

American Psychosomatic Society

March 8-11, 2023
San Juan,
Puerto Rico

80th Annual
Scientific Meeting

CHALLENGING THE
FUTURE: TOWARDS A
BETTER
BIOPSYCHOSOCIAL
HEALTH



2023 Program Book

WEDNESDAY, MARCH 8

7:30am – 7:00pm

Annual Meeting Registration
San Juan Foyer

Room: Bahia 2

12:00pm – 4:45pm

Diversity Travel Scholars Program
(invitation only)
Room: Laguna 1

8:30am – 12:00pm

APS Council Meeting
(invitation only)
Room: Sol Boardroom

12:30pm – 4:30pm

Afternoon Workshop

(pre-registration required)

Latent Variable Modeling of Mediation and Moderation
Organizing Committee: Christopher Celano, MD,
Michael Stanton, PhD
Faculty: *Todd D. Little, PhD*
Room: Bahia 2

7:30am – 12:30pm

Young Investigator Colloquium
MD Travel Scholars Program
(invitation only)
Room: Laguna 2

8:30am – 4:30pm

Full Day Workshop

(pre-registration required)

**Environmental Justice and the Role of Psychosomatic
Medicine**

Organizing Committee: *Amanda Acevedo, PhD,*
Siobhan Griffin, PhD, Cora Weber, MD
Faculty: *Humberto Cavallin, PhD Gredia Huerta-Montañez, MD,*
Ruth Santiago, JD, LLM, Kristi White, PhD
Room: Bahia 1

4:45pm – 5:40pm

Opening Session - Plenary

Welcome and 2023 Awards Recognition
Room: San Juan Ballroom 1-4

5:45pm – 6:30pm

Plenary

Distinguished Scientist Award Lecture
Speaker: *Julian Thayer, PhD*
Room: San Juan Ballroom 1-4

8:30am – 12:00pm

Morning Workshop

(pre-registration required)

**Ecological Momentary Assessments: Methodological
Approaches and Considerations.**

Organizing Committee: *Anne-Josée Guimond, PhD,*
DeWayne P. Williams, PhD
Faculty: *Mark Jarczok, Dr, Marcellus Merritt, PhD, Christina*
Ottaviani, PhD, PsyD

6:30pm – 8:00pm

Citation Poster Session

Room: San Juan Ballroom 5-8

Poster presenters can put posters up starting at 3:00pm. Take down immediately following the session.

8:00pm – 9:00pm

Fellow of APS (FAPS) Reception
Room: Bella Vista Terrace

7:00am – 6:30pm **Annual Meeting Registration**
San Juan Foyer

7:00am – 8:00am **Continental Breakfast**
Room: San Juan Ballroom 5-8

**Wellness Activity: YOGA –
 provided by the hotel for
 registered guests**

First Time Attendee/New Member Welcome Breakfast
Room: Laguna 1 & 2

All new, prospective, and curious APS members and meeting attendees are encouraged to attend. The APS Membership Committee and “experienced” APS members will be available to greet you and answer any questions. This is a great opportunity to kick off the meeting by experiencing the welcoming culture of APS.

8:00am – 8:15am **Data Blitz**

Chair: *Paige Green, PhD*
Posters of the Day Data Blitz! Be sure to come and learn about some of our most exciting trainee poster presentations of the day in fast-paced 2 minute talks!
Room: San Juan Ballroom 1-4

8:15am – 9:15am **Plenary**

Keynote Presentation: Can Digital Therapeutics (DT's) Move Us Closer To Integrated Care Provision? The Example Of Brain-Gut Treatments In Irritable Bowel Syndrome (IBS) And Inflammatory Bowel Disease (IBD).
 Speaker: *Rona Moss-Morris, PhD*
Room: San Juan Ballroom 1-4

9:30am – 10:30am **Concurrent Sessions**

Invited Symposium 1: COVID-related Psychophysiological Research and the “New Normal”
 Chair: *Siobhán Griffin, PhD*
 Speakers: *Josiemer Mattei, MPH, PhD Eleonora Iob, PhD Siobhán Howard, PhD, Daryl O'Connor, PhD*
Room: San Juan Ballroom 1-4

Symposium 1: 192 Superwoman Schema and the Health of Black Women
 Chair: *Christy Erving, PhD*
Room: Bahia 1

196 / Blunted Vascular Function in Black Females: Examining the Impact of Psychosocial Stress Exposure Versus Internalization and Maladaptive Coping
Zachary Martin, PhD

195 / Superwoman Schema in Black Women with Systemic Lupus Erythematosus: Maladaptive and Adaptive Pathways for Disease Management
Jerik Leung, MPH

193 / Superwoman Schema, Environmental Mastery and Arterial Stiffness in Black American Women
Kennedy Blevins, MA

194 / Superwoman Schema Endorsement and Subjective Sleep Quality among Black Women
Christy Erving, PhD

Paper Session 1: THE LATEST IN PAIN RESEARCH
 Chair: *Amanda Acevedo, PhD*
Room: Bahia 2

585 / Identifying Mechanisms Of Change Of Cognitive Behavioral Therapy For Pediatric Chronic Pain Using Network Intervention Analysis
Gloria Han, PhD

477 / Child Daily Pain Intensity In The Context Of Variations In Maternal Daily Pain And Mood
Jacqueline O'Brien, PhD

627 / Does Physician Compassion Predict Postoperative Pain And Opioid Use In Surgery Patients? A Prospective Cohort Study
Jeffrey Greeson, PhD

312 / Pain And Insomnia As Risk Factors For First Lifetime Onsets Of Anxiety, Depression, And Suicidality In Adolescence
Daniel Kopala-Sibley, PhD

Paper Session 2: PERINATAL AND CHILD HEALTH
 Chair: *Annie Ginty, PhD*
Room: San Felipe

263 / Perinatal Mood And Anxiety Disorders: Biomarker Discovery Using Plasma Proteomics
Eynav Accortt, PhD

302 / Nurturant-Involved Parenting Mitigates The Cardio-metabolic Risks Associated With Childhood Discrimination
Elizabeth Wiggins, Psychology

507 / Gender Differences In Infant Development: The Role Of Parental Pre- And Postnatal Psychosocial Functioning & Family Biomarkers
Guido Urizar, PhD

270 / The Effects Of A Prenatal Cognitive Behavioral Stress-Management Intervention On Postpartum Stress Levels Among Low-Income Women: Role Of Mindfulness
Julianna Martin, BA

Paper Session 3: LONGTERM EFFECTS OF COVID-19 ON PHYSICAL & MENTAL HEALTH
 Chair: *Thomas Ritz, PhD*
Room: Laguna 1 & 2

259 / Covid19 Era Effects On Older Adults' Cognitive Complaints, Depressive Symptoms, And Stressful Events
Suzanne Segerstrom, PhD, MPH

119 / Longer-Term Mental Health Consequences Of Covid-19 Infection: Moderation By Race And Socioeconomic Status
Michelle K. Williams, MS

482 / Patients With Functional Post-Covid Symptoms Show High Utilization Of The Health Care System
Jens Hamberger, Dipl.-Wjur

222 / Changes In Positive Aspects Of Wellbeing Among Older Adults In England During The Covid-19 Pandemic
Eleonora Iob, PhD

10:30am – 10:45am *Transition*

10:45am – 11:45am **Concurrent Sessions**

Paper Session 4: TECHNOLOGICAL INNOVATION

Chair: Nina Kupper, PhD

Room: San Juan Ballroom 1-4

532 / Stress+ – Towards An Open-Source Web Application For The Remote Induction Of Acute Psychosocial Stress
Robert Richer, MSc

179 / Real-Time Assessment Of The Impact Of Virtual Reality-Delivered Meditation On Autonomic And Behavioral Indicators Of Stress

Melissa M. Vanderkaay Tomasulo, PhD

370 / Using Consumer-Type Fitness Trackers For Measuring Physical Activity, Heart Rate And Sleep Duration In A Multicenter Intervention Trial Of Patients With Coronary Heart Disease

Christoph Herrmann-Lingen, MD

379 / Feasibility Of Remote Measurement Of Physical Activity, Sleep, Autonomic Physiology, And Momentary Emotion In Cardiac Arrest Survivors After Hospital Discharge

Michelle L. David, MHA

LATE BREAKING Paper Session 1: Mental Health

Chair: Janet Tomiyama, PhD

Room: Bahia 1

603 / Maternal Care Predicts Neural And Behavioral Effects Of Oxytocin Administration During Empathic Accuracy In Schizophrenia And Matched Controls

Casey Brown, PhD

692 \ Body Dissatisfaction In Black Women Remains Stable Across Age 12 To Age 40 And Predicts Mental And Physical Health Outcomes

Jordan Parker

713 \ SARS-CoV-2 Infection And Depressive Symptoms Among Frail Individuals Living In Long-term Care Facility

Jean-Philippe Gouin, PhD

Paper Session 5: CAREGIVER HEALTH

Chair: Sally Dickerson, PhD

Room: Bahia 2

191 / Role Of Familism In Neuroendocrine Functioning Among Spousal Caregivers Of Patients With Colorectal Cancer

Youngmee Kim, PhD

296 / Klotho And Telomere Biology Among High- And Low-Stress Maternal Caregivers

Ryan Brown, PhD

237 / Dyadic Investigation On The Roles Of Positive And Negative Social Support In Cardiovascular Functioning Among Adult Cancer Patient-Caregiver Dyads

Anna Amirov, AAS

216 / Prospective Analysis Of 10-Year Risk Of Cardiovascular Disease During Caregiving For A Loved One With Cancer

Jennifer Steel, PhD

Paper Session 6: HOW NEIGHBORHOODS MAY AFFECT HEALTH

Chair: Agus Surachman, PhD

Room: San Felipe

118 / Racial Residential Segregation, Neighborhood Environment And All-Cause Mortality Among Older Chinese Immigrants In The United States

Yanping Jiang, PhD

209 / Neighborhood Social Capital And Psychosocial Stress Reactivity: Evidence From The Richmond Stress And Sugar Study

Kelly Pequet, MBA/MPH

173 / Longitudinal Associations Between Historical Redlining And Blood Pressure: The Multi-Ethnic Study Of Atherosclerosis

Xing Gao, MPH

250 / Childhood Socioeconomic Disadvantage, Neighborhood Belonging, And Inflammation Among Adolescents

Michelle A. Chen, PhD

Paper Session 7: POSITIVE PSYCHOLOGICAL CONSTRUCTS & HEALTH

Chair: Michael Stanton, PhD

Room: Laguna 1 & 2

326 / Does More Of The Good Life Lead To A Longer Life? Positive Experiences, Allostatic Load, And Risk Of Mortality

Tara Gruenewald, PhD

166 / The Influence Of Gratitude On Trajectories Of Posttraumatic Stress Symptoms And Positive Mental Health In Healthcare Workers During The Covid-19 Pandemic

Mary Smirnova, BA

254 / Positive Affect And Survival Over 6 Years In A Nationwide Sample

Gail Ironson, MD

262 / Advancing The Study Of Intersectionality And Flourishing Through Natural Language Use

Dakota W. Cintron, PhD

11:45am – 12:00pm

Coffee Break

San Juan Ballroom 5-8

12:00pm – 12:45pm Plenary

TEDSTYLE Talk: Sociocultural context and biopsychosocial health: Lessons from Puerto Rico
Speaker: *Shakira Suglia*, ScD, MS, FABMR
Room: San Juan Ballroom 1-4

12:45pm – 1:45pm Lunch on your own / networking

Wellness Activity:
Mindfulness with Sara Matovic & Florencia Trespalacios
Room: Sol Boardroom

Roundtable Lunch:
Cultivating DEI in Research Practice and Academia
(pre-registration required)
Room: The Link

1:45pm – 2:45pm Concurrent Sessions

Paper Session 8: CANCER
Chair: Amanda Acevedo, PhD
Room: San Juan Ballroom 1-4

208 / Contextual Stressors And 6-Year Mortality In Women With Breast Cancer
Maria M Llabre, PhD

280 / Video-Conferenced Stress Management And Relaxation Training (Vsmart) Mitigates Increases In Cellular Immunosenscence In Distressed Older Women Undergoing Breast Cancer Treatment
Michael Antoni, PhD

215 / Hopefulness And Hopelessness Are Associated With Different Inflammatory Profiles In Ovarian Cancer Patients
Rachel Telles, MA

283 / Feasibility Of Systematically Screening For Medication Nonadherence At An Outpatient Breast Cancer Clinic
Nadia Livanage-Don, MD, MS

Paper Session 9: ADVERSE CHILDHOOD EXPERIENCE & FUTURE DISEASE MECHANISMS AND OUTCOMES

Chair: Siobhán Griffin, PhD
Room: Bahia 1

99 / Adverse Childhood Experiences And Adult Disease As Mediated By Risk Factors: Results From The Hispanic Community Health Study/Study Of Latinos Sociocultural Ancillary Study
Marissa A. Kobayashi, PhD

329 / Associations Among Cardiac Vagal Regulation, Exposure To Adversity And Adiposity In Adolescents Experiencing Poverty: Variation By Race And Sex
Lori Francis, PhD

362 / Sex Differences In The Association Between Childhood Trauma And Adult Inflammation In Daily Life
Brianna Natale, MS

438 / Physical Abuse And Neglect Is Associated With Greater Body Mass Index: A Latent Profile Analysis
Francisco Marquez, ScM

Paper Session 10: MECHANISMS OF RUMINATION

Chair: Jacqueline Rodriguez-Stanley, MA
Room: Bahia 2

322 / The Interactive Effects Of Rejection And Rumination On Diurnal Cortisol Among Adolescent Girls: A Daily Diary Study
Chrystal Vergara-Lopez, PhD

618 / Rumination And Cardiovascular Recovery From Psychological Stress: Testing Multiple Models Of Recovery
Aisling Costello, PhD

134 / Physiological And Emotional Responses To Anger Recall And Neutral Speech: The Role Of Trait Anger Rumination
Stefanie Duijndam, PhD

320 / Intrusive Thinking Alters Gabaergic And Glutamatergic Neurotransmission Within Anterior Cingulate Cortex And Related-Functional Connectivity
Cristina Ottaviani, PhD, PsyD

Paper Session 11: CLINICAL TRIALS FOR DEPRESSION IN SOMATIC DISEASE

Chair: Cora Weber, MD
Room: San Felipe

89 / Depression Subtypes In Patients With Heart Failure With Reduced Ejection Fraction: A Secondary Analysis From The Randomized Controlled Hopeful Heart Trial
Monika Sadlonova, MD

380 / Feasibility Of The Multinational, Eu-Funded Escape (Evaluation Of A Patient-Centred Biopsychosocial Blended Collaborative Care Pathway For The Treatment Of Multi-Morbid Elderly Patients) Trial
Christoph Herrmann-Lingen, MD

172 / Effect Of Modernized Collaborative Care For Depression On Health Behaviors And Cardiovascular Disease Risk Factors: Results Of The Eimpact Trial
Matthew D. Schuiling, BA

334 / Effect Of Modernized Collaborative Care For Depression On Brain-Derived Neurotrophic Factor (Bdnf) And Depressive Symptom Clusters: Data From The Eimpact Trial
Christopher A. Crawford, BA

Paper Session 12: BIOLOGICAL RESPONSE TO ENVIRONMENTAL CONTEXT

Chair: Kim Dienes, PhD
Room: Laguna 1 & 2

304 / Cell-Free Mitochondrial Dna Is An Acute Biomarker Of Psychological Stress With Unique Kinetics In Blood And Saliva
Jeremy Michelson, PhD

619 / Exaggerated Vasoconstriction During Psychological Stress In Post-Traumatic Stress Disorder: A Co-Twin Control Study

84 / Physical Activity And Sleep Relate To Long-Term Antibody Maintenance Following Naturalistic Infection And/Or Vaccination In Older Adults

Anna Whittaker, PhD

661 / Increases In Il-6 In Response To The Influenza Vaccine Predict Decrements In Response Inhibition

Gabriella Alvarez, MA

2:45pm – 3:00pm

Transition

3:00pm – 3:45pm

Concurrent Sessions

Paper Session 13: ADHERENCE IN HEART DISEASE

Chair: Allison Gaffey, PhD

Room: San Juan Ballroom 1-4

613 / Depression And Adherence To Guideline-Directed Medical Therapies Following Coronary Intervention

Matthew Lapa, MD

404 / The Role Of Psychological Factors In Adherence To Health Behaviors After Percutaneous Coronary Intervention: Effect Moderation By Cardiac Rehabilitation

Emma Douma, MSc

538 / Posttraumatic Stress Symptoms Predict Ambulatory Heart Rate Independently Of Health Behaviors In Cardiac Patients After An Acute Hospitalization

Jeffrey Birk, PhD

Paper Session 14: GUT HEALTH

Chair: Youngmee Kim, PhD

Room: Bahia 1

308 / Why Do Reflux Patients Press The Button? Factors Contributing To Real-Time Esophageal Symptom Reporting

Livia Guadagnoli, PhD

310 / Associations between health behaviours GI symptoms and gut microbiota in a cross-sectional sample of cancer survivors: Secondary analysis from the Chemo-Gut study

Julie Deleemans, PhD

552 / Happy Gut Happy Mind: Associations Between Gut Microbes And Positive Emotion

Desiree Delgadillo, MA

Paper Session 15: WORK RELATED STRESS & HEALTH

Chair: Stefanie Duijndam, PhD

Room: Bahia 2

561 / Examining The Effect Of Headspace On Reducing Everyday Stress Levels Among Working Adults

Matthew Zawadzki, PhD

493 / The Impact Of Firefighter Work Schedule On Psychosomatic Symptoms

Nicole Bowles, PhD

Paper Session 16: EATING BEHAVIOR, DIABETES, AND CARDIOMETABOLIC HEALTH

Chair: Harley Layman, BA

Room: San Felipe

388 / Disordered Eating Is Associated With Blunted Blood Pressure Reactivity And Poorer Habituation To Acute Psychological Stress

Adam O' Riordan, PhD

311 / Ecological Momentary Assessment Of Emotional Distress And Treatment Adherence In Type 2 Diabetes

Claire Hoogendoorn, PhD

537 / Interactive Relations Of Glycated Hemoglobin Levels, Self-Identified Race, And Age To Subclinical Cerebrovascular Disease In Older Adults

Frances G. Alfonzo, BA

Paper Session 17: POST-TRAUMATIC STRESS AND SLEEP

Chair: Aric Prather, PhD

Room: Laguna 1 & 2

443 / Association Of Posttraumatic Stress Disorder With Obstructive Sleep Apnea: A Twin Study

Amit Shah, MD, MSCR

229 / Comorbid Insomnia And Sleep Apnea Influence Social Functioning: Variation By Ptsd Diagnosis

Patricia B. Pedreira, MS

3:45pm – 4:00pm

Coffee Break

San Juan Ballroom 5-8

4:00pm – 5:15pm

Concurrent Sessions

Symposium 2: 155 / BIOBEHAVIORAL INFLUENCES ON ACCELERATED AGING IN CANCER SURVIVORS

Chair: *Kelly E. Rentscher, PhD*

Room: San Juan Ballroom 1-4

485 / Mood Disturbances Contribute To An Accelerated Aging Phenotype In Childhood Cancer Survivors: The Childhood Cancer Survivor Study

Kelly E. Rentscher, PhD

553 / Socioeconomic Status And Sleep: Examining Biobehavioral Pathways In A Longitudinal Study Of Women With Breast Cancer

Yrvane Pageot, MA

490 / Accelerated Epigenetic Aging In Older Breast Cancer Survivors With Poor Sleep Quality: The Thinking and Living with Cancer (TLC) Study

Judith E. Carroll, PhD

548 / Epigenetic Age Acceleration And Neuropsychological Symptoms Among Patients With Head And Neck Cancer

Canhua Xiao, RN, PhD

Paper Session 18: META-ANALYSES AND SYSTEMATIC REVIEWS

Chair: DeWayne Williams, PhD

Room: Bahia 1

233 / Psychological And Exercise Interventions For Reducing Cardiovascular Reactivity And Enhancing Recovery: A Systematic Review And Meta-Analysis

Mark Thomas, PhD

437 / Racial Differences In Common Inflammatory Markers: A Systematic Review And Meta-Analysis

Cameron Wiley, MA

369 / Meta-Analysis Of The Effects Of Acute Exercise On Mood

Ali Weinstein, PhD

301 / Head-To-Head Comparison Of E-Health-Delivered Cognitive Behavioral Therapy For Insomnia (ECBT-I) And Face-To-Face Delivered CBT-I (F2F-CBT-I) - A Systematic Review And Meta-Analysis Of Equivalence

Sofie Møgelberg Knutzen, MSc**Paper Session 19: HEALTH EFFECTS OF RELATIONSHIPS, OR THE ABSENCE THEREOF**

Chair: Kim Dienes, PhD

Room: Bahia 2

199 / Marital Negativity's Festering Wounds: The Emotional, Immunological, And Relational Toll Of Couples' Negative Communication Patterns

Rosie Shrout, PhD

624 / Lonely Days: The Unique Role Of Day-To-Day Loneliness In Biomarkers Of Aging And Physical Function

Stephanie J. Wilson, PhD

340 / Examination Of Links Between Social Connectedness, Diurnal Cortisol Profiles, And Inflammation In Older African American Adults

Katherine Knauff, PhD

260 / Social Connectedness And Health: Bringing Eudaimonic Well-Being Into The Mix

Elliot Friedman, PhD**Symposium 4: 93: FROM SCREENING TO SURVIVORSHIP: IMPROVING BREAST AND COLORECTAL CANCER OUTCOMES AMONG SPECIAL POPULATIONS**Chair: *Patricia Moreno, PhD***Room: San Felipe**

587 / Predictors of Adherence to National Colorectal Cancer Screening Guidelines among Urban-Dwelling Diverse Adults

Heidy N. Medina, PhD MPH

337 / Coping Strategies and Psychosocial Resources among Women Living with Metastatic Breast Cancer: A Qualitative Study

Blanca S Noriega Esquivas, MD, PhD

338 / Area Deprivation, Health Outcomes, Biobehavioral Stress Processes and Stress Management Effects in Breast Cancer Patients in South Florida

Michael H Antoni, PhD

325 / Associations of Self-disclosure with Sleep in Cancer Patients and their Sleep-partner Caregivers: A Dyadic Investigation

Thomas C Tsai, MS**Paper Session 20: EARLY BIOMARKERS OF HEALTH AND DISEASE**

Chair: Martin Picard, PhD

Room: Laguna 1 & 2

511 / Daily Stress And Eating Behaviors In Adolescents And Young Adults: Exploring The Role Of Cortisol Reactivity And Eating Styles

Daryl O'Connor, PhD

607 / Association Between Epinephrine, Bone Mineral Density, And Odds Of Osteoporosis In Puerto Rican Older Adults

Liam Fouhy

650 / Neural Mechanisms Underlying Individual Differences In Daily Affective Experiences And Cortisol Activity

E. Lydia Wu-Chung, MA

300 / Associations Between Historical Redlining And Leukocyte Telomere Length: The Multi-Ethnic Study Of Atherosclerosis (MESA)

Elleni Hailu, MPH**5:15pm – 5:30pm****Transition****5:30pm – 6:30pm****Concurrent Sessions****Symposium 3: 67 CHALLENGING THE FUTURE OF DYADIC HEALTH ACROSS ADULTHOOD: LEVERAGING CLOSE RELATIONSHIPS TO PROMOTE HEALTHY AGING**Chair: *Stephanie J. Wilson, PhD***Room: San Felipe**

186 / Marital Satisfaction, Age, And Inflammatory Responses To A Spouse's Distress: The Downside Of A Happy Marriage In Older Adulthood

Stephanie J. Wilson, PhD

384 / Social Relationships and Epigenetic Aging in Older Adulthood: Results from the Health and Retirement Study

Kelly E. Rentscher, PhD

349 / A Couples-Based Intervention To Promote Physical Activity And Healthy Eating Among Obese Older Adults During Pandemic-Related Confinement Period: A Pilot Study

Jean-Philippe Gouin, PhD

348 / Family Caregivers' Emotional Well-Being Mediates The Association Between Emotional Impairments And Mortality In People With Neurodegenerative Disease

Kuan-Hua Chen, PhD**Roundtable: Panel: Open Science**

Panelists: Daryl O'Connor, PhD, Suzanne Segerstrom, PhD, Janet Tomiyama, PhD

Room: San Juan Ballroom 1-4

Roundtable: Grant Writing
Room: San Cristobal

Mid/Senior Mentor/Mentee Reception
Room: Laguna 1 & 2

6:30pm – 8:00pm

Poster Session 1

Room: San Juan Ballroom 5-8

Poster presenters can put posters up anytime during the day. Take down immediately following the session.

8:00pm – 9:30pm

Mentor/Mentee Reception

Room: Laguna 1 & 2

FRIDAY, MARCH 10

7:00am – 6:30pm

Annual Meeting Registration
San Juan Foyer

11:30am – 11:45am

Transition

7:00am – 8:00am

Continental Breakfast-
Room: San Juan Ballroom 5-8

Wellness Activity: YOGA
provided by the hotel for registered guests

APS SIG Meeting:
Affect Science in Medicine
Room: Sol Boardroom

11:45am – 12:45pm

Concurrent Sessions

Invited Symposium 2: Considering Person- and Population-Level Differences to Promote Health in an Uncertain World

Organizing Committee: *Stefanie Duijndam, PhD, Allison Gaffey, Agus Surachman, PhD, Nadia Liyanage-Don, MD*
 Speakers: *Dr. Karin Coifman, Dr. Carolyn Fang, Karl Maier, PhD*

Room: San Juan Ballroom 1-4

8:00am – 8:15am

Data Blitz

Chair: *DeWayne Williams, PhD*
Room: San Juan Ballroom 1-4

Posters of the Day Data Blitz! Be sure to come early and learn about some of our most exciting poster presentations of the day in fast-paced 2 minute talks!

Paper Session 21: DISCRIMINATION & HEALTH

Chair: *DeWayne Williams, PhD*

Room: Bahia 1

377 / Discrimination And Sleep Problems Amongst Black, Latino/A/X, And White Emerging Adults: Testing For The Cultural Equivalence Of Measurement

Hector Lopez-Vergara, PhD

506 / Self-Compassion As A Potential Moderator Between Perceived Discrimination, Verbal Violence And Chronic Stress In An Immigrant Sample In Germany

Felicitas Hauck, MSc

275 / Differences In Ethnic Minority Fathers Experiences Of Discrimination And Stress

Annie Tong, BA

684 / The Influence Between Testosterone, Emotional Regulation, and Social Support on Severity of Intimate Partner Violence Perpetration Among Hispanic Males on Probation

Maria Isabel Ramos Martinez, BA

8:15am – 9:00am

Plenary

Patricia R. Barchas Award Lecture
 Speaker: *Mary-Frances O'Connor, PhD*
Room: San Juan Ballroom 1-4

9:00am – 10:00am

Plenary

Presidential Address: Tené Lewis, PhD
Room: San Juan Ballroom 1-4

10:00am – 10:15am

Coffee Break
San Juan Ballroom 5-8

10:15am – 11:30am

Plenary

KEYNOTE: Boosting the Positive or Reducing the Negative, State of the Art and Way Forward

Discussant: *Bruce Rollman, MD*

Speakers: *Laura Kubzansky, PhD, Andrew Steptoe, DSc.*

Room: San Juan Ballroom 1-4

Symposium 5: 230 Improving Neurodevelopmental Wellbeing: Challenging The Status Quo In Autism And ADHD Research And Clinical Practice

Chair: *Lisa Quadt, PhD*

Room: Bahia 2

400 / Neural and affective effects of interoceptive therapy in autistic adults

Sarah Garfinkel, PhD

401 / NeuroPALS: Pathways to Autistic-Led Studies (PALS) in Clinical Neuroscience
Lisa Quadt, PhD

234 / The Interoception Curriculum: A Guide to Developing Mindful Self-Regulation (IC©)
Kelly Mahler, MS, OTR/L

469 / The expression of affective regulation in neurodivergence: the role of proprioception
Jessica Eccles, PhD, MD

Paper Session 22: TECHNOLOGICAL INNOVATION II

Chair: Michael Stanton, PhD

Room: San Felipe

391 / Digital Health Approaches For Predicting PTSD: An Integrative Conceptual Model
Katharina Schultebrucks, PhD

545 / Engagement And Clinical Outcomes Of A Digital Mental Health Benefit
Lydia Roos, PhD

324 / Feasibility And User Experience Of A 2-Month Digital Phenotyping Study Of People With Diabetes And A Control Group
Amy Mc Inerney, MSc

638 / Feasibility, Engagement, And Efficacy Of A Digital Health Program With Human Coaching For Migraine And Headache
Anthony Cocco, MBA

Paper Session 23: DEPRESSION ASSOCIATED RISK FACTORS FOR MORBIDITY AND MORTALITY

Chair: Siobhán Griffin, PhD

Room: Laguna 1 & 2

448 / Excess Risk Of Hospitalisations For Physical Illness In People With Depression: An Outcome-Wide Multicohort Study
Philipp Frank, MSc

170 / Higher Inflammatory Signaling Predicts Future Depression Severity Among Adolescents With Lower Emotional Clarity
Allyson T. Bisgay, BA

601 / Social Engagement, Allostatic Load, And Mortality Among Older Puerto Ricans
Luis M. Falcon, PhD

368 / Winter Blunts Associations Between Retinal Responsivity And Circadian Timing
Delainey Wescott, MS

12:45pm – 2:00pm Lunch Break and activities

Psychosomatic Medicine Meeting
(invitation only)
Room: San Cristobal

APS SIG Meeting: Sexual Minority Health
Room: Luna Boardroom

APS SIG Meeting: Psychosocial Wellbeing and Health
Room: The Link

APS SIG Meeting: Digital and Telemental Health
District Lounge/Lobby Bar

1:30pm – 2:00pm Wellness Activity: Mindfulness with Sara and Florencia
Room: Sol Boardroom

2:00pm – 3:00pm Concurrent Sessions

Symposium 6: 185 Mechanisms Linking Adversity To Health Across The Life Course

Chair: *Ruth A Hackett, PhD*

Room: San Juan Ballroom 1-4

451 / The Association Between Interpersonal Discrimination And Blood Pressure In Adolescents
Adolfo G Cuevas, PhD

450 / Neighborhood Quality is Associated with Elevated Blood Pressure in Adolescents
Danielle M. Krobath, PhD

452 / The Relationship Between Sex Discrimination And Mental Wellbeing In Middle-Aged And Older Women
Ruth A Hackett, PhD

453 / The Combined Effect Of Socioeconomic Status And C-Reactive Protein For Predicting Incident Cardiometabolic Disease: Findings From A 14-Year Follow-Up Study Of The English Longitudinal Study Of Ageing (ELSA)
Lydia Poole, PhD

Symposium 7: 207 Multi-level Adversities and Health: Relationships with Neural, Cardiometabolic and Mental Health Outcomes

Chair: *Layla Banihashemi, PhD*

Room: Bahia 1

213 / Relationships Among Childhood Adversity, Central Visceral Network and Adulthood Cardiovascular Stress Reactivity in an Abuse-Enriched Sample
Layla Banihashemi, PhD

284 / Historical and Childhood Trauma: Implications For Mental And Cardiometabolic Health In American Indian Adults
Annie T. Ginty, PhD

Follow the meeting on Twitter:



#APS2023PuertoRico

247 / Momentary Examinations of Socioeconomic Status-Related Identity, Threat, and Resilience and Ambulatory Blood Pressure
Nataria Joseph, PhD

497 / Independent and Interactive Associations among Perceived Discrimination, Perceptions of Structural Racism, and Blood Pressure
Tanisha Burford, PhD

Paper Session 24: INDIVIDUAL DIFFERENCES IN CARDIOVASCULAR DISEASE

Chair: Allison Gaffey, PhD
Room: Bahia 2

415 / Patient Profiles Related To Telehealth Satisfaction In Cardiology Outpatients During The Covid-19 Pandemic
Willem Kop, PhD

203 / Race Moderates The Association Between Post Traumatic Stress Disorder And Cardiovascular Risk
Stephanie Cook, DrPH, MPH

496 / Association between shift-and-persist and cardiometabolic markers and dysregulation among young adults in Puerto Rico
Andrea Lopez-Cepero, PhD, MPH

456 / Men And Women Have To Be Looked At Differently – Procoagulant Markers In Depressed Coronary Artery Patients From The SPIRR CAD Trial
Cora Stefanie Weber, MD

Paper Session 25: EXPERIENCE SAMPLING AND BIOLOGICAL VARIABLES

Chair: Youngmee Kim, PhD
Room: San Felipe

465 / Greater Ecologically-Assessed Positive Experiences Predict Heightened Sex Hormone Concentrations Across Two-Weeks In Older Adults
Erik L. Knight, PhD

375 / Heart Metrics From Wearable Sensors At Night Predict Next-Day Pain Reports: Two Studies Of Primary Chronic Pain
Veronica Dudarev, PhD

651 / Does Headspace Improve Sleep Quality In Daily Life: A Daily Diary Study Of App-Based Mindfulness Meditation And Sleep
Zoltan A. Torok, PhD

387 / The Daily Dynamics Of Stress And Self-Reported Attention: Moderation By Physical Activity And Age
Nicole Stuart, BA

Paper Session 26: AGING AND LIFESPAN RESEARCH

Chair: Paige Green, PhD
Room: Laguna 1 & 2

534 / Impact Of Psychosocial Stress In Early Life On Dna Methylation Pace Of Aging In Young Adulthood
Shaoyong Su, PhD

126 / Life-Course Social Participation And Physical Activity In Midlife: Longitudinal Associations In The 1970 British Cohort Study (BCS70)
Stergiani Tsoli, MPhil

458 / Associations Between Childhood Stress Exposures, Stress Hormones, And Biological Aging In Midlife Adults
Jenna Hansen, BS

565 / Life Course Socioeconomic Status And Biological Aging Indicators Among Black And White Women In National Growth And Health Study
Agus Surachman, PhD

3:00pm – 3:15pm

**Coffee Break
 San Juan Ballroom 5-8**

3:15pm – 4:30pm

Concurrent Sessions

Paper Session 27: CARDIOMETABOLIC RISK IN THE YOUNG AND THE OLD

Chair: Harley Layman, BA
Room: San Juan Ballroom 1-4

98 / Associations Between Cardiorespiratory Fitness And Hippocampal Subfield Morphology In Older Adults
Hayley Ripperger, MS

273 / Eating Behaviors As Pathways From Early Childhood Adversity To Adolescent Cardiometabolic Risk
Jenalee Doom, PhD

175 / Adolescents' Perceived Support From Friends Moderates The Link Between Parents' Subjective Social Status And Adolescents' Systemic Inflammation
Tao Jiang, PhD

123 / The Role Of Family Context In Shaping Depressive Symptoms And Cardiometabolic Risk In Childhood
Julie M. Brisson, BA

239 / Psychological Well-Being As A Determinant Of Cardiovascular Disease Risk And Related Biological Processes In Older Adults: A Prospective Study
Farah Qureshi, PhD

Symposium 8: 206 Moving toward a precision-based framework for psychosomatic medicine

Chair: *Cristina Ottaviani, PhD, PsyD*
Room: Bahia 1

316 / Changes in interoceptive processes by theta burst stimulation of the insular cortex: a combined TMS/fMRI study
Cristina Ottaviani, PhD, PsyD

211 / Mechanistic relevance of false physiological feedback studies to the understanding of somatic symptoms
Hugo Critchley, MD DPhil FRCPsych

317 / Altered cardiac signatures and changes in multisensory integration as novel mechanisms underlying dissociation
Sarah Garfinkel, PhD

318 / The association of pulse pressure with brain function in healthy individuals
Andy Schumann, PhD

Symposium 9: 62 Studying Naturalistic Health And Health Behaviors Of Individuals And Dyads Using Innovative Technologies

Chair: *Kuan-Hua Chen, PhD*
Room: Bahia 2

258 / Large Scale Mobile Sensing to Assess Physiological and Psychological States in Daily Life
David Newman, PhD

106 / Remotely Measured In-Home Co-Location of Dementia Caregivers and Care Recipients is Associated with Changes in Caregivers' Depressive Symptoms
Kuan-Hua Chen, PhD

256 / Daily Double Steps: Concordance of Daily Physical Activity between Persons with Type 2 Diabetes and their Partners
Josh Novak, PhD

109 / Naturalistic Observation of Couples' Dyadic Management of Type II Diabetes Mellitus
Janina Lüscher, PhD

Paper Session 28: PHYSIOLOGICAL AND EMOTIONAL REACTIVITY TO STRESS

Chair: *Jacqueline Rodriguez-Stanley, MA*
Room: San Felipe

309 / Distressed About The Stress Response: Associations Between Hormonal Contraceptive Use, Women's Stress Responses, Inflammation, And Mood
Summer Mengelkoch, PhD

531 / Bodily Freezing As A Response To Acute Psychosocial Stress
Luca Abel, MSc

374 / Evaluation Of The Association Of Parental And Young Adult Socio-Economic Status Variables With Cardiovascular Physiology In Rest And In Response To Stress Induction; The PheMore Study
Nina Kupper, PhD

637 / Airway Response To Emotion-Induction By Films Is Associated With Fmri Bold Activation In Cortical And Subcortical Regions
Thomas Ritz, PhD

Paper Session 29: THE LATEST IN NEUROSCIENCE

Chair: *Peter Gianaros, PhD*
Room: Laguna 1 & 2

459 / Somatic Symptoms And Brain Morphology: A Population Neuroimaging Study In 12,286 Pre-Adolescents
Fernando Estevez-Lopez, PhD

421 / Examining Peer Relationships As Moderators Of Socioeconomic Status And Network Connectivity In Adolescents
Erin Bender, BS

187 / Heart Rate Variability Is Associated With Global Cognition And Cognitive Impairment
Richard Sloan, PhD

227 / Implications of Post-Traumatic Stress Disorder Symptoms for Midlife Women's Cardiovascular and Brain Health
Rebecca Thurston, PhD

4:30pm – 4:45pm *Transition*

4:45pm – 5:45pm **Concurrent Sessions**

SESSION: DISINFORMATION, MISCOMMUNICATION, AND GROUPTHINK: EFFECTIVELY SHARING BIOBEHAVIORAL SCIENCE FOR HEALTH PROMOTION AND PREVENTION

Presenters: *Simon Williams, PhD Tené Lewis, PhD, Diana Chirinos, PhD, Suzanne Segerstrom, PhD, Mayra Vega*
Room: Bahia 1

DOCUMENTARY SCREENING: *The Power of the People: A Collective Struggle for Life and the Environment*
Room: San Juan Ballroom 1-4

6:00pm – 7:30pm **Poster Session 2**
Room: San Juan Ballroom 5-8

Poster presenters can put posters up anytime during the day. Take down immediately following the session.

7:45pm– 9:30pm **Past Leaders Dinner**
 Offsite (*invitation only*)
 Meet in lobby at 7:30pm or take a taxi to the restaurant.

Emerging Leaders Social Hour
Light hors d'oeuvres will be served
Room: District Lounge/Lobby Bar
 Open to all trainees.

Follow the meeting on Twitter:



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7:30am – 6:00pm **Annual Meeting Registration**
San Juan Foyer

12:45pm – 1:45pm **Lunch on your own**

7:30am – 8:30am **Continental Breakfast**
Room: San Juan Ballroom 5-8

Round Table Luncheons
(pre-registration required)

Wellness Activity: YOGA
provided by the hotel for registered guests

Roundtable: Climate Change Sustainability and Health SIG
Welcome and Connect
Room: The Link

8:30am – 9:30am **APS Members Meeting**
Room: San Juan Ballroom 1-4

Roundtable: Antiracism Task Force
Facilitators: Briana Mezuk, PhD & Michael Stanton, PhD
Room: District Lounge/Lobby Bar

9:30am – 9:45am **Transition**

Roundtable: Awards Committee: Navigating the Academy - Gaining Honors as an Early Career Researcher
Facilitator: Aric Prather, PhD
Room: Sol Boardroom

9:45am – 10:00am **Data Blitz**
Chair: Cora Weber, MD
Room: San Juan Ballroom 1-4

Posters of the Day Data Blitz! Be sure to come early and learn about some of our most exciting poster presentations of the day in fast-paced 2 minute talks!

1:00pm – 2:00pm **Psychosomatic Medicine Strategy Revisit**
(invitation only)
Room: San Cristobal

10:00am – 11:30am **Plenary – Award Lectures**

Herbert E. Weiner Early Career Award Lecture
Awardee: *Martin Picard, PhD*
Room: San Juan Ballroom 1-4

2:00pm – 3:00pm **Concurrent Sessions**

Invited Symposium 3: MAINTAINING OPTIMUM HEALTH IN CHRONIC CONDITIONS – BIO-PSYCHO-SOCIAL INTERVENTIONS IN CARDIOVASCULAR AND CANCER MEDICINE

Organizers: Youngmee Kim, PhD, Michael Stanton, PhD
Presenters: Paige Green, PhD Brian Gonzalez, PhD, Claudia Trudel-Fitzgerald, PhD, Heather Tulloch, PhD
Room: San Juan Ballroom 1-4

Paul D. McLean Award Lecture
Awardee: *Lisa Barnes, PhD*
Room: San Juan Ballroom 1-4

LATE BREAKING & QUALITATIVE

Chair: Amando Acevedo, PhD
Room: Bahia 1

11:30am – 11:45am **Coffee Break**
San Juan Ballroom 5-8

11:45am – 12:30pm **Plenary**

269 / Medication Adherence In Patients Following Hematopoietic Stem Cell Transplantation: A Qualitative Study
Hermioni Amonoo, MD

156 / Living With Spontaneous Coronary Artery Dissection: A Multicenter, Patient-Informed Investigation
Karen Bouchard, PhD

714 \ The Expression And Treatment Of Depression In Renal Dialysis Patients: A Qualitative Study In A Culturally Diverse Population Exploring Patient Perspectives
Simone Jayakumar, PhD

696 / Understanding Behaviours in Response to Respiratory Infections: The CARI Cymru Study
Kimberly Dienes, PhD

Award Lecture: Martica Hall Award in Sleep Medicine:
Speaker: *Michael Irwin, MD*
Room: San Juan Ballroom 1-4

Follow the meeting on Twitter:



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Paper Session 30: SOCIO-ECONOMIC INFLUENCES ON HEALTH

Chair: Nina Kupper, PhD

Room: Bahia 2473 / Social Mobility And Immunometabolic Risk At Mid-Life
Kristina Dickman, MS403 / Everyday Discrimination, Education, And Subclinical Atherosclerosis In Early Midlife African-American Women
Christy Erving, PhD546 / Subjective Social Status Among Mothers With Neurotypical And Neurodiverse Children
Agus Surachman, PhD**Paper Session 31: BIOLOGICAL PROCESSES RELEVANT TO PSYCHOSOMATIC HEALTH**

Chair: Stefanie Duijndam, PhD

Room: San Felipe367 / Predictive Power Of The Neuro-Immunomodulatory Index (Nim) At Hospital Admission Of Covid-19 Patients For Covid-Related Outcomes – A Retrospective Study
Marc N. Jarczok, Dr.655 / Racial Differences In The Relationship Between C-Reactive Protein And Left Ventricular Mass
Julia Birenbaum, BS471 / Does Race Moderate The Relationship Between Heart Rate Variability And Preclinical Cardiovascular Disease?
Chrystal Spencer, BA705 \ Brain Atrophy In Anorexia Nervosa, but Increase With Clinical Symptoms in the Prefrontal and Posterior Insular Cortices: A Multicenter Neuroimaging Study
Atsushi Sekiguchi, MD**Symposium 10: 61 LEVERAGING EMA DATA IN THE BIOBEHAVIORAL EXAMINATION OF LONELINESS**

Chairs: Karina Van Bogart, MS & Jennifer Graham-Engeland, PhD

Room: Laguna 1 & 2341 / Daily associations between inflammation and experiences of social connection with a close other
Tatum A. Jolink, MA342 / Examining the vicious cycle of loneliness and anxiety among older adults in daily life
Karina Van Bogart, MS339 / Examining how momentary loneliness relates to subjective and objective sleep outcomes: Comparing average, max, and variability daily loneliness scores
Kayla T. Johnson, MS

3:15pm – 4:15pm

Concurrent Sessions

Symposium 11: 235 MITOCHONDRIA PSYCHOBIOLOGY

Chair: Caroline Trumpff, PhD

Room: San Juan Ballroom 1-4236 / Psychosocial Experiences And The Mitochondrial Brain Proteome In Older Adults
Caroline Trumpff, PhD578 / Compromised Mitochondrial Energy Metabolism And related DNA Damage In Peripheral Blood Mononuclear Cells Of Female Patients With Borderline Personality Disorder
Alexander Behnke, PhD598 / Mitochondrial Psychobiology and the Energetic Cost of Stress Responses
Martin Picard, PhD593 / The Role Of Brain Mitochondrial Respiration In The Behavioral Effects Of Chronic Gestational Stress Exposure
Erin Gorman-Sandler, PhD Candidate**Paper Session 32: INTERVENING ON BIO-BEHAVIORAL SYMPTOMS**

Chair: Paige Green, PhD

Room: Bahia 1444 / Change In Emotional Eating, Inflammation, And Metabolic Markers Across Two Behavioral Weight Loss Programs
Kelsey Sinclair, MA306 / Effects Of 12 Weeks Of App-Based Exercise On Depressive Symptoms Of Healthcare Workers: A Randomized Controlled Trial
Vincent Gosselin Boucher, PhD449 / Predictors Of Treatment Response Trajectories In Chronic Fatigue Syndrome
Maaik Van den Houte, PhD700 \ Obesity And Immune Challenge Modulate The Willingness To Expend Effort For Reward
Iris Ka-Yi Chat, MA**Paper Session 33: PREDICTORS OF CARDIOMETABOLIC HEALTH**

Chair: Cora Weber, MD

Room: Bahia 2381 / Beat-To-Beat Low Frequency Blood Pressure Variability Is Different From Visit-To-Visit And Ambulatory Blood Pressure Variability
Richard Sloan, PhD413 / Relationship Between Myocardial Infarction Severity And Subsequent Distress: The Vagus Sets The Tone
Reham Dyab, MA

3:00pm – 3:15pm

Coffee Break
San Juan Ballroom 5-8

494 / Association Between Psychological Distress From Natural Disasters And Adiposity Among Young Adults In Puerto Rico
Andrea Lopez-Cepero, PhD

558 / Is Cardiorespiratory Fitness Protective Against The Negative Effects Of Air Pollution On Brain Health? Cross-Sectional Results From The 4HAIE Study
Vera Jandackova, PhD

Symposium 12: 72 UNDERSTANDING MULTI-LEVEL DETERMINANTS OF RISK AND RESILIENCE IN NATIVE POPULATIONS

Chair: *Wendy Troxel, PhD*
Room: San Felipe

158 / Objectively and Subjectively Measured Sleep Disturbances Predict Adverse Cardiometabolic and Behavioral Health Outcomes in Urban American Indian/ Alaska Native Youth
Wendy Troxel, PhD

184 / A Latent Profile Analysis to Examine Risk and Resilience in Urban, American Indian/ Alaska Native Teens
Anthony Rodriguez, PhD

190 / Risk and protective factors of social networks on alcohol and cannabis use among urban American Indian/Alaska Native emerging adults
Elizabeth D'Amico, PhD

176 / Optimizing the development of a family-based behavioral intervention for urban AI/AN families residing outside of reservations and tribal lands
Daniel Dickerson, DO, MPH

LATE BREAKING 3: CLINICAL WORK

Chair: Siobhan Griffin, PhD
Room: Laguna 1 & 2

648 / Positive Affect Treatment Targets Physiological, Behavioral, And Experiential Reward Hyposensitivity: A Randomized-Controlled Trial
Alicia Meuret, PhD

680 \ The 12-month Cost-effectiveness Of Telephone-delivered "Blended" Collaborative Care For Treating Heart Failure And Comorbid Depression
Bruce Rollman, MD, MPH

682 \ To Avoid or not to Avoid: The Paradox of Pain-related Avoidance in Feeling Safe and Strategies to Prevent Relapse
Ann Meulders, PhD

683 / Intergenerational Co-production to Increase Physical and Social Activity For Health in the GOALD project (Generating Older Active Lives Digitally)
Anna Whittaker, PhD

4:15pm – 5:45pm

Poster Session 3

Room: San Juan Ballroom 5-8

Poster presenters can put posters up anytime during the day. Take down immediately following the session.

6:00pm – 7:00pm

**Council/Committee Chair/
SIG Chair Reception**

Room: Bella Vista Terrace

7:00pm – 11:00pm

CLOSING BANQUET

(ticket required)

Room: San Juan Ballroom 1

Continuing Education (CE) Language | American Psychosomatic Society 80th Annual Meeting | March 8-11, 2023 | Puerto Rico



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Paul D. MacLean Award: Lisa Barnes, PhD

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APS 2023 Young Investigator Colloquium

Stephanie Cook, DrPH, MPH

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Siobhán Griffin, PhD

Katrina Hamilton, PhD

Yanping Jiang, PhD

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Amy Mc Inerney, MSc

Josh Murillo, BA

Brianna Natale, MS

Jacqueline O'Brien, PhD

Matthew Schuiling, BA

Ashley Splain, BS

Alexandra Tyra, MA

Diversity Travel Award

Francisco Marquez, MSc

Praise Owoyemi, MA

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Jacqueline Rodriguez-Stanley, MA

Ivanova Veras de Jesus, BS

Cameron Wiley, MA

Michelle Williams, MS

Adrian Williams, MS

Hall Travel Award

Amit Shah, MD, MSCR

Delainey Wescott, MS

Travel Award for MacLean Scholars

Morgan Gianola, PhD

Hayley Ripperger, MS

LGBT Travel Award

Hyun-Ju Kim, PhD

Megan Strickland, MS

MD Travel Award

Ayesha Khan, BS

Palwasha Najeeb, MS

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Hans-Christian Deter, MD
Paige Green, PhD, MPH, FABMR
Michael Irwin, MD
Youngmee Kim, PhD
Richard Lane, MD, PhD
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APS Annual Scientific Meeting – March 8-11, 2023 – Puerto Rico

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