### American Psychosomatic Society

*Integrating mind, brain, body and social context in medicine since 1942*

#### 74th Annual Scientific Meeting

*Translating Research into Practice: from Bench to Policy*

**March 9-12, 2016**  
**Denver, CO, USA**

### WEDNESDAY MARCH 9

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:00am – 6:45pm</td>
<td>Registration</td>
<td>Third Floor</td>
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<tr>
<td>8:00am – 12:00pm</td>
<td>Young Investigator Colloquium</td>
<td>Room: Molly Brown/Horace Tabor</td>
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<tr>
<td>8:00am – 12:00pm</td>
<td>APS Council Meeting</td>
<td>Room: Boardroom</td>
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<tr>
<td>12:30pm – 4:30pm</td>
<td>Half-Day Workshops</td>
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<tr>
<td>12:30pm – 4:30pm</td>
<td>Medical Workshop - Peripheral and Central Inflammation: Implications for Health And Disease</td>
<td>Room: Lawrence B</td>
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<td>Developed by the Professional Education Committee</td>
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<td></td>
<td>Co-chairs: Nina Kupper, PhD and Greg Thorkelson, MD</td>
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<td>Faculty: JJ Cohen, MD, PhD, Anna Marsland, PhD, Linda Watkins, PhD</td>
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<tr>
<td>5:30pm – 6:45pm</td>
<td>Welcome and Opening Session</td>
<td>Room: Confluence Ballroom</td>
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<tr>
<td>7:00pm – 8:30pm</td>
<td>Citation Poster Reception</td>
<td>Room: Platte River</td>
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### THURSDAY MARCH 10

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<tr>
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<tr>
<td>7:00am – 5:00pm</td>
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<tr>
<td>7:00am – 7:45am</td>
<td>Wellness Session #1: Ashtanga Yoga</td>
<td>Room: Blake</td>
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<tr>
<td>7:00am – 8:00am</td>
<td>Sunrise Series #1: Academic Writing for Trainees</td>
<td>Room: Molly Brown</td>
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<tr>
<td>7:00am – 8:00am</td>
<td>Continental Breakfast</td>
<td>Room: Curtis</td>
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<tr>
<td>8:15am – 9:15am</td>
<td>Plenary Address</td>
<td>Room: Confluence Ballroom</td>
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<tr>
<td>9:30am – 10:30am</td>
<td>Plenary Address</td>
<td>Room: Confluence Ballroom</td>
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### Additional Information

- **mHealth Technologies and Behavioral Measurement**  
  Chair: David W. Wetter, PhD  
  Faculty: Donna Spruijt-Metz, PhD, Emre Ertin, PhD, James Clawson, PhD, Pedrag Klasnja, PhD, Parisa Rashidi, PhD  
  Room: Lawrence A

- **Distinguished Scientist Award Lecture:**  
  "The Mind-Body Problem -- Progress Report 57 years on"  
  Introduction: Neil Schneiderman, PhD  
  Speaker and Award Recipient: Redford Williams, MD

- The recipients of the 2016 APS travel scholarships and honor awards will be recognized during this session.
10:45am – 12:00pm Concurrent Sessions

Symposium 1270 / FROM COUPLES TO COMMUNITIES: UNDERSTANDING HOW SOCIAL ENVIRONMENTS INFLUENCE SLEEP
Chair: Wendy M. Troxel, PhD
Discussant: Lauren Hale, PhD
Room: Confluence A/B

1438 / Sleep Disturbances Mediate the Association Between Marital Status and C-Reactive Protein (CRP)
Allison M. Tackman, PhD

1443 / Does Sleep Disturbance Among Parents of Infants Predict Increased Depressive Symptoms?
Zachary Blackhurst, BS

1564 / A Tale of Two Neighborhoods: Neighborhood Disadvantage and Sleep in Two Urban Neighborhoods
Wendy M. Troxel, PhD

1439 / Chronic Psychosocial and Sociocultural Stress and Sleep Disturbances in the HCHS/SOL- Sociocultural Ancillary Study
Carmela Alcantara, PhD

Symposium 1083 / CURRENT DIRECTIONS IN HEALTH NEUROSCIENCE
Co-chairs: Tristen K. Inagaki, PhD and Keely A. Muscatell, PhD
Room: Confluence C

1087 / Social Support and Health: Associations Between Giving and Receiving Support and Stress-Related and Reward-Related Neural Activity
Tristen K. Inagaki, PhD

1086 / Links Between Inflammation, Amygdala Reactivity, and Social Support in Breast Cancer Survivors
Keely A. Muscatell, PhD

1084 / Antioxidant and Inflammatory Pathways Link Socioeconomic Disadvantage to Brain Morphology
Peter J. Gianaros, PhD

1085 / Alterations in Resting State Functional Connectivity link Mindfulness Meditation with Reduced Interleukin-6: A Randomized Controlled Trial
David Creswell, PhD

Symposium 1031 / NEW FRONTIERS IN SOCIAL COGNITION, SOCIAL BEHAVIOR, AND HEALTH
Chair: David A. Sbarra, PhD
Room: Lawrence A

1223 / Family Conflict and Proinflammatory Gene Expression in Parents
Theodore F. Robles, PhD

1226 / Married with Children; Are Children Pro- of Anti-inflammatory Agents?
John M. Ruiz, PhD

1143 / Intranasal Oxytocin, Online Social Networks, and Cardiovascular Functioning
Julianne Holt-Lunstad, PhD

1568 / Experiential Over-involvement and Sleep Problems Following Marital Separation
David Sbarra, PhD

Symposium 1428 / NEW INSIGHTS INTO PSYCHOBIOLOGICAL MECHANISMS UNDERLYING PRENATAL INFLUENCES ON BIRTH OUTCOME AND CHILD DEVELOPMENT
Chair: Laura M. Glynn, PhD
Discussant: Curt Sandman, PhD
Room: Lawrence B

1650 / Pregnancy Anxiety, Corticotropin Releasing Hormone in Pregnancy, and Timing of Delivery in Latina and White Women
Isabel Ramos, BA

1429 / A Novel Approach to Understanding the Mechanisms by Which Early Life Stress Affects Development
Elysa Davis, PhD

1678 / Maternal Prenatal Mood Entropy Predicts Infant Negative Affectivity and Maternal and Child Report of Internalizing Symptoms
Laura Glynn, PhD

1685 / Prenatal Maternal Depression: Accelerated Development in Fetal Neurobehavior and Fronto-Limbic Connectivity in Neonates
Jonathan Posner, MD

Paper Session: SLEEP, CANCER AND INFLAMMATION
Chair: Martica Hall, PhD
Room: Molly Brown/Horace Tabor

1670 / Change in Pro-Inflammatory Gene Expression over 12-Months Predicts Fatigue Severity in Distressed Women with Non-Metastatic Breast Cancer
Chelsea R. Amiel, BA

1344 / Inflammation and Disrupted Actigraphic Rest-Activity Patterns in Women Recovering from Endometrial Cancer Surgery
Erin S. Costanzo, PhD

1539 / Daytime Dysfunction Associated with Preoperative Sleep Disturbance Predicts Postoperative Length of Hospital Stay Among Women Undergoing Surgery for Suspected Gynecologic Cancer
Elizabeth L. Kacel, MS

1449 / Associations Between Sleep Disturbance and the Severity of Persistent Breast Pain: An Analysis of the Role of Anxiety, Depression, and Pain Catastrophizing in Women with a History of Breast Cancer Surgery
Matthew R. Cribbet, PhD

1312 / Psychological Distress and Malnutrition Biomarkers are Associated with Head and Neck Cancer Progression and Survival
Abbigail B. Pace, BS

12:00pm – 12:30pm Lunch Break

If you are attending a Roundtable Discussion, please take this time to purchase lunch from the hotel’s a la carte lunch table, set up for APS (sandwiches, salads, chips, etc.), or from one of the restaurants located nearby the hotel.
12:30pm – 1:30pm   Roundtables or Free time

RT #1: Discussion with Dean Ornish
Facilitator: Dean Ornish, MD
Room: Curtis

RT #2: Stress Measurement in the 21st Century
Organizers and Facilitators: Elissa S. Epel, PhD, George M. Slavich, PhD, Alexandra D. Crosswell, PhD, Tara L. Gruenewald, PhD, Aric A. Prather, PhD, Eli Puterman, PhD
Room: Augusta

1:30pm – 2:30pm   Concurrent Sessions

Invited Symposium: NEUROINFLAMMATION:
MECHANISMS AND MODELS, FROM ANIMALS TO HUMANS
Chair: Tor Wager, PhD
Speakers: Jeffrey Meyer, MD, PhD, Kevin J. Tracey, MD, and Linda R. Watkins, PhD
Room: Confluence A/B

Paper Session: THE PSYCHOBIOLOGY OF THE HEART
Chair: Peter Shapiro, MD
Room: Confluence C

Abstract 1248 / Anxiety Disorders and Stressful Life Events are Stronger Predictors of Incident CVD at Younger Versus Older Adult Ages: Data From the NESARC Study
Jessica Berntson, MS

1604 / Activated Positive Affect Associated with Exaggerated Shortening of Ventricular Repolarization Duration in Patients with Congenital Long QT Syndrome
Richard D. Lane, MD, PhD

1147 / Associations Between Psychological Constructs and Cardiac Biomarkers after an Acute Coronary Syndrome
Christopher M. Celano, MD

1133 / Greater Daily Experiences of Respect and Appreciation from Others is Associated with Less Intima-Media Thickness
Jenny M. Cundiff, PhD

Symposium 1105 / PHYSIOLOGICAL AND BEHAVIORAL STRESS REACTIVITY IN INFANTS AS A FUNCTION OF PRENATAL STRESS EXPOSURE
Chair: Gerald F. Giesbrecht, PhD
Discussant: Elysia Davis, PhD
Room: Lawrence A

1106 / Prenatal Exposure to Cultural Stressors and Maternal Mental Health are Associated with Physiological and Behavioral Stress Reactivity in Infants of Mexican Descent
Kimberly D’Anna-Hernandez, PhD

1235 / Effects of Pre and Post-natal Maternal Stress on Infant Temperamental and Autonomic Nervous System Reactivity In a Diverse, Low-Income Sample
Nicole Bush, PhD

1234 / The Effect of Pregnancy Anxiety on Infant Temperament and Emotion Regulation: Implications for Cortisol Reactivity to Stress
Jenna Thomas, MSc

Paper Session: SLEEP AND HEALTH
Chair: Aric Prather, PhD
Room: Lawrence B

1490 / Intraindividual Variability in Actigraphy-Assessed Sleep is Related to Allostatic Load
Bei Bei, DPsych( Clinical), PhD

1522 / African Genetic Ancestry is Associated with High Frequency Sleep Heart Rate Variability in African Americans
Indrani Halder, PhD

1529 / Poor Sleep Quality and Parenting Stress Predict Enhanced LPS-Stimulated Cytokine Production Among Women During Postpartum
Lisa M. Christian, PhD

1302 / Sleep and Fatigue in Chronic Fatigue Syndrome
Alison J. Wearden, PhD

Paper Session: LEARNING FROM HEALTHY POPULATIONS
Chair: Jesse Stewart, PhD
Room: Molly Brown

1320 / Somatic Symptom Disorder in the General Population: Associations with Medical Status and Health Anxiety Using the SSD-12
Willem J. Kop, PhD

1628 / Anxiety Sensitivity, Stress, and 6-Month Exercise Behavior in Healthy Adults
Carmela Alcantara, PhD

1362 / Association of Blood Lipids Fractions with Depressive Symptom Clusters and Individual Symptoms in Men and Women in the United States: National Health and Nutrition Examination Survey (NHANES) 2005-2012
Jay S. Patel, BA

1161 / Positive Psychological Functioning and Healthy Biology: Well-Being and Hdl-C
Jackie Soo, MPH

2:45pm – 3:45pm   Concurrent Sessions

Symposium 1354 / IDENTIFYING NOVEL ENDOGENOUS MECHANISMS SUPPORTING THE COGNITIVE MODULATION OF PAIN
Chair and Discussant: Tor Wager, PhD
Room: Confluence A/B
Paper Session: DEPRESSION AND INFLAMMATION
Chair: George Slavich, PhD
Room: Lawrence B

1605 / Depression and Inflammation: Which Comes First? A Longitudinal Monozygotic Twin Difference Study
Shaoyong Su, PhD

1099 / Differential Autonomic Nervous System Reactivity in Depression and Anxiety During Stress Depending on Type of Stressor
Mandy X. Hu, MSc

1577 / Gender Differences in the Relationship Between Depressive Symptoms and LPS-Induced Inflammation
Marzieh Majd, PharmD

1100 / Predictive Value Of Autonomic Basal and Stress Reactivity Values for Increase in Metabolic Syndrome Components Over Time
Mandy X. Hu, MSc

Paper Session: ADVERSE CHILDHOOD EXPERIENCES
Chair: Danielle Beatty, PhD
Room: Molly Brown

1580 / Morphological And Resting Brain Alterations In Localized Provoked Vulvodynia (LPVD) Are Associated With Early Adversity
Arpana Gupta, PhD

1166 / Early-Life Adversity Interacts with Fkbp5 Genotypes: Gene-By-Environment Interaction in the Oklahoma Family Health Patterns Project
William R. Lovallo, PhD

1471 / Impact of Early Life Adversity on DNA Methylation of the Oxytocin Receptor Gene and their Associations with Childhood Trajectories of Anxiousness and Disruptiveness
Jean-Philippe Gouin, PhD

1237 / Adult Health Consequences of Childhood Bullying and Victimization in Black and White Men
Karen A. Matthews, PhD

Paper Session: EMOTION REGULATION
Chair: Sarah Pressman, PhD
Room: Horace Tabor

1641 / Increased Time Spent in Poverty is Associated with Impaired Emotion Recognition in Middle Childhood
Andrew Erhart, MA

1059 / Early Life Adversity and Diurnal Cortisol Profiles Across the Lifespan: Self-Esteem as a Psychological Pathway
Samuele Zilioli, PhD
THURSDAY MARCH 10  continued  page 5

1294 / Acetaminophen Increases Risk-Taking Behavior Via Reduced Sensitivity to Loss  
Alexis A. Keaveney, BS

5:00pm – 5:30pm  Wellness Session #2: Mindfulness Meditation 
Instructor: Jeff Greeson, PhD  
Room: Blake

1457 / The Inhibitory Effect of Facebook Use on Stress Recovery: A Pilot Study 
Jitske Tiemensma, PhD

APS Diversity Initiative Meeting 
Room: Curtis

3:45pm – 4:00pm  Break

4:00pm – 5:00pm  Plenary Address

Invited Symposium: TRANSLATING RESEARCH INTO PRACTICE: FROM BENCH TO POLICY: A CONVERSATION  
Co-Chairs: Peter Shapiro, MD and Bruce Rollman, MD 
Speakers: Roger Kathol, MD, Mark L. Laudenslager, PhD, and Marshall Thomas, MD  
Room: Confluence Ballroom

FRIDAY MARCH 11

7:00am – 5:00pm  Registration  
Third Floor

7:00am – 7:45am  Wellness Session #3: MBSR 
Instructor: Eric Loucks, PhD  
Room: Blake

7:00am – 8:00am  Sunrise Series #2: Late-Stage Graduate School Advice 
Organizers: Emily Hooker, PhD, Tim Williamson, PhD 
Facilitators: Sally Dickerson, PhD, Wendy Troxel, PhD, and Peggy Zoccola, PhD  
Room: Molly Brown

APS Awards Committee Meeting  
Room: Confluence Ballroom

7:00am – 8:00am  Continental Breakfast  
Third Floor Foyer

8:15am – 9:15am  President’s Address

STRESS AND ADDICTION: WHEN A MELLOW RESPONSE MIGHT BE HARSH! 
Introduction: Prof. Dr. Stephan Bongard 
Speaker: Mustafa al’Absi, PhD  
Room: Confluence Ballroom

9:30am – 10:30am  Plenary Address

Mapping Reflexes in Immunity: The Coming of Bioelectronic Medicine 
Introduction: Richard Lane, MD, PhD  
Speaker: Kevin J. Tracey, MD  
Room: Confluence Ballroom

10:30am – 10:45am  Break

10:45am – 12:00pm  Concurrent Sessions

Symposium 1091 / WHEN THOUGHTS CAN BREAK YOUR HEART: MECHANISMS LINKING PERSEVERATIVE COGNITION TO HEALTH RISK 
Co-chairs: Jos F. Brosschot, PhD and Julian F. Thayer, PhD 
Discussant: Peggy Zoccola, PhD  
Room: Confluence A/B

1202 / The Effects of Perseverative Cognition on Diverse Physiological Responses: An Integrative View 
Julian F. Thayer, PhD

1201 / Hemodynamic Profiles of Adaptive and Maladaptive forms of Perseverative Cognition: Implications for Health 
Cristina Ottaviani, PhD

1212 / Examining Ethnic Differences in the Hemodynamic Profile of State Perseverative Cognition 
LaBarron K. Hill, PhD

1203 / Prolonged non-Metabolic Heart Rate Variability Reduction as a Physiological Marker of Psychological Stress in Daily Life 
Bart Verkuil, PhD

Symposium 1168 / BIOPSYCHOSOCIAL APPROACHES TO CARDIOVASCULAR HEALTH: INTEGRATION ACROSS POPULATION-BASED STUDIES 
Chair: Jennifer Morozink Boylan, PhD  
Discussant: Karen Matthews, PhD  
Room: Confluence C

1216 / Sexual Activity in People with Coronary Heart Disease 
Andrew Steptoe, DPhil
1213 / Neighborhood Socioeconomic Status and Ideal Cardiovascular Health in the MIDUS Study
Jennifer Morozink Boylan, PhD

1215 / Do Positive Emotions and Optimism Protect Favorable Cardiovascular Health Across Time? Findings from the Coronary Artery Risk Development in Young Adults (CARDIA) Study
Julia K. Boehm, PhD

1214 / Inflammation Partially Mediates the Longitudinal Relationship Between Chronic Conditions and Disability
Elliot Friedman, PhD

Paper Session: THE PSYCHOBIOLOGY OF DIABETES
Chair: Kazu Yoshiuchi, MD, PhD
Room: Lawrence A

1592 / Depression Amplifies the Influence of Central Adiposity on Diabetes Risk 10 Years Later: Findings from MIDUS
Vera Tsenkova, PhD

1426 / Immigrant Status is Associated with Differences in Diabetes Treatment: Data from the Continuous National Health and Nutrition Examination Survey (NHANES)
Loretta Hsueh, MA

1368 / Profiles of Disordered Eating Behaviors in Type 1 Diabetes
Natalia O. Dmitrieva, PhD

1546 / Evening Chronotype is Associated with Insulin Resistance in Adults Without Recurrent Depression
Briana J. Taylor, MS

1328 / Cortisol in Hair Predicts Type 2 Diabetes Status in African-American Adults
Matthew Lehrer, MS

Paper Session: THE PSYCHOBIOLOGY OF PREGNANCY
Chair: Tim Williamson, MA, MPH
Room: Lawrence B

1184 / Prenatal Cortisol Exposure and Infant Cortisol Reactivity: Moderation by Maternal Partner Support
Jenna C. Thomas, MSc

1177 / Sexually Dimorphic Effects of Prenatal Maternal Cortisol and Psychological Distress on Infant HPA-AXIS
Julia C. Poole, BA (Honours)

1269 / Prenatal Glucocorticoid Administration Influences Child HPA AXIS Regulation
Michelle N. Edelmann, PhD

1451 / Indifferent Romantic Partner Relationships and Emerging Pro-Inflammatory Phenotype During the Third Trimester of Pregnancy
Kharah M. Ross, PhD

1139 / Pre-Pregnancy Body Mass Index and Gestational Weight Gain Mediate the Associations Between Neighborhood Socioeconomic Status and Birth Outcomes
Zahra M. Clayborne, BSc (Hons)

Symposium 1067 / BIOLOGICAL AND BEHAVIORAL INTERMEDIARIES LINKING RELATIONSHIP PROCESSES TO PSYCHOSOMATIC HEALTH
Chair: Rebecca G. Reed, PhD
Room: Molly Brown/Horace Tabor

1069 / Novel Evidence Linking Social Disconnection to Appetite Regulation and Diet
Lisa M. Jaremka, PhD

1068 / Low Dose Aspirin Reduces Cardiovascular Reactivity and Depressed Mood in Acutely Bereaved: A Pilot Study
Mary-Frances O’Connor, PhD

1071 / Couples’ Reactivity and Diurnal Recovery from Interpersonal Stress
Rebecca G. Reed, PhD

1070 / Intranasal Oxytocin and Social Cognition Processes in Couples
Beate Ditzen, PhD

12:00pm – 12:30pm Lunch Break

If you are attending a Roundtable Discussion, please take this time to purchase lunch from the hotel’s a la carte lunch table, or from one of the restaurants located nearby the hotel.

12:00pm – 1:30pm Class of 2016 Young Investigator Colloquium Lunch (invitation only)
Room: Blake

12:30pm – 1:30pm Roundtables/ Meetings/ Free time

RT#3: Psycho-Oncology
Facilitators: Karen Weils, MD, Paige Green, PhD; Lorenzo Cohen, PhD
Room: Curtis

Developmental Origins of Health and Disease SIG Meeting
Room: McCourt

1:30pm – 2:30pm Concurrent Sessions

Invited Symposium: BEHAVIORAL INTERVENTIONS IN HEALTH
Sponsored by the APS Diversity Initiative
Chair: Tené Lewis, PhD
Speakers: Lisa Lewis, PhD, Joseph E. Ravenell, MD and Nicole A. Vaughn, PhD
Room: Confluence A/B
Paper Session: ONCOLOGY: FROM GENES TO NEUROPATHY
Chair: Karen Weihs, MD
Room: Confluence C

1142 / Stress Management-Associated Reductions in Pro-Metastatic and Pro-Inflammatory Leukocyte Gene Expression Predict 11-Year Risk of Death in Breast Cancer Patients
Laura C. Bouchard, MS

1635 / Threat and Reward-Related Neural Responses are Associated with Inflammatory Gene Expression in Breast Cancer Survivors and Healthy Controls
Julienne E. Bower, PhD

1608 / Ovarian Cancer Survivors with Symptoms of Peripheral Neuropathy Also Have Higher Levels of Symptoms Consistent with Vagal Neuropathy
Dana H. Bovbjerg, PhD

1567 / Neurofeedback as Treatment for Chronic Chemotherapy-Induced Peripheral Neuropathy (CIPN)
Sarah Prinsloo, PhD

Paper Session: PRENATAL HEALTH
Chair: Michele Okun, PhD
Room: Lawrence A

1668 / The Impact of Perceived Stress on Ambulatory Blood Pressure in Normotensive Pregnant Adolescents
Julie Spicer, PhD

1695 / Prenatal Endocrine Predictors of Symptom Clusters in Postpartum Depression
Molly Fox, PhD

1581 / Acculturation, Blunted Maternal Cortisol Levels on Infants Stress Response Cortisol Levels in the Mexican-American Population
Meylin Melchor, BA

1694 / CBSM Effects on Stress Outcomes Among Low-Income Mothers: Role of Ethnicity and Prenatal Anxiety
Guido Urizar, PhD

Symposium 1348 / POST-TRAUMATIC STRESS DISORDER AND CARDIOVASCULAR DISEASE
Chair: Donald Edmondson, PhD
Discussant: Viola Vaccarino, MD, PhD
Room: Lawrence B

1553 / Trauma Exposure, Posttraumatic Stress Disorder Symptoms, and Risk of Venous Thromboembolism in Women: Finding from the Nurses Health Study II
Jennifer A. Sumner, PhD

1560 / Posttraumatic Stress Disorder and Nonadherence to Medications: A Meta-Analytic Review
Ian M. Kronish, MD

1352 / Prevention of Posttraumatic Stress Attributable to Acute Myocardial Infarction: Data from the MI-SPRINT Randomized Controlled Trial
Roland von Känel, MD

Paper Session: BRAIN, BODY, ENVIRONMENT INTERACTIONS
Chair: Eric Loucks, PhD
Room: Molly Brown/Horace Tabor

1397 / Brain Bases of Two Components of Compassion: Implications for the Patient-Provider Relationship
Yoni K. Ashar, MA

1558 / Stressor-Evoked Interleukin-6 Reactivity Correlates with Brainstem Activation in Healthy Midlife Adults
Kimberly G. Lockwood, BA

1655 / Socioeconomic Disadvantage and Neural Reactivity to Social Threats: Associations with Hostile Social Attributional Bias in Middle Childhood
Pilyoung Kim, PhD

1594 / Functional Neuroimaging of Human Brain-Immune Interactions: A Quantitative Meta-Analysis
Thomas E. Kraynak, BA

2:45pm – 4:00pm Plenary Address
Cannabis and Cannabinoid Science in the 21st Century: Health, Medicine and the Controversies
Introduction: Joel Dimsdale, MD
Speakers: Sunil Kumar Aggarwal, MD, PhD, Margaret Haney, PhD, H. Valerie Curran, PhD, and Kevin M. Gray, MD
Room: Confluence Ballroom

4:00pm – 4:15pm Break

4:15pm – 5:00pm Concurrent Sessions

Paper Session: PAIN
Chair: Jeff Huffman, MD
Room: Confluence A/B

1124 / Chronic Pain is Associated with Loneliness and Reduced Social Functioning
Ian A. Boggero, MS

1238 / The Impact of Anxiety Disorders on Work Productivity Amongst Non-Cardiac Chest Pain Patients
Alix Félin-Germain, BA

1314 / How Does our Definition of Recurrent Non-Cardiac Chest Pain Affect its Prevalence and Clinical Relevance?
Guillaume Foldes-Busque, PsyD, PhD

Paper Session: PSYCHO-ONCOLOGY
Chair: Kathrin Milbury, PhD
Room: Confluence C

1673 / Reactions to a New Cancer Caregiver Role Differentially Related to Objective and Subjective Physical and Mental Health
Hannah-Rose Mitchell, MPH
1268 / Cognitive Behavioral Stress Management Effects on Mood in Breast Cancer Patients Presenting with Elevated Cancer-Specific Distress in the Weeks after Surgery
Ashley W. Wang, PhD

1051 / Reductions in Leukocyte Adversity-Related Gene Expression with Stress Management During Primary Treatment for Breast Cancer Predict Greater Disease Free Survival at 11yr Follow-Up
Michael H. Antoni, PhD

Paper Session: GET MOVING
Chair: Nina Kupper, PhD
Room: Lawrence A

1585 / Improving Cognitive Performance Via High Intensity Aerobic Exercise: A Randomized Controlled Trial
Gerardo F. Ferrer, MD

1200 / Sit, Step, Sweat: Associations of Anxiety and Depression with Sedentary Behavior and Physical Activity Over Six Years
Sarah Hiles, PhD

1298 / Testing the Reserve Capacity Model in the Midlife in the United States Study
Joshua F. Wiley, PhD

Paper Session: THE PSYCHOBIOLOGY OF HYPERTENSION
Chair: Dick Jennings, PhD
Room: Lawrence B

1511 / Children's Cardiometabolic Risk Predicted by Psychosocial Stress Reports and Stress Biomarkers
Nathalie Michels, PhD

5:00pm – 5:30pm  Wellness Session #4: Tai Chi
Instructor: Crista Crittenden, PhD
Room: Blake

5:30pm – 7:00pm  Poster Session 2
Posters # 134 - # 230 will be presented
Room: Platte River

7:30pm  Past Leaders Dinner
Offsite (invitation only)

SATURDAY MARCH 12

7:00am – 5:00pm  Registration
Third Floor

7:00am – 7:45am  Wellness Session #5: Gentle Hatha Yoga
Instructor: Linda Carlson, PhD
Room: Blake

7:00am – 8:00am  2017 Program Committee Meeting
Room: Curtis

7:00am – 8:00am  Continental Breakfast
Third Floor Foyer

8:15am – 9:15am  APS Members Meeting
Room: Confluence Ballroom

9:30am – 11:40am  Awards Presentations
Room: Confluence Ballroom

Patricia R. Barchas Award Lecture
Introduction: Karina Davidson, PhD
Speaker and Award Recipient: Elizabeth Brondolo, PhD

Paul D. McLean Award Lecture
Introduction: William Lovallo, PhD and Arpana Gupta, PhD
Speaker and Award Recipient: Emeran A. Meyer, MD

Herbert E. Weiner Early Career Award Lecture
Introduction: Lis Nielsen, PhD
Speaker and Award Recipient: George Slavich, PhD
12:00pm – 12:30pm  Lunch Break
If you are attending a Roundtable Discussion, please take this
time to purchase lunch from the hotel’s a la carte lunch table, or
from one of the restaurants located nearby the hotel.

12:30pm – 1:30pm  Roundtables or Free time

RT #4: Scientific Integrity and Replication in
Psychosomatic Medicine
Facilitators: Wijo Kop, PhD, Emily Hooker, PhD and Tim
Williamson, PhD
Room: Blake

RT#  5: Discussion with MacLean Award Recipient
Facilitators: Emeran A. Mayer, MD and Richard Lane, MD, PhD
Room: McCourt

1:30pm – 2:30pm  Concurrent Sessions

Symposium 1205 / EARLY LIFE SOCIAL ENVIRONMENT
AND CARDIOVASCULAR RISK FACTORS FOR DISEASE IN
ADULTHOOD: PROSPECTIVE AND LONGITUDINAL
FINDINGS
Chair: Jenny M. Cundiff, PhD
Discussant: Craig Ewart, PhD
Room: Confluence A/B

1208 / Positive Parenting in Adolescence Mediates the
Association between Childhood SES and Adult Health
Behaviors and Psychological Resources: Results from a
Prospective, Longitudinal Study
Jennifer Morozink Boylan, PhD

1209 / Childhood SES and Age as Moderators of Changes in
Inflammatory Markers over Time among Middle-Age Adults
Neha A. John-Henderson, PhD

1206 / Greater Social Integration During Childhood is
Prospectively Associated with Lower Blood Pressure in Men in
Adulthood
Jenny M. Cundiff, PhD

Paper Session: NEUROSCIENCE OF CONNECTION
Chair: Naomi Eisenberg, PhD
Room: Confluence C

1601 / Circulating Interleukin-6 Covaries with Resting Brain
Network Connectivity and Topology in Midlife Adults
Thomas E. Kraynak, BA

1500 / Holding Hands Alleviates Pain and Reduces Pain-
Specific Brain Responses
Marina Lopez Sola, PhD

1653 / Associations Among Poverty, Stress, and Maternal Brain
Sensitivity to Infant Cry
Pilyoung Kim, PhD

1501 / Identifying a Brain Marker for Fibromyalgia Using Brain
Responses to Pain and Multisensory Stimulation
Marina Lopez Sola, PhD

Paper Session: THE PSYCHOBIOLOGY OF
CARDIOVASCULAR DISEASE
Chair: Annie Ginty, PhD
Room: Lawrence A

1058 / Adverse Childhood Experiences and Pathways to Long-
Term Cardiovascular Disease Risk
Jenalee Doom, MA

1310 / Delayed Effects of Trait Anger on Progression of
Subclinical Atherosclerosis
Amol S. Koldhekar, BS

1382 / Autonomic Nervous System Function During Daily Life
Activities in Tako-Tsubo Cardiomyopathy
Willem J. Kop, PhD

1549 / Cigarette Smoking Reduces High Frequency Heart Rate
Variability: An Ecological Momentary Assessment Study
Fernando Bodin, MS

Symposium 1281 / STRESS, DIET, MEMORY, AND WEIGHT
LOSS: WHAT'S EATING YOU?
Chair: Janice K. Kiecolt-Glaser, PhD
Discussant: Susan Lutgendorf, PhD
Room: Lawrence B

1287 / The Sensitizing Effects of a 3-Day High-Fat Diet on LPS-
Induced Neuroinflammation and Contextual Memory is
Mediated by Corticosterone
Ruth M. Barrientos, PhD

1345 / Daily Stressors and Metabolic Responses to High-Fat
Meals: When Stress Trumps Healthy Eating
Janice K. Kiecolt-Glaser, PhD

Paper Session: MODULATING SLEEP
Chair: Matt Cribbet, PhD
Room: Molly Brown

1075 / Sleep Problems and Pain: A Longitudinal Cohort Study
in Emerging Adults
Irma J. Bonvanie, MD

1162 / Sleep Habits and Susceptibility to Upper Respiratory
Infection and Illness: The Moderating Role of Subjective
Socioeconomic Status
Aric A. Prather, PhD
1343 / Vulnerability to Stress-Related Sleep Disturbances Moderates the Relationship Between Early Life Socioeconomic Status and Sleep in Adulthood
Chenlu Gao, BS

1082 / Bidirectionality Between Sleep Symptoms and Core Depressive Symptoms and their Long-Term Course in Major Depressed Patients
Mara E. Bouwmans, MSc

2:30pm – 2:45pm Break

2:45pm – 3:45pm Concurrent Sessions

Symposium 1359 / INSUFFICIENT SLEEP GETS OLD FAST: THE MALADAPTIVE EFFECTS OF SLEEP DISTURBANCE ON BIOLOGICAL AND COGNITIVE AGING
Chair: Aric A. Prather, PhD
Discussant: Daniel J. Buysse, MD
Room: Confluence C

1360 / Sleep Disturbances and Biological Aging: The Wear and Tear of Insufficient Sleep
Judith E. Carroll, PhD

1364 / Longevity Factor Klotho and Sleep Disturbance in Women Under High and Low Psychological Stress
Aric A. Prather, PhD

1442 / The Cognitive Effects of Disrupted Sleep in Healthy Older Adults
Christine M. Walsh, PhD

Paper Session: SOCIAL FACTORS, INFLAMMATION, AND HEALTH
Chair: Kathrin Milbury, PhD
Room: Lawrence A

1578 / Caregiving Distress Associates with Elevated Inflammation Among Mothers of Children Newly Diagnosed with Cancer
Catherine P. Walsh, MS

1616 / The Interacting Role of Emotion Regulation and Stressful Life Events to Predict Cortisol Response to Stress
Lydia G. Roos, BS

1672 / Online Support for Grief Improves Health Behaviors and Reduces Mental Health Problems in Widow/ERS
Lindsey M. Knowles, MA

1220 / Social Integration is Associated with a Steeper Diurnal Cortisol Decline: Evidence from a Sample of Healthy Working Adults
Thomas W. Kamarck, PhD

Paper Session: MENTAL HEALTH: UNIQUE MEDIATORS AND/OR MODERATORS
Chair: Jeff Greeson, PhD
Room: Lawrence B

1330 / A Matter of the Heart: Patterns of Circadian Rhythms of Vagal Activity Vary by Depressive Symptoms in Predominantly Healthy Employees
Marc N. Jarczok, Dr. sc. hum.

1545 / The Roles of PTSD, Depression, and Alcohol Misuse in Linking Military Stressors and Health-Related Quality of Life in Male and Female Veterans of the Wars in Iraq and Afghanistan
Brian N. Smith, PhD

1595 / Age Moderates Association Between Pre-Existing Psychological Illness and Inpatient Outcomes for Orthopedic Trauma Patients
Terrie Vasilopoulos, PhD

1421 / Impact of Breathing at Near Resonant Frequency on Cardiovagal Modulation and Attention in Patients with Schizophrenia
Bishoy Goubran, MD

Paper Session: CORTISOL CONSIDERATIONS
Chair: Jutta Wolf, PhD
Room: Molly Brown

1271 / Association of Childhood Adversity with Diurnal HPA Axis Activity
Naomi F. Assaf, B.S. In progress

1509 / Hair Cortisol Concentrations in Recently Fled Asylum Seekers in Comparison to Permanently Settled Immigrants and Non-Immigrant Germans
Ricarda Mewes, PhD

1079 / Daily Associations Between Diary-Reported Hot Flashes and Cortisol
Carolyn Gibson, PhD, MPH

1424 / Does Affect Variation Have an Effect on Cortisol Awakening Response?
Jeffrey Proulx, PhD

4:00pm – 5:00pm Concurrent Sessions

Paper Session: SOCIOECONOMIC FACTORS
Chair: Emily Hooker, PhD
Room: Lawrence A

1550 / Life Course Socioeconomic Status Adversity, Allostatic Load and Mortality in Midlife and Older Adulthood
Tara L. Gruenewald, PhD, MPH
1306 / Metabolic Syndrome Symptoms are Associated with Childhood Socioeconomic Disadvantage
Camelia E. Hostinar, PhD

1657 / Racial Disparities in Sleep: The Role of Neighborhood Disadvantage
Thomas E. Fuller-Rowell, PhD

1255 / Socioeconomic Adversity and Negativity in the Parent Child-Relationship: Complex Costs for Young Childrens Physical Health
Melissa J. Hagan, PhD, MPH

PSYCHOLOGICAL FACTORS, HEALTH AND MORTALITY
Chair: Daryl O'Connor, PhD

Room: Lawrence B

1026 / Mental Vulnerability Predicts Hospitalization for Peptic Ulcer Over 28 Years
Susan Levenstein, MD

1299 / Maternal, Environmental, and Social Context Predicts Diarrheal Infection Incidence in Young Children in Sundarbans, India
Sohini Mukherjee, BA

1308 / Healthy Lifestyle Index Predicts Increased Chronic Conditions and Mortality Five Years Later
Diana Wang, BS

1399 / Psychological Well-Being is Associated with All-Cause Mortality Independent Of Socioeconomic Status: Ten-Year Prospective Evidence from a Nationally Representative US Sample
Steven D. Barger, PhD

1591 / Cognitive Impairment Domains Associated With Hippocampal Metabolites And Disease Control In Asthma Patients
Juliet L. Kroll, BA

Paper Session: PSYCHOBIOLOGY
Chair: Mustafa al'Absi, PhD
Room: Horace Tabor

1171 / Larger Age-Related Declines in Dehydroepiandrosterone are Indicative of Reduced Physical Vitality Beyond the Influence of Chronological Age
Danielle N. Rendina, MS

1575 / Increased Circulating Peptide Y And Ghrelin are Associated with Early Smoking Relapse
Andrine M. Lemieux, PhD

1160 / Sex Differences in the Association Between Acute Stressor-Evoked Interleukin-6 Responses and C-Reactive Protein
Kimberly G. Lockwood, BA

1110 / Conflicting Social Roles are Associated with Greater Stimulated Proinflammatory Cytokine Production Among Men, Not Women
Hannah M. Schreier, PhD

5:30pm – 7:00pm Poster session 3
Posters # 231 - # 320 will be presented
Room: Platte River

7:30pm – 11:30pm Closing Banquet
Room: Confluence Ballroom

Announcing an APS-sponsored special topic meeting

Neuroscience of Pain: Early Life Adversity, Mechanisms and Treatment

October 15, 2016 ~ Marriott Downtown New York, NY

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Meeting Objectives
At the conclusion of this meeting, participants will be able to:
1. Describe the biopsychosocial processes relevant to Psychosomatic Medicine across all levels of analysis, from the molecular level (i.e., cells) to the community level.
2. Understand the role of lifestyle factors and lifestyle interventions on non-communicable diseases such as heart disease and cancer.
3. Learn about the association between inflammatory factors, neurological function, and health.

Continuing Education Information
Satisfactory Completion Statement
Participants must complete an attendance/evaluation form in order to receive a certificate of completion/attendance. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available.

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This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Amedco and the American Psychosomatic Society (APS). Amedco is accredited by the ACCME to provide continuing medical education for physicians. Amedco designates this live activity for a maximum of 18.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Psychologist
This course is co-sponsored by Amedco and the American Psychosomatic Society (APS). Amedco is approved by the American Psychological Association to sponsor continuing education for psychologists. Amedco maintains responsibility for this program and its content. 18.75 hours.

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