American Psychosomatic Society  
Integrating mind, brain, body and social context in medicine since 1942

75th Annual Scientific Meeting  
Mobilizing Technology to Advance Biobehavioral Science and Health  
March 15-18, 2017  
Sevilla, Spain

**WEDNESDAY MARCH 15**

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<th>Time</th>
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| 7:00am – 6:00pm | Registration  
Convention Center                                                          |
| 8:00am – 12:30pm| Young Investigator Colloquium  
(by invitation only)  
Room: Santa Cruz |
| 8:00am – 12:00pm| APS Council Meeting  
Room: Prado |
| 8:30am – 4:30pm | Full Day Workshop  
Emotions, Somatic Symptoms and Bodily Distress Syndromes  
presented by APS and the European Association of Psychosomatic Medicine  
Faculty: Richard Lane, MD, PhD; Alla Landa, PhD; Per Fink, MD, PhD, DMSc; Judith Rosmalen, PhD; Hans Knoop, PhD; Claudia Subic-Wrana, PhD; Wolfgang Söllner, MD; and Christoph Herrmann-Lingen, MD  
Room: Giralda III |
| 12:45pm – 4:45pm| Half Day Workshop  
Harnessing Technology to Facilitate Behavioral Health Integration: Successes, Lesson Learned, and Future Directions  
presented by the APS Professional Education Committee  
Chairs: Eva Szigethy, MD and Steve Locke, MD  
Faculty: David Daniel Ebert, PhD and Eva Szigethy, MD  
Room: Giralda VI - VII |

**THURSDAY MARCH 16**

<table>
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<th>Time</th>
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| 7:00am – 6:00pm | Registration  
Convention Center                                                          |
| 8:15am – 9:15am | Wellness Session:  
Tai Chi  
Instructor: Crista Crittenden, PhD  
Room: Prado |
| 8:15am – 9:15am | Membership Committee Meeting  
Room: Buhaira (in the hotel) |
| 9:15am – 10:15am| Plenary Address  
Reconceptualizing Digital Mental Health to Overcome the Research-to-Practice Gap  
Introduction: Bruce Rollman, MD  
Speaker: David C. Mohr, PhD  
Room: Giralda I - II |
| 10:15am – 10:30am| transition |
| 10:30am – 11:45am| Plenary Symposium  
Conducting Research in the Post p<.05 Era  
Moderator: Martica Hall, PhD; Discussant: Willem Kop, PhD, Editor-in-Chief, Psychosomatic Medicine  
Speakers: Jessica Utts, PhD; Meredith Wallace, PhD; and Daniel Lakens, PhD  
Room: Giralda I - II |
11:45am – 12:15pm  Wellness Session: Walking Meditation/ Mindful Movement  
Instructor: Linda Carlson, PhD  
Room: Prado

12:15pm – 12:30pm  transition

12:30pm – 1:45pm  Roundtables, Lunch/Free time or Committee Meetings  
If you are attending a Roundtable Discussion, please note lunch will not be served.

Roundtable #1: Conducting Research in the Post p<.05 Era  
Facilitators: Martica Hall, PhD; Jessica Utts, PhD; Meredith Wallace, PhD; and Daniel Lakens, PhD  
Room: Santa Cruz

Roundtable #2: Lab to Lab Exchange  
Facilitators: Mary-Frances O’Connor, PhD; Cristina Ottaviani, PhD; Urs Nater, PhD; Roland von Känel, PhD; Nicholas Rohleder, PhD  
Room: Buhaira (in the hotel)

Roundtable #3: Meet the Editors  
Facilitators: Willem Kop, PhD and Peter Gianaros, PhD  
Room: San Bernardo (in the hotel)

1:45pm – 2:00pm  transition

2:00pm – 3:15pm  Concurrent Sessions

**Symposium 1066 / HARNESSING MHEALTH TECHNOLOGY TO ADVANCE INTERVENTION RESEARCH ON STRESS, ADDICTION, AND MENTAL HEALTH DISORDERS**  
Co-Chairs: Mustafa al’Absi, PhD, Inbal (Billie) Nahum-Shani, PhD  
Discussant: Emre Ertin, PhD  
Room: Giralda I - II

1070 / Unobtrusive Measurement of Stress and Smoking Psychophysiological Markers in the Natural Environment  
Andrine Lemieux, PhD

1068 / Acute Stressors, Discrimination, and Smoking Lapse Likelihood Among Underserved Groups  
David W. Wetter, PhD

1067 / Stress-Management Just-In-Time Adaptive Interventions: Opportunities And Challenges  
Inbal (Billie) Nahum-Shani, PhD

1069 / The Huge Benefits, and Enormous Risks, of Mobile Technologies for Research and Treatment  
Joel Swendsen, PhD

**Symposium 1187 / CURRENT DIRECTIONS IN SES DISPARITIES RESEARCH: SOCIO-EMOTIONAL AND PHYSIOLOGICAL MECHANISMS**  
Co-chairs: Meanne Chan, PhD and Jenny Cundiff, PhD  
Room: Giralda III

1190 / Widening Socioeconomic Gap in Child Development and Multi-Domain Mechanisms: Chinese Kindergarten Cohort Study  
Frederick K. Ho, PGDE

1191 / Establishing Adaptive Social Capital in the Face of Risk: Subjective Social Status, Emotion Processing, and CVD Risk in Young Adults  
Meanne Chan, PhD

1189 / Race/Ethnicity, Socioeconomic Status and Diagnosis with Pregnancy Cardio-Metabolic Disorders and Postpartum Cardio-Metabolic Risk  
Kharah M. Ross, PhD

1192 / Socioeconomic Status and Acute Cardiovascular Responses to Stress in the Laboratory: A Systematic Review  
Jennifer Morozink Boylan, PhD

**Symposium 1316 / HOW WILL THE GENOMICS ERA INFORM THE LINK BETWEEN SOMA AND PSYCHE?**  
Co-Chairs: Eco J. de Geus, PhD, and Brenda Penninx, PhD  
Discussant: Peter Gianaros, PhD  
Room: Giralda IV - V

1318 / Genetic Determinants of Mental Stress Induced Myocardial Ischemia  
Viola Vaccarino, MD, PhD

1319 / Findings from Genome-Wide Association Analyses for Personality Traits  
Antonio Terracciano, PhD

1320 / Genetics of Depression: State-of-the-Art and Implications for Psychosomatic Medicine  
Brenda W. Penninx, PhD

1321 / Meta-Analysis on Genome-Wide Association Studies on Heart Rate Variability  
Eco J. de Geus, PhD

**Paper Session: SLEEP, CANCER AND INFLAMMATION**  
Chair: Kathrin Milbury, PhD  
Room: Giralda VI - VII

1405 / A Randomized, Controlled Trial of Neurofeedback to Treat Chemotherapy-Induced Peripheral Neuropathy (CIPN) Leads to Improvement in Multiple Secondary Endpoints  
Sarah Prinsloo, PhD

1041 / Bright Light Therapy Improves Symptoms of Fatigue in Cancer Survivors with Clinical Fatigue: A Blinded Randomized Controlled Trial  
Jillian Johnson, PhD

1116 / Preliminary effects of a technology-administered CBT-based stress-and self-management intervention on depression symptoms in men undergoing hormone therapy for advanced prostate cancer  
Rina Fox, PhD, MPH

1137 / Expressive writing intervention and self-reported physical health outcomes: Results from a nationwide randomized controlled trial with breast cancer patients  
Robert Zachariae, DMSc

1138 / Brief Stress Management Decreases Leukocyte Nuclear NFkB DNA Binding in Distressed Breast Cancer Patients Undergoing Primary Treatment  
Michael Antoni, PhD
Paper Session: YOU GOTTA MOVE  
Chair: Crista Crittenden, PhD  
Room: Santa Cruz

1329 / Investigating the cross-stressor hypothesis under real-world conditions: Habitual physical activity as a moderator of the association between momentary anxiety, and heart rate and blood pressure  
Ipek Ensari, PhD

1402 / Effect of Well-Being on Later Actigraphic Physical Activity  
Jerrald Rector, PhD

1031 / A Randomized Controlled Trial of the Cognitive Effects of an Aerobic Exercise Training Intervention in Healthy Young Adults  
Lars Margolis, BA

1131 / Aerobic Exercise Training and Inflammation across the Age Span - A Cautionary Tale  
Richard Sloan, PhD

3:15pm – 3:30pm  transition

3:30pm – 4:30pm Concurrent Sessions

Symposium 1051 / NEUROMODULATION OF EMOTION, COGNITION AND BEHAVIOR  
Chair: Andreana P. Haley, PhD  
Room: Giralda I - II

1564 / Electroencephalographic (EEG) Neurofeedback to Treat Physical and Emotional Conditions: A Brain-Computer Interface to Regulate Brain Activity  
Sarah Prinsloo, PhD

1561 / Neuromodulation of Cognition Through Transcranial Laser Stimulation  
Andreana P. Haley, PhD

1289 / Repetitive Transcranial Magnetic Stimulation for Regulation of Affect, Mood and Emotion  
Asli Demirtas-Tatlidede, MD

Paper Session: RACIAL DISCRIMINATION  
Chair: David Wetter, PhD  
Room: Giralda III

1411 / Prospective Health Consequences of Socioeconomic Disadvantage Across the Life Span: The Mediating Roles of Discrimination and Unfair Treatment  
Thomas Fuller-Rowell, PhD

1526 / Positive Association between Self-Reported Discrimination and Heart Rate Variability During a Racism Recall Task: Preliminary Evidence for the Compensation Hypothesis  
Andrew Case, PhD

1643 / Racial Discrimination and Physiological Reactivity: The Moderating Roles of Racial Composition and Religious Attendance  
Effua Sosoo, BA

Paper Session: COHORTS OF CARDIOVASCULAR DISEASE  
Chair: Martica Hall, PhD  
Room: Giralda IV - V

1508 / Occupational Status Moderates the Association between Depressive Symptoms and Predicted 10-Year Risk of Coronary Heart Disease in Participants of the French CONSTANCES Cohort  
Emmanuel Wiernik, PhD

1199 / The Hostile, the Tense and the Distressed-Determinants of Multidimensional Psychosocial Risk Profiles in Patients with Coronary Heart Disease - THORESCI Study  
Eveline van Montfort, MSc

1206 / Prevalence and Risk Markers of Early Psychological Distress After ICD Implantation in the European REMOTE-CIED Study Cohort  
Ivy Timmermans, MSc

1397 / Alexithymia was not Associated with the Risk Of Incident Cardiovascular Diseases in the Supplementation En Vitamines Et Mineraux Antioxydants (SU.VI.MAX) Cohort  
Emmanuel Wiernik, PhD

Paper Session: OBESITY, THE BRAIN AND THE ENVIRONMENT  
Chair: Misty Hawkins, PhD  
Room: Giralda VI - VII

1636 / Obesity Is Associated With Age-Related Hippocampal Volume Reduction  
Michael Stanton, PhD

1349 / The Relationship of Food Insecurity with Obesity and Diabetes in a Low-Income, Migrant Community on the U.S.-Mexico Border  
Jessica McCurley, MS

1180 / Parent Perception and Childhood Weight Gain: Psychological, Behavioral, and Physiological Mechanisms  
Angelina Sutin, PhD

1458 / When Knowing Hurts: Self-Perceived Overweight Predicts Future Physical Health and Well-Being  
Michael Daly, PhD
Paper Session: CONFLICT, SUPPORT AND OPTIMISM
Chair: Julie Turner-Cobb, PhD
Room: Santa Cruz

1425 / Norepinephrine Reactivity to Marital Support: Age Makes a Difference for Sympathetic Responses
Stephanie Wilson, PhD

1275 / Partner Conflict and Satisfaction are Associated with High Stable Cardio-metabolic Risk at 6 and 12 Months Postpartum
Kharah Ross, PhD

1537 / Positive and Negative Features of Social Relationships in Mothers Related to Telomere Length 3 Years Later
Jonah Price, BA

1611 / Dispositional optimism predicts inflammation in cross-sectional and longitudinal analyses
Jos Bosch, PhD

4:30pm – 5:00pm Refreshment Break

5:00pm – 6:00pm Concurrent Sessions

Symposium 1428 / HEALTH-RELEVANT SOCIAL ENVIRONMENT SAMPLING TECHNIQUES
Co-Chairs: Megan L. Robbins, PhD and Joshua Smyth, PhD
Room: Giralda I - II

1430 / The EAR as a Naturalistic Observation Measure of Patients’ Social Behavior
Megan L. Robbins, PhD

1431 / Using Online Social Network Data to Investigate Pain Experiences
Robert C. Wright, MA

1429 / Using Ecological Momentary Assessment to Examine Gender Differences in Trait Rumination, Momentary Distress, and Diurnal Cortisol in Daily Life
Peggy M. Zoccola, PhD

Paper Session: DAYTIME FIELD RESEARCH
Chair: Daryl O'Connor, PhD
Room: Giralda IV - V

1269 / Is Fatigue at Work Due to Resource Depletion or Reduced Motivation? A Real-Time Intensive EMA Study of Working Nurses
Derek Johnston, PhD

1566 / The Relationship between Work Social Support and Ambulatory Blood Pressure
Lori Wadsworth, PhD

1171 / The Impact of Hostility Reduction Treatment on Affective Responses to Stressors Throughout the Day
Lisa Nilsson, Medical Student

1530 / Individual Differences in Daily Stress Processes and Cognitive Health in Old Age: A Measurement Burst Approach
Robert Stawski, PhD

Paper Session: STRESS, HEALTH, AND SURVIVAL
Chair: Petra Wirtz, PhD
Room: Giralda VI - VII

1497 / A Matter of Life and Death: Psychosocial Stress Predicts All-Cause Mortality over 20 Years
Joshua Wiley, PhD

1471 / Chronic Inflammation in Anxiety Disorders: A Systematic Review and Meta-Analysis
Megan Renna, MA

1565 / The Mitochondrial Health Index Links Chronic Stress and Psychosocial Factors to Cellular Bioenergetics
Martin Picard, PhD

1414 / An Unhealthy Lifestyle Index Predicting Longitudinal Course Of Depression and Anxiety
Sarah Hiles, PhD
Paper Session: SEX, MOOD, AND THE HEART

Chair: Karl Maier, PhD

Room: Santa Cruz

1424 / Sex Differences in Psychopathological Profile and Risk of Ischemia Among Young Patients with Recent Myocardial Infarction
Viola Vaccarino, MD, PhD

1475 / Sex-Specific Effects of Cardiovascular Reactivity on Myocardial Ischemia Induced by Mental Stress
Viola Vaccarino, MD, PhD

1021 / Social Inhibition, Emotional Distress and Type D Personality in Patients with Coronary Artery Disease
Johan Denollet, PhD

1351 / Cracking the Code: Everyday Emotion Alters Ventricular Repolarization Duration in Coronary Artery Disease
Richard Lane, MD, PhD

6:00pm – 6:30pm Wellness Session

Mindfulness Meditation: A Focus on Breath, Body and Mind
Instructor: Eric Loucks, PhD

Room: Prado

6:00pm – 6:30pm Young Investigator Reception

Room: Blue Lounge Bar

6:30pm – 8:00pm Poster Session 1

Posters # 36 - # 133 will be presented

Room: Nerion/Arenal

6:30pm – 8:00pm Technology Demonstrations

Innovative software applications will be demonstrated

Burnout Protector ~ Roland von Känel, MD
Facereader® ~ Stephanie Duijndam, MSc
Painimation app ~ Charles Jonassaint, PhD
MyBp app ~ Matt Muldoon, MD
SHUTi ~ Lee Ritterband, PhD

Room: Nerion/Arenal

8:15pm – 9:30pm Mentor/Mentee Program

You must have pre-registered for this event to attend. Please check at the APS Registration Desk for additional availability

Room: Giralda Restaurant

FRIDAY MARCH 17

7:00am – 6:00pm Registration

Convention Center

8:00am – 9:00am Wellness Session:

Iyengar Yoga
Instructor: Tamara Bailey, PhD
Room: Prado

Sunrise Series:

Early Job Process
Facilitators: Matthew Cribbett, PhD and Jenny Cundiff, PhD
Room: Santa Cruz

Professional Education Committee Meeting
Room: San Bernardo (in the hotel)

9:00am – 10:00am Plenary Address

Social Determinants, Empowerment, and Health Inequality
Introduction: Lorenzo Cohen, PhD
Speaker: Sir Michael Marmot FBA, FMedSci, FRCP
Room: Giralda I - II

10:15am – 11:15am Plenary Address

Developing and Disseminating Effective Psychological Therapies for Common Mental Health Problems: Science, Economics and Politics
Introduction: Daryl O'Connor, PhD
Speaker: David M. Clark, CBE, FBA, FmedSci
Room: Giralda I - II

11:15am – 11:45am Wellness Session:

Mindfulness Meditation: A Focus on Fostering Personal and Scientific Innovation
Instructor: Eric Loucks, PhD
Room: Prado

11:45am – 12:00pm transition

12:00pm – 1:15pm Roundtables, Lunch/Free time or Committee Meetings

If you are attending a Roundtable Discussion, please note lunch will not be served.

Roundtable #4: Impacting Health and Wellness Through Research Discoveries
Facilitators: Joachim Fischer, MD and Sir Michael Marmot FBA, FMedSci, FRCP
Room: Santa Cruz
Psychosomatic Medicine Editorial Board Meeting  
(by invitation only)  
**Room: San Bernardo (in the hotel)**

Developmental Origins of Health and Disease SIG  
**Room: Buhaira (in the hotel)**

1:15pm – 2:30pm  Concurrent Sessions

**Invited NIH Symposium: Science of Behavior Change**  
Moderator: Ian Kronish, MD; Discussant: Donald Edmonson, PhD  
Speakers: Lis Nielsen, PhD; Eric Loucks, PhD; Chaning Jang, PhD; and Joshua Smyth, PhD  
**Room: Giralda I - II**

**Symposium 1027 / THE ENDURING INFLUENCE OF RESPONSIVE OTHERS: IMPLICATIONS FOR HEALTH AND LONGEVITY ACROSS THE LIFESPAN**  
Co-Chairs: Ledina Imami, MA and Sarah Stanton, PhD  
Discussant: Beate Ditzen, PhD  
**Room: Giralda III**

1029 / Social (dis)Connection and Mortality Risk: A more Nuanced Approach Needed for Effective Interventions?  
Julianne Holt-Lunstad, PhD

1256 / Partner Responsiveness Predicts All-Cause Mortality via Daily Negative Affect Reactivity: A 20-Year Longitudinal Study  
Sarah Stanton, PhD

1257 / Self-disclosure and Perceived Responsiveness in Youth with Asthma: Links to Gene Expression and Psychological Well-being  
Ledina Imami, MA

1582 / The Social Buffering of the HPA Axis in Children and Adolescents: The Role of Perceived Support from Close Friends  
LillyBelle K. Deer, BA

**Symposium 1361/ eHEALTH FOR HIV PREVENTION**  
Chair: Brian Mustanski, PhD  
**Room: Giralda IV - V**

1418 / Interim Outcomes from an Online HIV Prevention Program for Diverse Young Men who Have Sex With Men  
Brian Mustanski, PhD

1363 / A Stepped-Care Evaluation of a Package of eHealth HIV Prevention Programs for Adolescent Gay and Bisexual Boys: The SMART Program  
Michael Newcomb, PhD

1413 / Give Them What They Want: Preferences for Sexual Health Apps for Gay and Bisexual Men  
Jeffrey T. Parsons, PhD

2:30pm – 2:45pm  transition

2:45pm – 3:45pm  Concurrent Sessions

**Invited Symposium: Impact of Trauma on Health in Refugee Populations**  
Chair: Danielle L. Beatty Moody, PhD  
Speakers: Bengt Arnetz, MD, PhD, MPH, MScEpi; Susanne de Rooij, PhD; and Kaz de Jong, PhD  
**Room: Giralda I - II**

1423 / Providing a Basic Package of HIV Prevention Services for At-Risk Men Who Have Sex With Men in the United States  
Patrick Sullivan, PhD, DVM

**Invited Diversity Initiative Symposium: Health Disparities among US Hispanics**  
Chair: Tené Lewis, PhD; Discussant: Maria Llabre, PhD  
Speakers: Neil Schneiderman, PhD; Rosalba Hernandez, PhD; Carmela Alcantara, PhD; and Shakira Suglia, PhD  
**Room: Giralda VI - VII**

**Paper Session: THE HARMS AND MODIFICATION OF PRENATAL STRESS**  
Chair: Julie Turner-Cobb, PhD  
**Room: Prado**

1580 / Prenatal Stress in Low-Income, Overweight Mothers Predicts Infant Physical Illness Assessed Via Medical Records  
Nicole Bush, PhD

1276 / Preliminary Findings on General and Pregnancy-specific Anxiety Associated with Interleukin-6 in Second Trimester of Pregnancy  
Kharah Ross, PhD

1563 / The Effects of Maternal Cortisol and Postpartum Depression on Infant Salivary Cortisol  
Lauren Dunne, BA

1204 / Being Mindful During Pregnancy Predicts Not Only Mood of the Mother But Also Birth Weight of the Child  
Ivan Nyklicek, PhD

1547 / Impact of a Prenatal Cognitive Behavioral Stress Management Intervention on Regulating Cortisol Levels Among Low-Income Mothers and their Infants  
Guido Urizar, PhD

**Emotions in Social Relationships: Implications for Health and Disease**  
October 20-21, 2017 in Berkeley, California  
Call for Posters coming this summer  
www.psychosomatic.org
Symposium 1219 / BEAT-TO-BEAT BLOOD PRESSURE VARIABILITY IN A LARGE, NATIONAL STUDY: RESULTS FROM THE MIDLIFE IN THE US STUDY
Co-Chairs: Richard P. Sloan, PhD and Tara Gruenewald, PhD
Discussant: Joseph Schwartz, PhD
Room: Giralda III

1228 / Effects of Age, Sex, and Race on Beat To Beat Blood Pressure Variability – The MIDUS Study
Richard P. Sloan, PhD

1230 / Beat-to-Beat Blood Pressure Variability and Cognition in the MIDUS Study
Joshua Sweigert, BS

1229 / The Aging Baroreflex and its Association with Cognitive Function and Mortality Risk
Tara Gruenewald, PhD

Paper Session: PSYCHO-ONCOLOGY
Chair: Wolfgang Söllner, MD
Room: Giralda IV - V

1328 / Being Happy and Expecting the Best: Is Psychological Well-Being Associated with Future Cancer Risk?
Claudia Trudel-Fitzgerald, PhD

1410 / Nighttime Distress and Interleukin-6 in Explaining the Relationship between Adjuvant Chemotherapy and Sleep Latency in Malignant Post-surgical Gynecologic Oncology Patients
Chantel Ulfig, MS

1151 / An Index of Vagal Neuroimmuno-Modulation Predicts Longer Survival in Two Fatal Cancers
Yori Gidron, PhD

1156 / Web-Based Stepped Collaborative Care Intervention in the Oncology Setting: Lessons Learned from the Pilot Study and Advances in Technology
Jennifer Steel, PhD

Paper Session: METABOLIC SYNDROME, DIABETES AND MENTAL HEALTH
Chair: John Ryan, PhD
Room: Giralda VI – VII

1166 / Socioeconomic Status and Prevalence of Metabolic Syndrome and Risk Factors: The Hispanic Community Health Study/Study of Latinos (HCHS/SOL)
Tasneem Khambaty, PhD

1092 / Ethnicity and Excess Mortality in Severe Mental Illness: A Cohort Study
Jayati Das-Munshi, PhD, MSc, MRCPsych, MBBS, BS

1030 / Specific Symptoms of Depression and Incident Type 2 Diabetes: Results from the Emotional Well-Being, Metabolic Factors, and Health Status Study
Sonya Deschênes, PhD

1237 / Type 2 Diabetes Mellitus in Severe Mental Illness; Inequalities by Ethnicity And Age - Cross-Sectional Analysis of 588,408 Records From the UK
Jayati Das-Munshi, PhD, MSc, MRCPsych

Paper Session: TECHNOLOGY-BASED INTERVENTIONS
Chair: Linda Carlson, PhD
Room: Prado

1528 / A Remote Sensing Platform for Supporting Exercise is as Effective as Traditional Supervised Exercise for Improving Cardiorespiratory Fitness In People with Cardiovascular Disease
Ralph Maddison, PhD

1553 / Is Computerized Cognitive Behavioral Therapy an Effective Mental Health Treatment for both African Americans and Whites?
Charles Jonassaint, PhD

1437 / Biobehavioural Therapy For Epilepsy: Technological Application Of Galvanic Skin Response (GSR) Biofeedback to Reduce Epileptic Seizures
Yoko Nagai, PhD

1033 / Combined Group and Technology-Supported Singing Interventions for Postnatal Depression: Psychological and Biological Results from a Three-Arm Randomised Control Trial
Daisy Fancourt, PhD

3:45pm – 4:15pm Refreshment Break

4:15pm – 5:30pm Plenary Symposium
Technology and the Future of Biobehavioral Health
Moderator: Nina Kupper, PhD; Discussant: David Mohr, PhD
Speakers: Lee Ritterband, PhD; Heleen Riper, PhD; and Noam Shoval, PhD
Room: Giralda I - II

5:30pm – 6:00pm Wellness Session: Loving Kindness (Metta) Meditation
Instructor: Linda Carlson, PhD
Room: San Bernardo (in hotel)

6:00pm – 7:30pm Poster Session 2
Posters # 134 - # 219 will be presented
Room: Nerion/Arenal

8:00pm Past Leaders Dinner
Offsite (invitation only)
7:00am – 6:00pm  Registration
Convention Center

7:30am – 8:30am  Sunrise Series:
On Aging Research
Facilitators: Lisbeth Nielsen, PhD; Martica Hall, PhD; Carolyn Gibson, PhD; and Tara Gruenewald, PhD
Room: Prado

8:30am – 9:15am  APS Members Meeting
Room: Giralda I - II

9:15am – 10:15am  President’s Address
APS’ 75th Anniversary: Past, Presence and Future of Psychosomatic Movements in an Ever-Changing World
Introduction: Wolfgang Söllner, MD
Speaker: Christoph Herrmann-Lingen, MD
Room: Giralda I - II

10:15am – 10:30am  transition

10:30am – 12:40pm  Awards Presentations
Room: Giralda I - II
Patricia R. Barchas Award Lecture
Introduction: Derek W. Johnston, PhD
Speaker and Award Recipient: Andrew Steptoe, DSc
Herbert E. Weiner Early Career Award Lecture
Introduction: Stephen Manuck, PhD
Speaker and Award Recipient: David Creswell, PhD
Paul D. McLean Award Lecture
Introduction: Peter Gianaros, PhD
Speaker and Award Recipient: Hugo Critchley, DPhil, FRCPsych

12:45pm – 1:00pm  transition

1:00pm – 2:15pm  Roundtables or Lunch/Free time
If you are attending a Roundtable Discussion, please note lunch will not be served.

Roundtable #5: “How can the findings of psychosomatic medicine be integrated into the clinical care of patients? What are the tasks for the future?”
Facilitators: Wolfgang Söllner, MD and Antonio Lobo, MD, PhD
Room: Prado

Roundtable #6: Neuroscience Discussion with MacLean Award recipient
Award Recipient: Hugo Critchley, DPhil, FRCPsych; Facilitator: Richard Lane, MD, PhD
Room: Buhaira (in the hotel)

2:15pm – 3:15pm  Concurrent Sessions
Symposium 1088 / EARLY LIFE ADVERSITY PREDICTS CORONARY HEART DISEASE: EVIDENCE, MECHANISMS AND IMPLICATIONS
Chair: Richard Lane, MD, PhD
Discussant: Christoph Herrmann-Lingen, MD
Room: Giralda III
1142 / Associations of Adverse Childhood Experiences with Cardiovascular Disease Incidence and Mortality: An Overview with Implications on Providing Stronger Tests for Causality
Eric B. Loucks, PhD
1182 / Endothelial Dysfunction, a Potential Mechanism Linking Early Life Stress and Cardiovascular Disease
Shaoyong Su, PhD
1155 / Early Life Adversities and Risk Factors for Cardio-metabolic Disease: A Population Cohort Followed to Mid-Life
Christine Power, PhD

Paper Session: FROM RUMINATION TO PTSD
Chair: Cristina Ottaviani, PhD
Room: Giralda IV - V
1450 / Resting Heart Rate Variability and its Relation to Maladaptive and Adaptive Facets of Rumination and Trait Anxiety
Nicole Feeling, MA
1292 / Challenge and Threat Imagery Manipulates Heart Rate and Anxiety Responses to Stress
Sarah Williams, PhD
1586 / Post-traumatic Stress Disorder in Primary Care
Raz Gross, MD, MPH
1599 / Ecological Momentary Assessment of Daily Variation in Posttraumatic Stress Symptoms
Quinn Biggs, PhD, MPH

Paper Session: ADVERSITY: FROM COMMUNITY TO GENES
Chair: LaBarron Hill, PhD
Room: Giralda VI - VII
1186 / Perceived Neighborhood Disadvantage is Associated with Poorer Objectively Measured Sleep Efficiency in a Probability Sample of African American Adults
Wendy Troxel, PhD
1540 / Retrospective recall of childhood abuse and midlife subclinical cardiovascular disease: Cross-sectional and longitudinal associations
Thomas Kraynak, BA

1254 / Multimodal Associations of Childhood Maltreatment with the Stria Terminalis and its Bed Nucleus
Layla Banihashemi, PhD

1112 / Trauma-associated MECP2 Gene Methylation in Refugees: Implication for HPA-axis Regulation
Bengt Arnetz, MD, PhD, MPH, MScEpi

Symposium 1415 / INCREASING THERAPEUTIC PRECISION IN PSYCHOSOMATIC MEDICINE THROUGH N-OF-1 STUDIES
Chair: Ian Kronish, MD, MPH
Discussant: Paige Green, PhD
Room: Santa Cruz

1420 / Are N-of-1 Trials Useful for Achieving Therapeutic Precision in the Treatment of Depression? A Systematic Review of N-of-1 Trials for Depressive Symptoms
Ian Kronish, MD, MPH

1421 / Acceptability and Preferences for Participating in N-Of-1 Trials: A National Survey of Patients with Multiple Chronic Comorbidities
Nathalie Moise, MD, MS

1419 / A Personalized Stress Fingerprint: Does Knowing Your Stress Barriers and Facilitators Improve your Daily Exercise Bouts?
Karina Davidson, PhD

3:15pm – 3:30pm transition

3:30pm – 4:15pm Concurrent Sessions

Paper Session: SLEEP
Chair: Matthew Cribbet, PhD
Room: Giralda III

1573/ Association of Posttraumatic Stress Disorder with Sleep Dysfunction in Male Veteran Twins
Amit J. Shah, MD, MSCR

1015 / Temporal Dynamics Between Daily Affect, Pain, and Noctily Sleep Quality in Young Adults
Danica Slavish, MS

1181/ Remnants of the Past: Childhood Trauma Exposure and Age First Traumatic Exposure Relate to Poor Sleep Health
Ryan C. Brindle, PhD

Paper Session: DRUGS AND PLACEBOS
Chair: Mustafa al'Absi, PhD
Room: Giralda IV - V

1245 / Do Antidepressant Smoking Cessation Treatments Produce the Best Outcome for Depressed Smokers?
George Papandonatos, PhD

1502 / Genetics, Shared, or Non-Shared Environment? An Experimental Twin Study on Placebo Analgesia
Katja Weimer, PhD

1503 / Social Learning of Placebo Effects Through Observation in Children: Unfamiliar Models are More Effective than the Mother
Katja Weimer, PhD

Paper Session: NEUROIMMUNOLOGY
Chair: Nina Kupper, PhD
Room: Santa Cruz

1235 / Elevated Threat-Sensitivity and Reduced Reward-Sensitivity Associated with Increased Peripheral Inflammation Among Young Adults
Iris Ka-Yi Chat, MA

1374 / Exposure to an Inflammatory Challenge Enhances Neural Sensitivity to Negative and Positive Social Feedback
Keely Muscatell, PhD

1521 / Pro- And Anti-Inflammatory Challenges Differentially Modulate Amygdala Emotional Reactivity and Predict Development/Amelioration of Depressive Symptoms
Neil Harrison, MBBS, PhD

3:30pm – 4:30pm

Paper Session: DEPRESSION AND THE HEART
Chair: Christoph Herrmann-Lingen, MD
Room: Giralda VI – VII

1477 / The Association Between Visual, Hearing and Dual Sensory Impairment with Depression and Anxiety Over Six Years: Findings from the Tromso Study
Suzanne Cosh, PhD

1178 / Anxiety And Depressive Symptoms Profiles Associated with Subclinical Atherosclerosis Among Hispanics: Results from the PREVENCION Study
Diana Chirinos, PhD

1124 / Depressive Symptoms in Patients With an Implantable Cardioverter Defibrillator: Is it all about Treatment Expectations?
Susanne Pedersen, PhD

1556 / Association of Depressive Symptoms with Heart Rate Variability Density in Veteran Twins
Amit Shah, MD, MSCR
4:15pm – 4:45pm  Refreshment Break

4:45pm – 5:30pm  Concurrent Sessions

Paper Session: HEALTH BEHAVIORS
Chair: Ian Kronish, MD
Room: Giralda IV - V

1396 / Perseverative Cognition and Health Behaviors: A Systematic Review and Meta-Analysis
Daryl O'Connor, PhD

1338 / Appearance Concerns But Not Health Promotion Motivates Fitbit-Assessed Physical Activity Behavior in Middle-Aged and Older Women.
William Goodman, MA

1490 / Which Exercise or Behavioral Interventions are Most Effective for Treating Fatigue in People With Multiple Sclerosis (MS)? A Detailed Systematic Review with Network Meta-Analysis
Rona Moss-Morris, PhD

Paper Session: IRRITABLE BOWEL SYNDROME AND THE BRAIN
Chair: Eva Szigethy, MD
Room: Giralda VI - VII

1498 / Resting State Functional Connectivity in Irritable Bowel Syndrome
Michiko Kano, MD, PhD

1500 / Impaired Top-Down Regulation to Hypothalamic-Pituitary-Adrenal Axis from the Pregenual Anterior Cingulate Cortex in Patients with Irritable Bowel Syndrome
Michiko Kano, MD, PhD

1337 / Alexithymic Families? Higher Levels of Alexithymia in Adolescents with Inflammatory Bowel Disease VS Adolescents with Cystic Fibrosis
Sergio Oteri, PhD

Paper Session: NEUROSCIENCE
Chair: David Creswell, PhD
Room: Santa Cruz

1525 / Cross-Sectional and Longitudinal Associations Between Blood Pressure and Hippocampal Volume
Annie Ginty, PhD

1546 / Emotional Processing in Supportive Marriages: Increased Amygdala Activation in an fMRI Investigation
Erin Kaseda

1404 / The Representative Developing Brain: Does Sampling Strategy Matter for Neuroscience and what are the Implications for Studies Integrating the Social and Biological?
Kaja LeWinn, ScD

5:30pm – 7:00pm  Poster Session 3
Posters # 220 - # 301 will be presented
Room: Nerion/Arenal

7:30pm – 11:00pm  Closing Banquet
Giralda I - II

Additional Information

About APS
The American Psychosomatic Society is an international 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.

Poster Tours
During the Poster Sessions on Thursday, Friday and Saturday, a Past President of the Society will lead up to 15 meeting attendees through a narrated tour of 6-7 posters of clinical significance. The tour is also intended to provide conference attendees who are clinical practitioners with an opportunity to meet and share interests relevant to applied research. There is no cost to participate in a tour – please visit the APS Registration Desk for availability.

Photo Release
By attending the APS Annual Meeting, registrants consent to be photographed during the course of the meeting, with the understanding that those images may be used in APS documents, publications or on the website. If you prefer to not have your image used by APS, please contact info@psychosomatic.org or visit the APS Registration Desk.

Exhibits
APS is pleased to welcome BIOTEKNA, an Italian Biomedical Technologies company as an exhibitor at this meeting. BioTekna will be featuring electromedical equipment – plethysmograph technology to analyze the activity of the autonomic nervous system and heart rate variability.
Meeting Objectives
At the conclusion of this meeting, participants will be able to:
1. Understand the application of technology-assisted behavioral and psychological interventions.
2. Learn about the association between social inequalities and health and some of the mediating variables.
3. Understand the use, misuse, and future perspectives of common statistical approaches in behavioral science.

Continuing Education Information

ACCME Credit Statement:
Amedco designates this live activity for a maximum of 17.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ACCME Approval Statement:
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 the Amedco and American Psychosomatic Society. Amedco is accredited by the ACCME to provide continuing medical education for physicians.

APA Credit Statement:
This activity has been approved for a maximum of 17.25 hours.

APA Approval Statement:
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.

APS is pleased to acknowledge that funding for the APS Young Scholar Awards and Minority Initiative Travel Awards is provided by a grant from the National Institutes of Health (NIA; R13 AG056137-01: M Hall, PI). Program Officer: Lisbeth Nielsen, PhD

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Download the Meeting APP from your APP store by searching APSMeetings or APS Meetings

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A Message from the APS President
Christoph Herrmann-Lingen, MD

Happy birthday, APS!

In 1942, now 75 years ago, Dr. Helen Flanders Dunbar, the founding (and so far only female) Editor-in-Chief of Psychosomatic Medicine wrote in a letter to the readers of the Journal and other possibly interested colleagues:

"Dear Doctor,*

Because of the increasing importance of psychosomatic medicine in relation to the present War Emergency it has been decided to organize a Society for Research in Psychosomatic Problems ... The first meeting will be held with the Society for Research in Nervous and Mental Diseases in New York on Friday, December 18th. The topic for discussion will be Fatigue."

And indeed, one year after the Japanese attack on Pearl Harbor, two weeks after the first self-sustained nuclear chain reaction and despite war-related restrictions on travel, more than 300 attendees, rather than the expected 50, followed the invitation and participated in the totally overcrowded inaugural meeting of the Society which only a few years later was given its current name, the American Psychosomatic Society.

While APS was organized as an interdisciplinary scientific society from the beginning, the early years were dominated by mainly male MDs, most of them psychiatrists. It took another 30 years for Margaret T. Singer to become the first female (and the first PhD) President of the Society.

Things have changed a lot since then and reasons for this change are multiple. One reason may be that some core aspects of psychosomatic medicine have become popular in many areas of medicine. Psychosomatic research questions now seem to be more readily accepted by major medical societies, their conferences and journals than they had been in the past. Nowadays, several medical practice guidelines explicitly address psychosomatic topics. This increased acceptance is closely related to decades of intensive research using refined methods and measurements.

These refinements have a lot to do with advanced technology, which is one of the key factors shaping APS' current research and membership structure, and undoubtedly one of the reasons why the 2017 Program Committee chose the theme "Mobilizing Technology to Advance Biobehavioral Science and Health" for this meeting.

In the 75th year of its foundation, we can proudly congratulate ourselves on our Society’s anniversary. Please join me in celebrating the jubilee with our members, trainees, colleagues and friends from around the world during this and the upcoming meetings of the Society. Please read on for further information on the various anniversary-related activities in a condensed version of Dr. Rebecca Reed’s recent article for the APS Newsletter.

On behalf of the APS Council, and past, current and future members, I welcome you to this special meeting!

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APS’s 75th Anniversary Celebration
Rebecca G. Reed, PhD

APS’s 75th Anniversary will be celebrated throughout the year, beginning with this meeting and continuing through the Mid-year Meeting in October 2017 in Berkeley, California, and ending with the 2018 Annual Meeting next March. As we begin the celebration, here’s a look at the early years, and what to expect for the next twelve months!

APS’ seventy five years reflect the staying power of our Society, as well as the relevance of and interest in the field of psychosomatic medicine. Donald Oken, Past Editor of our Journal, Psychosomatic Medicine, described in an editorial (1) that the durability of the Society is due in large part to the “bio-psycho-social model” (using the term coined by George Engel, APS Past-President (2)) that guides our research and clinical endeavors. Oken reflected that this approach represented a paradigm shift for medicine. Today, the bio-psycho-social approach is the prevailing conceptual model for all of psychosomatic science.

APS has been championed by several influential people and its enduring legacy is reflected in the themes of papers that made an impact on the field. To give you a sample of these early APS papers, take a look at the word cloud below Christoph’s article that visually represents words from the titles of the top 25 most-highly-cited articles in Psychosomatic Medicine during the first four decades of the Society. The contents of these classic articles reveal surprisingly contemporary topics! To highlight the historical roots of current cutting-edge research, we have identified papers from the earlier years of Psychosomatic Medicine that relate to the themes of the paper sessions being presented at this meeting. These papers are posted on the APS website and on the meeting APP, and the session chairs will provide brief comments on those connections at the start of each session.

This meeting will also mark the introduction of an Anniversary Video Series of interviews with past leaders of APS and influential scholars in psychosomatic medicine. Interviewees will address critical questions pertaining to APS’ past, present, and future, and selected portions of these interviews will be shown here in the meeting rooms between sessions, and in public areas of the meeting venue. The full length videos will be posted on the APS website following the meeting.

At the 2017 Mid-Year Meeting, Emotions in Social Relationships: Implications for Health and Disease, three outstanding individuals will be recognized with the 75th Anniversary Award. The Anniversary Award acknowledges scientific excellence at mid-career and beyond in scientists with expertise in the thematic research area linking affective science, social relationships, and physiological processes or physical illness. Awardees were selected based upon their overall scientific excellence and impact in relation to their career stage and will present their work at the meeting. We are very excited to announce that Drs. Naomi Eisenberger, Janice Kiecolt-Glaser, and Mary-Frances O’Connor have been selected for the 75th Anniversary Awards.

Please watch for other Anniversary events to be announced as planning for the 2018 Annual Meeting gets underway and we look forward to commemorating 75 years of the American Psychosomatic Society with you. What better time to reconnect with friends and colleagues while forming new connections and ideas that will propel us into the upcoming years!