



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

7:00am – 6:45pm

Registration
Third Floor

12:30pm – 4:30pm **Half-Day Workshops** (*continued*)

8:00am – 12:00pm

Young Investigator Colloquium
(*by invitation only*)
Room: Molly Brown/Horace Tabor

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

8:00am – 12:00pm

APS Council Meeting
Room: Boardroom

5:30pm – 6:45pm **Welcome and Opening Session**
Room: Confluence Ballroom

12:30pm – 4:30pm

Half-Day Workshops

Medical Workshop - Peripheral and Central Inflammation: Implications for Health And Disease

Developed by the Professional Education Committee
Co-chairs: *Nina Kupper, PhD and Greg Thorkelson, MD*
Faculty: *JJ Cohen, MD, PhD, Anna Marsland, PhD, Linda Watkins, PhD*
Room: Lawrence B

The recipients of the 2016 APS travel scholarships and honor awards will be recognized during this session.

Distinguished Scientist Award Lecture:

“The Mind-Body Problem -- Progress Report 57 years on”

Introduction: *Neil Schneiderman, PhD*
Speaker and Award Recipient: **Redford Williams, MD**

Behavioral Intervention Clinical Trials 2.0: Advanced Topics for Investigators

Co-chairs: *Jeff Huffman, MD and Ian Kronish, MD*
Faculty: *Peter Kaufmann, PhD, Kenneth E. Freedland, PhD, Lynda Powell, PhD*
Room: Blake

7:00pm – 8:30pm **Citation Poster Reception**
Posters # 1 - # 35 will be presented
Room: Platte River

THURSDAY MARCH 10

7:00am – 5:00pm

Registration
Third Floor

8:15am – 9:15am

Plenary Address

7:00am – 7:45am

Wellness Session #1: Ashtanga Yoga
Instructor: *Kristen Solomon, PhD*
Room: Blake

The Transformative Power of Lifestyle Medicine

Introduction: *Lorenzo Cohen, PhD*
Speaker: **Dean Ornish, MD**
Room: Confluence Ballroom

7:00am – 8:00am

Sunrise Series #1: Academic Writing for Trainees
Facilitators: *Natasha Tokowicz, PhD and Peter Gianaros, PhD*
Room: Molly Brown

9:30am – 10:30am

Plenary Address

Transforming HealthCare via Science-based Technology

Introduction: *Mustafa al'Absi, PhD*
Speaker: **Lisa Marsch, PhD**
Room: Confluence Ballroom

7:00am – 8:00am

Continental Breakfast
Third Floor Foyer

APS Professional Education Committee Meeting
Room: Curtis

10:30am – 10:45am

Break

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

Elysia 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**

1356 / From Social Learning to Vasopressin: New Mechanisms Underlying Placebo Analgesia
Luana Colloca, PhD

1355 / Mindfulness Meditation Engages Unique, Non-Opioid Mediated Mechanisms to Reduce Pain
Fadel Zeidan, PhD

1357 / The Role of Opioids in Pain Relief as a Function of Meditative Experience
Lisa M. May, BS

Symposium 1349 / MINDFULNESS-BASED INTERVENTIONS IN HEALTH CARE: MORE THAN JUST SYMPTOM REDUCTION?

Chair: *Linda E. Carlson, PhD*
Discussant: *David Creswell, PhD*
Room: Confluence C

1392 / Mindfulness Promotes Positive Emotion-Cognition Interactions Integral to Human Flourishing: Evidence from Research on Mindfulness-Oriented Recovery Enhancement
Eric Garland, PhD

1493 / Mindfulness-Based Stress Reduction: Correlates, Predictors, and Moderators of Positive Emotional Outcomes
Jeffrey M. Greeson, PhD

1393 / Mindfulness-Based Cancer Recovery: Effects on positive psychology outcomes
Linda E. Carlson, PhD

Paper Session: CARDIOVASCULAR DISEASE

Chair: *Ian Kronish, PhD*
Room: Lawrence A

1518 / Health Locus of Control Longitudinally Predicts Major Adverse Cardiac Events
Darren A. Mercer, PhD(c)

1445 / When Blue-Collars Feel Blue: Depression and Low Occupational Grade as Synergistic Predictors of Incident Coronary Heart Disease in the Gazel Cohort
Cédric Lemogne, MD, PhD

1272 / Traditional Cardiovascular Risk Factors are Stronger Predictors of Incident Cardiovascular Disease in Adults with Versus without Lifetime Depressive Disorder: Data from the National Epidemiologic Survey on Alcohol and Related Conditions (NESARC)
Brittanny M. Polanka, BS

1506 / Pre-Surgical Psychological Interventions Lead to Reduced Levels of Adrenaline and Cortisol after Surgery in Coronary Artery Bypass Graft Patients: the Psy-Heart Study
Stefan Salzmann, Dipl.-Psych

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

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: Curtiss

3:45pm – 4:00pm **Break**

5:30pm – 7:00pm

Poster Session 1
 Posters # 36 - # 133 will be presented
Room: Platte River

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

7:15pm – 8:30pm

Mentor/Mentee Program
 You must have pre-registered for this event to attend. Please check at the APS Registration Desk for additional availability
Room: Augusta

FRIDAY MARCH 11

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

10:30am – 10:45am **Break**

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

10:45am – 12:00pm **Concurrent Sessions**

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

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

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

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

8:15am – 9:15am **President's Address**

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

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

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

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

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. Edelman, 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 Weihs, 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 NEUROPATHYChair: *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

1295 / A Preliminary Report on Ethnic Differences in Baroreflex Function Unraveling the Cardiovascular Conundrum
DeWayne P. Williams, MA

1280 / Cardiovascular Reactivity Patterns and Pathways to Hypertension: A Multivariate Cluster Analysis
Ryan C. Brindle, BS

Paper Session: MODULATING MENTAL HEALTH THROUGH EXTERNAL FACTORS

Chair: *Chris Fagundes, PhD*

Room: Molly Brown/Horace Tabor

1288 / Omega-3 Supplementation and the Neural Correlates of Mood and Impulsivity: A Double-Blind, Randomized, Placebo-Controlled Trial in Midlife Adults
Annie T. Ginty, PhD

1517 / Bifidobacterium Longum 1714 Reduces Stress-Induced Changes in Anxiety and Salivary Cortisol and Alters Neurocognitive Performance and Resting EEG in Healthy Volunteers
Andrew P. Allen, PhD

1379 / Effects of Single-Dose Intranasal Oxytocin on Recognition of Basic Emotions and Complex Mental States in Facial Expressions: A Systematic Review and Meta-Analysis
Gitte Westphal, MSc

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**

8:15am – 9:15am

**APS Members Meeting
Room: Confluence Ballroom**

7:00am – 7:45am

**Wellness Session #5:
Gentle Hatha Yoga**
 Instructor: *Linda Carlson, PhD*
Room: Blake

9:30am – 11:40am

**Awards Presentations
Room: Confluence Ballroom**

7:00am – 8:00am

**2017 Program Committee Meeting
Room: Curtis**

Patricia R. Barchas Award Lecture

Introduction: *Karina Davidson, PhD*

Speaker and Award Recipient: **Elizabeth Brondolo, PhD**

7:00am – 8:00am

**Continental Breakfast
Third Floor Foyer**

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

1411 / Decision Making, Binge Eating, and Weight Loss Among Obese Adults

Charles F. Emery, 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 Cardiovascular 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

Paper Session: RESPIRATORY DISEASES

Chair: *Crista Crittenden, PhD*

Room: Molly Brown

1236 / Medical Record Recognition of Anxiety and Depressive Symptoms in Patients with COPD And CHF: Who Gets Missed?

Chelsea G. Ratcliff, PhD

1358 / Socioeconomic Status, Naturalistic Observed Daily Negative Affect, and Anti-Inflammatory Gene Expression Among Youth with Asthma

Samuele Zilioli, PhD

1462 / Parental Involvement Mitigates the Association Between Socioeconomic Disadvantage and Glucocorticoid Resistance Among Youth with Asthma

Erin T. Tobin, MA

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 Yy 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
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APS 74TH Annual Scientific Meeting – March 9-12, 2016 – Denver, CO

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.

Physicians

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 CreditsTM. 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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2017 Annual Meeting ~ March 15-18th ~ Seville, Spain

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