, Jamaica, NY

84) Abstract 1669

OPTIMISM, RESILIENCE, AND COPING ON SYMPTOMS OF DEPRESSION AND SALIVARY CORTISOL STRESS RESPONSE IN A SAMPLE OF PREGNANT WOMEN

Ronald E. Freche, BA, Guido G. Urizar, Jr., PhD, Psychology, California State University, Long Beach, Long Beach, CA, Ilona S. Yim, PhD, Psychology, University of California, Irvine, Irvine, CA

85) Abstract 1601

MINDFULNESS BASED STRESS REDUCTION (MBSR) IN THE TREATMENT OF IRAQ COMBAT-RELATED PTSD

J Douglas Bremner, MD, Psychiatry and Radiology, Nadeem Afzal, MD, Psychiatry, Emory University School of Medicine, Atlanta, GA, Viola Vaccarino, MD, PhD, Epidemiology, School of Public Health, Atlanta, GA, James Carmody, PhD, Department of Medicine, University of Massachusetts School of Medicine, Worcester, MA, Sandy DiVitalo, MS, Psychiatry, Emory University School of Medicine, Atlanta, GA

86) Abstract 1654

CORTISOL REACTIVITY TO ACUTE STRESS IN COMORBID DEPRESSION AND ANXIETY

Cynthia A. Unger, Kimberly Dienes, PhD, Psychology, Roosevelt University, Chicago, IL

87) Abstract 1741

PAIN-RELATED FEAR IMPACTS MOVEMENT IN THE CONTEXT OF EXPERIMENTALLY INDUCED PAIN

Zina Trost, PhD, Psychology, McGill University, Montreal, Quebec, Canada, Christopher R. France, PhD, Psychology, James S. Thomas, PhD, School of Physical Therapy, Ohio University, Athens, OH

88) Abstract 1169

DIGITAL COACHING FOR CHRONIC PAIN: EFFECTS ON PAIN SEVERITY, PSYCHOLOGICAL HEALTH, AND FUNCTIONING

Dana C. Nevedal, M.A., Psychology, Wayne State University, Detroit, MI, Steven Schwartz, PhD, Behavioral Science and Data Analytics, HealthMedia, Inc., Ann Arbor, Michigan, Chun Wang, M.S., Behavioral Science & Data Analytics, HealthMedia, Inc., Ann Arbor, Michigan, Lindsay Sander-Oberleitner, M.A., Psychology, Wayne State University, Detroit, MI, Eli W. Carter, B.S., Behavioral Sciences and Data Analytics, HealthMedia Inc., Ann Arbor, MI

89) Abstract 1348

THE SHORT-TERM IMPACT OF WEB-BASED WORKSITE HEALTH PROMOTION PROGRAMS ON EMPLOYEE PRODUCTIVITY

Dana C. Nevedal, MA, Department of Psychology, Wayne State University, Detroit, MI, Jordan Silberman, BA, University of Rochester Medical Center, Rochester, NY, Chun Wang, MS, Danielle L. Giuseffi, MPH, Richard Bedrosian, PhD, Steven M. Schwartz, PhD, HealthMedia, Inc., Ann Arbor, Michigan

90) Abstract 1295

CARDIOVASCULAR FUNCTIONING PRIOR TO AND SHORTLY FOLLOWING SURGERY CAN PREDICT SUBSEQUENT SYMPTOMS OF POST-TRAUMATIC STRESS

Julie K. Cremeans-Smith, PhD, Psychology, Kent State University at Stark, N Canton, OH, Thomas A. Krupko, B.S., Medicine, Northeastern Ohio Universities Colleges of Medicine, Rootstown, OH, Kenneth Greene, MD, Orthopaedics, Cleveland Clinic, Cleveland, OH, Douglas L. Delahanty, PhD, Psychology, Kent State University, Kent, OH

91) Abstract 1812

SOCIAL EXCLUSION AND PAIN AMONG BURN SURVIVORS

Rebeca Rios, PhD, Psychiatry and Behavioral Sciences, Johns Hopkins University, School of Medicine, Baltimore, MD, Shawn T. Mason, PhD, Warrior Resiliency Program, Brooke Army Medical Center, San Antonio, TX, Anna Lavelle, B.A., James Fauerbach, PhD, Psychiatry and Behavioral Sciences, Johns Hopkins University, School of Medicine, Baltimore, MD

92) Abstract 1876

ETHNIC DIFFERENCES IN THE CORRELATES AND PREDICTORS OF PREGNANCY-RELATED ANXIETY

Christine M. Hopkins, PhD, Christine Dunkel Schetter, PhD, Psychology, University of California, Los Angeles, CA, Laura M. Glynn, PhD, Psychiatry & Human Behavior, University of California, Irvine, CA

93) Abstract 1194

TRAUMA HISTORY IS RELATED TO OXYTOCIN AND MATERNAL-INFANT BONDING

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

94) Abstract 1023

PARENTHOOD AND HOST RESISTANCE TO THE COMMON COLD

Rodlescia S. Sneed, MPH, Sheldon Cohen, PhD, Psychology, Carnegie Mellon University, Pittsburgh, PA, William J. Doyle, PhD, Department of Otolaryngology, University of Pittsburgh, School of Medicine, Pittsburgh, PA

95) Abstract 1227

EFFECT OF 3-WEEK CONTINUOUS POSITIVE AIRWAY PRESSURE TREATMENT ON MOOD IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA: A RANDOMIZED PLACEBO-CONTROLLED STUDY

In-Soo Lee, Master, Psychiatry, University of California, San Diego, La Jolla, California, Wayne Bardwell, Ph. D., Sonia Ancoliisrael, Ph. D., Psychiatry, University of California, San Diego, La Jolla, Ca, Jose S. Loreda, Medicine, University of California, San Diego, San Diego, Ca, Joel E. Dimsdale, Psychiatry, University of California, San Diego, La Jolla, Ca

96) Abstract 1608

RACIAL DIFFERENCES IN ASTHMA SYMPTOMS INDUCED BY METHACHOLINE CHALLENGE

Ashton M. Jeter, B.A., Alicia E. Meuret, PhD, Psychology, Southern Methodist University, Dallas, TX, Mark W. Millard, MD, Martha Foster Lung Care Center, Baylor University Medical Center, Dallas, TX, Thomas Ritz, PhD, Psychology, Southern Methodist University, Dallas, TX

97) Abstract 1822

UNFAIR TREATMENT PREDICTS C-REACTIVE PROTEIN (CRP) OVER 7-YEARS: STUDY OF WOMEN'S HEALTH ACROSS THE NATION (SWAN)

Danielle L. Beatty, PhD, Department of Psychology, University of Maryland, Baltimore County, Baltimore, MD, Joyce T. Bromberger, PhD, Charlotte Brown, PhD, Karen A. Matthews, PhD, Department of Psychiatry, University of Pittsburgh, Pittsburgh, PA

98) Abstract 1649

DENIAL AS A POSSIBLE PREDICTOR OF REJECTION EPISODES AMONG HEART TRANSPLANT PATIENTS

Jamie L. Jackson, PhD, Department of Cardiac Surgery, Northwestern University, Chicago, IL, Pratik Patel, MD, Cardiology, Rush University Medical Center, Chicago, IL, Leila Azarbad, PhD, Psychology, North Central College, Naperville, IL, Barbara A. Pisani, D.O., Heart Failure and Cardiac Transplant, Joyce A. Corsica, PhD, Behavioral Sciences, Rush University Medical Center, Chicago, IL

99) Abstract 1327

ASSOCIATION OF ILLNESS BELIEFS WITH PRE-SURGERY DEPRESSION IN CORONARY ARTERY BYPASS GRAFT PATIENTS.

Tara Kidd, PhD, Lydia Poole, MSc, Department of Epidemiology and Public Health, University College London, London, UK, Marjan Jahangiri, MD, Cardiac and Vascular Sciences, St George's Healthcare NHS Trust, London, UK, Andrew Steptoe, DSc, Department of Epidemiology and Public Health, University College London, London, UK

100) Abstract 1371

PSYCHOSOCIAL PREDICTORS OF CORONARY ARTERY CALCIFICATION PROGRESSION IN POST-MENOPAUSAL WOMEN

Carissa A. Low, PhD, Psychiatry, Karen A. Matthews, PhD, Psychiatry, Epidemiology, & Psychology, Lewis H. Kuller, MD, DrPH, Epidemiology, Daniel Edmundowicz, MD, Cardiovascular Institute, University of Pittsburgh, Pittsburgh, PA

101) Abstract 1776

EFFECTS OF ACUTE GLUCOSE ADMINISTRATION ON CARDIOVASCULAR REACTIVITY TO MENTAL CHALLENGE

Stephen J. Synowski, PhD, Cardiology, University of Maryland School of Medicine, Baltimore, Maryland, Willem J. Kop, PhD, Department of Medical Psychology and Neuropsychology, Tilburg University, Tilburg, AB, the Netherlands, Zoe S. Warwick, PhD, Shari S. Waldstein, PhD, Psychology, University of Maryland Baltimore County, Baltimore, Maryland

102) Abstract 1790

THE EFFECT OF DEPRESSIVE SYMPTOMS ON BLOOD MARKERS AND GLUCOSE CONTROL IN ISOLATED CORONARY ARTERY BYPASS SURGERY PATIENTS

Chidima T. Martin, BS, Cardiac Surgery Research, Inova Heart and Vascular Institute, Falls Church, VA, Sari D. Holmes, PhD, Shalin Desai, MD, Lisa M. Martin, PhD, Sharon L. Hunt, MBA, Linda L. Henry, PhD, Cardiac Surgery Research, Niv Ad, MD, Cardiac Surgery, Inova Heart and Vascular Institute, Falls Church, VA, U.S.A

103) Abstract 1181

DAILY STRESSORS AND INFLAMMATION AMONG FAMILY DEMENTIA CAREGIVERS.

Jean-Philippe Gouin, MA, Psychology, The Ohio State University, Chicago, IL, Ronald Glaser, PhD, Immunology, William Malarkey, MD, Endocrinology, The Ohio State University, Columbus, OH, David Beversdorf, MD, Neurology, University of Missouri, Missouri, MO, Janice Kiecolt-Glaser, PhD, Psychiatry, The Ohio State University, Columbus, OH

104) Abstract 1166

EFFECTS OF BASELINE ANXIETY ON DEPRESSION PERSISTENCE IN A STUDY OF HOSPITALIZED CARDIAC PATIENTS

Jeff C. Huffman, MD, Psychiatry, Massachusetts General Hospital, Boston, MA, Chris Celano, MD, Carol A. Mastromauro, MSW, Psychiatry, James L. Januzzi, MD, Medicine/Cardiology, MGH, Boston, MA

105) Abstract 1432

BODY MASS INDEX PREDICTS RISK FOR MENTAL STRESS INDUCED ISCHEMIA IN PATIENTS WITH CORONARY ARTERY DISEASE

Antonio Fernandez, MD, Cardiology, Alpert Medical School of Brown University, Providence, RI, Matthew M. Burg, PhD, Medicine, Yale / Columbia Medical Center, West Haven, CT, Dorothea Collins, ScD, VA Connecticut, West Haven, CT, Hitender Jain, MD, Robert Soufer, MD, Medicine, Yale University School of Medicine, West Haven, CT

106) Abstract 1733

COMBINING PSYCHOSOCIAL DATA TO IMPROVE CARDIOVASCULAR DISEASE RISK FACTOR AND EVENT PREDICTION IN THE NHLBI-SPONSORED WOMEN'S ISCHEMIA SYNDROME EVALUATION (WISE) STUDY

Kerry S. Whittaker, M.S., David S. Krantz, PhD, Medical and Clinical Psychology, Uniformed Services University, Bethesda, MD, Thomas Rutledge, PhD, VA San Diego Healthcare System, VA San Diego Healthcare System, San Diego, CA, B. Delia Johnson, PhD, Department of Epidemiology, University of Pittsburgh, Pittsburgh, PA, Andrew J. Wawrzyniak, PhD, Medical and Clinical Psychology, Uniformed Services University, Bethesda, MD, Vera Bittner, MD, University of Alabama at Birmingham, University of Alabama at Birmingham, Birmingham, Alabama, Jo-Ann Eastwood, PhD, UCLA School of Nursing, UCLA School of Nursing, Los Angeles, CA, Wafia Eteiba, MD, Department of Epidemiology, University of Pittsburgh, Pittsburgh, PA, Carol E. Cornell, PhD, Department of Health Behavior and Health Education, University of Arkansas for Medical Sciences, Little Rock, Arkansas, Carl J. Pepine, MD, Department of Medicine, Division of Cardiology, University of Florida, Gainesville, Florida, Diane A. Vido, MS, Allegheny General Hospital, Pittsburgh Pennsylvania, Allegheny General Hospital, Pittsburgh, Pennsylvania, Eileen J. Handberg, PhD, Department of Medicine, Division of Cardiology, University of Florida, Gainesville, Florida, C. Noel Bairey Merz, MD, Women's Heart Center, Cedars-Sinai Heart Institute, Cedars-Sinai Heart Institute, Los Angeles, CA

107) Abstract 1785

INTERACTION OF ANXIETY DISORDERS AND INSULIN BLOOD LEVELS IN THE MUSCULAR METABOLISM OF CARDIAC OUTPATIENTS

Andre Arsenault, Doctor, Medecine Nuclear, Bernard Meloche, college, Nuclear medecine, Montreal heart Institut, MONTREAL, QC, Canada, Lynn Jolicoeur, college, Nuclear medecine, Montreal heart Institut, MONTREAL, QC, CAN, Kim L. Lavoie, PhD, Dept. of Psychology, University of Quebec at Montreal, MONTREAL, QC, Canada, Simon L. Bacon, PhD, Department of Exercise Science, Concordia University, MONTREAL, QC, Canada

108) Abstract 1793

ANXIETY DISORDERS AND TRIGLYCERIDE/HDL RATIO: AN INTERACTIVE EFFECT ON MUSCULAR HYPEREMIC FLOW RESPONSE

Lynn Jolicoeur, college, Bernard Meloche, college, Andre Arsenault, Doctor, Nuclear medicine, Montreal heart Institut, MONTREAL, QC, Canada, Kim L. Lavoie, PhD, Dept. of Psychology, University of Quebec at Montreal, MONTREAL, QC, Canada, Simon L. Bacon, PhD, Department of Exercise Science, Concordia University, MONTREAL, QC, Canada

109) Abstract 1107

AN AMBIENT VERSUS STANDARD ENVIRONMENT DURING CORONARY ANGIOGRAPHY; DIFFERENTIAL EFFECTS ON MOOD AND PHYSIOLOGICAL PARAMETERS.

Paula M.C. Mommersteeg, PhD, Medical Psychology, Tilburg University, Tilburg, Netherlands, Charlotte R. Gabriël, MD, Marc J.W.T. Scherders, MD, Department of Psychiatry, Catharina Hospital Eindhoven, Eindhoven, Netherlands

110) Abstract 1252

CARDIOVASCULAR ACTIVITIES DURING MENTAL STRESS AMONG FISH EATERS

Kenta Matsumura, PhD, Yutaka Matsuoka, MD/PhD, Adult Mental Health, National Institute of Neurology and Psychiatry, Kodaira, Tokyo, Japan

111) Abstract 1756

TYPE D PERSONALITY AND ENDOTHELIAL FUNCTION IN HEALTHY TAIWANESE

Chia-Ying Weng, Ph. D., Psychology, National Chung-Cheng University, Chia-Yi, Taiwan, Tin-Kwang Lin, MD, Ming Nan Lin, MD, Internal Medicine, The Buddhist Dalin Tzu Chi General Hospital, Chia-Yi, Taiwan, Su-Su Wong, Ph. D., Social Work, Chaoyang University of Technology, Taichung, Taiwan, Tzu-Yi Lee, MSc, Psychology, Ching-Wen Hsu, Msc, Psychology, Szu-Hsuan Lee, MSc, Psychology, National Chung-Cheng University, Chia-Yi, Taiwan, Chin-Lon Lin, Internal Medicine, The Buddhist Dalin Tzu Chi General Hospital, Chia-Yi, Taiwan

112) Abstract 1148

DEPRESSION IS RELATED TO BLUNTED CARDIOVASCULAR REACTIVITY IN YOUNG ADULTS

Ryan C. Brindle, Neuroscience Program, and Psychology Department, Allegheny College, Meadville, PA, Josh Sesek, BS, Drexel University, Philadelphia, PA, Sarah M. Conklin, PhD, Neuroscience Program, and Psychology Department, Allegheny College, Meadville, PA

113) Abstract 1598

SEX DIFFERENCES IN THE RELATION OF HEART RATE REACTIVITY TO COGNITIVE FUNCTION

Alllyssa J. Allen, M.Ed., Megan M. Hosey, Psychology, University of Maryland Baltimore County, Baltimore, MD, Leslie I. Katzel, Medicine, University of Maryland, Baltimore, MD, Shari R. Waldstein, PhD, Psychology, University of Maryland Baltimore County, Baltimore, MD

114) Abstract 1852

DIFFERENTIAL RACE IMPLICATIONS OF BODY SIZE ON CARDIOPROTECTIVE FACTORS

Gaston K. Kapuku, MD, PhD, Pediatrics, Medicine, Harry Davis, MS, Gregory Harshfield, PhD, Pediatrics, Georgia Health Sciences University, Augusta, Georgia

115) Abstract 1638

COPING WITH PERCEIVED RACISM AND DISPOSITIONAL HOSTILITY AS INDICATORS OF CARDIOVASCULAR DISEASE RISK IN AFRICAN AMERICANS

Shellie-Anne Levy-Massey, M.S., Regina C. Sims, PhD, Denee T. Mwendwa, PhD, Mana K. Ali, M.S., Georica Gholson, M.S., Psychology, Clive O. Callender, MD, Medicine, Alfonso L. Campbell, PhD, Psychology, Howard University, Washington, DC

116) Abstract 1723

RACIAL/ETHNIC AND SEX DIFFERENCES IN HOSPITAL READMISSION INTERVAL TIME

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

117) Abstract 1105

BIASED ATTENTION TO EMOTIONAL STIMULI AND CARDIOVASCULAR ADAPTATION TO STRESSORS: IMPLICATING ANXIETY IN DISEASE PATHWAYS?

Niamh M. Higgins, HDipPsychol, Brian M. Hughes, PhD, Centre for Research on Occupational and Life Stress, National University of Ireland, Galway, Galway, Ireland

118) Abstract 1744

THE ROLE OF SOCIAL DESIRABILITY IN REPORTS OF ICD PHANTOM SHOCKS

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

119) Abstract 1415

THE IMPACT OF PHYSICAL ACTIVITY ON MAJOR ADVERSE CARDIOVASCULAR EVENTS (MACE)

Amanda Rossi, MSc, PhD (c), Exercise Science, Concordia Univ./Montreal Behavioural Medicine Ctr, Montréal, Québec, Canada, Kim L. Lavoie, PhD, Psychology, UQAM/Montreal Behavioural Medicine Ctr, Montreal, Quebec, Canada, André Arseneault, MD, Nuclear Medicine, Montreal Heart Inst/Montreal Behavioural Medicine Ctr, Montréal, Québec, Canada, Simon L. Bacon, PhD, Exercise Science, Concordia Univ./Montreal Behavioural Medicine Ctr, Montréal, Québec, Canada

120) Abstract 1423

EFFECTS OF A MULTIMODAL INTERVENTION FOR PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE ON DEPRESSION, ANXIETY, TYPE-D PATTERN AND CARDIOVASCULAR RISK PROFILE IN EMPLOYEES OF THE FORD MOTOR COMPANY, GERMANY - FIRST RESULTS OF THE RANDOMIZED, CONTROLLED PREFORD TRIAL

Christian Albus, MD, Psychosomatics and Psychotherapy, University of Cologne, Cologne, Germany, Birna Bjarnson-Wehrens, PhD, Cardiology and Sports Medicine, German Sport University, Cologne, Germany, Detlef Gysan, MD, AmKaRe, AmKaRe, Cologne, Germany, Christian Schneider, MD, Internal Medicine III, University of Cologne, Cologne, Germany, Hans-Georg Predel, MD, Cardiology and Sports Medicine, German Sport University, Cologne, Germany

121) Abstract 1824

BAROREFLEX FUNCTIONALITY AS A MEDIATOR OF STRESSOR-EVOKED CARDIOVASCULAR REACTIVITY

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

122) Abstract 1413

THE EFFECTS OF TEXT MESSAGES FROM ROMANTIC PARTNERS ON FEMALE STRESS REACTIVITY

Emily D. Hooker, High School Diploma, Sarah D. Pressman, PhD, Psychology, University of Kansas, Lawrence, Kansas

123) Abstract 1332

OPTIMISM, DEPRESSION, AND DEPRESSION REMISSION AFTER CABG SURGERY

Hilary A. Tindle, MD, MPH, Bea Herbeck Belnap, Dr Biol Hum, Internal Medicine, University of Pittsburgh, Pittsburgh, Pa, Patricia R. Houck, MSH, Masters of Science-, Psychiatry, University of Pittsburgh Medical Center, Pittsburgh, Pa, Sati Mazumdar, PhD, Biostatistics, University of Pittsburgh, Pittsburgh, Pa, Michael Scheier, PhD, Psychology, Carnegie Mellon University, Pittsburgh, Pa, Karen A. Matthews, PhD, Psychiatry, Bruce L. Rollman, MD, MPH, Internal Medicine, University of Pittsburgh, Pittsburgh, Pa

124) Abstract 1124

THE ASSOCIATION BETWEEN DEPRESSION AND PSYCHOLOGICAL STRESS REACTIVITY IN CORONARY ARTERY DISEASE (CAD) PATIENTS

Annik Plourde, BA, Kim L. Lavoie, PhD, Psychology, UQAM, Montreal, Quebec, Canada, Chris Ring, PhD, Douglas Carroll, PhD, Sport and Exercise Science, U of Birmingham, Birmingham, UK, Simon L. Bacon, PhD, Exercise Science, Concordia U, Montreal, Quebec, Canada

125) Abstract 1117

CHARACTERISTICS OF ANTIDEPRESSANT USE IN HEART FAILURE PATIENTS

Jessica A. Jimenez, MA, Psychiatry and Behavioral Medicine, University of California, San Diego, La Jolla, California, Barry H. Greenberg, MD, Department of Medicine, University of California, San Diego, San Diego, CA, Joel E. Dimsdale, MD, Psychiatry, University of California, San Diego, La Jolla, California, Thomas R. Rutledge, PhD, Psychiatry and Behavioral Medicine, University of California, San Diego, CA, Meredith A. Pung, PhD, Laura S. Redwine, PhD, Psychiatry and Behavioral Medicine, University of California, San Diego, La Jolla, California, Michael G. Ziegler, MD, Department of Medicine, University of California, San Diego, San Diego, California, Suzi Hong, PhD, Paul J. Mills, PhD, Psychiatry and Behavioral Medicine, University of California, San Diego, La Jolla, CA

Thursday, March 10, 2011

126) Abstract 1136

SYNERGISTIC EFFECTS OF SOCIOECONOMIC STATUS AND ACCULTURATION WITH SYMPATHETIC NERVOUS SYSTEM ACTIVITY IN MEXICAN-AMERICAN WOMEN

Jessica A. Jiménez, MA, Department of Psychiatry, University of California, San Diego, La Jolla, California, Smriti Shivpuri, MS, Karla Espinosa de los Monteros, MS, Department of Psychology, San Diego State University, San Diego, CA, Karen A. Matthews, PhD, Department of Psychiatry, University of Pittsburgh, Pittsburgh, PA, Paul J. Mills, PhD, Department of Psychiatry, University of California, San Diego, La Jolla, CA, Linda C. Gallo, PhD, Department of Psychology, San Diego State University, San Diego, CA

127) Abstract 1660

AN EXAMINATION OF SEX DIFFERENCES IN HEART RATE VARIABILITY DURING STRESSOR EXPOSURE IN REMITTED MAJOR DEPRESSION

Sara L. Bagley, M.S.R., Valerie Mandoske, Terri L. Weaver, PhD, Tony W. Buchanan, PhD, Psychology, Saint Louis University, St. Louis, Missouri

128) Abstract 1260

COMPONENTS OF THE NEUROMATRIX THEORY OF PAIN PREDICT ANGINA DURING EXERCISE STRESS TESTING: RESULTS FROM THE PIMI STUDY

Nadine S. Bekkouche, David S. Krantz, PhD, Andrew J. Wawrzyniak, PhD, Kerry S. Whittaker, MS, Medical and Clinical Psychology, Uniformed Services University, Bethesda, Maryland, David S. Sheps, MD, Cardiology, Emory University, Atlanta, Georgia

129) Abstract 1636

THE INFLUENCE OF OXYTOCIN ON INFLAMMATION AND ATHEROSCLEROSIS IN WHHL RABBITS

Angela Szeto, Ph.D, Maria A. Rossetti, B.S, Psychology, University of Miami, Coral Gables, Florida, Armando J. Mendez, Ph.D, Medicine, University of Miami, Miami, Florida, Crystal M. Noller, B.A, Neil Schneiderman, Ph.D, Phil M. McCabe, Ph.D, Psychology, University of Miami, Coral Gables, Florida

6:30 - 7:30 pm

MENTOR/MENTEE RECEPTION

Salon I

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

7:45 pm

PAST LEADERS DINNER

by invitation only

Reminder to Student/Trainees!

You are invited to gather at 7:30 pm, following the Mentor/Mentee Reception on Thursday, for a fun evening at Casa Rio, 430 E. Commerce St., on the Riverwalk. Individuals will be responsible for their own expenses - please stop by the APS Registration Desk if you are interested in attending but haven't yet signed up.

Friday, March 11, 2011

6:45 am - 5:30 pm

REGISTRATION

A light continental breakfast will be served from 6:45 to 8:00 am.

Salon E Foyer

7:00 - 8:00 am

ROUNDTABLES/ COMMITTEE MEETING

Early Career Roundtable: Early Career Transitions

Conference Room 7

Presenters: David Krantz, PhD; Jeanne McCaffrey, PhD; and Thomas Ritz, PhD

This Roundtable session will focus on early career transitions for students about to enter the job market as well as early career professionals encountering decisions about their career trajectory. It will include "to do's" for the final years in grad school or medical school, searching and interviewing for jobs, new job negotiations, shifting career paths, setting up collaborations, and networking tactics.

Textbook Sub Committee Meeting

Conference Room 9

8:00 - 8:55 am

PLENARY SESSION

Salon E



David Creswell, PhD

Neuro-Behavioral Pathways Linking Mindfulness and Physical Health

*Chair: Scott Matthew, MD**Presenter: David Creswell, PhD*

There is a growing interest among psychosomatic medicine researchers in integrating neuroimaging and biological assessment methods in behavioral intervention research. This talk describes a program of research examining the stress-reduction pathways in mindful awareness and mindfulness interventions, using neuroimaging and biological assessment methods. Laboratory and intervention studies will be presented showing that (1) mindful awareness can reduce stress and improve stress-related disease outcomes, (2) mindful awareness is associated with improved stress-regulation via prefrontal cortico-limbic pathways, and (3) that these neural and health effects can be explained by behavioral measures of mindfulness meditation class attendance and home practice. Concluding comments will consider the benefits and drawbacks of integrating neuroimaging and biological stress measures in behavioral intervention studies.

9:00 - 9:55 am

PLENARY SESSION

Salon E



Mike Antoni, PhD

Stress Management as a Probe for Illuminating Stress-Related Biobehavioral Processes

*Chair: Sally Dickerson, PhD**Presenter: Mike Antoni, PhD*

In line with the conference theme of "*Biobehavioral Processes and Health: Understanding Mechanisms, Implementing Interventions*" this talk presents a rationale and evidence for the use of stress management intervention as a probe to illuminate biobehavioral processes that mediate stress-health associations in persons with medical illnesses. Research generated in the APS over several years suggests that a host of stressors and stress moderating variables can affect health outcomes in persons dealing with a variety of medical conditions. Cross-sectional and longitudinal studies point to psychosocial (stressor appraisals and interpersonal transactions) and physiological (neuroimmune) adaptation processes that may mediate these associations. Using a structured, manualized, group-based cognitive behavioral stress management (CBSM) intervention designed to modulate these adaptation processes it has been possible to document intervention-associated changes in psychosocial and physiological indicators running in parallel among patients with conditions such as HIV/AIDS, different cancers, and chronic fatigue syndrome. Emerging technologies allow us to drill down with transcriptional molecular analyses to see how these interventions may work on stress physiology, and to utilize advances in telecommunications to reach out to and demonstrate biobehavioral processes in understudied populations who might derive the greatest health benefits from stress management. Intervention findings can identify parallel processes that may be directly manipulated to affect disease management and can in turn generate hypothesized pathways for future development in animal models and targeted human intervention trials. This work may stimulate researchers to set up stress management trials within the field of psychosomatic medicine that examine parallel changes in psychosocial and physiological adaptation processes and relate these in turn to clinical health outcomes.

10:00 - 10:15 am

BREAK

CONCURRENT SESSIONS



Sherita Hill Golden, MD, MHS



Tiffany M. Powell, MD, MPH



Lucile Adams-Campbell, PhD

Invited Symposium: Metabolic Syndrome and Health Disparities

Conference Room 1-4

Chair: Julian Thayer, PhD; Co-Chair: Gaston Kapuku, MD, PhD

Presenters: Sherita Hill Golden, MD, MHS; Tiffany M. Powell, MD, MPH; and Lucile Adams-Campbell, PhD

NEUROENDOCRINE DYSFUNCTION: A CULPRIT IN THE LINK BETWEEN STRESS AND METABOLIC DISORDERS?

Sherita Hill Golden, MD, MHS

Epidemiological studies show that depression predicts development of type 2 diabetes. This association is not entirely explained by obesity-promoting health behaviors associated with depression. This presentation will demonstrate that clinical and subclinical hypercortisolism and metabolic syndrome share a common phenotype. Using data from the Multi-Ethnic Study of Atherosclerosis, alteration in the diurnal salivary cortisol profile in type 2 diabetes will be examined. Neuroendocrine dysfunction may partially explain the link between psychological stress and metabolic disorders in multiethnic populations.

Objectives:

- Discuss the epidemiological association between depression and type 2 diabetes.
- Discuss the role of the hypothalamic-pituitary-adrenal axis in the pathophysiology of obesity and type 2 diabetes.
- Discuss evidence supporting neuroendocrine dysregulation in type 2 diabetes.

RELATIONSHIP BETWEEN PERCEIVED NEIGHBORHOOD STRESS AND PREVALENT OBESITY: DATA FROM THE DALLAS HEART STUDY

Tiffany M. Powell, MD, MPH

Although psychological stress can result in adverse health behaviors and outcomes, less is understood about chronic stress due to neighborhood characteristics and its association to obesity, a cause of disability, diabetes, and cardiovascular disease. Differential exposure to chronic stress related to neighborhood characteristics across racial and ethnic groups may contribute to disparities in prevalent obesity. This presentation will describe the relationship between chronic stress due to neighborhood characteristics and obesity measured by body mass index (BMI) among participants in the Dallas Heart Study, a multi-ethnic, probability-based population sample of Dallas County residents.

OBESITY, PHYSICAL ACTIVITY, AND BREAST CANCER DISPARITIES

Lucile Adams-Campbell, PhD

Breast cancer disparities exist with the highest incidence rates among White women but the highest mortality rates among African-American women. It is hypothesized that obesity and physical inactivity are two risk factors that are linked to the breast cancer burden among African-Americans. The prevalence of obesity in America has reached epidemic proportions. Currently, 68% of Americans are either overweight or obese whereby African-Americans are at more than a two-fold increased rate compared to European-Americans. The recommended amount of physical activity for Americans is >150 min/wk or 10,000 steps per day; however, many Americans are not meeting these guidelines. Inadequate energy expenditure or high levels of physical inactivity lead to an increased risk of obesity. Obesity coupled with physical inactivity, are significant risk factors and contributors of increased breast cancer disparities for breast cancer.

Paper Session: Social Cardiophysiology

Conference Room 17-18

Chair: Clayton Hilmert, PhD

Abstract 1724

CARDIOVASCULAR EMOTIONAL DAMPENING IS INDEPENDENT OF ALEXITHYMIA

James A. McCubbin, PhD, Psychology, Clemson University, Clemson, SC, James P. Loveless, BS, Counselor Education, Clemson University, Clemson, SC, Gabrielle A. Hall, Psychology, University of Florida, Gainesville, FL, Grace Robinson, DeWayne Moore, PhD, Psychology, Clemson University, Clemson, SC

Abstract 1816

PRIMARY AND SECONDARY EMOTIONAL EFFECTS OF SOCIAL SUPPORT

Ai Ni Teoh, M Soc Sci, Clayton J. Hilmert, PhD, Desiree J. Zielke, MA, Psychology, North Dakota State University, Fargo, ND

Abstract 1353

IMPACT OF DEPRESSION AND LIFETIME TRAUMA HISTORY ON CARDIAC VAGAL CONTROL

Jill M. Cyranowski, PhD, Psychiatry, University of Pittsburgh Medical Center, Pittsburgh, PA

Abstract 1759

VALIDITY OF HIGH-FREQUENCY HEART RATE VARIABILITY(HF-HRV) DURING MARITAL CONFLICT
Matthew R. Cribbet, M.S., Timothy W. Smith, PhD, Bert N. Uchino, PhD, Psychology, University of Utah, Salt Lake City, Utah, Jill B. Nealy-Moore, PhD, Psychology, University of Puget Sound, Tacoma, Washington

**Symposium 1364: Biobehavioral Processes in Asthma:
Understanding Mechanisms, Implementing Interventions**

Salon C

Chair: Simon Bacon, PhD

Individual Abstract Number: 1612

STRESS-INDUCED CHANGES IN ASTHMATIC AIRWAY INFLAMMATION: FINDINGS WITH AN EXPERIMENTAL PARADIGM OF ACUTE LABORATORY STRESS

Thomas Ritz, PhD, Ana F. Trueba, BS, Psychology, Southern Methodist University, Dallas, TX, Richard J. Auchus, MD, Internal Medicine, UT Southwestern Medical Center, Dallas, TX, Pia D. Vogel, PhD, Biochemistry, Southern Methodist University, Dallas, TX

Individual Abstract Number: 1374

THE ASSOCIATION BETWEEN ANXIETY SENSITIVITY (AS) AND INFLAMMATORY RESPONSES TO SPECIFIC INHALATION CHALLENGE (SIC) IN PATIENTS UNDER INVESTIGATION FOR OCCUPATIONAL ASTHMA (OA)

Alexandre Morizio, BSc (c), Montreal Behavioural Medicine Centre, Exercise Sci, Concordia University, Montreal, Quebec, Canada, Kim L. Lavoie, PhD, Montreal Behavioural Medicine Centre, Psychology, UQAM, Montreal, Quebec, Canada, Maryann Joseph, MA, Montreal Behavioural Medicine Centre, Psychology, McGill University, Montreal, Quebec, Canada, Simon L. Bacon, PhD, Montreal Behavioural Medicine Centre, Exercise Sci, Concordia University, Montreal, Quebec, Canada

Individual Abstract Number: 1715

PHYSICAL ACTIVITY, BODY MASS INDEX, EXERCISE, AND ASTHMA

Simon L. Bacon, PhD, Montreal Behavioural Medicine Centre / Exercise Sci., Concordia University, Montreal, QC, Canada, Alicia Wright, MSc, Montreal Behavioural Medicine Centre, Hopital du Sacre-Coeur de Montreal, Montreal, QC, Canada, Kim L. Lavoie, PhD, Montreal Behavioural Medicine Centre, Psychology, UQAM, Hopital du Sacre-Coeur de Montreal, Montreal, QC, Canada

Individual Abstract Number: 1369

FEASIBILITY OF A STRESS MANAGEMENT INTERVENTION FOR 7-12 YEARS OLDS WITH ASTHMA

Anna L. Marsland, PhD, Kristin Long, MS, Psychology, University of Pittsburgh, Pittsburgh, PA, Sheldon Cohen, PhD, Psychology, Carnegie Mellon University, Pittsburgh, PA, David Skoner, MD, Pediatrics, Drexel University College of Medicine, Pittsburgh, PA, Linda Ewing, PhD, Psychiatry, University of Pittsburgh Medical Center, Pittsburgh, PA, Deborah Gentile, MD, Pediatrics, Drexel University College of Medicine, Pittsburgh, PA

Individual Abstract Number: 1368

THE EFFICACY OF MOTIVATIONAL INTERVIEWING ON ASTHMA MEDICATION ADHERENCE IN NON-ADHERENT, POORLY CONTROLLED ASTHMATICS: PRELIMINARY RESULTS OF THE ASTHMA CONTROL TRIAL (ACT)

Kim L. Lavoie, PhD, Montreal Behavioural Medicine Centre, Psychology, Pn, UQAM, Hopital du Sacre-Coeur, Montreal, Quebec, Canada, C Lemiere, MD, Pneumology, Hopital du Sacre-Coeur, Montreal, Quebec, Canada, M Labrecque, MD, Pneumology, Hopital du Sacre-Coeur, Montreal, Quebec, Canada, L Blais, PhD, Pneumology, Hopital du Sacre-Coeur, Montreal, Quebec, Canada, MF Beauchesne, PhD, Pneumology, Hopital du Sacre-Coeur, Montreal, Quebec, Canada, G Moullec, Pneumology, Hopital du Sacre-Coeur, Montreal, Quebec, Canada, T Campbell, PhD, Psychology, U Calgary, Calgary, Alberta, Canada, SL Bacon, PhD, Montreal Behavioural Medicine Centre, Exercise Scien, Concoridia, Hopital du Sacre-Coeur, Montreal, Qubec, Canada

**Invited Symposium: Current Directions in
Stress Research: Andy Baum's Legacy**

Salon D

Chair: David S. Krantz, PhD

Presenters: Angela Liegey Dougall, PhD; Douglas Delahanty, PhD; Laura Redwine, PhD; Martica Hall, PhD; and Lorenzo Cohen, PhD

Discussant: Neil Schneiderman, PhD

Andy Baum's research interests revolved around stress and its impact on health and illness, particularly traumatic stress, biobehavioral factors in the development and progression of neoplastic disease, and stress associated with managing disease risk or chronic illness. The present symposium brings together prior students of Dr. Baum's who are now noted experts in stress research in order



Andy Baum, PhD

Friday, March 11, 2011

to demonstrate the breadth of Dr. Baum's influence on the field of psychosomatic medicine. Dr. Dougall will describe recent work that Dr. Baum had been conducting to examine the impact of stress on cell defense at a molecular level and linking these changes to processes that may be related to immunosurveillance and the induction of cell mutation. Dr. Delahanty will present both basic and applied research into biological predictors and correlates of post-traumatic distress and how this has informed current and ongoing pharmacological prevention trials. Dr. Redwine will provide a review of PNI research culminating on current work examining PNI processes in heart disease and cancer. Dr. Cohen will provide an overview of his work in the field of psycho-oncology with a focus on a biobehavioral/psychosocial model. His presentation will highlight research examining the role of stress in adjustment to cancer diagnosis and treatment and stress management interventions. Finally, Dr. Hall will take a similar approach to discussing her research program on the effects of stress on sleep and the impact of stress-related sleep disturbances on health outcomes.

11:30 am - 12:45 pm

ROUNDTABLES/COMMITTEE MEETINGS (or lunch on your own)

Mental Health Problems Related to Pregnancy and Postpartum Period: Which Interventions can We Offer?

Conference Room 10

Chair: Claire Stramrood, MD

An increasing body of research has become available during the past two decades on possible mental health problems in the perinatal period: One in eight childbearing women develop postpartum depression, 1-2% develops posttraumatic stress disorder (PTSD), 6-10% has clinical fear of childbirth (FoC). Risk factors include a wide range of aspects, including previous psychiatric illnesses or psychological problems, stressful life events (divorce, financial problems), complications and interventions during delivery, lack of support from partner and staff, etc. Possible consequences include reduced quality of life, attachment problems, impaired cognitive and behavioral development (in infant), increased rates of both elective and emergency cesarean sections, and avoidance of subsequent pregnancies.

While much is now known regarding prevalence, risk factors and consequences, studies regarding prevention and treatment options are scarce, particularly for PTSD and FoC. A limited number of studies have suggested psycho-education, cognitive behavioral therapy and eye-movement desensitization and reprocessing (EMDR).

This roundtable session will focus on (1) sharing knowledge on mental health problems related to pregnancy and postpartum period, in particular PTSD and FoC; (2) discussing best practices: experience from professionals working in a clinical setting with prevention and intervention strategies; (3) discussing possible (collaboration in) research on this topic.

Opportunities for NIH Funding of Psychosomatic Medicine Research

Conference Room 7

Chair: Susan Czajkowski, PhD, NHLBI

Panel Members: Catherine Stoney, PhD, NHLBI; Deborah Olster, PhD, OBSSR; Paige McDonald, PhD, NCI; Lis Nielsen, PhD, NIA

This roundtable will provide an overview of NIH policies and funding opportunities in psychosomatic medicine research. NIH scientists representing several different Institutes as well as the Office of Behavioral and Social Sciences Research will discuss current initiatives and broad NIH goals in the behavioral and social sciences. One anticipated outcome will be an increased exchange between NIH scientific staff and potential applicants, with time provided for questions and for participants to schedule one-on-one meetings with NIH representatives. The information presented will be relevant to both new and established investigators. Participants will leave with the most up-to-date information on:

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

*Psychosomatic Medicine Editorial Board Lunch
by invitation only*

Conference Room 13-14

1:00 - 2:15 pm

CONCURRENT SESSIONS

Symposium 1203: Biological Embedding of Childhood Experiences and Physical Health During the Life Course

Conference Room 1-4

Chair: Karen Matthews, PhD

Discussant: Andrea Danese, PhD

Individual Abstract Number: 1362

EARLY LIFE STRESS AND CARDIOMETABOLIC HEALTH LATER IN LIFE

Katri A. Räikkönen, PhD, Institute of Behavioral Sciences, University of Helsinki, Helsinki, Helsinki, Finland, Hanna Alastalo, MA, National Institute of Health and Welfare, National Institute of Health and Welfare, Helsinki, Helsinki, Finland, Anu-Katriina Pesonen, PhD, Kati Heinonen, PhD, Psychology, University of Helsinki, Helsinki, Helsinki, Finland, Johan G. Eriksson, MD, National Institute of Health and Welfare, National Institute of Health and Welfare, Helsinki, Helsinki, Finland

Individual Abstract Number: 1445

HISTORY OF CHILDHOOD TRAUMA IS ASSOCIATED WITH GLUCOCORTICOID SENSITIVITY IN ADULTHOOD

Thaddeus W. Pace, PhD, Christine M. Heim, PhD, Psychiatry & Behavioral Sciences, Emory University School of Medicine, Atlanta, GA, Charles B. Nemeroff, MD, PhD, Psychiatry & Behavioral Sciences, Miller School of Medicine, University of Miami, Miami, FL, Andrew H. Miller, MD, Psychiatry & Behavioral Sciences, Emory University School of Medicine, Atlanta, GA

Individual Abstract Number: 1297

CHILDHOOD PHYSICAL ABUSE CORRELATES WITH ADULTHOOD STRESSOR-EVOKED ACTIVITY IN LIMBIC FOREBRAIN AND HYPOTHALAMIC REGIONS

Layla Banihashemi, PhD, Lei K. Sheu, PhD, Peter J. Gianaros, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Individual Abstract Number: 1205

ADOLESCENT SLEEP, METABOLIC FACTORS, AND SOCIOECONOMIC STATUS

Karen Matthews, PhD, Department of Psychiatry, Jane F. Owens, Dr.P.H., Martica Hall, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Paper Session: Social Processes and Cardiovascular Health

Conference Room 17-18

Chair: Rebecca Thurston, PhD

Abstract 1695

PERCEIVED SOCIAL SUPPORT AND MARKERS OF HEART FAILURE SEVERITY

Andrew J. Wawrzyniak, PhD, Medical & Clinical Psychology, Kristie M. Harris, MS, Nadine S. Bekkouche, MS, Kerry S. Whittaker, MS, Sarah M. Godoy, MS, Medical & Clinical Psychology, Uniformed Services University, Bethesda, MD, Willem J. Kop, PhD, School of Social & Behavioural Sciences, Tilburg University, Netherlands, Stephen S. Gottlieb, MD, Cardiology, University of MD School of Medicine, Baltimore, MD, David S. Krantz, PhD, Medical & Clinical Psychology, Uniformed Services University, Bethesda, MD

Abstract 1797

UNFAIR TREATMENT AND ENDOTHELIAL FUNCTION IN BLACK AND WHITE WOMEN

Rebecca C. Thurston, PhD, Psychiatry, Kim Sutton-Tyrrell, DrPH, Epidemiology, Karen A. Matthews, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Abstract 1732

EVALUATIVE THREAT AND AMBULATORY BLOOD PRESSURE

Timothy W. Smith, PhD, Wendy Birmingham, MS, Bert N. Uchino, PhD, Psychology, University of Utah, Salt Lake City, Utah

Abstract 1258

SOCIAL-EVALUATIVE THREAT AND HEMODYNAMIC REACTIVITY TO LABORATORY STRESS: THE ROLE OF INDIVIDUAL CONTROL ATTRIBUTIONS

Eanna D. O'Leary, HDipPsychol, Centre for Research on Occupational and Life Stress, Jack E. James, PhD Psychology, School of Psychology, National University of Ireland, Galway, Galway, Ireland

Paper Session: Biopsychosocial Influences on Cancer

Salon C

Chair: Deidre Pereira, PhD

Abstract 1204

DEPRESSIVE SYMPTOMS AND CORTISOL RHYTHMICITY PREDICT SURVIVAL IN PATIENTS WITH STAGE IV RENAL CELL CARCINOMA: ROLE OF SYSTEMIC INFLAMMATORY SIGNALING

Lorenzo Cohen, PhD, Steven W. Cole, PhD, Clemens Kirschbaum, PhD, Anil Sood, MD, Shellie Scott, PA, Nizar Tannir, MD, Eric Jonasch, MD, Laszlo Radvanyi, PhD, Luis Vence, PhD, Jesusa M. Arevalo, PhD, Louis Pisters, MD, The University of Texas MD Anderson Cancer Center, Houston, TX, USA, UCLA School of Medicine, Los Angeles, CA, USA, Technical University of Dresden, Dresden, Germany

Abstract 1236

TUMOR-PROMOTING BIOLOGICAL FACTORS ARE ASSOCIATED WITH CIRCADIAN AND ENDOCRINE DISRUPTION, BUT NOT SOCIAL SUPPORT, IN PRE-SURGICAL BREAST CANCER PATIENTS
Elizabeth Lush, M.S., Psychological & Brain Sciences, University of Louisville, Louisville, KY, Firdaus S. Dhabhar, PhD, Psych & Behav Sci; Inst for Imm, Trans & Infec, Stanford Cancer Center; Stanford School of Medicine, Stanford, CA, Anees Chagpar, MD, Surgery, Yale School of Medicine, New Haven, CT, Eric Dedert, PhD, Durham Veterans Affairs, Duke University Medical Centers, Durham, NC, Meagan Daup, M.A., Psychological & Brain Sciences, Ehab Dayyat, MD, School of Medicine, University of Louisville, Louisville, KY, David Spiegel, MD, Psychiatry & Behavioral Sciences, Stanford University School of Medicine, Stanford, CA, Kelly McMasters, MD/PhD, Surgery, University of Louisville, Louisville, KY, Jean M. Tillie, BS, Psychiatry & Behavioral Sciences, Stanford Cancer Center; Stanford School of Medicine, Stanford, CA, Sandra E. Sephton, PhD, Psychological & Brain Sciences, University of Louisville, Louisville, KY

Abstract 1316

DISTRESS AND SOCIAL SUPPORT PREDICT IMMUNE RECOVERY FOLLOWING HEMATOPOIETIC STEM CELL TRANSPLANTATION

Erin S. Costanzo, PhD, Psychiatry, Mark B. Juckett, MD, Hematology/Oncology, Dagna Sheerar, BS, Carbone Cancer Center Flow Cytometry Facility, Tara L. Becker, PhD, Biostatistics and Medical Informatics, Ashley M. Nelson, BA, Psychiatry, Kathleen Schell, MS, Carbone Cancer Center Flow Cytometry Facility, Peiman Hematti, MD, Hematology/Oncology, Christopher L. Coe, PhD, Psychology, University of Wisconsin-Madison, Madison, WI

Abstract 1003

PSYCHOSOCIAL FACTORS PREDICT NEUTROPHIL RECOVERY AND CYTOKINE LEVELS FOLLOWING HEMATOPOIETIC STEM CELL TRANSPLANTATION

Jennifer M. Knight, MD, Jan A. Moynihan, PhD, Jeffrey M. Lyness, MD, Benjamin P. Chapman, PhD, Psychiatry, Yinglin Xia, PhD, Xin Tu, PhD, Biostatistics, University of Rochester Medical Center, Rochester, NY, Bryan C. Hunter, PhD, Music, Nazareth College, Rochester, NY, Li-Shan Huang, PhD, Biostatistics, Rosemary Oliva, MS, Pediatrics, D'Arcy Gaisser, NP, Cardiology, Jane L. Liesveld, MD, Hematology/Oncology, Olle Jane Z. Sahler, MD, Pediatrics, Psychiatry, Medical Humanities, Oncology, University of Rochester Medical Center, Rochester, NY

Paper Session: Biobehavioral Interventions

Salon D

Chair: Joan Broderick, PhD

Abstract 1593

A RANDOMISED CONTROLLED TRIAL (RCT) OF COGNITIVE BEHAVIOURAL THERAPY FOR ADJUSTING TO MULTIPLE SCLEROSIS. DOES IT WORK AND FOR WHOM DOES IT WORK?

Rona Moss-Morris, PhD, School of Psychology, Southampton, Southampton, Hampshire, UK, Laura Dennison, Msc, School of Psychology, University of Southampton, Southampton, Hampshire, UK, Trudie Chalder, PhD, Department of Psychological Medicine, Institute of Psychiatry, King's College London, London, UK, Sabine Landau, PhD, Department of Biostatistics, Institute of Psychiatry, London, UK

Abstract 1239

RANDOMIZED, CONTROLLED TRIAL OF YOGA FOR WOMEN WITH BREAST CANCER UNDERGOING RADIOTHERAPY

Robin Haddad, MPH, Kavita Chandwani, MD, George Perkins, MD, Amy Spelman, PhD, Kayla Johnson, BS, Adoneca Fortier, BS, HR Nagendra, PhD, R Nagarathna, MD, NV Raghuram, PhD, Banu Arun, MD, Qi Wei, MS, Clemens Kirschbaum, PhD, Lorenzo Cohen, PhD, The University of Texas MD Anderson Cancer Center, Houston, TX, USA, SVYASA, Bangalore, India, Technical University of Dresden, Dresden, Germany

Abstract 1604

THE RAISED TRIAL: EFFECTS OF COPING SKILLS TRAINING AND WRITTEN EMOTIONAL DISCLOSURE ON DAILY DIARY OUTCOMES FOR PATIENTS WITH RHEUMATOID ARTHRITIS

Mark A. Lumley, PhD, Psychology, Wayne State University, Detroit, MI, Francis J. Keefe, PhD, Psychiatry, Duke University Medical Center, Durham, NC, Richard Slatcher, PhD, Psychology, Wayne State University, Detroit, MI, Angelia Mosley-Williams, MD, Medicine, John D. Dingell Veteran's Affairs Medical Center, Detroit, MI, John Rice, MD, Medicine, Duke University Medical Center, Durham, NC, Ainoa Mayo, MSW, Anita Kalaj, MA, Jennifer Carty, BA, Psychology, Wayne State University, Detroit, MI, Daphne McKee, PhD, Mark Connelly, PhD, Sandra Waters, PhD, Psychiatry, Duke University Medical Center, Durham, NC, Jay Cohen, PhD, Lynn Neely, PhD, Jennifer Stevenson, MSW, Psychology, Wayne State University, Detroit, MI

Abstract 1661

EFFECTS OF ANGER AWARENESS AND EXPRESSION TRAINING AND RELAXATION TRAINING ON CHRONIC HEADACHES: A RANDOMIZED TRIAL

Olga Slavin-Spenny, M.A., Elyse R. Sklar, B.S., Maren Hyde-Nolan, B.A., Dana Nevedal, M.A., Alaa Hijazi, M.A., Mark A. Lumley, PhD, Psychology, Wayne State University, Detroit, Michigan

2:15 - 2:30 pm

BREAK

2:30 - 3:45 pm

CONCURRENT SESSIONS



Lorenzo Cohen, PhD



Michael R. Irwin, MD



Susan K. Lutgendorf, PhD

Invited Symposium: Advances In Integrative Medicine: Relevance To Psychosomatic Medicine *Conference Room 1-4*

Chair: Deidre Pereira, PhD

Presenters: Lorenzo Cohen, PhD; Michael R. Irwin, MD; and Susan K. Lutgendorf, PhD

Approximately one-third of all adults in the United States use Complementary and Alternative Medicine (CAM) or Integrative Medicine approaches. In spite of this, there is a relative paucity of research examining (a) the efficacy of Integrative Medicine approaches on health outcomes and (b) the biobehavioral mechanisms by which these effects may occur. The Institute of Medicine (2005) has recommended prioritizing the initiation of this research in conditions that are "highly prevalent," "carry a high burden of suffering," and "offer the possibility of great benefit." Consistent with these research priorities, this Symposium will present empirically-based research on the efficacy of Integrative Medicine approaches, particularly mind-body and touch therapies, on immunity and patient-centered outcomes in older adults and individuals with cancer.

INTEGRATIVE MEDICINE: OVERVIEW AND ONCOLOGY-BASED APPLICATIONS

Lorenzo Cohen, PhD

This talk will provide an overview of integrative medicine with brief examples of the application of different treatment modalities relevant to psychosomatic medicine. Topics covered will include: biological therapies; mind-body medicine; manipulative body-based practices; energy medicine; and whole medical systems. The role of comprehensive integrative medicine programs will be discussed. Research incorporating different forms of yoga in cancer care will be highlighted.

MIND-BODY APPROACHES TO HEALTH AND WELLNESS PROMOTING SUCCESSFUL AGING: EFFECTS OF TAI CHI ON IMMUNITY, SLEEP, AND DEPRESSION IN OLDER ADULTS

Michael R. Irwin, MD

This talk will provide an overview of mind-body approaches with a review of types of treatment and their utilization. Opportunities for evaluating their efficacy in specific populations to prevent and treat illness will be critically discussed, with consideration of priorities for understanding the neurobiological mechanisms that mediate benefit. Studies using Tai Chi will be highlighted as an example of a mind-body treatment that can be used to promote successful aging across multiple health domains. The comparability and benefit of Tai Chi to other behavioral interventions such as cognitive behavioral therapy and/or to pharmacotherapies will be considered.

EFFECTS OF HEALING TOUCH AND RELAXATION ON IMMUNITY AND MOOD IN CERVICAL CANCER PATIENTS DURING CHEMORADIATION

Susan K. Lutgendorf, PhD

This talk will discuss effects of a randomized clinical trial testing the effects of Healing Touch vs. Relaxation vs. Standard Care on the cellular immune response and depression in cervical cancer patients during their chemoradiation treatment. General issues regarding biofield therapy assumptions, methodology, and research will also be addressed.

Symposium 1208: The Impact of Emotional Distress on Physical Functioning, Arrhythmia Onset, and Clinical Outcomes in Patients with Atrial Fibrillation *Conference Room 17-18*

Chair: Nina Kupper, PhD

Discussant: David Krantz, PhD

Individual Abstract Number: 1226

DOES ANXIETY AND DEPRESSION PREDICT ATRIAL FIBRILLATION RECURRENCE AFTER ABLATION THERAPY?

Jane Irvine, D.Phil., Psychology, York University, Toronto, ON, Canada, Yaariv Khaykin, MD, Annette Nath, B.Sc.N, Heart Rhythm Program, Southlake Regional Health Centre, Newmarket, ON, Canada, Lephuong Ong, PhD, Psychology, OrionHealth - Vancouver Pain Clinic, Vancouver, BC, Canada, Ana Bilanovic, M.A., Sabine Johnson, M.Sc., Psychology, York University, Toronto, ON, Canada, Brian Baker, MD, Psychiatry, Toronto Western Hospital, Toronto, ON, Canada

Individual Abstract Number: 1249

EMOTIONAL DISTRESS AND SUBJECTIVE AF SYMPTOMS IN PATIENTS WITH PERSISTENT ATRIAL FIBRILLATION BEFORE AND AFTER ELECTRICAL CARDIOVERSION

Krista C. Van den Broek, PhD, Johan Denollet, PhD, CoRPS - Department of Medical Psychology and Neurops, Tilburg University, Tilburg, North-Brabant, The Netherlands, Jos Widdershoven, PhD, Department of Cardiology, Twee-Steden Hospital, Tilburg, North-Brabant, The Netherlands, Nina Kupper, PhD, CoRPS - Department of Medical Psychology and Neurops, Tilburg University, Tilburg, North-Brabant, The Netherlands

Individual Abstract Number: 1222

NEUROENDOCRINE ACTIVATION, DISABILITY AND DISTRESS IN PATIENTS WITH PAROXYSMAL VERSUS PERMANENT ATRIAL FIBRILLATION OR SINUS RHYTHM

Christoph Herrmann-Lingen, MD, PhD, Psychosomatic Medicine and Psychotherapy, Universitätsmedizin Göttingen, Göttingen, Niedersachsen, Germany, Frank Edelmann, MD, PhD, Cardiology and Pneumology, University of Göttingen, Göttingen, Niedersachsen, Germany, Raoul Stahrenberg, MD, Department of Cardiology and Pneumology, University of Göttingen, Göttingen, Niedersachsen, Germany, Lutz Binder, Department of Clinical Chemistry, Martin Scherer, MD, Department of General Practice, ,, University of Göttingen, Göttingen, Niedersachsen, Germany, Burkert Pieske, MD, PhD, Department of Cardiology, University of Graz, Graz, -, Austria, Rolf Wachter, Department of Cardiology and Pneumology, University of Göttingen, Göttingen, Niedersachsen, Germany

Individual Abstract Number: 1219

IMPACT OF PSYCHOLOGICAL STRESS ON ATRIAL PHYSIOLOGY IN PATIENTS WITH ATRIAL FIBRILLATION AND CONTROLS

Rachel Lampert, MD, Matthew Burg, PhD, Cardiology, Cynthia Brandt, MD, Anesthesiology/Medical Informatics, Yale University School of Medicine, New Haven, CT, Larry Jamner, PhD, Psychology and Social Behavior, University of California, Irvine, Irvine, California, Theresa Donovan, BS, Robert Soufer, MD, Cardiology, Yale University School of Medicine, New Haven, CT

Paper Session: Effects of Depression Treatments

Salon C

Chair: Clayton Hilmert, PhD

Abstract 1736

DEPRESSION, ANTIDEPRESSANT TREATMENT AND INFLAMMATION

Brenda W. Penninx, PhD, Psychiatry, VU University Medical Center, Amsterdam, NH, Netherlands, Peter de Jonge, PhD, Psychiatry, University Medical Center Groningen, Groningen, GR, Netherlands, Hester E. Duivis, Tilburg University, Tilburg, NB, Netherlands, Nicole Vogelzangs, Psychiatry, VU University Medical Center, Amsterdam, NH, Netherlands

Abstract 1592

IMPACT OF COLLABORATIVE CARE FOR DEPRESSION FOLLOWING CORONARY ARTERY BYPASS GRAFT (CABG) SURGERY BY BASELINE MOOD SYMPTOM SEVERITY

Bruce L. Rollman, MD, Bea Herbeck Belnap, Dr Biol Hum, Department of Medicine, Fanyin He, BS, Sati Mazumdar, PhD, Department of Biostatistics, University of Pittsburgh, Pittsburgh, PA, Herbert C. Schulberg, PhD, Department of Psychiatry, Weill Cornell Medical College, White Plains, NY, Charles F. Reynolds III, MD, Department of Psychiatry, University of Pittsburgh, Pittsburgh, PA

Abstract 1382

LONGITUDINAL EVIDENCE THAT ANTIDEPRESSANTS RATHER THAN PSYCHOPATHOLOGY AFFECT HEART RATE VARIABILITY

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

Abstract 1591

ENHANCED DEPRESSION CARE DOES NOT IMPROVE ADHERENCE IN POST-ACUTE CORONARY SYNDROME PATIENTS

Ian M. Kronish, MD, Internal Medicine, Mount Sinai School of Medicine, New York, New York, Nina Rieckmann, PhD, Public Health, Charite University Medical Center, Berlin, Germany, Donald Edmondson, PhD, Matthew Burg, PhD, Karina W. Davidson, PhD, Internal Medicine, Columbia University Medical Center, New York, New York

Paper Session: Biopsychosocial Links between Appetite, Eating, and Obesity**Salon D***Chair: Ted Robles, PhD***Abstract 1746**

STRESS AND TASTE: POTENTIAL MECHANISMS LINKING AFFECT AND APPETITE REGULATION

*Mustafa al'Absi, PhD, Motohiro Nakajima, PhD, Behavioral Sciences, University of Minnesota Medical School, Duluth, MN, Stephanie Hooker, BS, Behavioral Sciences, Tiffany Cragin, MS, Medical School, University of Minnesota, Duluth, MN***Abstract 1814**

STRESS AND APPETITE REGULATION IN THE CONTEXT OF NICOTINE DEPENDENCE

*Mustafa al'Absi, PhD, Behavioral Sciences, University of Minnesota Medical School, Duluth, MN***Abstract 1856**

MENTAL STRESS REACTIVITY PROVIDES EVIDENCE OF PATHWAYS IN THE NATRIURETIC PEPTIDE HANDICAP WITH OBESITY

*Sari D. Holmes, PhD, Cardiac Surgery Research, Inova Heart and Vascular Institute, Falls Church, VA, Kerry S. Whittaker, MS, Kristie M. Harris, MS, Medical and Clinical Psychology, Patricia A. Deuster, PhD, Department of Military and Emergency Medicine, David S. Krantz, PhD, Medical and Clinical Psychology, Uniformed Services University, Bethesda, MD***Abstract 1831**

ROLE OF LEPTIN IN OBESITY-INFLAMMATION LINK AND BEHAVIORAL INTERVENTIONS IN HYPERTENSION

Suzi Hong, PhD, Julie Sadjja, MA, Kathleen Wilson, MS, Paul J. Mills, PhD, Psychiatry, University of California San Diego, La Jolla, California

3:45 - 4:00 pm

BREAK

4:00 - 5:15 pm

PLENARY SESSION**Salon E***Annette Stanton, PhD***Psychological Mechanisms in Interventions for Individuals Living with Chronic Disease: Opportunity for Integration of Theory, Research and Practice***Chair: Suzanne Segerstrom, PhD**Presenter: Annette Stanton, PhD*

Chronic, noncommunicable diseases, such as cancer and cardiovascular disease, account for 70% of all deaths in the United States and for 60% of mortality worldwide. Moreover, prolonged illnesses and associated medical treatments can disrupt the lives of individuals and those around them in profound ways. In response, researchers have conducted hundreds of longitudinal investigations to illuminate factors that promote and detract from psychological and physical adjustment in individuals living with a diagnosis of chronic disease, as well as a wealth of randomized, controlled trials designed to promote those outcomes. However, there is too little cross-talk among theorists, researchers who conduct observational investigations, and clinical trialists. Founded in the relevant literatures, including the speaker's research, the primary goals of this presentation are to: (1) promote consideration of how theories and investigations of risk and protective factors for adjustment to chronic disease and randomized, controlled intervention trials can reciprocally inform each other; (2) highlight promising, evidence-based candidates for psychosocial mechanisms for the efficacy of recent randomized, controlled trials; and (3) offer directions for theory, research, and practice.

5:15 - 6:30 pm

POSTER SESSION 2**Salon A/B/F****130) Abstract 1731**

UNDERSTANDING EMOTIONAL APPROACH COPING AND PSYCHOSOCIAL FACTORS IN DAILY LIFE

*Vanessa Juth, BA, Sally Dickerson, PhD, Suman Lam, MA, Psychology and Social Behavior, University of California Irvine, Irvine, CA, Peggy Zoccola, PhD, Dept of Psychology, Ohio University, Athens, OH***131) Abstract 1599**

PREDICTORS OF ANGRY RUMINATION AND WORRY IN THE NATURAL ENVIRONMENT

Tanya M. Spruill, PhD, Matthew M. Burg, PhD, Donald Edmondson, PhD, Medicine, Columbia University Medical Center, New York, NY, William Gerin, PhD, Biobehavioral Health, The Pennsylvania State University, University Park, PA, Joseph E. Schwartz, PhD, Medicine, Columbia University Medical Center, New York, NY

132) Abstract 1196

BEREAVEMENT IS ASSOCIATED WITH REDUCED IMMUNE FUNCTION IN OLDER ADULTS: EFFECTS ON NEUTROPHILS, POTENTIAL MECHANISMS, AND PATHWAYS TO INTERVENTION.

Anna C. Phillips, PhD, Riyad S. Khanfer, MSc, School of Sport & Exercise Sciences, Janet M. Lord, PhD, Immunity and Infection, University of Birmingham, Birmingham, UK

133) Abstract 1403

PERCEIVED HAPPINESS LEVEL INFLUENCES EVOCATION OF POSITIVE EMOTIONS

Masahiro Matsunaga, PhD, Hiroshi Kaneko, MD, PhD, Neurology (Psychosomatic Medicine), Fujita Health University, Nagoya, Aichi, Japan, Hiroki Murakami, MS, Kaori Yamakawa, MS, Hideki Ohira, PhD, Psychology, Nagoya University, Nagoya, Aichi, Japan, Tokiko Isowa, PhD, Nursing, Mie University, Tsu, Mie, Japan, Seisuke Fukuyama, PhD, Jun Shinoda, MD, PhD, Jitsuhiro Yamada, MD, PhD, Chubu Medical Center, Kizawa Memorial Hospital, Minokamo, Gifu, Japan

134) Abstract 1745

THE JOINT EFFECTS OF INTENTION STRENGTH, EXECUTIVE FUNCTION AND GOAL SETTING ON PHYSICAL ACTIVITY BEHAVIOR.

Peter A. Hall, PhD, Kinesiology, Chris Zehr, B.Sc., Health Studies & Gerontology, Mark P. Zanna, PhD, Psychology, University of Waterloo, Waterloo, Ontario, Canada

135) Abstract 1163

ACUTE SLEEP RESTRICTION AND ANGER ARE ASSOCIATED WITH A VASCULAR HEMODYNAMIC PROFILE

Siobhán Howard, PhD, Centre for Research on Occupational and Life Stress, Jack E. James, PhD, School of Psychology, National University of Ireland, Galway, Galway, Ireland

136) Abstract 1685

PSYCHOLOGICAL STRESS AND OXIDATIVE STRESS: A SYSTEMATIC REVIEW OF OBSERVATIONAL STUDIES AND CLINICAL TRIALS

Priya Palta, MHS, Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, Laura J. Samuel, MSN, Sarah L. Szanton, PhD, Nursing, Johns Hopkins University School of Nursing, Baltimore, MD

137) Abstract 1383

HEART RATE VARIABILITY AND PERCEPTION OF EMOTION: PROCESSING POSITIVE FACIAL EXPRESSIONS

Dixie Hu, BS, Gawn-hi Park, PhD, LaBarron Hill, MA, DeWayne Williams, Sean Plaskett, Julian F. Thayer, PhD, Psychology, The Ohio State University, Columbus, OH

138) Abstract 1072

THE EFFECT OF TRAIT RUMINATION ON HABITUATION TO REPEATED STRESS

Jillian A. Evans, B.Sc, Department of Psychology, University of Calgary, Calgary, AB, Canada, Kim L. Lavoie, PhD, Département de psychologie, Université du Québec à Montréal, Montréal, PQ, Canada, Simon L. Bacon, PhD, Department of Exercise Science, Concordia University, Montréal, PQ, Canada, Tavis S. Campbell, PhD, Department of Psychology, University of Calgary, Calgary, AB, Canada

139) Abstract 1157

THE CORTISOL AWAKENING RESPONSE (CAR) ACROSS THE FEMALE MENSTRUAL CYCLE

Maren Wolfram, Jacobs Center on Lifelong Learning, Jacobs University Bremen, Bremen, Germany, Silja Bellingrath, Department of Psychiatry and Psychotherapy, University of Muenster, Muenster, Germany, Brigitte M. Kudielka, Prof, Jacobs Center on Lifelong Learning, Jacobs University Bremen, Bremen, Germany

140) Abstract 1320

"THE EFFORT-REWARD IMBALANCE (ERI) RATIO PREDICTS DHEA-S CHANGE IN A SEVEN-YEAR PROSPECTIVE OBSERVATIONAL STUDY IN GERMAN INDUSTRIAL WORKERS.

Michael C. Gadinger, Dipl. Psych., Adrian Loerbroks, PhD, Raphael Herr, Dipl. Soz., Public Health, University of Heidelberg, Mannheim Medical Faculty, Mannheim, Germany, Julian F. Thayer, Professor, Psychology, Ohio State University, Columbus, Ohio, Joachim E. Fischer, Professor, Public Health, University of Heidelberg, Mannheim Medical Faculty, Mannheim, Germany

141) Abstract 1096

RIGHT FRONTAL FUNCTIONING IMPACTS TEMPERAMENT SENSITIVITY DIFFERENCES AND EXERCISE

Michael M. Knepp, PhD, Psychology, University of Mount Union, Alliance, OH, Jared A. Rowland, PhD, Research and Education, Hefner VA Medical Center, Salisbury, NC, Ryoichi J. Noguchi, MS, Sheri L. Towe, MS, Christopher S. Immel, MS, Chad L. Stephens, MS, David W. Harrison, PhD, Psychology, Virginia Tech, Blacksburg, VA

142) Abstract 1153

EFFORTFUL LISTENING CAUSES A PHYSIOLOGICAL STRESS RESPONSE

Seth Rogers, B.A., Psychology, Katheryn Cousins, B.A., Neuroscience, Nicolas Rohleder, PhD, Arthur Wingfield, PhD, Psychology, Brandeis University, Waltham, MA

143) Abstract 1360

PERCEIVED EMOTIONAL SUPPORT AND CORTISOL REACTIVITY

Suman Lam, M.A., Sally S. Dickerson, PhD, Psychology and Social Behavior, University of California, Irvine, Irvine, CA, Peggy M. Zoccola, PhD, Psychology, Ohio University, Athens, OH

144) Abstract 1076

TRAIT ANXIETY AND TRAUMA: CORRELATES OF RESILIENCE IN THE LGBT COMMUNITY

Celina V. Rocha, Eliot J. Lopez, Masters, Mark A. Vosvick, PhD, Psychology, Denise Catalano, PhD, Education, University of North Texas, Denton, Tx

145) Abstract 1417

EFFECTS OF BRIEF STRESS MANAGEMENT ON NEUROENDOCRINE AND IMMUNE STATUS IN WOMEN UNDERGOING TREATMENT FOR NON-METASTATIC BREAST CANCER

Jamie M. Stagl, B.A., Psychology, University of Miami, Coral Gables, FL, Alain Diaz, M.S., Bonnie B. Blomberg, PhD, Microbiology and Immunology, Suzanne C. Lechner, PhD, Psychiatry and Behavioral Sciences, University of Miami Miller School of Medicine, Miami, FL, Charles C. Carver, PhD, Sara Vargas, M.S., Emily Lattie, B.S., Psychology, Michael H. Antoni, PhD, Psychology, Psychiatry and Behavioral Sciences, University of Miami, Coral Gables, FL

146) Abstract 1753

ANTICIPATORY NAUSEA IN CANCER CHEMOTHERAPY: PREDICTING ITS INCIDENCE AND SEVERITY TO FACILITATE THE DEVELOPMENT OF EFFECTIVE INTERVENTIONS

Max E. Levine, PhD, Kristina M. Puzino, BA, Psychology, Siena College, Loudonville, NY, Kenneth L. Koch, MD, Internal Medicine, Wake Forest University School of Medicine, Winston-Salem, NC

147) Abstract 1290

PSYCHONEUROIMMUNE PATHWAYS RELATED TO CANCER FATIGUE

Abigail N. Thompson, Psychological and Brain Sciences, University of Louisville, Louisville, KY, Anees B. Chagpar, MD, Oncology, Yale University, New Haven, Connecticut, Firdaus S. Dhabar, PhD, Jean M. Tillie, BS, Psychiatry and Behavioral Sciences, Stanford Cancer Center, Stanford School of Medicine, Stanford, California, Elizabeth Lush, M.S., Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky, Eric Dedert, PhD, Psychology, Duke University Medical Centers, Durham, North Carolina, Meagan B. Daup, M.A., Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky, David Spiegel, MD, Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, California, Ehab Dayyat, MD, School of Medicine, UofL Graduate Medical Education, Louisville, Kentucky, Kelly M. McMasters, MD/PhD, Surgical Oncology, UofL School of Medicine, Louisville, Kentucky, Sandra E. Sephton, PhD, Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky

148) Abstract 1201

MEDITATION IMPROVES COGNITIVE DYSFUNCTION, MENTAL HEALTH, AND SPIRITUALITY IN WOMEN WITH BREAST CANCER

Kelly Biegler, PhD, Alejandro Chaoul, PhD, Tenzin W. Rinpoche, Geshe, Amy Spelman, PhD, Christina Meyers, PhD, Deborah Fry, PhD, Jennifer Huber, MS, Ideen Zeinali, BS, Banu Arun, MD, Janna Taylor, MA, Lorenzo Cohen, PhD, The University of Texas MD Anderson Cancer Center, Houston, TX, USA, Ligmincha Institute, Charlottesville, VA, USA

149) Abstract 1408

DIURNAL CORTISOL DYSREGULATION, INTERLEUKIN-1 BETA, MOOD STATES, AND PARTNER STATUS IN WOMEN UNDERGOING TREATMENT FOR NON-METASTATIC BREAST CANCER

Jamie M. Stagl, B.A., Psychology, Michael H. Antoni, PhD, Psychology, Psychiatry and Behavioral Sciences, University of Miami, Coral Gables, FL, Bonnie B. Blomberg, PhD, Microbiology and Immunology, Suzanne C. Lechner, PhD, Psychiatry and Behavioral Sciences, University of Miami Miller School of Medicine, Miami, FL, Sara Vargas, M.S., Psychology, University of Miami, Coral Gables, FL, Alain Diaz, M.S., Microbiology and Immunology, University of Miami Miller School of Medicine, Miami, FL, Emily Lattie, B.S., Charles C. Carver, PhD, Psychology, University of Miami, Coral Gables, FL

150) Abstract 1214

CHANGES IN DIURNAL CORTISOL RHYTHMS IN OVARIAN CANCER PATIENTS UNDERGOING PRIMARY TREATMENT

Andrew D. Schrepf, BA, Lauren Clevenger, BA, Psychology, Koen DeGeest, MD, Obstetrics and Gynecology, University of Iowa, Iowa City, IA, Frank Penedo, PhD, Psychology, University of Miami, Coral Gables, FL, David Bender, MD, Michael Goodheart, MD, Obstetrics and Gynecology, University of Iowa, Iowa City, IA, Clemens Kirschbaum, PhD, Psychology, Technische Universität Dresden, Dresden, Germany, Anil K. Sood, MD, Gynecologic Oncology and Tumor Biology, The University of Texas MD Anderson Cancer Center, Houston, TX, Susan K. Lutgendorf, PhD, Psychology, Obstetrics and Gynecology, Urology, University of Iowa, Iowa City, IA

151) Abstract 1617

MINIMAL INTERPERSONAL INTERVENTION TO RADICALLY REDUCE ATTRITION FROM DIABETES SELF-MANAGEMENT AND EDUCATION TRAINING (DSME/T): A PILOT STUDY

John M. Ruiz, PhD, Psychology, University of North Texas, Denton, Texas, Noel Santini, MD, Community Oriented Primary Care, Meghan Jardine, MS, Community Outpatient Primary Care, Sylvia Pickens, M.Ed., Donald B. Walsh, MS, Strategic Planning & Population Medicine, Parkland Health & Hospital System, Dallas, Texas

152) Abstract 1623

SOCIAL COMPARISONS BY PATIENTS WITH TYPE 2 DIABETES: DIFFERENTIATING ILLNESS SEVERITY AND COPING DIMENSIONS

Danielle Arigo, M.S., Joshua M. Smyth, PhD, Psychology, Syracuse University, Syracuse, NY

153) Abstract 1006

POSTTRAUMATIC STRESS DISORDER IS A RISK FACTOR FOR INCIDENT DIABETES

Jeffrey F. Scherrer, PhD, Research Service, Veterans Administration, St. Louis, MO, Patrick J. Lustman, PhD, Psychiatry, Washington University School of Medicine, St. Louis, MO, Timothy Chrusciel, MPH, Research Service, St. Louis Veterans Administration, St. Louis, MO, Lauren D. Garfield, MPH, Research Service, St. Louis VA Medical Center, St. Louis, MO, Kenneth E. Freedland, PhD, Robert M. Carney, PhD, Psychiatry, Washington University School of Medicine, St. Louis, MO, Richard Owen, MD, Psychiatry, Central Arkansas Veterans Healthcare System, Little Rock, AR, Kathleen K. Bucholz, PhD, Psychiatry, Washington University School of Medicine, St. Louis, MO, William R. True, PhD, Research Service, St. Louis VA Medical Center, St. Louis, MO

154) Abstract 1774

THE EFFECTS OF CHILDHOOD SOCIOECONOMIC STATUS ON SELF-REPORTED GENERAL HEALTH: STRUCTURAL REGRESSION ANALYSIS MODEL OF MEDIATING PSYCHOSOCIAL FACTORS

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155) Abstract 1272

BLUNTED STRESS CORTISOL REACTIVITY AND RISK FACTORS FOR ALCOHOLISM: ADVERSE LIFE EVENTS AND ANTISOCIAL BEHAVIOR IN THE OKLAHOMA FAMILY HEALTH PATTERNS PROJECT

Kristen H. Sorocco, PhD, DWR Dept. Geriatric Medicine, Noha H. Farag, PhD, Epidemiology, College of Public Health, University of Oklahoma Health Sciences Center, Oklahoma City, OK, Andrea S. Vincent, PhD, Center for the Study of Human Operator Performance, University of Oklahoma, Norman, OK, William R. Lavallo, PhD, Behavioral Sciences Laboratories, OKC Veterans Affairs Medical Center, Oklahoma City, Oklahoma

156) Abstract 1197

REPETITIVE THOUGHT FLEXIBILITY FLATTENS CORTISOL SLOPE IN OLDER ADULTS

Jaime K. Hardy, M.S., Psychology, University of Kentucky, Lexington, KY, Sandra E. Sephton, PhD, Department of Psychological and Brain Sciences, University of Louisville, Louisville, KY, Suzanne C. Segerstrom, PhD, Psychology, University of Kentucky, Lexington, KY

157) Abstract 1734

ONLINE HEALTH INFORMATION AND INTENTIONS TO SEEK HEALTHCARE

Tana M. Luger, MA, Jerry Suls, PhD, Psychology, University of Iowa, Iowa City, IA

158) Abstract 1325

EVALUATING TECHNOLOGY-BASED ECOLOGICAL MOMENTARY INTERVENTIONS [EMI]: A PALM TOP COMPUTER INTERVENTION FOR YOUNG WOMEN WITH DISORDERED EATING

Kristin E. Heron, M.S., Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, Providence, Rhode Island, Joshua M. Smyth, PhD, Department of Psychology, Syracuse University, Syracuse, New York

159) Abstract 1280

A SIMPLE 15 MIN EXERCISE TASK IMPROVES THE ANTIBODY RESPONSE TO PNEUMOCOCCAL VACCINATION

Kate M. Edwards, PhD, Meredith Pung, PhD, Lianne Tomfohr, MS, Psychiatry, University of California. San Diego, La Jolla, CA, John P. Campbell, PhD, Medicine, University of Birmingham, Birmingham, West Mids, UK, Michael G. Ziegler, M.D, Medicine, University of California. San Diego, La Jolla, CA, Mark T. Drayson, M.D, Medicine, University of Birmingham, Birmingham, West Mids, UK, Paul J. Mills, PhD, Psychiatry, University of California. San Diego, La Jolla, CA

160) Abstract 1310

CHANGES IN SERUM LEVELS OF PYROGENIC AND CRYOGENIC CYTOKINES ASSOCIATED WITH THE TREATMENT OF PSYCHOGENIC FEVER.

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161) Abstract 1721

BIOLOGICAL SENSITIVITY TO LIFESTYLE REDESIGN INTERVENTION IN THE WELL ELDERLY: LINKS BETWEEN TREATMENT EFFECTS AND SALIVARY CORTISOL

Sarah L. Szanton, PhD, Health Systems and Outcomes, Doug A. Granger, PhD, Acute and Chronic Care, Johns Hopkins University, Baltimore, MD, Barbara J. Cherry, PhD, Psychology, California State at Fullerton, Fullerton, CA, Deborah Mandel, MA, Occupational Science and Occupational Ther, University Southern California, Los Angeles, CA, Mei-Yang Lai, MS, Department of Biostatistics, Keck School of Medicine, Los Angeles, CA, USC, Michael Carlson, PhD, Stanley Azen, PhD, Florence Clark, PhD, Occupational Science and Occupational Ther, University Southern California, Los Angeles, CA

162) Abstract 1792

INCREASED EVENING CORTISOL IN HEALTHY WOMEN REPORTING FATIGUE AND POOR SLEEP

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163) Abstract 1847

RELATIONSHIP OF THE DIURNAL RHYTHM OF HEART RATE VARIABILITY WITH PLASMA INTERLEUKIN-6 AND SALIVARY ALPHA-AMYLASE

Myriam V. Thoma, PhD, Psychology, Brandeis University, Waltham, Massachusetts, Emily R. Berman, Psychology, Wesleyan University, Middletown, CT, Stephen J. Gray, Psychology, Brandeis University, Waltham, Massachusetts, June A. He, Michelle H. Lerman, Kristen M. Nichols, Marianne F. Specker, Diana Wang, Jutta M. Wolf, PhD, Nicolas Rohleder, PhD, Psychology, Brandeis University, Waltham, MA

164) Abstract 1315

INCREASING HEALTH BY LISTENING TO MUSIC? A STRUCTURAL EQUATION MODEL IN A HEALTHY POPULATION

Myriam V. Thoma, PhD, Psychology, Brandeis University, Waltham, Massachusetts, Urte Scholz, PhD, Urs M. Nater, PhD, Ulrike Ehlert, PhD, Psychology, University of Zurich, Zurich, Zurich, Switzerland

165) Abstract 1767

ASSOCIATIONS BETWEEN SALIVARY ALPHA-AMYLASE AND CATECHOLAMINES - A MULTILEVEL MODELING APPROACH

Urs M. Nater, PhD, Beate Ditzen, PhD, Ulrike Ehlert, PhD, Psychology, University of Zurich, Zurich, Switzerland

166) Abstract 1613

EXAMINING THE ROLE THAT RUMINATION AND ANXIETY HAVE IN CONNECTING LONELINESS WITH POOR SLEEP QUALITY AND PERCEIVED CHRONIC STRESS

Matthew J. Zawadzki, M.S., Psychology, The Pennsylvania State University, University Park, PA, Jennifer E. Graham, PhD, William Gerin, PhD, Biobehavioral Health, The Pennsylvania State University, University Park, PA

167) Abstract 1279

CORTISOL REACTIVITY 15 YEARS AFTER THE NEW BEGINNINGS PROGRAM FOR CHILDREN FROM DIVORCED FAMILIES

Linda J. Luecken, PhD, Melissa J. Hagan, M.A., Nicole E. Mahrer, B.A., Sharlene A. Wolchik, PhD, Irwin N. Sandler, PhD, Jenn-Yun Tien, PhD, Psychology, Arizona State University, Tempe, AZ

168) Abstract 1823

HAIR SAMPLE CORTISOL AND DISTRESS RESPONSES FOLLOWING DEATH OF PEERS ON A UNIVERSITY CAMPUS

Judith P. Andersen, PhD, Billie Koperwas, BS in progress, Psychology, Cornell University, Ithaca, NY, Clemens Kirschbaum, PhD, Lehrstuhl Biopsychologie, Technische Universität Dresden, Dresden, Germany, Roxane C. Silver, PhD, Psychology and Social Behavior, University of California, Irvine, Irvine, CA

169) Abstract 1872

NATURALLY OCCURRING STRESS AND DEPRESSION ARE ASSOCIATED WITH SYMPATHETIC BUT NOT PARASYMPATHETIC RESPONSES TO STRESS.

Stephanie L. Bowlin, BA Psychology, Tara L. Kraft, BA Psychology, Sarah L. Pressman, PhD, Maggie L. Searight, BA in progress, Psychology, University of Kansas, Lawrence, KS

170) Abstract 1375

INCIDENCE RATE AND PREDICTORS OF IRRITABLE BOWEL SYNDROME: A 8-YEAR COHORT STUDY IN JAPAN

Yasushi Fujii, PhD in Human Sciences, Jun KANNO, M.A. in Psychology, Shinobu NOMURA, PhD in Philosophy, MD, Human Sciences, Waseda University, Tokorozawa, Saitama, JAPAN

171) Abstract 1245

SALIVARY CORTISOL AND DHEA-S RESPONSE UNDER ACUTE PSYCHOSOCIAL STRESS IN INDIVIDUALS WITH IRRITABLE BOWEL SYNDROME

Nagisa Sugaya, PhD, Faculty of Human Sciences, Waseda University, Tokorozawa, Saitama, Japan, Shuhei Izawa, PhD, National Institute of Occupational Safety and Health, Kawasaki, Kanagawa, Japan, Kenta Kimura, PhD, Graduate School of Environmental Studies, Nagoya University, Nagoya, Aichi, Japan, Namiko Ogawa, Graduate School of Human Sciences, Waseda University, Tokorozawa, Saitama, Japan, Kosuke C. Yamada, PhD, National Institute of Advanced Industrial Science, Koto-ku, Tokyo, Japan, Kentaro Shiotsuki, PhD, Faculty of Human Relations, Tokai Gakuin University, Kagamihara, Gifu, Japan, Ikuyo Mikami, Kanako Hirata, Graduate School of Human Sciences, Waseda University, Tokorozawa, Saitama, Japan, Yuichiro Nagano, Department of Human Studies, Bunkyo Gakuin University, Fujimino, Saitama, Japan, Shinobu Nomura, MD/PhD, Hironori Shimada, PhD, Faculty of Human Sciences, Waseda University, Tokorozawa, Saitama, Japan

172) Abstract 1376

NEURAL CORRELATES OF EMOTION PROCESSING IN DEPRESSED ADOLESCENTS WITH INFLAMMATORY BOWEL DISEASE PRE AND POST PSYCHOTHERAPY

Eva M. Szegedy, MD, Psychiatry and Pediatrics, Neil Jones, PhD, Jennifer Silk, PhD, Psychiatry, David Benhayon, MD, Psychiatry and Gastroenterology, Margaret A. Kirshner, BA, Melissa Newara, MS, Emily Brickell, BS, Psychiatry, Kyung Hwa Lee, MS, Psychology, Greg Siegle, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

173) Abstract 1850

HIGH ADHERENCE ENHANCES EFFECTS OF MINDFULNESS-BASED STRESS REDUCTION

Michael A. Cohn, PhD, Medicine, Elissa S. Epel, PhD, Psychiatry, Judith T. Moskowitz, PhD, Patricia Moran, PhD, Michael Acree, PhD, Susan Folkman, PhD, Frederick M. Hecht, MD, Medicine, University of California, San Francisco, San Francisco, CA

174) Abstract 1659

PARENTS JUST DON'T UNDERSTAND? PARENTAL SOCIAL SUPPORT AS A MEDIATOR OF STRESS AND QUALITY OF LIFE IN HIV-INDIVIDUALS

Sam H. Deacon, Psychology, University of North Texas, Denton, Texas, Thomas DeSena, Mark Vosvick, PhD, Psychology, University of North Texas, Denton, Texas

175) Abstract 1854

PERCEIVED STRESS AS A MEDIATOR BETWEEN SELF-EFFICACY AND DEPRESSION IN PLH

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176) Abstract 1657

HAZARDOUS DRUG USE AND SEXUAL RISK BEHAVIORS AMONG OFFENDERS WITH SUBSTANCE USE DISORDERS MAINTAINED ON PSYCHOTROPIC MEDICATIONS

Dorothy O. Jackson, M.A., Psychology, University of Alabama at Birmingham, Birmingham, AL, Sylvie Mrug, PhD, Psychology, University of Alabama at Birmingham, Birmingham, AL, Foster Cook, M.A., Psychiatry, University of Alabama at Birmingham, Birmingham, AL, William Beidleman, PhD, Psychiatry, Birmingham Veterans Affairs Medical Center, Birmingham, AL, Karen Cropsey, Psy.D., Psychiatry, University of Alabama at Birmingham, Birmingham, AL

177) Abstract 1091

NONLINEAR LONGITUDINAL ASSOCIATIONS OF DEPRESSIVE SYMPTOMS WITH BLOOD PRESSURE

Mauli Shah, B.A., Psychology, University of Maryland, Baltimore County, Baltimore, MD, Alan B. Zonderman, PhD, Intramural Research Program, National Institute on Aging, NIH, Baltimore, MD, Shari R. Waldstein, PhD, Psychology, University of Maryland, Baltimore County, Baltimore, MD

178) Abstract 1183

PREDICTORS OF ADHERENCE TO HEALTHCARE PROVIDER HYPERTENSION BEHAVIORAL TREATMENT RECOMMENDATIONS: BRFSS 2009 FINDINGS

Eric R. Hanson, M.A., Narineh Hartoonian, M.S., Karen T. Lesniak, PhD, Psychology, Loma Linda University, Loma Linda, CA

179) Abstract 1024

NEURAL CORRELATES OF PROVIDING SUPPORT TO A LOVED ONE

Tristen K. Inagaki, M.A., Naomi I. Eisenberger, PhD, Psychology, University of California, Los Angeles, Los Angeles, CA

180) Abstract 1390

RELATIONSHIP QUALITY AND ALLOSTATIC LOAD IN MIDDLE-AGED AND OLDER ADULTS

Kathryn P. Brooks, M.A., Psychology, Teresa E. Seeman, PhD, Medicine, Division of Geriatrics, UCLA, Los Angeles, CA

181) Abstract 1754

THE IMPORTANCE OF BLOOD STIMULI AND DISGUST IN THE VASOVAGAL RESPONSE: AN EXPERIMENTAL INVESTIGATION.

Philippe T. Gilchrist, M.A., Crystal D. Holly, B.Sc., Blaine Ditto, PhD, Psychology, McGill University, Montreal, Quebec, Canada

182) Abstract 1713

THE ROLE OF APPLIED TENSION IN VASOVAGAL SYNCOPE: CARDIOVASCULAR ACTIVITY OR ANXIETY REDUCTION?

Crystal D. Holly, BSc, Philippe Gilchrist, MA, Blaine Ditto, PhD, Saharnaz Balegh, BSc, Psychology, McGill, Montreal, Quebec, Canada

183) Abstract 1676

ONLINE EXERCISE COACHING VS. ONLINE COGNITIVE BEHAVIORAL THERAPY FOR DEPRESSION: A NATURALISTIC OUTCOMES STUDY

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184) Abstract 1401

SOCIAL CONSTRAINT INCREASES RUMINATION TO RACE-RELATED MALTREATMENT

Jahanara Ullah, M.A., Elizabeth Brondolo, PhD, Psychology, St. John's University, Jamaica, NY, Joseph Schwartz, PhD, Psychiatry and Behavioral Science, Stony Brook University Medical Center, Stony Brook, NY

185) Abstract 1688

DECIPHERING INTERFERON-INDUCED SIGNAL PATHWAYS IN DEPRESSION THROUGH THE STUDY OF HYPER-PHOSPHORYLATED STAT1

Thomas Meyer, Julia Staab, Cardiology, University of Marburg, Marburg, Germany, Christoph Herrmann-Lingen, Psychosomatics, University of Göttingen, Göttingen, Germany

186) Abstract 1689

EXPRESSING MUTANT STAT1 TRANSCRIPTION FACTOR AS AN EXPERIMENTAL APPROACH FOR THE STUDY OF INTERFERON-INDUCED SIGNAL TRANSDUCTION IN DEPRESSION

Thomas Meyer, Psychosomatics, University of Göttingen, Göttingen, Germany, Julia Staab, Cardiology, University of Marburg, Marburg, Germany, Christoph Herrmann-Lingen, Psychosomatics, University of Göttingen, Göttingen, Germany

187) Abstract 1069

RESPIRATORY SINUS ARRHYTHMIA DURING EPISODES OF RELIVED SADNESS: THE ROLE OF EMOTIONAL INTELLIGENCE AND AFFECT INTENSITY

Josh A. Rash, M.Sc.(Candidate), Ken M. Prkachin, PhD, Psychology, University of Northern British Columbia, Prince George, British Columbia, Canada

188) Abstract 1344

RESPIRATORY GAINS DURING A BRIEF INTERVENTION TARGETING HYPERVENTILATION IN BLOOD PHOBIA

Erica S. Ayala, B.A., Thomas Ritz, PhD, Alicia E. Meuret, PhD, Psychology, Southern Methodist University, Dallas, Texas

189) Abstract 1820

NUCLEUS ACCUMBENS ACTIVATION IN RESPONSE TO AN ATTACHMENT FIGURE: REPLICATION AND EXTENSION OF FINDINGS IN COMPLICATED GRIEF

Christian R. Schultze-Florey, Pre-degree MD/PhD, Mary-Frances O'Connor, PhD, Psychiatry, UCLA Cousins Center for Psychoneuroimmunology, Los Angeles, California

190) Abstract 1334

ROLE OVERLOAD AND SOCIAL ROLE DISTRESS IN EARLY INFLAMMATORY ARTHRITIS

Sally S. Mustafa, PhD, Pharmacology, The University of Lahore, Islamabad, Pakistan, Karl J. Looper, MD, Phyllis Zelkowitz, EdD, Psychiatry, Margaret Purden, PhD, Nursing, Murray Baron, MD, Rheumatology, McGill University, Montreal, Quebec, Canada

191) Abstract 1587

OUTCOMES AND PREDICTORS A NOVEL EMOTIONAL AWARENESS AND EXPRESSION TREATMENT FOR CHRONIC PAIN

Amanda J. Burger, PhD, Psychology, Cedarville University, Cedarville, Oh, Howard Schubiner, MD, Internal Medicine, Providence Hospital, Southfield, Michigan, Jennifer N. Carty, B.A., Deborah A. Valentino, B.S., Elyse R. Sklar, B.S., Maren Hyde-Nolan, B.S., Alaa Hijazi, M.A., Mark A. Lumley, PhD, Psychology, Wayne State University, Detroit, Michigan

192) Abstract 1704

SLEEP AS A PREDICTOR OF POST-SURGERY ANALGESIA (PCA) USE

Maren E. Hyde-Nolan, B.S., Psychology, Wayne State University, Detroit, Michigan, Mark A. Lumley, PhD, Psychology, Wayne State University, Detroit, MI, Christina Diederichs, B.A., Timothy A. Roehrs, PhD, Sleep Disorders and Research Center, Henry Ford Health System, Detroit, MI

193) Abstract 1836

COLD PAIN-EVOKED BLOOD PRESSURE RESPONSES ARE DISSOCIATED FROM ACUTE PAIN SENSITIVITY FOLLOWING SUPPRESSION OF ANGER AMONG HEALTHY NORMOTENSIVE PARTICIPANTS

Phillip J. Quartana, PhD, Psychiatry and Neuroscience, Walter Reed Army Institute of Research, Silver Spring, MD, John W. Burns, PhD, Behavioral Sciences, Rush University, Chicago, IL, Stephen Bruehl, PhD, Anesthesiology, Vanderbilt University School of Medicine, Nashville, TN

194) Abstract 1191

ARE SOCIAL SUPPORT AND INVALIDATION INDEPENDENT PREDICTORS OF MENTAL AND PHYSICAL HEALTH IN PATIENTS WITH RHEUMATIC DISEASES?

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195) Abstract 1838

GENDER DIFFERENCES IN PERIPHERAL NEUROPATHY OF THE LOWER EXTREMITY: A POPULATION BASED SURVEY

Sharada Tata, M.S., Stephen J. Morewitz, PhD, & Associates, San Francisco, CA, Stephen Morewitz, PhD, Nursing and Health Sciences, California State University, East Bay, San Francisco, CA, Joel Clark, D.P.M., Podiatric Surgery, St. Mary's Medical Center, California School of Podiatric Medicine, San Francisco, CA

196) Abstract 1798

THE RELATIONSHIP BETWEEN SYMPTOM SEVERITY AND PHYSICAL ACTIVITY IN FIBROMYALGIA: THE ROLE OF MODERATION

John E. Schmidt, PhD, Scott E. Feeder, MS, Psychiatry and Psychology, Ann Vincent, MD, General Internal Medicine, Michael J. Joyner, MD, Anesthesiology, Mayo Clinic, Rochester, MN

197) Abstract 1333

DAILY PHYSICAL COMPLAINTS AND ACTIVITY IN THE HIPPOCAMPAL FORMATION IN RESPONSE TO PAIN MODULATION MEDIATED BY ANXIETY

Motoharu Gondo, Psychosomatic Medicine, University of Kyushu, Fukuoka, Japan, Yoshiya Moriguchi, Psychophysiology, Noriko Sato, Radiology, National Center of Neurology and Psychiatry, Tokyo, Japan, Nobuyuki Sudo, Psychosomatic Medicine, University of Kyushu, Fukuoka, Japan, Gen Komaki, Psychosomatic Research, National Center of Neurology and Psychiatry, Tokyo, Japan

198) Abstract 1772

MAKING THE BIOLOGICAL CONNECTION BETWEEN SLEEP AND PRETERM BIRTH: A PRELIMINARY LOOK

Michele L. Okun, PhD, Psychiatry, Jim Luther, EDC, Stephen Wisniewski, PhD, Epidemiology, Katherine L. Wisner, MD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

199) Abstract 1085

THE SLEEPINESS OF OBSTRUCTIVE SLEEP APNEA PATIENTS IS MODIFIED BY THEIR DEPRESSIVE SYMPTOMS

Reiko Hori, Health and Psychosocial Medicine, Ryujiro Sasanabe, Toshiaki Shiomi, Sleep Medicine, Fumio Kobayashi, Health and Psychosocial Medicine, Aichi Medical University School of Medicine, Nagakute, Aichi, Japan

200) Abstract 1624

DOES ANXIETY AND DEPRESSION INCREASE THE RISK FOR EXACERBATION IN PATIENTS WITH COPD? A SYSTEMATIC REVIEW AND A META-ANALYSIS

Gregory Moullec, PhD, Catherine Laurin, PhD, Simon L. Bacon, PhD, Kim L. Lavoie, PhD, Exercise Science, Psychology, Medecine, Univ. of Concordia, UQAM, Univ. of Montreal, Montreal, Canada

201) Abstract 1149

ECOLOGICAL MOMENTARY ASSESSMENT (EMA): A NEW WAY TO EVALUATE PSYCHOLOGICAL IMPACT OF PULMONARY REHABILITATION IN COPD PATIENTS?

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202) Abstract 1336

THE ASSOCIATION BETWEEN TYPE D PERSONALITY AND ADULT ASTHMA IN A COMMUNITY SAMPLE

Adrian Loerbroks, PhD, Mannheim Institute of Public Health, Heidelberg University, Mannheim, Germany, Antoinette M. Pommer, MSc, Paula MC Mommersteeg, PhD, Center of Research on Psychology in Somatic Diseases, Tilburg University, Tilburg, The Netherlands

203) Abstract 1743

SALIVARY PROTEINS AND LEUKOTRIENE B4 LEVELS DURING PSYCHOSOCIAL STRESS TESTING IN ASTHMATICS AND HEALTHY INDIVIDUALS

Ana F. Trueba, BS, Psychology, Pia Vogel, PhD., Biochemistry, Thomas Ritz, PhD., Psychology, Southern Methodist University, Dallas, TX

204) Abstract 1305

ASSOCIATIONS BETWEEN CHILDHOOD ASTHMA AND PARENTING STYLES: A PROSPECTIVE STUDY

Crista N. Crittenden, MPH, Sheldon Cohen, PhD, Psychology, Carnegie Mellon University, Pittsburgh, PA, Patrick T. Davies, PhD, Clinical and Social Psychology, University of Rochester, Rochester, NY, Dante Cicchetti, PhD, Institute of Child Development, University of Minnesota, Minneapolis, MN

205) Abstract 1122

PRE-OPERATIVE ILLNESS PERCEPTIONS ARE ASSOCIATED WITH HEALTH STATUS FOLLOWING CARDIAC SURGERY

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206) Abstract 1643

PERCUTANEOUS CORONARY INTERVENTION PREDICTS ANXIETY SEVERITY AMONG PATIENTS WITH IMPLANTABLE CARDIOVERTER DEFIBRILLATORS

Julia D. Betensky, M.S., Richard J. Contrada, Ph.D, Jan Mohlman, PhD, Psychology, Rutgers, The State University of New Jersey, Piscataway, NJ

207) Abstract 1352

THE COSTS AND BENEFITS OF CHILDREN EATING FISH: LIPIDS, MERCURY, AND HEALTH

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208) Abstract 1365

PERFLUORO-CHEMICAL (PFC) EXPOSURE IN CHILDREN: ASSOCIATIONS WITH IMPAIRED RESPONSE INHIBITION AND RISKY BEHAVIOR

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209) Abstract 1116

HYPOTHALAMIC-PITUITARY-ADRENAL DYNAMICS IN FUNCTIONAL SOMATIC DISORDERS: A SYSTEMS APPROACH TO ASSESSING ALLOSTASIS

Kirstin E. Aschbacher, PhD, Psychiatry, University of California San Francisco, San Francisco, CA, Emma K. Adam, PhD, Human Development and Social Policy, Northwestern University, Evanston, IL, Margaret E. Kemeny, PhD, Psychiatry, University of California San Francisco, San Francisco, CA, Leslie J. Crofford, MD, Department of Internal Medicine, University of Kentucky, Lexington, KY, Mark Demitrack, MD, Neuronetics, Inc., Malvern, PA, Amos Ben-Zvi, PhD, Chemical and Materials Engineering, University of Alberta, Edmonton, AB, Canada

210) Abstract 1414

THE CHRONIC STRESS OF CAREGIVING IS ASSOCIATED WITH INCREASED OXIDATIVE DAMAGE TO RNA/DNA

Kirstin Aschbacher, PhD, Psychiatry, University of California San Francisco, San Francisco, CA, Firdaus Dhabhar, PhD, Psychiatry & Behavioral Sciences, Stanford University, Stanford, CA, Yali Su, PhD, Kronos Science, Phoenix, AZ, Owen M. Wolkowitz, MD, Eli Puterman, PhD, Psychiatry, Synthia Mellon, PhD, Department of Obstetrics, Gynecology & Reproductive, Elissa Epel, PhD, Psychiatry, University of California San Francisco, San Francisco, CA

211) Abstract 1370

AGONISTIC STRIVING, EVERYDAY SELF-REGULATION, AND BLOOD PRESSURE: A MODERATION ANALYSIS

Jessica H. Schoolman, BA, Gavin J. Elder, MA, Mariam Parekh, BA, Craig K. Ewart, PhD, Psychology, Syracuse University, Syracuse, NY

212) Abstract 1100

RELATIONSHIP OF RESTING DIASTOLIC FUNCTION AND STRESS INDUCED LEFT VENTRICULAR DYSFUNCTION IN PATIENTS WITH STABLE CORONARY HEART DISEASE

Wei Jiang, MD, Medicine and Psychiatry & Behavioral Sciences, Litong Qi, MD, Cardiology, Carolyn M. Martsberger, PhD, Biological Psychiatry, Zainab Samad, MD, Joseph Rogers, MD, Cardiology, Redford Williams, MD, Behavioral Psychiatry and Medicine, Ranga Krishnan, MD, Psychiatry and Behavioral Sciences, Christopher M. O'Connor, MD, Eric J. Velazquez, MD, Cardiology, Duke University, Durham, NC

213) Abstract 1763

SUCCESSFUL BEHAVIORAL INTERVENTION TRIALS FOR CORONARY HEART DISEASE. DO THEY DIFFER BETWEEN MEN AND WOMEN?

Kristina Orth-Gomer, PhD, Christina Waldin, PhD, May Blom, PhD, Osher Center, Karolinska Institutet, Stockholm, Sweden, Frank Zimmermann-Viehoff, Hans-Christian Deter, MD, Psychosomatic Medicine, Charité Universitätsmedizin, Berlin, Germany

214) Abstract 1144

RESTING STATE BRAIN CORRELATES OF BAROREFLEX FUNCTION

Victoria Egizio, M.S., Psychology, Israel Christie, PhD, Psychiatry, Ike Onyewuenyi, BA, Psychology, Lei Sheu, PhD, John Ryan, PhD, Peter Gianaros, PhD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

215) Abstract 1739

MINDFULNESS BASED MEDITATION RESULTS IN IMPROVED SUBJECTIVE EMOTIONAL ASSESSMENT AMONG PATIENTS WITH CORONARY ARTERY DISEASE: RESULTS FROM THE MINDFULNESS BASED STRESS REDUCTION STUDY

Ambar Kulshreshtha, MD, Catherine Norton, MD, Emir Veledar, PhD, Cardiology, Emory University, Atlanta, GA, Gina Eubanks, Public Health, University of South Florida, Tampa, Florida, David Sheps, MD, Cardiology, Emory University, Atlanta, GA

216) Abstract 1758

SLEEP AND MARKERS OF LOW GROWTH HORMONE AS MEDIATORS BETWEEN DEPRESSIVE SYMPTOMS AND INFLAMMATORY DISEASES

Elissa H. Patterson, PhD, Psychiatry, Boston University School of Medicine, Boston, MA, Martha K. McClintock, PhD, Psychology, University of Chicago, Chicago, IL

217) Abstract 1397

THE INFLUENCE OF DEPRESSION, ANTI-DEPRESSANT MEDICATION ON MORTALITY IN A SAMPLE OF PORTUGUESE HEART FAILURE PATIENTS, AT 1-YEAR FOLLOW-UP

Margarida Fontelongo Bento, master, Internal Medicine, H.São Francisco Xavier, Faculty Ciências Médicas, UL, Lisbon, Portugal, Cândida Fonseca, PhD, Internal Medicine, H.São Francisco Xavier, Faculty Ciências Médicas, UN, Lisbon, Portugal, Filipa Marques, MD, Internal Medicine, H.São Francisco Xavier, Faculty Ciências Médicas, UN, Lisbon, Portugal, Arturo Botella, MD, Internal Medicine, H.São Francisco Xavier, Faculty Ciências Médicas, UL, Lisbon, Portugal, Ana Leitão, MD, Internal Medicine, H.São Francisco Xavier, Faculty Ciências Médicas, UN, Lisbon, Portugal, Ricardo Gusmão, PhD, Psychiatry, Faculty Ciências Médicas, UN, Lisbon, Portugal, William Gerin, PhD, Biobehavioral Health, University Pennsylvania, Pennsylvania, Paul J. Mills, PhD, Psychiatry, University California, San Diego, Fátima Ceia, PhD, Internal Medicine, H.São Francisco Xavier, Faculty Ciências Médicas, UN, Lisbon, Portugal

218) Abstract 1709

THE IMPACT OF VITAL EXHAUSTION, DEPRESSED MOOD AND FATIGUE ON CORONARY ATHEROSCLEROSIS PROGRESSION IN YOUNGER WOMEN AFTER AN ACUTE CORONARY EVENT

Frank Zimmermann-Viehoff, MD, Psychosomatic Medicine, Charité Universitätsmedizin, Berlin, Germany, Huixin Wang, PhD, Public Health Science, Karolinska Institutet, Stockholm, Sweden, Richard Kirkeeide, MD, Health Science, University of Texas, Houston, Texas, Neil Schneiderman, PhD, Psychology, University of Miami, Miami, Florida, Laurence Erdur, Psychosomatic Medicine, Charité Universitätsmedizin, Berlin, Germany, Kristina Orth-Gomer, PhD, Department of Public Health Science, Karolinska Institutet, Stockholm, Sweden

219) Abstract 1435

BERLIN ANXIETY INTERVENTION TRIAL (BAT) IN PATIENTS WITH CORONARY HEART DISEASE (CHD)

Hans-Christian Deter, Prof.MD., Melanie Merswolken, Dipl.Psych, Sabine Siebenhüner, Dipl.Psych., Psychosomatic, Charité, Berlin, Germany, Kristina. Orth-Gomér, Prof., Clinical Neurosciences, Karolinska Institut, Stockholm, Sweden

220) Abstract 1597

TYPE D PERSONALITY, DISEASE SEVERITY AND CARDIOVASCULAR RISK FACTORS IN ICELANDIC CORONARY ARTERY DISEASE PATIENTS.

Erla Svansdottir, cand. psych, Krista C. Van den Broek, PhD, CoRPS- Department of Medical Psychology, Tilburg University, Tilburg, The Netherlands, Hrobjartur D. Karlsson, MD, Department of Cardiology, Icelandic Heart Association, Kópavogur, Iceland, Thorarinn Gudnason, MD, Department of Cardiology, Landspítali University Hospital, Reykjavik, Iceland, Johan Denollet, PhD, CoRPS- Department of Medical Psychology, Tilburg University, Tilburg, The Netherlands

221) Abstract 1630

RUMINATION AS A DEPRESSION VULNERABILITY AFTER ACUTE CORONARY SYNDROME

Ellen-ge D. Denton, PsyD, Department of Medicine, Columbia University, New York, New York, Nina Rieckmann, PhD, Department of Health Psychology, Free University Berlin, Berlin, Germany, Chaplin William, PhD, Psychology, St. Johns University, Jamaica, New York, Karina W. Davidson, PhD, Department of Medicine, Columbia University, New York, New York

222) Abstract 1719

PHYSICAL AFFECTION IN MARRIAGE AND RISK FACTORS FOR CARDIOVASCULAR DISEASE

Bryan Jensen, B.S., Julianne Holt-Lunstad, PhD, Patrick R. Steffen, PhD, Psychology, Jonathan Sandberg, PhD, Family Life, School of, Rondi Jenson, B.S., David Marsh, Psychology, Brigham Young University Provo (1100102212), Provo, Utah

223) Abstract 1265

PERSONALITY DIMENSIONS AND MOOD SYMPTOMS IN RELATION TO HEALTH RELATED QUALITY OF LIFE IN PATIENTS WITH CORONARY ARTERY DISEASE

Juste Buneviciute, BS, Psychiatry, Univerisy of North Carolina at Chapel Hill, Chapel Hill, NC, Margarita Staniute, PhD, Robertas Bunevicius, MD/PhD, Institute of Psychophysiology and Rehabilitation, Palanga, Lithuania

224) Abstract 1349

NEGATIVE EMOTIONS AND POOR RELATIONSHIPS ARE ASSOCIATED WITH AN INCREASED NUMBER OF METABOLIC RISK FACTORS IN ADOLESCENTS

Aimee J. Midei, M.S., Psychology, Martica H. Hall, PhD, Karen A. Matthews, PhD, Psychiatry and Psychology, University of Pittsburgh, Pittsburgh, PA

225) Abstract 1301

INTEREST IN QUALITY OF LIFE COUNSELING FOR ATRIAL FIBRILLATION PATIENTS

Sabine N. Johnson, M.Sc., Psychology, York University, Toronto, ON, Canada, Yaariv Khaykin, MD, Cardiology, Southlake Regional Health Centre, Newmarket, ON, Canada, Brian Baker, MBChB, Division of Behavioural Sciences & Health, Toronto General Research Institute, Toronto, ON, Canada, Jane Irvine, PhD, Psychology, York University, Toronto, ON, Canada

226) Abstract 1328

ASSOCIATION BETWEEN DEPRESSIVE AND ANXIETY DISORDERS AND PERIODONTAL DISEASE: ANALYSIS OF 1999-2004 NHANES DATA

Tasneem Khambaty, B.S., Jesse C. Stewart, PhD, Psychology, Indiana University Purdue University Indianapolis, Indianapolis, Indiana

227) Abstract 1240

ENVIRONMENTAL INFLUENCES ON CARDIOVASCULAR DISEASE RISK: OBJECTIVE VERSUS SUBJECTIVE NEIGHBORHOOD CHARACTERISTICS IN RELATION TO METABOLIC SYNDROME FACTORS IN MEXICAN-AMERICAN WOMEN

Smriti Shivpuri, M.S., Joint Doctoral Program in Clinical Psychology, San Diego State Univ/Univ of California, San Diego, San Diego, CA, Linda C. Gallo, Ph.D, Joint Doctoral Program in Clinical Psychology, San Diego State Univ/Univ of California, San Diego, San Diego, California, Karla Espinosa de los Monteros, M.S., Joint Doctoral Program in Clinical Psychology, San Diego State Univ/Univ of California, San Diego, San Diego, CA, Addie L. Fortmann, M.S., Joint Doctoral Program Clinical Psychology, San Diego State Univ/Univ of California San Diego, San Diego, California, Gregory Talavera, MD, Graduate School of Public Health, San Diego State University, San Diego, CA, Karen A. Matthews, PhD, Department of Psychiatry, University of Pittsburgh, Pittsburgh, PA

228) Abstract 1225

BETA BLOCKADE DOES NOT PROTECT AGAINST THE HEMOCONCENTRATING EFFECTS OF MENTAL STRESS

Jet Veldhuijzen van Zanten, PhD, Sport and Exercise Sciences, University of Birmingham, Birmingham, United Kingdom, Paul J. Mills, PhD, Psychiatry and Behavioral Medicine, University of California, San Diego, San Diego, California, Natalie E. Riddell, PhD, Sport and Exercise Sciences, University of Birmingham, Birmingham, United Kingdom, Kate M. Edwards, PhD, Psychiatry and Behavioral Medicine, University of California, San Diego, San Diego, California, Roland von Kanel, MD, General Internal Medicine, University of Bern, Bern, Switzerland, Brigitte M. Kudielka, PhD, Jacobs Center on Lifelong Learning & Institutional D, Jacobs University Bremen, Bremen, Germany, Joachim E. Fischer, MD, Public Health & Social Medicine, Heidelberg University, Mannheim, Germany, Jos A. Bosch, PhD, Sport and Exercise Sciences, University of Birmingham, Birmingham, United Kingdom

229) Abstract 1217

ASSOCIATION OF INFLAMMATION WITH FUTURE DISEASE-RELATED QUALITY OF LIFE IN HEART FAILURE PATIENTS

Jessica A. Jiménez, MA, SDSU/UCSD Doctoral Program in Public Health, Meredith A. Pung, PhD, Laura S. Redwine, PhD, Suzi Hong, PhD, Psychiatry, University of California, San Diego, La Jolla, California, Petra H. Wirtz, PhD, Clinical Psychology and Psychotherapy, University of Zürich, Zürich, Switzerland, Joel E. Dimsdale, MD, Psychiatry, University of California, San Diego, La Jolla, California, Barry H. Greenberg, MD, Medicine, University of California, San Diego, San Diego, California, Paul J. Mills, PhD, Psychiatry, University of California, San Diego, La Jolla, California

230) Abstract 1180

EXPLORING THE HEMODYNAMIC EFFECTS OF STATE PERSEVERATIVE COGNITION

LaBarron K. Hill, M.A., Psychology, The Ohio State University, Columbus, OH, Dewayne P. Williams, Psychology, The Ohio State University, Columbus, Ohio, Dixie D. Hu, B.S., Psychology, The Ohio State University, Columbus, OH, John J. Sollers, III, PhD, Psychological Medicine, University of Auckland, Auckland, New Zealand, Julian F. Thayer, PhD, Psychology, The Ohio State University, Columbus, OH

231) Abstract 1699

PHYSICAL ACTIVITY AS A MODERATOR OF THE ASSOCIATION OF PERCEIVED STRESS WITH SYSTEMIC INFLAMMATION

Alvin Lim, BSc, Anna L. Marsland, PhD, Psychology, Matthew F. Muldoon, MD, Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

232) Abstract 1784

THE ADVANTAGE OF MARITAL STATUS IN CARDIAC SURGERY

Lori E. Stone, BS, Sari D. Holmes, PhD, Lisa M. Martin, PhD, Sharon L. Hunt, MBA, Linda L. Henry, PhD, Niv Ad, MD, Cardiac Surgery Research, Inova Heart and Vascular Institute, Falls Church, VA

233) Abstract 1777

CARDIAC AUTONOMIC REGULATION AND DEPRESSIVE SYMPTOMOLOGY IN A HEALTHY COLLEGE SAMPLE

Larry D. Keen II, M.S., Psychology, Howard University, Hyattsville, MD, Jules Harrell, PhD, Denee Mwendwa, PhD, Alfonso Campbell Jr., PhD, Psychology, Howard University, Washington, D.C.

234) Abstract 1819

ANXIETY DISORDERS AND CAROTID INTIMA MEDIA THICKNESS AMONG WOMEN IN MIDLIFE

Sanam S. Dhaliwal, MSc, Psychology, Joyce T. Bromberger, PhD, Epidemiology and Psychiatry, Carolyn Gibson, MPH, Psychology, Rebecca Thurston, PhD, Epidemiology and Psychiatry, Karen A. Matthews, PhD, Psychiatry, Psychology & Epidemiology, University of Pittsburgh, Pittsburgh, PA

235) Abstract 1791

THE EFFECT OF ANXIETY DISORDERS AND INSULINE RESISTANCE ON MUSCULAR HYPEREMIC UPTAKE

Bernard Meloche, college, Nuclear medicine, Montreal heart Institut, MONTREAL, QC, Canada, Lynn Jolicoeur, college, Nuclear medicine, Montreal heart Institut, MONTREAL, QC, CAN, Andre Arseneault, Doctor, Nuclear medicine, Montreal heart Institut, MONTREAL, QC, Canada, Simon L. Bacon, PhD, Department of Exercise Science, Concordia University, MONTREAL, QC, Canada, Kim L. Lavoie, PhD, Dept. of Psychology, University of Quebec at Montreal, MONTREAL, QC, Canada

236) Abstract 1782

HOSTILITY, SYMPTOM SEVERITY, AND FUNCTIONAL STATUS IN PATIENTS WITH HEART FAILURE

Kristie M. Harris, BS, Andrew J. Wawrzyniak, PhD, Nadine S. Bekkouche, BSc, Kerry S. Whittaker, MS, Sarah M. Godoy, BA, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD, Willem J. Kop, PhD, Stephen S. Gottlieb, MD, Division of Cardiology, University of Maryland School of Medicine, Baltimore, MD, David S. Krantz, PhD, Medical and Clinical Psychology, Uniformed Services University of the Health Sciences, Bethesda, MD

237) Abstract 1615

IS THE IMPACT OF AGONISTIC STRIVING ON BLOOD PRESSURE MAGNIFIED BY IMPAIRED BEHAVIORAL ACTIVATION?

Mariam Parekh, Bachelors of Arts, Gavin Elder, MS, Jessica Schoolman, BA, Craig K. Ewart, PhD, Psychology, Syracuse University, Syracuse, NY

238) Abstract 1620

A PROSPECTIVE STUDY OF PSYCHIATRIC TREATMENT RECEIVED BY PATIENTS WITH NON-CAD CHEST PAIN AND REASSURANCE FOLLOWING NEGATIVE TESTING

Kamila S. White, PhD, Diane L. Rosenbaum, MA, Jared I. Israel, BS, Psychology, University of Missouri-Saint Louis, Saint Louis, MO, Ernest V. Gervino, ScD, Cardiovascular Division, Beth Israel Deaconess Med Cntr, Harvard Med Sch, Boston, MA, Gregory S. Sayuk, MD, Gastroenterology, Washington University School of Medicine, Saint Louis, MO

239) Abstract 1061

EFFECTS OF AEROBIC FITNESS AND ADIPOSITY ON BIOMARKERS OF A HYPERCOAGULABLE STATE

Kathleen L. Wilson, MS, Psychiatry, University of California San Diego, La Jolla, CA, Lianne Tomfohr, MS, Psychology, SDSU & UCSD Joint Doctoral Program, San Diego, CA, Kate Edwards, PhD, Psychiatry, University of California San Diego, La Jolla, CA, Cindy Knott, BS, Clinical and Translational Research Institute, University of California San Diego, San Diego, CA, Suzi Hong, PhD, Psychiatry, University of California San Diego, La Jolla, CA, Roland von Kanel, MD, Department of General Internal Medicine, Bern University Hospital, Bern, Switzerland, Paul J. Mills, PhD, Psychiatry, University of California San Diego, La Jolla, CA

6:30 - 7:30 pm

SPECIAL INTEREST GATHERINGS

Salon I

Clinician's Interests

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

Ethnic Disparities

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

Intervention

This special interest gathering will provide researchers currently working in the area of biobehavioral/ psychosomatic intervention research and/or delivery an opportunity to meet with colleagues in an informal setting.

Neuroscience and Psychosomatic Medicine

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

Psychoneuroimmunology

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

Saturday, March 12, 2011

6:45 am - 5:00 pm

REGISTRATION*Salon E Foyer*

A light continental breakfast will be served from 6:45 to 8:00 am.

7:00 - 8:00 am

COMMITTEE MEETINGS

2011/2012 Program Committee Meeting

Conference Room 7

Minority Initiative Meeting

Conference Room 9

8:00 - 8:55 am

APS BUSINESS MEETING*Salon E*

The APS Business Meeting is open to all members and will feature 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.

9:00 - 9:55 am

CONCURRENT SESSIONS
Invited Presentation: PROMIS®: Improved Patient Reported Outcomes for Clinical Research
*Conference Room 1-4**Chair: Douglas Delahanty, PhD**Presenter: Arthur A. Stone, PhD**Arthur A. Stone, PhD*

The Patient Reported Outcome Measurement and Information System (PROMIS) is a major NIH collaboration among many universities and organizations. Its goal is the development of reliable, precise, and flexible Patient Reported Outcomes (PROs) for clinical research, with an emphasis on outcomes for chronic diseases. Using the latest psychometric techniques, this effort has produced self-report item banks, short-forms, and computer adaptive tests for pain, fatigue, social functioning, emotional functioning, physical functioning, and sleep, with other domains in development. Many PROMIS domains are available for both adults and children. This presentation will discuss the methods used to produce PROMIS item banks and scales, will present the various forms of administration that are available (computer, paper-and-pencil, IVR, PDA), show data supporting the psychometric qualities of the instruments, and describe the Assessment Center, which is a free resource available to researchers to collect and manage self-report data on the Internet. The PROMIS tools are relevant for much of the research conducted by APS members, and this presentation will highlight the advantages of using PROMIS instruments.

Paper Session: Psycho-oncology
*Conference Room 17-18**Chair: Maida Sewitch, PhD***Abstract 1347**
PRETREATMENT PSYCHOSOCIAL FACTORS PREDICT QUALITY OF LIFE (QOL) AFTER BRIEF PRESURGICAL STRESS MANAGEMENT

Chelsea D. Gilts, BA, Clinical Psychology, University of Houston, Houston, Texas, Patricia A. Parker, PhD, Behavioral Science, Curtis A. Pettaway, MD, Urology, Lorenzo Cohen, PhD, Behavioral Science, The University of Texas MD Anderson Cancer Center, Houston, Texas

Abstract 1388
IMPACT OF CARDIOVASCULAR COMORBIDITY ON OVARIAN CANCER OUTCOME

Eileen H. Shinn, PhD, Behavioral Science, University of TX M. D. Anderson Cancer Center, Houston, Texas, Daniel J. Lenihan, MD, Division of Cardiovascular Medicine, Vanderbilt University Medical Center, Nashville, Tennessee, Diana L. Urbauer, M.S., Quantitative Sciences, Myrshia L. Woods, P.A., Cardiology, Alpa M. Nick, MD, Gynecologic Oncology, Karen Basen-Engquist, PhD, Behavioral Science, Anil K. Sood, MD, Gynecologic Oncology, University of TX M. D. Anderson Cancer Center, Houston, TX

Abstract 1113
FATIGUE IS ASSOCIATED WITH LOWER PARASYMPATHETIC TONE IN BREAST CANCER SURVIVORS

Christopher P. Fagundes, PhD, Institute for Behavioral Medicine Research, The Ohio State University, Columbus, OH, David M. Murray, PhD, Epidemiology and Biostatistics, The Ohio State University, Columbus, Ohio, Beom Seuk Hwang, M.S., Statistics, Jean-Philippe Gouin, M.A., Institute for Behavioral Medicine Research, Julian F. Thayer, PhD, Psychology, The Ohio State University, Columbus, OH, John J. Sollers III, PhD, Psychological Medicine, University of Auckland, Auckland, New Zealand,

Charles L. Shapiro, MD, Internal Medicine, The Ohio State University, Columbus, OH, William B. Malarkey, MD, Internal Medicine, The Ohio State University, Columbus, OH, Janice K. Kiecolt-Glaser, PhD, Institute for Behavioral Medicine Research, The Ohio State University, Columbus, OH

Paper Session: Immune Function and Depression

Salon C

Chair: Michele Okun, PhD

Abstract 1651

A GENETIC PREDISPOSITION TO PRODUCE LOW LEVELS OF IL-10 IMPACTS DEPRESSIVE SYMPTOMS: A PILOT STUDY OF PATIENTS WITH END STAGE RENAL DISEASE

Susan Holtzman, PhD, Psychology, University of British Columbia, Kelowna, BC, Canada, Susan E. Abbey, MD, Psychiatry, University of Toronto, Toronto, ON, Canada, Joanne M. Bargman, MD, Christopher Chan, MD, Nephrology, University Health Network, University of Toronto, Toronto, ON, Canada, Donna E. Stewart, MD, Psychiatry, Women's Health, University of Toronto, Toronto, ON, Canada

Abstract 1326

REPEATED EXPERIENCE OF DEPRESSIVE SYMPTOMS AND WHITE BLOOD CELL COUNT IN PATIENTS WITH CORONARY HEART DISEASE: DATA FROM THE HEART AND SOUL STUDY.

Hester E. Duivis, MSc, Center of Research on Psychology in Somatic diseases, Tilburg University, Tilburg, Noord Brabant, The Netherlands, Peter de Jonge, PhD, Department of Psychiatry, University Medical Center Groningen, Groningen, Groningen, The Netherlands, Brenda W. Penninx, PhD, Department of Psychiatry, VU University Medical Center, Amsterdam, Noord Holland, The Netherlands, Bee Ya Na, MPH, VA Medical Center, San Francisco, CA, Nina Kupper, PhD, Center of Research on Psychology in Somatic diseases, Tilburg University, Tilburg, Noord Brabant, The Netherlands, Mary A. Whooley, MD, Department of Medicine, University of California, San Francisco, CA

Abstract 1799

BIOLOGICAL MECHANISMS DISTINGUISHING DEPRESSION AND COMPLICATED GRIEF: CIRCULATING IL-6.

Mary-Frances O'Connor, PhD, Cousins Center for Psychoneuroimmunology, UCLA, Los Angeles, CA, Katherine Shear, MD, Psychiatry, Columbia University School of Social Work, New York, NY

Paper Session: Depression, Anxiety, and Cardiopulmonary Disease

Salon D

Chair: Oliver Cameron, MD

Abstract 1396

ANXIETY AND HEART RATE VARIABILITY IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE

Sooyeon Suh, PhD, Psychiatry, Stanford University, Redwood City, CA, Charles F. Emery, PhD, Psychology, Ohio State University, Columbus, OH, John J. Sollers III, PhD, Psychological Medicine, University of Auckland, Auckland, New Zealand, Robert J. Ellis, PhD, Neurology, Harvard Medical School, Boston, MA, Julian F. Thayer, PhD, Psychology, Ohio State University, Columbus, OH

Abstract 1193

CHRONIC RESPIRATORY DISEASE AND MENTAL HEALTH: THE GUANGZHOU BIOBANK COHORT STUDY

Adrian Loerbroks, PhD, Mannheim Institute of Public Health, Heidelberg University, Mannheim, Germany, Chao Qiang Jiang, MD, Guangzhou No. 12 People's Hospital, Guangzhou, Guangzhou, People's Republic of China, Kin-bong H. Lam, PhD, Institute of Occupational and Environmental Medicine, Jos A. Bosch, PhD, School of Sport and Exercise Sciences, G N. Thomas, PhD, Public Health, Epidemiology, and Biostatistics, University of Birmingham, Birmingham, UK, Wei Sen Zhang, MD, PhD, Guangzhou No. 12 People's Hospital, Guangzhou, Guangzhou, People's Republic of China, Kar Keung Cheng, PhD, Public Health, Epidemiology, and Biostatistics, University of Birmingham, Birmingham, UK, Tai Hing Lam, MD, School of Public Health, University of Hong Kong, Hong Kong, Hong Kong, Peymané Adab, MD, Public Health, Epidemiology, and Biostatistics, University of Birmingham, Birmingham, UK

Abstract 1857

THE INFLUENCE OF PATIENT AND CAREGIVER CATASTROPHIZING ON PATIENT DEPRESSIVE SYMPTOMS IN THE CONTEXT OF ORGAN TRANSPLANTATION

Susan B. Holtzman, PhD, Psychology, University of British Columbia, Kelowna, BC, Canada, Lianne G. Singer, MD, Respiratory, Donna E. Stewart, MD, Psychiatry, Women's Health, Heather J. Ross, MD, Cardiology, Susan E. Abbey, MD, Psychiatry, Multi Organ Transplant, University Health Network, University of Toronto, Toronto, ON, Canada

10:15 - 11:30 am

AWARDS TALK SERIES I



Shelley Taylor, PhD

Patricia R. Barchas Award: Pathways Linking Social Support to Health*Chair: Annette Stanton, PhD**Presenter: Shelley Taylor, PhD*

Shelley Taylor will present ongoing research from her laboratory linking aspects of the social environment to genetic, neural, and neuroendocrine processes that are prognostic for health.

Paul D. MacLean Award: Order and Disorder in the Emotional Brain*Chair: Richard Lane, MD, PhD**Presenter: Richard J. Davidson, PhD*

Emotions are at the core of human personality, they define each person's uniqueness and they shape resilience and vulnerability to adversity. Perhaps the single most salient characteristic of emotion is the variability across individuals in how each responds to emotional cues and challenges. This variability is termed "affective style." Different parameters of affective style can be objectively measured and are instantiated in different underlying neural circuits. Activation patterns assessed with neuroimaging, particularly those involving interactions between sectors of the prefrontal cortex and subcortical structures implicated in emotion, are related to different parameters of affective style and are consistent over time within individuals. Specific patterns of brain activity are related to vulnerability to particular types of disorders. Moreover, patterns of central brain function are related to peripheral biological systems that play a role in physical health and illness. Despite their consistency over time within individuals, these patterns of neural activity are not immutable to change but rather can be transformed through systematic mental training such as meditation. The literature on neuroplasticity provides a framework for understanding these changes. This latter body of evidence supports the view that happiness, well-being and emotional balance are best regarded as the product of trainable skills.



Richard J. Davidson, PhD

11:30 am - 12:45 pm

ROUNDTABLES/ MEETINGS (or lunch on your own)

The Emergence of Contemplative Neuroscience*Conference Room 9**Facilitator: Richard Davidson, PhD*

This roundtable will provide an opportunity to discuss the recent emergence of rigorous neuroscientific research on the impact of contemplative practice on the brain and behavior. Recent trends and future challenges and opportunities in this area will be highlighted.

Mechanisms of Biobehavioral Processes and Health:*Conference Room 7***The Contributions of Psychophysiology and Psychosomatic Medicine***Facilitators: Kristen Salomon, PhD; Mustafa al'Absi, PhD; David A. Sbarra, PhD; Eco J.C. deGeus, PhD; and J. Richard Jennings, PhD*

The aim of this roundtable discussion is to continue to foster links between the American Psychosomatic Society (APS) and the Society for Psychophysiological Research (SPR). This APS session serves as a continuation of 2010 APS-SPR roundtable discussions at APS in Portland, Oregon and SPR in Berlin, Germany. This year, the roundtable will serve as format to discuss methodological developments as well as big questions facing the major areas of Psychophysiology and Psychosomatic Medicine. The roundtable will consist of five sub-area tables focused on a particular methodology: Cardiovascular, Endocrine, Immune, Neuroimaging, and Genetics. Each table will have an area expert to serve as the facilitator. These researchers work at the interface of classic psychophysiology and contemporary psychosomatic medicine, and the roundtable discussion will highlight not only tools of the trade, but also novel and emerging routes for creating more integrative science. Scientists at any career states are welcome, but we especially encourage participation by graduate students and early-career investigators who are beginning to focus their work at the intersection of these two fields.

Membership Committee Meeting*Conference Room 10*

12:45 - 2:00 pm

AWARDS TALK SERIES II

*Salon E***Herbert E. Weiner Early Career Award: Why Rejection Hurts: An Examination of the Shared Mechanisms Underlying Physical and Social Pain***Chair: Shelley Taylor, PhD**Presenter: Naomi Eisenberger, PhD*

Numerous languages characterize 'social pain,' the feelings resulting from social rejection or loss, with words typically reserved for describing physical pain ("broken hearts," "hurt feelings") and perhaps for good reason. It has been suggested that, in mammalian species, the social attachment system borrowed the computations of the physical pain system in order to prevent the potentially harmful consequences of social separation. In this talk, I will use a combination of behavioral and



Naomi Eisenberger, PhD



Lisa Rubenstein, MD

neuroimaging methodologies to explore the notion that physical and social pain rely on overlapping neural and experiential processes. Specifically, I will examine: 1) whether social pain activates pain-related neural circuitry, 2) whether individual differences in sensitivity to one kind of pain relate to individual differences in sensitivity to the other (*e.g. Are individuals who are more sensitive to physical pain also more sensitive to social pain?*), and 3) whether factors that up- or down-regulate one type of pain affect the other in a similar manner (*e.g., Can physical painkillers reduce social pain?*).

Alvin P. Shapiro Award: Paving the Path from Mental Health Research into Practice: The Role of Primary Care/Mental Health Care Integration

Chair: Bruce Rollman, MD

Presenter: Lisa Rubenstein, MD

2:00 - 2:15 pm

BREAK

2:15 - 3:30 pm

CONCURRENT SESSIONS



Susan Czajkowski, PhD



Lynda Powell, PhD



Kim Reynolds, PhD



Elissa Epel, PhD



Deborah Olster, PhD

**Invited Symposium: Ideas to Interventions:
Translating Basic Behavioral Science Discoveries
into Behavioral Interventions**

Conference Room 1-4

Chairs: Susan Czajkowski, PhD and Lynda Powell, PhD

Presenters: Susan Czajkowski, PhD, National Heart, Lung, & Blood Institute, NIH; Lynda Powell, PhD, Rush University Medical Center; Kim Reynolds, PhD, Claremont Graduate University; Elissa Epel, PhD, University of California, San Francisco

Discussant: Deborah Olster, PhD, Office of Behavioral & Social Sciences Research, NIH

Our ability to improve health-related behaviors, such as physical activity and dietary patterns, is dependent on increasing our understanding of the fundamental bases of human behavior and translating that knowledge into well-specified and effective interventions. In drug development, research concerned with the development, testing and refining of interventions is labeled "bench to bedside" or Translation I research. Translation I research begins with basic research to identify mechanisms and intervention targets, proceeds to the conduct of small-scale human trials to assess safety and optimal dosing, and often includes pilot studies to assess feasibility and provide estimates of yield and effect. These early phases of therapy development are followed by large-scale, Phase III clinical trials that test the effects of the treatment on the health outcomes of interest.

This paradigm is well-accepted and has produced a wealth of therapeutics that have enhanced the quantity and quality of life. In contrast, no similar paradigm exists for guiding the development of behaviorally-based interventions. Instead, knowledge and "best practices" concerning the design, methodology and analysis of studies for developing behavioral interventions is severely limited. In this symposium, members of the NIH-sponsored ORBIT (Obesity Related Behavioral Intervention Trials) program, aimed at developing new approaches to improve obesity-related behaviors based on basic behavioral and social science findings, will highlight both the opportunities and challenges inherent in developing behavioral interventions. Speakers will (1) present a framework or paradigm that can be used to guide Translation I/behavioral intervention development research; (2) describe the types of study designs and methods most useful for developing behavioral interventions; and (3) discuss ways that academic, medical and funding institutions can be structured to promote the creativity and innovation necessary for high-risk, translational research focused on behavioral intervention development. An exemplar of such research will then be presented, illustrating how basic behavioral research on stress, neurobiology and appetitive drive can lead to the development of novel interventional approaches to obesity. In closing, the discussant will review needs and opportunities in basic and translational behavioral science research and highlight NIH's role in developing Translation I behavioral science.

MODELS OF BEHAVIORAL INTERVENTION DEVELOPMENT: CREATING A FRAMEWORK TO GUIDE TRANSLATION I BEHAVIORAL SCIENCE

Susan Czajkowski, PhD and Nancy Adler, PhD

The drug development model provides an overarching paradigm for translating basic biological research into efficacious therapies. In contrast, no standardized and accepted "paradigm" exists to describe and guide the process of translating basic behavioral and social science discoveries into efficacious behavioral interventions. In this talk, we present a phased approach to developing health-related behavioral interventions, based on the model being used in the ORBIT program and refined by participants in a recent NIH-sponsored Workshop entitled "Translating Ideas into Interventions: The Process of Developing Behavioral Interventions." This framework is intended to encourage the development of well-characterized, appropriately tested and optimized behavioral interventions, which can guide researchers and funding agencies and provide explicit strategies for promoting behavior change and modifying psychosocial risk factors to improve health.

DESIGNS AND METHODS IN BEHAVIORAL INTERVENTION DEVELOPMENT RESEARCH: CONDUCTING STUDIES TO DEVELOP AND OPTIMIZE BEHAVIORAL INTERVENTIONS

Lynda Powell, PhD, Sylvie Naar-King, PhD and Christine Hunter, PhD

Little in the literature on behavioral clinical trials provides guidance in designing, conducting and analyzing the kind of “proof of concept” trials and pilot studies necessary to maximize the effectiveness of behavioral interventions prior to their testing in larger-scale Phase III trials.

In this talk, we provide a review of the kinds of study designs, methodologies and analytic techniques most appropriate for use in behavioral intervention development research. The presentation includes discussion of optimal study designs for each phase of the intervention development process; identification of appropriate controls, sample sizes, and outcomes for “proof of concept” and pilot studies; and the utility of novel designs (e.g. adaptive & fractional factorial designs, engineering models, systems science models) for developing behavioral interventions.

FOSTERING CREATIVITY: CREATING ENVIRONMENTS THAT PROMOTE INNOVATIVE TRANSLATIONAL BEHAVIORAL SCIENCE RESEARCH

Kim Reynolds, PhD and Linda Nebeling, PhD

Findings from basic behavioral science discoveries are often underutilized in the design & testing of health behavior change interventions due to lack of institutional support for the kind of high-risk, high-reward research involved in translational research. In this presentation, we will identify ways in which academic, medical, and funding institutions can promote innovation and creativity, laying the groundwork for the translation of novel behavioral science discoveries into more effective behavioral interventions. The talk will focus on the kinds of administrative, leadership, training and funding approaches that are needed to promote creative collaborations across basic and clinical researchers; reward risk-taking and innovation; and address barriers encountered by researchers wishing to move basic behavioral science ideas and findings into novel interventional approaches to addressing behavioral and psychosocial risk factors.

STRESS EATING AND ABDOMINAL OBESITY: FROM NEURONS TO NOVEL INTERVENTIONS

Elissa Epel, PhD, Jennifer Daubenmier, PhD, Barbara Laraia, PhD, Rick Hecht, MD and Jean Kristeller, PhD

In this talk, we present an example of a novel approach to the development of obesity-related behavioral interventions, based on basic behavioral science research that demonstrates the role of stress in the development of obesity. Our translational approach integrates the psychology of eating and behavior change, along with the neuroscience of stress, appetite and reward. We first present experimental animal and human studies showing that strong neurobiological signals involving both the reward and stress systems prime the drive to eat excessively, and that stress-induced cortisol secretion drives high fat and sugar intake and promotes abdominal fat. We propose that behavioral strategies informed by an in-depth understanding of appetitive drive can best modulate “non-homeostatic eating”—that is, eating reflexively in response to factors other than caloric need or hunger. We then discuss the development of mindfulness-based eating and stress reduction interventions for obesity, based on the basic science, and show preliminary findings.

Paper Session: Sleep and Cardiovascular Health

Conference Room 17-18

Chair: Daniel Taylor, PhD

Abstract 1693

SLEEP PREDICTORS OF DEPRESSION, FATIGUE, AND QUALITY OF LIFE IN HEART FAILURE PATIENTS: A LONGITUDINAL STUDY

Shamini Jain, PhD, Brain, Mind, and Healing, Samueli Institute, Corona Del Mar, CA, Lavinia Fiorentino, PhD, Psychiatry & Behavioral Medicine, Jessica Jimenez, M.A., Psychology, Merideth Pung, PhD, Paul J. Mills, PhD, Psychiatry & Behavioral Medicine, UCSD, San Diego, CA

Abstract 1440

INDIVIDUAL DIFFERENCES IN IMPACT OF SLEEP LOSS ON CARDIOVASCULAR ADAPTATION TO STRESS

Brian M. Hughes, PhD, Jack E. James, PhD, Siobhán Howard, PhD, Centre for Research on Occupational and Life Stress, National University of Ireland, Galway, Ireland

Abstract 1338

SHORTER AND MORE VARIABLE SLEEP DURATION ARE RELATED TO ELEVATED AMBULATORY BLOOD PRESSURE IN ADOLESCENTS

Elizabeth J. Mezick, M.S., Psychology, University of Pittsburgh, Pittsburgh, PA, Martica Hall, PhD, Karen A. Matthews, PhD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA

Abstract 1879

INSOMNIA SYMPTOMS PREDICT INCIDENT CARDIOMETABOLIC DISEASE

Martica H. Hall, PhD, Psychiatry and Psychology, University of Pittsburgh, School of Medicine, Pittsburgh, PA, Noora Sjösten, PhD, Unit of Excellence for Psychosocial Factors, Finnish Institute of Occupational Health, Turku, Finland, Mika Kivimäki, PhD, Epidemiology and Public Health, University College London, London, England, Paulo Salo, PhD, Unit of Excellence for Psychosocial Factors, Finnish Institute of Occupational Health, Turku, Finland, Jussi Vahtera, MD, PhD, Public Health, University of Turku, Turku, Finland

Paper Session: The Influences of Early Life Experiences and SES on Health

Salon C

Chair: Ted Robles, PhD

Abstract 1664

LOW SOCIO-ECONOMIC STATUS AND JOB STRESS AMPLIFY THE EFFECTS OF LATENT CYTOME-GALOVIRUS INFECTION ON T CELL SENEESCENCE

Jos A. Bosch, PhD, SPORTEX, University of Birmingham, Birmingham, United Kingdom, Adrian Loerbroks, PhD, MPH, University of Heidelberg, Mannheim, Germany, Brian O'Hartaigh, MSc, SPORTEX, University of Birmingham, Birmingham, United Kingdom, Joachim E. Fischer, MD, MPH, University of Heidelberg, Mannheim, Germany, Johannes C. Fischer, ITZ, Heinrich Heine University Dusseldorf, Dusseldorf, Germany

Abstract 1610

EVALUATING THE ROLE OF EARLY LIFE SOCIOECONOMIC STATUS IN THE ASSOCIATION BETWEEN CHILDHOOD EMOTIONAL FUNCTIONING AND INFLAMMATION IN ADULTHOOD: EVIDENCE FOR EFFECT MODIFICATION

Allison A. Appleton, ScD, Epidemiology, Harvard School of Public Health, Boston, MA, Stephen Buka, ScD, Community Health, Brown University, Providence, RI, Marie C. McCormick, MD, ScD, Karestan C. Koenen, PhD, Society, Human Development and Health, Harvard School of Public Health, Boston, MA, Eric B. Loucks, PhD, Community Health, Brown University, Providence, RI, Laura D. Kubzansky, PhD, Society, Human Development and Health, Harvard School of Public Health, Boston, MA

Abstract 1632

IMPLICIT MEASURES OF EARLY-LIFE FAMILY CONDITIONS: IMPLICIT MEASURES OF EARLY-LIFE FAMILY CONDITIONS: RELATIONSHIP TO ADULT PSYCHOSOCIAL AND CARDIOVASCULAR CHARACTERISTICS

Meanne Chan, BA, Gregory E. Miller, PhD, Nandini Maharaj, William Lee, BA, Edith Chen, PhD, Psychology, University of British Columbia, Vancouver, BC, Canada

Abstract 1209

EARLY LIFE EXPERIENCES, MENARCHEAL AGE, AND CARDIOVASCULAR RISK

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

Paper Session: Acute Stress Psychophysiology

Salon D

Chair: Kristen Salomon, PhD

Abstract 1870

OXYTOCIN RECEPTOR POLYMORPHISM AND THE CARDIOVASCULAR STRESS RESPONSE

Sarah Pressman, PhD, Omri Gillath, PhD, Lora Black, MA, Yevgeny Botanov, MA, Psychology, Jakob Moskovitz, DSc, Pharmacology & Toxicology, Dean Stetler, PhD, Molecular Biosciences, University of Kansas, Lawrence, KS

Abstract 1350

ARE THREAT AND CHALLENGE APPRAISALS OF ACUTE STRESS ASSOCIATED WITH LEUKOCYTE TELOMERE LENGTH?

Aoife O'Donovan, PhD, Janet Tomiyama, PhD, Psychiatry, Jue Lin, PhD, Biochemistry and Biophysics, Eli Puterman, PhD, Margaret Kemeny, PhD, Owen Wolkowitz, MD, Alanie Lazaro, BA, Michael B. Rankin, BA, Nancy E. Adler, PhD, Psychiatry, Elizabeth H. Blackburn, PhD, Biochemistry and Biophysics, Elissa S. Epel, PhD, Psychiatry, University of California, San Francisco, San Francisco, CA

Abstract 1794

A NOVEL APPROACH TO ASSESS PSYCHOPHYSIOLOGICAL RESPONSES TO STRESS

Motohiro Nakajima, PHD, Mustafa al'Absi, PHD, Behavioral Sciences, University of Minnesota Medical School, Duluth, MN, Andrew Rajj, PHD, Santosh Kumar, PHD, Computer Science, University of Memphis, Memphis, TN, Nathan Stohs, Computer Science and Engineering, Emre Ertin, PHD, Electrical Engineering, The Ohio State University, Columbus, OH, Patrick Blitz, Asim Smailagic, PHD, Institute for Complex Engineered Systems, Carnegie Mellon University, Pittsburgh, PA, Thomas Kamarck, PHD, Psychology, University of Pittsburgh, Pittsburgh, PA, Marcia Scott, PHD, Division of Epidemiology and Prevention Research, National Institute on Alcohol Abuse and Alcoholism, Bethesda, MD

Abstract 1616

STRESS-INDUCED CHANGES IN BLOOD COAGULATION AND HEMOCONCENTRATION

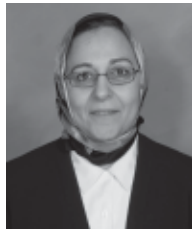
Anthony W. Austin, MA, Psychology, Ohio University, Athens, OH, Petra H. Wirtz, PhD, Clinical Psychology and Psychotherapy, Psychological Institute, University of Zürich, Zürich, Switzerland, Stephen M. Patterson, PhD, Psychology, Ohio University, Athens, OH, Monika Stutz, Thrombosis Research Laboratory, Roland von Känel, MD, General Internal Medicine, Inselspital, Bern University Hospital, Bern, Switzerland

3:30 - 3:45 pm

BREAK

3:45 - 5:00 pm

CONCURRENT SESSIONS



Mona Eissa, MD

Invited Talk: Project Heart Beat! Changes of Body Composition and Plasma Lipid Levels during Sexual Maturation

Conference Room 1-4

Chair: John Ruiz, PhD

Presenter: Mona Eissa, MD

The learning objectives of this talk are to: 1) identify major cardiovascular disease risk factors and their origin at early age; 2) appreciate the importance of studying the natural history of the risk factors in order to identify the appropriate prevention and control measures; 3) learn about Project Heart Beat! design; 4) appreciate the changes of body composition, fat mass and lean body mass, that occur during puberty; 5) identify the differences in the pattern of changes between gender and ethnic /racial subgroups; and 6) appreciate the changes of serum lipids during puberty - these changes will be compared among gender and ethnic/racial subgroups.

Symposium 1253: Sleep and Health in Psychosomatic Medicine: Understanding Causal Mechanisms, Implementing Interventions

Conference Room 17-18

Chair: Martica Hall, PhD

Discussant: Daniel Taylor, PhD

Individual Abstract Number: 1264

INSOMNIA WITH OBJECTIVE SLEEP DISTURBANCES PREDICTS POOR DEPRESSION TREATMENT OUTCOME

Wendy M. Troxel, PhD, Psychiatry and Psychology, Michael Thase, MD, David J. Kupfer, MD, Charles F. Reynolds, MD, Ellen Frank, PhD, Daniel J. Buysse, MD, Psychiatry, University of Pittsburgh, Pittsburgh, PA

Individual Abstract Number: 1267

SLEEP DURATION AND ANTIBODY RESPONSE TO HEPATITIS B VACCINATION

Aric A. Prather, PhD, Center for Health and Community, University of California, San Francisco, San Francisco, CA, Martica Hall, PhD, Psychiatry, Psychology, Clinical and Translational S, University of Pittsburgh School of Medicine, Pittsburgh, PA, Jacqueline M. Fury, BS, Diana C. Ross, RN, BSN, Psychology, Anna L. Marsland, PhD, RN, Psychology and Nursing, University of Pittsburgh, Pittsburgh, PA

Individual Abstract Number: 1833

TREATMENT OF SLEEP DISTURBANCE CONFERS BENEFIT ON INFLAMMATORY OUTCOMES IN OLDER ADULTS WITH INSOMNIA

Michael R. Irwin, MD, Perry Nicassio, PhD, Sarosh Motival, PhD, Richard Olmstead, PhD, Elizabeth Breen, PhD, Psychiatry, Cousins Center for Psychoneuroimmunology, UCLA Semel, Los Angeles, CA

Symposium 1075: Interventions to Enhance Quality of Life and Health in Women Diagnosed with Breast Cancer: Main Effects, Mechanisms, and Moderators

Salon C

Chair: Annette Stanton, PhD

Discussant: Paige Green McDonald, PhD

Individual Abstract Number: 1716

PROJECT CONNECT ONLINE: TRIAL OF A WEB-BASED PROGRAM TO CHRONICLE THE BREAST CANCER EXPERIENCE AND FACILITATE SOCIAL NETWORK COMMUNICATION

Annette L. Stanton, PhD, Psychology and Psychiatry/Biobehavioral Sciences, Elizabeth H. Thompson, M.A., Psychology, University of California, Los Angeles, Los Angeles, CA

Individual Abstract Number: 1705

RANDOMIZED CONTROLLED TRIAL OF IYENGAR YOGA FOR CANCER-RELATED FATIGUE: RESULTS OF A TARGETED INTERVENTION FOR FATIGUED BREAST CANCER SURVIVORS

Julienne E. Bower, PhD, Psychology and Psychiatry/Biobehavioral Sciences, Deborah Garet, M.P.H., Cousins Center for PNI, Patricia A. Ganz, MD, Medicine/Public Health, Beth Sternlieb, B.A., Pediatric Pain Program, Michael Irwin, MD, Richard Olmstead, PhD, Cousins Center for PNI, Gail A. Greendale, MD, Medicine/Geriatrics, University of California, Los Angeles, Los Angeles, CA

Individual Abstract Number: 1119

COGNITIVE BEHAVIORAL STRESS MANAGEMENT AND CONVERGING BIOBEHAVIORAL PROCESSES IN WOMEN UNDER TREATMENT FOR BREAST CANCER

Michael H. Antoni, PhD, Psychology, University of Miami, Coral Gables, Florida, Bonnie B. Blomberg, PhD, Microbiology/Immunology, Suzanne Lechner, PhD, Psychiatry, University of Miami School of Medicine, Miami, Florida, Charles S. Carver, PhD, Psychology, University of Miami, Coral Gables, Florida, Susan Lutgendorf, PhD, Psychology, University of Iowa, Iowa City, IA, Steven W. Cole, PhD, Medicine, UCLA, Los Angeles, California

Paper Session: Pain

Salon D

Chair: Suzanne Segerstrom, PhD

Abstract 1635

DIFFERENTIAL COMORBIDITY OF MIGRAINE WITH SUBTYPES OF MOOD DISORDERS

Tuong-Vi Nguyen, MD, Psychiatry, McGill University, Montreal, QC, Canada, Sok S. Lee, BA, Medicine, Boston University School of Medicine, Boston, MA, Nancy C. Low, FRCP, Psychiatry, McGill University, Montreal, QC, Canada

Abstract 1211

IS REDUCTION IN PAIN CATASTROPHIZING A THERAPEUTIC MECHANISM SPECIFIC TO CBT FOR CHRONIC PAIN?

John W. Burns, PhD, Behavioral Sciences, Rush University Medical Center, Chicago, IL, Beverly Thorn, PhD, Melissa Day, MS, Psychology, University of Alabama, Tuscaloosa, Alabama

Abstract 1778

SENSITIVITY TO PHYSICAL AND EMOTIONAL PAIN IN WOMEN WITH ABUSE HISTORIES

Diana S. Fleischman, PhD, Psychiatry, University of North Carolina, Chapel Hill, Chapel Hill, NC, Jane Leserman, PhD, Susan Girdler, PHD, Department of Psychiatry, The University of North Carolina, Chapel Hill, Chapel Hill, NC

Additional Discussion

Time will be provided for additional discussion regarding the previous presentations.

240) Abstract 1241

EMOTIONAL AWARENESS COVARIES WITH THEORY OF MIND ABILITY: IMPLICATIONS FOR THE CONCEPTUALIZATION AND MEASUREMENT OF ALEXITHYMIA

Richard D. Lane, MD, PhD, Psychiatry, University of Arizona, Tucson, AZ, Cynthia Stonnington, M.D., Psychiatry, Mayo Clinic, Scottsdale, Arizona, Cheryl Ritenbaugh, Ph.D., Family and Community Medicine, University of Arizona, Tucson, AZ

241) Abstract 1020

EXPRESSIVE WRITING AND PSYCHOLOGICAL WELL-BEING IN AMYOTROPHIC LATERAL SCLEROSIS (ALS)

Suzanne C. Segerstrom, PhD, Psychology, University of Kentucky, Lexington, KY, Alyssa J. Averill, PhD, Psychiatry and Behavioral Sciences, Medical University of South Carolina, Charleston, SC, Edward J. Kasarskis, MD, PhD, Neurology, University of Kentucky, Lexington, KY

242) Abstract 1322

THE EFFECTS OF INTERVENTIONS TO IMPROVE LEADERSHIP BEHAVIOR ON SUBORDINATE EMPLOYEE 'S HEALTH AND LEVELS OF STRESS: A SYSTEMATIC LITERATURE REVIEW

Michael C. Gadinger, Dipl. Psych., Tatiana Yarmoliuk, Dipl. Soz., Walter Kromm, Joachim E. Fischer, Professor, Adrian Loerbrosks, PhD, Public Health, University of Heidelberg, Mannheim Medical Faculty, Mannheim, Germany

243) Abstract 1242

PERCEIVED STRESS, SLEEP QUALITY, AND CORTISOL DYSREGULATION

Jennifer J. McGrath, PhD, MPH, Ourania Timotheatos, Forrest Rogers, Jessica Sykucki, Katrina Messina, Teresa McPeak, Stephane Jette, Amy Bilodeau, Valerie D'Amour-Horvat, Cinthya Lucu, Michael Wilgus, Noel Nguyen, Katie Harbron, Jason De Lima, Andrea McCarthy, Valerie Aubrais, Rana Mohamed Salah Ahmed, Ata Hatami, Catherine Tardiff, Iulia Rusu, Melissa Dimitriadis, Stephanie Correia, Lana Karabachian, Emilie Gregoire Fiset, Reginald Beaubrun, Neressa Noel, Anne Aloï, Courtney Ostrega, Josie Macri, Jordan O'Byrne, Jennifer Novinsky, Marc-Olivier Hamel-Doyon, Leisha Seymour, Psychology, Concordia University, Montreal, QC, Canada, Alex J. Gavrilu, MA, Anastasia J. Arvanitidis, MA, Sabrina J. Giovannello, B.A., Psychology, Concordia University, Montreal, Québec, Canada

244) Abstract 1644

CHRONIC STRESS AND DIURNAL VARIATION IN CORTISOL

Kimberly A. Dienes, Ph.D., Psychology, Roosevelt University, Chicago, IL, Nicholas A. Hazel, Ph.D., Psychiatry, Northwestern University, Chicago, IL

245) Abstract 1351

PRELIMINARY VALIDATION OF THE SOCIAL NETWORK HEALTH BEHAVIOR SCALE (SNBHS): A MEASURE OF HEALTH BEHAVIOR EXPOSURES

Kelly A. Battle, B.A., Psychology, University of Kentucky, Lexington, KY, Kara E. Goyla, B.A., Behavioral and Community Health Sciences, Emily Heineman, Masters, Barbara Anderson, Ph.D., Thomas Kamarck, Ph.D., Psychology, University of Pittsburgh, Pittsburgh, PA

246) Abstract 1255

THE JOINT EFFECT OF CHILDHOOD PHYSICAL ABUSE AND IMPULSIVENESS ON TOBACCO USE

Janine D. Flory, PhD, Psychology, Queens College, Flushing, NY, Stephen B. Manuck, PhD, Psychology, University of Pittsburgh, Pittsburgh, PA

247) Abstract 1083

A DOUBLE WHAMMY: SMOKING AND FATIGUE INCREASE TNF-A LEVELS IN OLDER ADULTS

Jeanette M. Bennett, Ph.D., Ronald Glaser, Ph.D., Janice K. Kiecolt-Glaser, Ph.D., Institute for Behavioral Medicine Research, The Ohio State University, Columbus, OH

248) Abstract 1858

THE LEVEL OF CORTISOL INDUCED BY ACUTE STRESS IS RELATED TO DECISION MAKING INCLUDING RISK.

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

249) Abstract 1254

PRESERVED TRAIT STRESS REACTIVITY IN OLDER ADULTS PROMOTES MEMORY PERFORMANCE UNDER CHALLENGING CONDITIONS.

Kenneth P. Pitts, B.S., Angela Gutchess, Ph.D., Jutta M. Wolf, PhD, Psychology, Brandeis University, Waltham, MA

250) Abstract 1708

NEURAL BASIS FOR THE META-COGNITIVE STRATEGY OF EMOTION REGULATION

Hiroki Murakami, Japan Foundation for Neuroscience and Mental Health, Kodaira, Tokyo, Japan, Yoshiya Moriguchi, PhD, Akiko Hida, PhD, Kazuo Mishima, PhD, Department of Psychophysiology, National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan

251) Abstract 1770

PERCEIVED SOCIAL SUPPORT IS USED BY EMPLOYED BUT NOT BY UNEMPLOYED INDIVIDUALS TO DETERMINE SUBJECTIVE SOCIAL STATUS

Ashley Geiger, B.S., Psychology, Brandeis University, Waltham, MA, Clemens Kirschbaum, Ph.D., Psychology, Dresden University of Technology, Dresden, Germany, Jutta Wolf, Ph.D., Psychology, Brandeis University, Waltham, MA

252) Abstract 1728

SLEEP DURATION AND BODY MASS INDEX IN A DIVERSE GROUP OF ADOLESCENTS

Katherine D. Marczyk, BA, Daniel J. Taylor, PhD, Trent A. Petrie, PhD, Psychology, Scott B. Martin, PhD, Christy A. Greenleaf, PhD, Kinesiology, Health Promotion, & Recreation, John M. Ruiz, PhD, Camilo Ruggero, PhD, Psychology, University of North Texas, Denton, Texas

253) Abstract 1261

EXISTENTIAL MEANING IS ALTERED BY CANCER EXPERIENCE

Silla M. Consoli, PhD, Sylvie Pucheu, PhD, Najoua Oumima, PhD, Cecile You-Harada, PhD, Cecile Roygnan, PhD, CL-Psychiatry, European Georges Pompidou Hospital, Paris, Ile de France, France

254) Abstract 1391

EMOTIONAL EXPRESSION OF REPRESSORS AND THE HIGH-ANXIOUS WITH METASTATIC BREAST CANCER DURING THE TRIER SOCIAL STRESS TASK (TSST)

Janine Giese-Davis, Ph.D., Rie Tamagawa, Ph.D., Oncology, University of Calgary, Calgary, Alberta, Canada, Karen Altree Piemme, B.F.A., Eric Neri, B.A., Psychiatry, Stanford University, Stanford, CA, Maya Yutsis, Ph.D., Traumatic Brain Injury, Mayo Clinic College of Medicine, Rochester, MN, Craig Barr Taylor, M.D., David Spiegel, M.D., Psychiatry, Stanford University, Stanford, CA

255) Abstract 1807

HAPPINESS IS ASSOCIATED WITH IMPROVED BIOLOGICAL OUTCOMES IN RENAL CELL CARCINOMA (RCC)

Sarah Prinsloo, PhD, Louis Pisters, MD, Shellie Scott, BS, Qi Wei, MS, Lorenzo Cohen, PhD, The University of Texas MD Anderson Cancer Center, Houston, TX, USA

256) Abstract 1160

PSYCHOSOCIAL FACTORS OF JAPANESE OBESE CANDIDATES FOR INTRAGASTRIC BALLOON PLACEMENT THERAPY

Shuji Inada, MD, Yoshiyuki Takimoto, PhD, Kazuhiro Yoshiuchi, PhD, Stress Sciences and Psychosomatic Medicine, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan, Fumihiko Hatao, PhD, Gastrointestinal Surgery, The University of Tokyo, Tokyo, Japan, Yusuke Hada, PhD, Sumie Okahata, PhD, Toshimasa Yamauchi, PhD, Takashi Kadowaki, PhD, Diabetes and Metabolic Diseases, Akira Akabayashi, PhD, Stress Sciences and Psychosomatic Medicine, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

257) Abstract 1438

CAFFEINE ABSTINENCE IMPROVES CHRONIC GLUCOSE CONTROL IN TYPE 2 DIABETIC COFFEE DRINKERS.

James D. Lane, Ph.D., Alex J. Lane, B.A., Psychiatry and Behavioral Sciences, Mark N. Feinglos, M.D., Department of Medicine, Richard S. Surwit, Ph.D., Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, NC

258) Abstract 1330

PROACTIVE REHABILITATION AND TELEPHONE INTERVENTION IN TYPE 2 DIABETES (PARTIAL TRIAL): METHODS AND RESULTS OF SCREENING FOR REHAB NEED IN DIABETICS WITH LOW SOCIO-ECONOMIC STATUS

Oskar Mittag, ScD, Andrea Doebler, Department of Quality Management and Social Medicine, University Medical Center of Freiburg, Freiburg, Germany, Hartmut Pollmann, MD, Niederrhein Clinic,

Bad Neuenahr-Ahrweiler, Germany, Heiner Raspe, PhD, MD, Institute of Social Medicine, University of Luebeck, Luebeck, Germany

259) Abstract 1706

PRESENCE OF THE METABOLIC SYNDROME COVARIES WITH BASAL GANGLIA MORPHOLOGY AND ANHEDONIA

Ikechukwu C. Onyewuenyi, BSc, Psychology, Israel C. Christie, PhD, Psychiatry, Kirk I. Erickson, PhD, Psychology, Lei K. Sheu, PhD, Psychiatry, Peter J. Gianaros, PhD, Psychiatry and Psychology, University of Pittsburgh, Pittsburgh, PA

260) Abstract 1653

IMPACT OF SPIRITUALITY ON MENTAL HEALTH OF RHEUMATOID ARTHRITIS PATIENTS: A SYSTEMATIC REVIEW.

Parikshit Deshmukh, MD, Psychiatry, University Hospital Case Medical Center, Cleveland, OH, Gaurav Kulkarni, MD, Psychiatry, University of Missouri, Columbia, MO, Jeanne Lackamp, MD, Psychiatry, University Hospital Case Medical Center, Cleveland, OH

261) Abstract 1650

ADULTS WITH PSYCHOSOMATIC SYMPTOMS IN COMMUNITY PARTIAL HOSPITALIZATION PROGRAM: CHARACTERISTICS AND PREDICTORS OF CLINICAL RESPONSE

Parikshit Deshmukh, MD, David Kemp, MD, MS, Psychiatry, University Hospital Case Medical Center, Cleveland, OH, Richard Hill, MD PhD, Psychiatry, Recovery Resources, Cleveland, OH, Stephen Ganocy, PhD, Psychiatry, University Hospital Case Medical Center, Cleveland, OH

262) Abstract 1788

STRESS MANAGEMENT FOR BMT CAREGIVERS

Mark L. Laudenslager, PhD, Psychiatry, University of Colorado Denver, Denver, Colorado, Janet Spradley, LSW, Psychosocial Oncology, Presbyterian/St. Luke's Medical Center, Denver, Colorado, Rachel Grzywa, BS, Crystal L. Natvig, BS, Psychiatry, University of Colorado Denver, Denver, Colorado, Susan K. Mikulich-Gilbertson, PhD, Psychiatry, University of Colorado Denver, Aurora, Colorado, Kristin Kilbourn, PhD, Psychology, University of Colorado Denver, Denver, Colorado, Teri Simoneau, PhD, Psychosocial Oncology, Presbyterian/St. Luke's Medical Center, Denver, Colorado

263) Abstract 1607

EXCEPTIONS TO THE SES GRADIENT: RACIAL/ETHNIC DIFFERENCES IN SOCIOECONOMIC EFFECTS ON SCHOOL ABSENCES AMONG ADOLESCENTS

Mariana Garza, BA, John M. Ruiz, Ph.D., Psychology, Scott Martin, Ph.D., Christy Greenleaf, Ph.D., Kinesiology, Daniel Taylor, Ph.D., Trent Petrie, Ph.D., Psychology, University of North Texas, Denton, Texas

264) Abstract 1324

STRESSFUL ANCIENT EGYPT? ASSESSING CORTISOL CONCENTRATIONS IN A MUMMY'S HAIR

Adrian Loerbroks, PhD, Cluster of Excellence Asia and Europe, Heidelberg University, Heidelberg, Germany, Friedhelm Hoffmann, PhD, Egyptological Institute, Ludwig Maximilians University, Munich, Germany, Alfred Grimm, PhD, Egyptian Museum Munich, Munich, Germany, Clemens Kirschbaum, PhD, Institute of Biological Psychology, Dresden University of Technology, Dresden, Germany

265) Abstract 1446

MINDFULNESS AND PSYCHOLOGICAL ADJUSTMENT AMONG PARKINSON'S DISEASE PATIENTS AND THEIR PARTNERS

Samuel J. Dreeben, B.A., Sandra E. Sephton, Ph.D., Megan E. Jablonski, M.S., Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky, Irene Litvan, M.D., Neurology, University of Louisville School of Medicine, Louisville, KY, David J. Houghton, M.D., Neurology, University of Louisville School of Medicine, Louisville, Kentucky, Janine Giese-Davis, Ph.D., Oncology, University of Calgary Faculty of Medicine, Calgary, Alberta, Canada, Estate M. Sokhadze, Ph.D., Psychiatry and Behavioral Sciences, Rafael Fernandez-Botran, Ph.D., Pathology and Laboratory Medicine, University of Louisville School of Medicine, Louisville, Kentucky, Emily A. Eismann, M.S., Scott M. Hanneman, B.S., Paul Salmon, Ph.D., Psychological and Brain Sciences, University of Louisville, Louisville, Kentucky

266) Abstract 1270

EFFECTS OF ACCULTURATION ON OVERWEIGHT IN CANADIAN IMMIGRANT YOUTH

Elizabeth C. Quon, M.A., Jennifer J. McGrath, Ph.D., Psychology, Concordia University, Montreal, Quebec, Canada

267) Abstract 1811

POSITIVE BENEFIT FINDING IS ASSOCIATED WITH SALIVARY CORTISOL AWAKENING RESPONSE IN CAREGIVERS OF HOSPICE PATIENTS

Shannon L. Madore, BA, Allison Costenaro, MA, Psychology, Crystal L. Natvig, BS, Psychiatry, University of Colorado Denver, Denver, CO, Tarah A. Keech, MA, General Internal Medicine, University of Colorado Denver, Aurora, CO, Derek Anderson, MA, Psychology, The Ohio State University, Columbus, Ohio, Mark L. Laudenslager, PhD, Psychiatry, University of Colorado Denver, Denver, CO, Jean S. Kutner, MD, General Internal Medicine, University of Colorado Denver, Aurora, CO, Kristin M. Kilbourn, PhD, Psychology, University of Colorado Denver, Denver, CO

268) Abstract 1062

MODULATION OF NEURAL, CARDIOVASCULAR, AND IMMUNE REACTIVITY TO COGNITIVE CHALLENGE BY CHRONIC JOB STRESS

Hideki Ohira, PhD, Psychology, Nagoya University, Nagoya, Aichi, Japan, Masahiro Matsunaga, PhD, Psychosomatic Medicine, Fujita Health University, Nagoya, Aichi, Japan, Kenta Kimura, PhD, Hiroki Murakami, MA, Takahiro Osumi, MA, Psychology, Nagoya University, Nagoya, Aichi, Japan

269) Abstract 1698

EATING BEHAVIOR IN MIDDLE-AGED WOMEN

Suzana Drobnjak, M.S., Ulrike Ehlert, Prof., Department of Psychology, University of Zurich, Zuerich, Switzerland

270) Abstract 1331

NEGATIVE AFFECT AND VASOMOTOR SYMPTOMS IN THE DAILY HORMONE STUDY

Carolyn Gibson, MPH, Psychology, Rebecca Thurston, PhD, Joyce Bromberger, PhD, Epidemiology, Psychiatry, Thomas Kamarck, PhD, Psychology, Psychiatry, Karen Matthews, PhD, Psychiatry, Epidemiology, Psychology, University of Pittsburgh, Pittsburgh, PA

271) Abstract 1399

SHORT-TERM COMMITMENT IS ASSOCIATED WITH BETTER MENTAL HEALTH AND LESS STRESS IN YOUNG ADULTS

Nicole Piccirillo, Stephen Martinkovich, Aubrey Murano, Sarah Conklin, PhD, Neuroscience and Psychology, Allegheny College, Meadville, PA

272) Abstract 1747

FEAR-RELATED PREDICTORS OF VASOVAGAL SYMPTOMS DURING BLOOD DONATION: IT'S IN THE BLOOD.

Phillippe T. Gilchrist, M.A., Crystal D. Holly, B.Sc., Blaine Ditto, Ph.D., Psychology, McGill University, Montreal, Quebec, Canada

273) Abstract 1606

PSYCHOSOCIAL PREDICTORS OF HEALTH-RELATED QUALITY OF LIFE AFTER SOLID ORGAN TRANSPLANTATION: A REVIEW

Alexander L. Patterson, PsyD, Department of Psychology, Portland VA Medical Center, Portland, OR

274) Abstract 1337

QUALITY IN COLONOSCOPY SERVICES FROM THE PATIENT PERSPECTIVE: IMPORTANCE OF PSYCHOSOCIAL FACTORS

Maida J. Sewitch, PhD, Medicine, McGill University Health Center, Montreal, Quebec, Canada, Catherine Dubé, MSc, MD, FRCPC, Medicine and Community Health Sciences, University of Calgary, Calgary, Alberta, Canada, Alan Barkun, MD, CM, FRCPC(C), FACP, MS, Medicine, McGill University Health Center, Montreal, Quebec, Canada, Robert Hilsden, MD PhD FRCPC, Medicine and Community Health Sciences, University of Calgary, Calgary, Alberta, Canada, David Armstrong, MA, MB BChir, FRCP(UK), Medicine, McMaster University, Hamilton, Ontario, Canada

275) Abstract 1619

SELF-EFFICACY AS A MEDIATOR BETWEEN ACTIVE COPING AND QUALITY OF LIFE

Thomas DeSena, MA, James Miller, B.S., Mark Vosvick, PhD, Clinical Health Psychology, University of North Texas, Denton, TX

276) Abstract 1378

SOCIAL SUPPORT AND MINDFULNESS SKILLS: CORRELATES OF DEPRESSION IN A LESBIAN, GAY, AND BISEXUAL SAMPLE

Sarah H. Fritz, Bachelor of Arts, Mark A. Vosvick, Ph.D., Psychology, University of North Texas, Denton, TX

277) Abstract 1795

DENIAL AS A MODERATOR OF DAILY HASSLES AND DISTRESS

Brooke M. Gomez, BA in progress, Mark A. Vosvick, PhD, Psychology, University of North Texas, Denton, Texas

278) Abstract 1848

CARDIOVASCULAR RESPONSES TO LABORATORY STRESS: THE INFLUENCE OF RACE AND ANGER EXPRESSION

Cynthia M. Dolezsar, MA, Sydney B. Miller, PhD, Psychology, Concordia University, Montreal, Qc, Canada

279) Abstract 1726

COGNITIVE FUNCTIONING DECLINES IN PREHYPERTENSIVE YOUNG ADULTS THROUGHOUT A NIGHT OF SLEEP DEPRIVATION

Hannah Peach, James A. McCubbin, PhD, June J. Pilcher, PhD, Psychology, Clemson University, Clemson, SC

280) Abstract 1092

PERCEIVED STRESS IS ADVERSELY RELATED TO SLEEP QUALITY IN ADULTS

Denise C. Jarrin, MA, Jennifer J. McGrath, Ph.D., M.P.H., Psychology, Concordia University, Montreal, Quebec, Canada

281) Abstract 1150

THE ROLE OF PERSONALITY DIMENSIONS IN SICK LEAVE - THE DOWNSIDE OF NOVELTY SEEKING AND COOPERATIVENESS

Rupert Conrad, MD, Psychosomatic Medicine and Psychotherapy, University of Bonn, Bonn, Germany

282) Abstract 1176

THE EFFECT OF RELATIONSHIP QUALITY AND WORKLOAD ON BLOOD PRESSURE AND STRESS LEVELS

Julianne Holt-Lunstad, PhD, Bryan Jenson, BS, Psychology, Brigham Young University, Provo, Utah, Kathleen Light, PhD, Anesthesiology, University of Utah, Salt Lake City, UT, Tracy Brown, BS, Sarah LeMonte, BS, Molly Mitchell, BS, Psychology, Brigham Young University, Provo, UT

283) Abstract 1127

COGNITIVE COMPLAINTS IN SUBJECTS WITH UNEXPLAINED FATIGUE EXPLAINED BY MENTAL EFFORT

Tamara E. Lacourt, MSc, Jan H. Houtveen, PhD, Lorenz J. van Doornen, PhD, Clinical and Health Psychology, Utrecht University, Utrecht, Netherlands, Cobi J. Heijnen, PhD, Laboratory for Neuroimmunology, University Medical Center Utrecht, Utrecht, The Netherlands

284) Abstract 1155

TESTING CAUSALITY IN THE ASSOCIATION BETWEEN REGULAR EXERCISE AND PSYCHOLOGICAL WELLBEING IN ADOLESCENTS

Eco J. de Geus, PhD, Niels van der Aa, PhD, Marleen de Moor, PhD, Dorret I. Boomsma, PhD, Meike Bartels, PhD, Biological Psychology, VU University, Amsterdam, Netherlands

285) Abstract 1165

SEVERITY OF DEPRESSION AS THE LEADING DETERMINANT OF THE QUALITY OF LIFE AMONG PATIENTS WITH MULTIPLE SCLEROSIS IN NORTH WEST OF IRAN

Mohammad Z. Pezeshki, M.D., Mehdi Panahali, M.D., Community Medicine, Tabriz University of Medical Sciences, Tabriz, East Azarbijan, Iran

286) Abstract 1769

THE DIFFICULTIES WITH EATING DISORDER PATIENTS IN EARLY STAGE OF THE TREATMENT

Hitomi Kobayashi, Master, Human Sciences, Waseda University, Tokorozawa, Saitama, Japan, Toshio Ishikawa, MD/Ph.D, Psychosomatic medicine, International Medical Center of Japan, Ichikawa, Chiba, Japan, Shinobu Nomura, MD/Ph.D, Faculty of Human Sciences, Waseda University, Tokorozawa, Saitama, Japan

287) Abstract 1283

CAN THE POSITIVE EFFECT OF ELECTRO-CONVULSIVE TREATMENT ON MOOD IN MAJOR DEPRESSIVE DISORDER BE CLASSICALLY CONDITIONED?

Marzio E. Sabbioni, MD, Psychosomatic and Psychotherapeutic Medicine, Lindenhofspital, Bern, Bern, Switzerland

288) Abstract 1317

TITERS OF CIRCULATING ANTIBODIES TO THE HEAT SHOCK PROTEIN 60 (ANTI-HSP60) INCREASE IN WOMEN IN RESPONSE TO STRESSFUL LIFE SITUATIONS

Jose R. Pena, MD PhD, Internal Medicine, Carabobo University, Venezuela, Valencia, Carabobo, Venezuela, Maria A. Lopez, Psy.D, Psychology, Unidad de Psicotrauma, Valencia, Carabobo, Venezuela, Sabrina Islam, MD, Babette Weskler, MD, Division of Hematology-Medical Oncology, Paul Szabo, PhD, Neurology, Weill Cornell Medical College, New York, NY, Karla Molina, MS, Clinical Biochemistry, Los Andes University, Merida, Merida, Venezuela, Cirilo Yelamo, MD, Anatomy, Romulo Gallegos University, San Juan de Los Morros, Guarico, Venezuela, Jose M. Poveda, MD PhD, Psychiatry, Universidad Autonoma de Madrid, Madrid, Madrid, España

289) Abstract 1074

HEART RATE VARIABILITY IN ANOREXIA NERVOSA AND IN THE IRRITABLE BOWEL SYNDROME

Nazar Mazurak, MD, Internal Medicine, Ivano-Frankivsk National Medical University, Ivano-Frankivsk, Ukraine, Paul Enck, PhD, Psychosomatic Medicine and Psychotherapy, University Clinic, Tuebingen, Germany, Eric R. Muth, PhD, Department of Psychology, Clemson University, Clemson, Steffen Haeffner, MD, Martin Teufel, MD, Stephan Zipfel, MD, Psychosomatic Medicine and Psychotherapy, University Clinic, Tuebingen, Germany

290) Abstract 1381

THE EFFECTS OF BODY IMAGE ON MATERNAL DEPRESSION AND CORTISOL LEVELS DURING PREGNANCY

Nina A. Smallwood, B.A., Guido G. Urizar, Ph.D., Psychology, California State University, Long Beach, Long Beach, CA, Ilona S. Yim, Ph.D., Psychology and Social Behavior, University of California, Irvine, Irvine, CA

291) Abstract 1060

THE LONGITUDINAL RELATIONSHIP BETWEEN ADOLESCENT OBESITY AND DEPRESSIVE SYMPTOMS: GENDER AND RACE/ETHNIC DIFFERENCES

Frank C. Bandiera, MPH, Epidemiology and Public Health, University of Miami, Miami, FL, Sharon L. Christ, PhD, Child Development and Family Studies, Purdue University, West Lafayette, Indiana, Elizabeth Goodman, MD, MassGeneral Hospital for Children, MassGeneral Hospital for Children, Boston, MA, David J. Lee, PhD, Shi Huang, PhD, Lora E. Fleming, MD PhD, Epidemiology and Public Health, University of Miami, Miami, FL

292) Abstract 1677

DEPRESSION STATUS AND ITS EFFECTS ON CORTISOL PATTERNS DURING PREGNANCY

Guido G. Urizar Jr., PhD, California State University, Long Beach, CA, Ilona S. Yim, PhD, University of California, Irvine, CA

293) Abstract 1142

DOES THE DRIVE FOR PERFECTION HURT? CHRONIC PAIN AND PERFECTIONISM IN A COMMUNITY SAMPLE

Sarah E. Collins, Master of Science, Health Psychology, Pacific University, Portland, OR

294) Abstract 1004

LINGUISTIC MARKERS OF EMOTION REGULATION AND THEIR RELATION TO CARDIOVASCULAR REACTIVITY

Joan K. Monin, PhD, Richard Schulz, PhD, Thomas B. Cook, MPH, University Center for Social and Urban Research, University of Pittsburgh, Pittsburgh, PA

295) Abstract 1750

ACUTE URINARY RETENTION PRECIPITATED BY BUPRENORPHINE/NALOXONE

Katherine T. Wallia, MD, Adekola O. Alao, MD, Psychiatry, Upstate Medical University, State University of NY, Syracuse, NY

296) Abstract 1742

PROTECTIVE EFFECTS OF OPTIMISM ON BASAL STRESS LEVELS AND STRESS REACTIVITY.

Yvo Meevissen, MSc, Madelon Peters, Professor, Clinical Psychological Science, Faculty of Psychology and Neuroscience, Maastricht, Netherlands

297) Abstract 1026

PARENT PERCEPTIONS THAT PAIN IS A THREAT PREDICT SOLICITOUS RESPONSES IN CHILD FUNCTIONAL ABDOMINAL PAIN (FAP)

Kimberly S. Swanson, Ph.D., Shelby Langer, Ph.D., School of Social Work, Joan Romano, Ph.D., Department of Psychiatry, Rona Levy, Ph.D., School of Social Work, University of Washington, Seattle, WA

298) Abstract 1123

PSYCHOLOGICAL STRESS AND ORAL HEALTH AMONG PREGNANT WOMEN OF LOW SOCIOECONOMIC STATUS

Lisa M. Christian, PhD, Psychiatry, The Ohio State University, Columbus, Ohio, Jay D. Iams, MD, Obstetrics and Gynecology, The Ohio State University Medical Center, Columbus, Ohio, Kyle Porter, MAS, Center for Biostatistics, Binnaz Leblebicioglu, College of Dentistry, The Ohio State University, Columbus, OH

299) Abstract 1131

PARTNERSHIP OR RIVALRY? - PSYCHOLOGICAL IMPLICATIONS OF THE RELATIONSHIP BETWEEN COUPLE AND PHYSICIAN 6 YEARS AFTER SUCCESSFUL DONOR INSEMINATION

Rupert Conrad, MD, Psychosomatic Medicine and Psychotherapy, University of Bonn, Bonn, Germany, Guntram Schilling, MD, Psychosomatic Medicine and Psychotherapy, Center of Rehabilitation Am Sprudelhof Bad Nauheim, Bad Nauheim, Germany

300) Abstract 1757

CHRONIC INFLAMMATION IS ASSOCIATED WITH LOWER PROACTIVE SEXUAL MOTIVATION IN U.S. RESIDENTS, AGE 57-85

Elissa H. Patterson, PhD, Psychiatry, Boston University School of Medicine, Boston, MA, Martha K. McClintock, PhD, Psychology, University of Chicago, Chicago, IL

301) Abstract 1212

STABILITY OF SELF-ESTEEM AND PHYSICAL SELF: EXAMINING THE ROLE OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE

Grégory Ninot, Pr, Psychology, Medicine, University of Montpellier, Montpellier, France

302) Abstract 1840

IMPACT OF CIGARETTE SMOKING, ANXIETY AND DEPRESSION ON ASTHMA CONTROL

Karine Ouellet, BA, Maxine Boudreau, BA, Annik Plourde, BA, Simon L. Bacon, PhD, Kim L. Lavoie, PhD, MDMC/Psychology/Exercise science, Hopital du Sacré-Coeur de Montréal/UQAM/Concordia, Montréal, Québec, Canada

303) Abstract 1139

SEX DIFFERENCES IN INFLAMMATION, DISTRESS, AND DISEASE OUTCOMES AMONG COPD PATIENTS PARTICIPATING IN PULMONARY EXERCISE REHABILITATION

Andrea K. Busby, Ph.D., Medical Psychology, Boston VA Healthcare System, Boston, MA, Charles F. Emery, Ph.D., Psychology, The Ohio State University, Columbus, OH

304) Abstract 1738

THE EFFECT OF DEPRESSIVE DISORDERS ON CHANGES IN BODY MASS INDEX IN ADULT PATIENTS WITH ASTHMA

Ariane Jacob, Bsc, Simon L. Bacon, Ph.D, Maxine Boudreau, BA, Kim L. Lavoie, Ph.D, MBMC/Psychology/Exercise Science, Hopital du Sacre-Coeur de Montreal/UQAM/Concordia, Montréal, Québec, Canada

305) Abstract 1775

A NOVEL INTERVENTIONAL STRATEGY TO IMPROVE STROKE AWARENESS: THE HIP HOP STROKE PROJECT

Olajide A. Williams, MD, Neurology, Columbia University College of Physicians and Surgeon, New York, NY, William Gerin, Ph.D., Biobehavioral Health, The Pennsylvania State University, University Park, PA, Alexandra L. DeSorbo, MPH, Neurology, Harlem Hospital, New York, NY, James N. Noble, MD, Neurology, Columbia University College of Physicians and Surgeon, New York, NY

306) Abstract 1367

MIGRAINE WITH AURA IN PMDD WOMEN: ASSOCIATION WITH HISTORY OF SEXUAL ABUSE.

Adomas Bunevicius, MD, Erin Richardson, BA, Jane Leserman, PhD, Susan Girdler, PhD, Department of Psychiatry, University of North Carolina at Chapel Hill, Chapel Hill, NC

307) Abstract 1071

THE INTERACTION OF ANXIETY AND DEPRESSION ON ENDOTHELIAL FUNCTION IN CARDIAC PATIENTS

Darren A. Mercer, Bachelor of Science, Psychology, McGill University, Montreal, Quebec, Canada, Kim L. Lavoie, PhD, Psychology, University of Quebec at Montreal, Montreal, QC, Canada, Blaine Ditto, PhD, Psychology, McGill University, Montreal, QC, Canada, André Arseneault, MD, Nuclear Medicine, Montreal Heart Institute, Montreal, QC, Canada, Simon L. Bacon, PhD, Exercise Science, Concordia University, Montreal, QC, Canada

308) Abstract 1829

MEASURING SYMPTOM BURDEN IN VALVE SURGERY PATIENTS

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

309) Abstract 1789

PSYCHOSOCIAL EXPERIENCE AND IMPACT OF RECOVERY AFTER CARDIAC SURGERY: PRELIMINARY ANALYSES

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

310) Abstract 1089

MENTAL STRESS AND EXERCISE STRESS LEAD TO DIFFERENT ECHOCARDIOGRAPHY-DERIVED LEFT VENTRICULAR FILLING PRESSURE ALTERATIONS IN CORONARY HEART DISEASE PATIENTS

Litong Qi, MD, Eric J. Velazquez, MD, Cardiology, Carolyn M. Martsberger, PhD, Biological Psychiatry, Zainab Samad, MD, Joseph Rogers, MD, Cardiology, Ranga Krishnan, MD, Psychiatry, Redford Williams, MD, Behavioral Psychiatry, Christopher M. O'Connor, MD, Cardiology, Wei Jiang, MD, Biological Psychiatry and Medicine, Duke University, Durham, NC

311) Abstract 1137

TYPE D PERSONALITY IS NOT ASSOCIATED WITH CORONARY HEART DISEASE RISK FACTORS IN RETIREMENT-AGE ADULTS

Noel C. Larson, B.A., Steven D. Barger, PhD, Sumner J. Sydemann, PhD, Psychology, Northern Arizona University, Flagstaff, AZ

312) Abstract 1662

INDIVIDUAL AND AREA SOCIOECONOMIC STATUS AND INFLAMMATORY MARKERS OF CARDIOVASCULAR DISEASE RISK IN MEXICAN AMERICAN WOMEN

Karla Espinosa de los Monteros, MS, Psychology, SSDU/UCSD JDP in Clinical Psychology, San Diego, CA, Linda C. Gallo, PhD, Addie L. Fortmann, MS, Smriti Shivpuri, MS, Psychology, SDSU/UCSD JDP in Clinical Psychology, San Diego, CA, Paul J. Mills, PhD, Psychiatry, Elizabeth Barrett-Connor, MD, Family and Preventive Medicine, University of California, San Diego, La Jolla, CA, Karen A. Matthews, PhD, Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA

313) Abstract 1171

DEPRESSIVE SYMPTOMS PREDICT ADIPONECTIN LEVELS OVER FIVE YEARS IN WOMEN.

Susan A. Everson-Rose, PhD, Cari J. Clark, ScD, Medicine, Hongfei Guo, PhD, Biostatistics & CTSI, Qi Wang, MS, CTSI, University of Minnesota, Minneapolis, MN, Peter Mancuso, PhD, Jared Goldberg, BS, Environmental Health Sciences, University of Michigan, Ann Arbor, MI, Joyce T. Bromberger, PhD, Epidemiology & Psychiatry, University of Pittsburgh, Pittsburgh, PA, Howard M. Kravitz, PhD, Psychiatry & Preventive Medicine, Rush University Medical Center, Chicago, IL, MaryFran Sowers, PhD, Epidemiology, University of Michigan, Ann Arbor, MI

314) Abstract 1703

RELATIONSHIPS BETWEEN PHYSICAL ACTIVITY, BODY FAT AND HEART RATE VARIABILITY WITH INTERLEUKIN-6

Sarosh J. Motivala, Ph.D., Cousins Center for Psychoneuroimmunology, UCLA Semel Institute, Los Angeles, CA, Leah FitzGerald, Ph.D., UCLA School of Nursing, Los Angeles, CA

315) Abstract 1434

NEIGHBORHOOD STRESS AND HYPERTENSION RISK: DOES PERCEIVED SUBORDINATION EXPLAIN THE LINK?

Gavin J. Elder, Master of Science, Mariam Parekh, BA, Jessica Schoolman, BA, Craig K. Ewart, Ph.D, Psychology, Syracuse University, Syracuse, NY

316) Abstract 1108

INFLUENCE OF HOSTILITY ON ACTIVITY-RELATED DIURNAL VARIATIONS IN BLOOD PRESSURE

Eimear M. Lee, MSc, Brian M. Hughes, PhD, Centre for Research on Occupational and Life Stress, National University of Ireland, Galway, Galway, Ireland

317) Abstract 1162

SOCIALLY RELEVANT TRAITS ARE MORE PREDICTIVE OF CARDIOVASCULAR STRESS RESPONSES THAN PERCEIVED SOCIAL SUPPORT

Ann-Marie Creaven, B.A. (Psych), Centre for Research, NUI Galway, Galway, Galway, Ireland, Brian M. Hughes, PhD, Centre for Research on Occupational Life Stress, National University Institutional Galway, Galway, Galway, Ireland

318) Abstract 1095

CHRONIC POSTTRAUMATIC STRESS AND ITS PREDICTORS IN PATIENTS WITH AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR: FINDINGS FROM THE THE LIVING WITH AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (LICAD) PROSPECTIVE STUDY

Roland von Känel, MD, General Internal Medicine, University Hospital, Bern, Switzerland, Jens Baumert, PhD, Epidemiology, Helmholtz Zentrum, Munich, Germany, Christoph Kolb, MD, Electrophysiology, Deutsches Herzzentrum, München, Germany, En-Young N. Cho, MD, General Internal Medicine, University Hospital, Bern, Switzerland, Karl-Heinz Ladwig, MD, PhD, Epidemiology, Helmholtz Zentrum, Munich, Germany

319) Abstract 1021

RESILIENCE ENHANCEMENT: A PILOT STUDY IN PATIENTS WITH AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR

Linda C. Vlay, DNP, NPP, Stony Brook University, Stony Brook, New York, Corrine Y. Jurgens, PhD RN ANP-BC FAHA, School of Nursing, Stony Brook University, Stony Brook, NY

320) Abstract 1395

VULNERABILITY AND PROTECTIVE FACTORS OF NON-RESILIENCE IN A SAMPLE OF PORTUGUESE PATIENTS WITH HEART FAILURE

Margarida Fontelongo Bento, MD, Internal Medicine, H.São Francisco Xavier, Faculty Ciências Médicas, UN, Lisbon, Portugal, Cândida Fonseca, PhD, Internal Medicine, H.São Francisco Xavier, Faculty Ciência Médicas, UN, Lisbon, Portugal, Inês Araujo, MD, Internal Medicine, H.São Francisco Xavier, Faculty Ciências Médicas, UN, Lisbon, Portugal, Filipa Marques, MD, Internal Medicine, H.São Francisco Xavier, Faculty Ciências Médicas, UN, Lisbon, Portugal, Ana Leitão, MD, Internal Medicine, H.São Francisco Xavier, Faculty Ciências Médicas, UN, Lisbon, Portugal, António Mendes Pedro, PhD, Psychology, University Autonomia, Lisbon, Portugal, Ricardo Gusmão, PhD, Psychiatry, Faculty of Ciências Médicas, UN, Lisbon, Portugal, Paul J. Mills, PhD, Psychiatry, University of California, San Diego, CA, William Gerin, PhD, Biobehavioral Health, University of Pennsylvania, Pennsylvania, Fátima Ceia, PhD, Internal Medicine, H.São Francisco Xavier, Faculty Ciências Médicas, UN, Lisbon, Portugal

321) Abstract 1808

INFLUENCE OF SPACEFLIGHT ON PLASMA VOLUME AND HEMOCONCENTRATION OF IMMUNE CELLS AND SOLUBLE ADHESION MARKERS

Stephen M. Patterson, Ph.D., Psychology, Ohio University, Athens, Ohio, Michael G. Ziegler, Ph.D., Psychiatry and Medicine, University of California, San Diego, San Diego, California, Anthony W. Austin, M.A., Psychology, Ohio University, Athens, Ohio, Paul J. Mills, Ph.D., Psychiatry and Medicine, University of California, San Diego, San Diego, California

322) Abstract 1228

LIFESTYLE INTERVENTIONS IMPROVE HEART RATE RECOVERY IN HYPERTENSION

Kate M. Edwards, PhD, Kathleen L. Wilson, MS, Julie Sadjja, MS, Joel E. Dimsdale, M.D, Psychiatry, Michael G. Ziegler, M.D, Medicine, Paul J. Mills, PhD, Psychiatry, University of California. San Diego, La Jolla, CA

7:00 pm

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1996: Julian F. Thayer, PhD
1997: Susan Everson, PhD
1998: Willem Kopp, PhD
1999: Alan J. Christensen, PhD
2000: Shari R. Waldstein, PhD
2001: Susan S. Girdler, PhD
2002: Susan K. Lutgendorf, PhD
2003: Dominique L. Musselman, MD
2004: Mustafa al'Absi, PhD
2005: Gregory E. Miller, PhD
2006: Mary A. Whooley, MD
2007: Roland von Kaenel, MD
2008: Peter Gianaros, PhD
2009: Brigitte M. Kudielka, PhD
2010: Anna Phillips, PhD
2011: Naomi Eisenberger, PhD

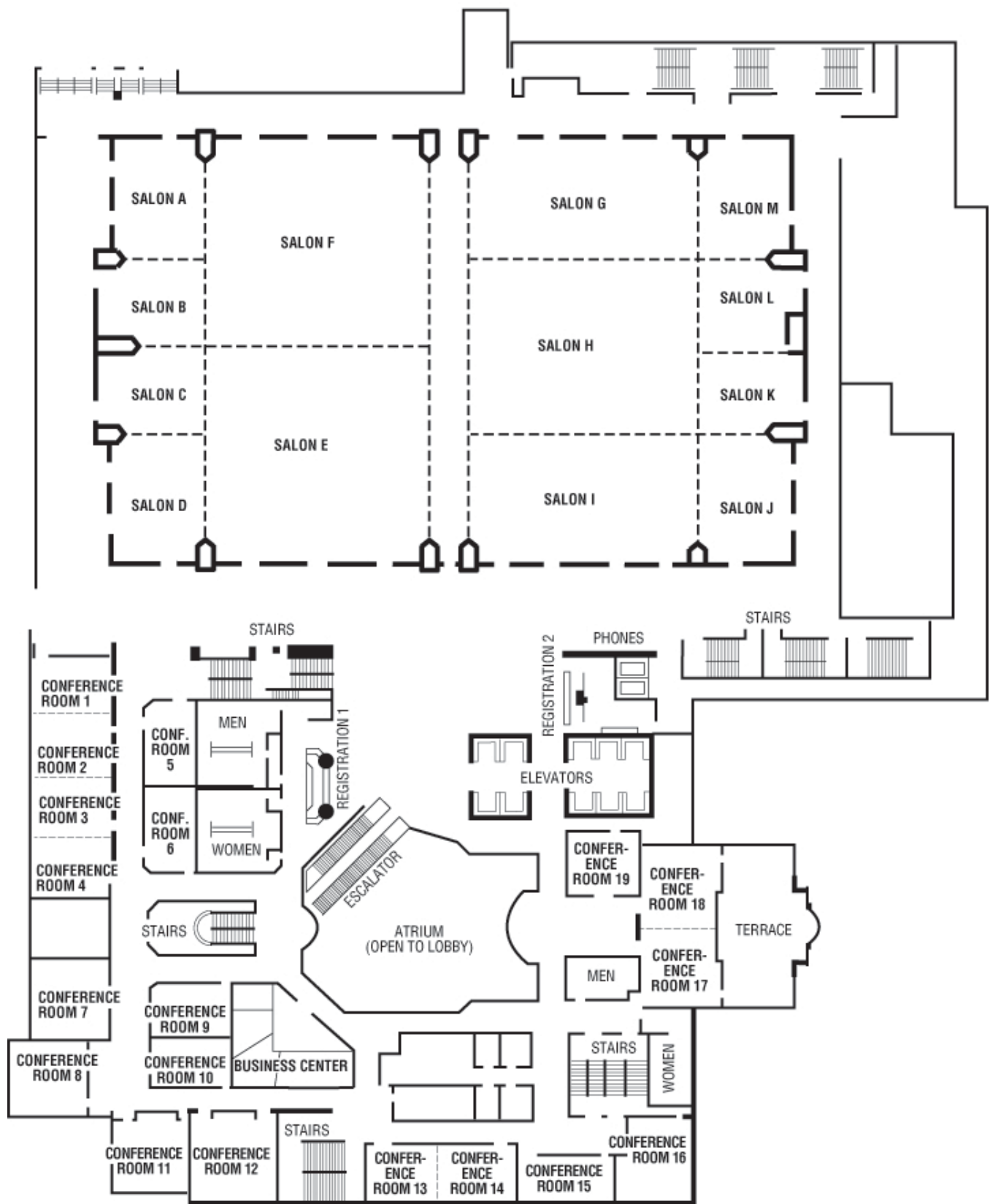
President's Award Recipients

1997: Monica Montgomery
1998: Dr. Bernard Lown
1999: Dr. David Hamburg
2000: Dr. John Mason
2001: Dr. Bruce S. McEwen
2002: Dr. David Shapiro
2003: Dr. Douglas A. Drossman
2004: Dr. Arthur J. Barsky
2005: Dr. Karen A. Matthews
2006: Dr. Hugo D. Critchley
2007: Dr. Wayne Katon
2008: Dr. Leanne Williams
2009: no award given
2010: Dr. Thomas Pickering, posthumously
2011: no award given

Please see pages 4 through 6 for a listing of recipients of the APS travel and scholarship awards.

Hotel Floor Plan

Third Floor



American Psychosomatic Society 70th Annual Scientific Meeting

March 14 - 17, 2012

Athens, Greece



The Call for Abstracts will be available summer 2011 with a due date of early October 2011. Keep yourself informed by frequently visiting www.psychosomatic.org.

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