WEDNESDAY, MARCH 23

7:30am – 7:00pm  Annual Meeting Registration  
*International Ballroom Foyer*

8:00am – 12:00pm  APS Council Meeting  
(invitation only)  
*Room: Pacific II*

8:30am – 12:30pm  Young Investigator Colloquium  
Diversity Travel Scholars Program
MD Travel Scholars Program  
(invitation only)  
*Room: International II*

8:30am – 4:30pm  Full Day Workshop  
(pre-registration required)  
Psychophysiological Mechanisms Underlying Intersectionality and Structural Barriers to Health  
Organizing Committee: Jenny Cundiff, PhD, DeWayne Williams, PhD, Cora Weber, MD, PhD, Jennifer Boylan, PhD  
Faculty: Julian Thayer, PhD, Mike Stanton, PhD, Wizdom Powell, PhD, Tiffany Powell Wiley, MD, MPH  
*Room: Atlantic I*

8:30am – 12:00pm  Morning Workshop  
(pre-registration required)  
Strategies for Engaging Communities in Research  
Organizing Committee: Thomas Kamarck, PhD, Youngmee Kim, PhD  
Faculty: Hayley S. Thompson, PhD, Alison Herrmann, PhD, Carrie Leach, PhD, Voncile Brown-Miller  
*Room: Pacific I*

12:30pm – 4:30pm  Afternoon Workshop  
(pre-registration required)  
Systematic Review, Meta-analysis, and their Implications for Patient Care  
Chair: Dr. Emily A. Hennessy  
Faculty: Daryl O’Connor, PhD, Suzanne Segerstrom, PhD and Rona Moss-Morris, PhD  
*Room: Pacific I*

4:45pm – 5:15pm  Opening Session - Plenary  
Welcome and 2022 Awards Recognition  
*Room: International III, IV, V*

5:15pm – 6:05pm  Plenary  
Distinguished Scientist Award Lecture  
Introduction: Suzanne Segerstrom, PhD & Julian Thayer, PhD  
Speaker: Martica Hall, PhD  
*Room: International III, IV, V*

6:05pm – 6:45pm  Plenary  
Fellow of APS (FAPS) Recognition  
Speaker: Gail Ironson, MD  
*Room: International III, IV, V*

6:45pm – 8:15pm  Citation Poster Session  
*Promenade and Foyer*  
Poster presenters can put posters up starting at 2:00pm. Take down immediately following the session.
7:00am – 6:30pm  
**Annual Meeting Registration**  
*International Ballroom Foyer*

7:00am – 8:00am  
**Continental Breakfast**  
*Promenade and Foyer*

Wellness Activity:
*Morning walk to Espresso Bar with Stefanie Duijndam*  
*Meet in the hotel lobby*

**Travel & Diversity Scholars:**  
*How Behavioral Medicine and Epidemiology Together Can Enhance Your Science: Lessons from SWAN*  
*Room: Mediterranean I, II*

**First Time Attendee/New Member Welcome Breakfast**  
*Room: Catalina*

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

8:15am – 9:15am  
**Concurrent Sessions**

**Paper Session 1: MECHANISMS IN PSYCHO-ONCOLOGY**  
Chair: Youngmee Kim, PhD  
*Room: International II*

1269 / Fatigue In Patients With Breast Cancer Is Associated With Leukocyte Metabolic Activity  
*Tamara E. Lacourt, PhD*

1253 / Effect Of Self-Regulation On Sleep In Colorectal Cancer Patients: The Mediating Role Of Negative Affect Recovery  
*Thomas C. Tsai, BS Psychology*

1557 / Physiological Benefits Of Breast Cancer Survivors' Satisfying Relationships Across Treatment: Implications For Aging  
*M. Rosie Shrout, PhD*

**Paper Session 2: MECHANISMS OF POSTPARTUM HEALTH OF MOTHER AND CHILD**  
Chair: Michele Okun, PhD  
*Room: Atlantic I, II*

1185 / Differential Contributions Of Prenatal Sociodemographic Stressors Versus Psychological Stress To Infant Telomere  
*Rebecca E. Salomon, PhD*

1192 / Relationships Between Maternal Early Life Stress Exposure, Parenting Behaviors, And Infant Heart Rate Variables  
*Corinne Sejourne, BA*

1361 / Child Hair Cortisol And Positive Parenting Behaviors In The Context Of Maternal Borderline Personality Disorder  
*Jacqueline R. O'Brien, MS*

**Paper Session 3: TECHNOLOGICAL INNOVATIONS IN STRESS AND TRAUMA RESEARCH**  
Chair: Riley O'Neill, BS  
*Room: Catalina*

1519 / Effect Of Acute Psychosocial Stress On Body Movements  
*Nicolas Rohleder, PhD*

1398 / Digital Biomarkers For Predicting Ptsd, Depression, And Burnout In Emergency Department Clinicians  
*Katharina Schultebraucks, PhD*

1577 / Facial Emotion Expression And Psychological Background Factors As Related To The Inducibility Of Myocardial Ischemia During Cardiac Stress Testing  
*Willem J. Kop, PhD*

1516 / Exploring The Cold Face Test As A Mechanism For Reducing Acute Psychosocial Stress Responses  
*Robert Richer, MSc*

**Paper Session 4: TACKLING INDIVIDUAL DIFFERENCES IN MECHANISMS AND SYMPTOM PRESENTATION IN SEVERAL PSYCHIATRIC SAMPLES**  
Chair: Ben Lee, MD  
*Room: International I*

1506 / The “Culture” Of Cuddling: Are Microbes Linked To Social Behavior?  
*Desiree Delgadillo, MA*

1120 / The Relevance Of Attachment In Social Anxiety Disorder With Comorbid Major Depression  
*Christina Elling, MSc Psychology*

1098 / Improvements In Cardiovascular Health Over The Perinatal Period Predicts Lower Postpartum Depressive Symptoms Among Women With Overweight And Obesity.  
*Shannon D. Donofry, PhD*

1171 / Effect Of Cannabis Use On Symptom Severity And Pain Sensitivity In Adolescent Patients With Non-Suicidal Self-Injury  
*Julian Koenig, Prof. Dr*

**Session 1: SEX AND DIFFERENCES**  
Chair: Michael Stanton, PhD  
*Room: International III, IV, V*

1617 / Sex Differences In Human Mitochondria Are Heterogenous  
*Alex Junker, MPH*

1624 / Sex Differences In Stress And Body Mass Index Association With Kidney Disease In A Cohort Of African Americans  
*Thais Muratori Holanda, PhD*

1635 / Sex And Gender Correlates Of Sexually Polymorphic Cognition  
*Louis Cartier, BSc*
9:15am – 9:30am  
**Transition**

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

**Invited Symposium 1: Clinical Diversity in Treatment and Research: Understanding Heterogeneous Needs In Treatment**
Chair: Kimberly Dienes, PhD
Speakers: Professor Rona Moss-Morris, Dr Betina Yanez, Dr Reginald Tucker-Seeley
Discussant: Professor Rona Moss-Morris
Room: International III, IV, V

**Symposium 1: 162 / THE ROLE OF DIAGNOSTIC UNCERTAINTY, UNPREDICTABILITY AND ASSOCIATED OVERPROTECTIVE BEHAVIOR IN CHRONIC PAIN DISABILITY**
Chair: Ann Meulders, PhD
Room: International I

1396 / Being Uncertain About Your Own Movement: Poor Proprioceptive Accuracy Is Associated With Overprotective Behavior
Ann Meulders, PhD

1395 / The Elephant in the Room: Diagnostic Uncertainty in Pediatric Chronic Pain
Melanie Noel, PhD

1397 / The Phenomenology Of (Un)Predictability In Complex Regional Pain Syndrome
Emma E. Biggs, PhD

**Paper Session 5: NEW INSIGHTS INTO ASSOCIATES OF BLUNTED CARDIOVASCULAR AND HORMONAL STRESS REACTIVITY**
Chair: Stefanie Duijndam, MSc
Room: International II

1022 / Cardiovascular Reactivity And The Emotional Salience Of Laboratory Stressors
Kyle J. Bourassa, PhD

1286 / Blunted Cardiovascular Reactivity To Psychological Stress And Prospective Health: A Systematic Review
Adam O’ Riordan, BA

1080 / Is Depressed Mood Associated With Cortisol Trajectories In Response To Acute Laboratory Stressors?
Gabrielle Decastro, BA

1433 / Anxious And Depressive Symptoms, Social-Evaluative Threat, And Cortisol Reactivity
Megan G. Strickland, MS

**Paper Session 6: INDIVIDUAL DIFFERENCES IN RESPONSES TO VIRAL INFECTION AND VACCINATION**
Room: Atlantic I, II

1417 / Adolescents’ Perceived Stress, Disclosure Preferences, And Response To Vaccination
Leah Cha, BS

1384 / Friendship Quality And Response To Vaccination: Exploring The Moderating Effects Of Puberty And Sex
Elizabeth R. Wiggins, BS

1250 / Cytomegalovirus And Toxoplasma Gondii Serostatus Associated With Problems In Self-Regulation But Not Executive Function Among Older Adults
Suzanne C. Segerstrom, PhD, MPH

1408 / Lifetime Unfair Treatment And Antibody Response To Pertussis Vaccination In Pregnant Women
Manuela L. Celia-Sanchez, BS

**Paper Session 7: HEALTH EFFECTS OF STRUCTURAL ADVERSITY**
Chair: Jenny Cundiff, PhD
Room: Catalina

1104 / Daily Thoughts About Historical Loss Predicts Physical Activity Level, And Symptoms Of Anxiety, And Depression In American Indians From The Blackfeet Community
Taylor D. Kampf, BS

1431 / Composition Matters: Latent Classes Of Social Integration And 15-Year Mortality In Black, Indigenous, Older Adults Of Color
Melissa A. Flores, PhD

1233 / Mid-Life Depressive Symptoms And Cognitive Functioning: Cross-Sectional And Longitudinal Relationships Differ By Racial Minority Status
Michael J. Persin, BS

1511 / Towards Dimensional Understanding Of Adversity
Maria Usacheva, MS

10:30am – 10:45am  
**Break**

10:45am – 11:00am  
**Data Blitz**
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: International III, IV, V

11:00am – 12:00pm  
**Plenary**

Keynote Presentation: Neuroinflammatory Processes of Depression and Social Disconnection
Introduction: Sue Everson-Rose, PhD
Speaker: Naomi Eisenberger, PhD
Room: International III, IV, V

Follow the meeting on Twitter: 
#aps2022longbeach
12:00pm – 12:45pm  Plenary

TEDSTYLE: Whole Person Health: Fraud or Frontier? Implications for Psychosomatic Medicine
Introduction: Gail Ironson, MD
Speaker: Margaret Chesney, PhD
Room: International III, IV, V

12:45pm – 1:45pm  Round Table Luncheons
(pre-registration required)
Or Lunch on your own

Roundtable Lunch: Climate Change and Health SIG
Provide context to the latest understanding of the biggest climate change threats, and the role that behavior plays in both mitigation and adaption; describe the (brief) history of the SIG; followed by open discussion.
Facilitators: Kristi E. White, PhD, ABPP
Room: Pacific I

Roundtable Lunch: Emerging Leaders Initiative
Grant Writing (FOR TRAINEES)
This event will provide a relatively informal setting for trainees to meet and talk with more senior APS members who are experienced in grant writing. We hope to represent several grant mechanisms, including US-based (i.e., NIH, NSF) and international funding sources, as well as general grant writing resources/tips.
Facilitators: Iris Ka-Yi Chat, MA, Annie Ginty, PhD, Katrina Hamilton, PhD, Misty Hawkins, PhD, Robert-Paul Juster, PhD, Natalie Keirns, MS, Julian Koenig, DSc, Thomas Kraynak, MA, Riley O'Neill, BS, Nancy Sin, PhD, Agus Surachman, PhD, Janet Tomiyama, PhD
Room: Mediterranean I, II

1:15pm – 1:45pm  Wellness Activity:
Mindfulness with Sara Matovic & Florencia Trespalacios
Room: Pacific II

1:45pm – 2:45pm  Concurrent Sessions

Paper Session 8: BIOLOGICAL MECHANISMS LINKING STRUCTURAL ADVERSITY TO HEALTH OUTCOMES
Chair: Robert-Paul Juster, PhD
Room: International I

1490 / Racial Disparities In Longitudinal Changes In Metabolic Syndrome Severity Across Two Decades Between Black And White Women: Early Life Socioeconomic Status And Heightened Vigilance As Correlates
Agus Surachman, PhD

1035 / Anticipatory Racism Threat, Racial Discrimination, And 'Weathering' Among African American Women
Amanda D. Perez, PhD

1458 / Interactive Effects Of Childhood Socioeconomic Status, Family Environment, And Race On Systemic Inflammation In Adulthood
Brittany N. Natale, MS

1028 / First-Generation College Students Have Greater Systemic Inflammation Than Continuing-Generation College Students Following The Initial College Transition
Emily J. Jones, PhD

Paper Session 9: SOMATIC AND SOCIAL HEALTH EFFECTS OF EMOTIONS, STRESS AND RUMINATION
Chair: Jenny Cundiff, PhD
Room: International II

1042 / Socioeconomic Status, Stress, Rumination, And Somatic Symptoms In Older African American Adults
Jacqueline Rodriguez-Stanley, MA, Psychology

1546 / Discrimination Moderates The Effects Of Anger Expression On Social Interactions In The Moment
Elizabeth Brondolo, PhD

1341 / Trait Anger Is Uniquely Associated With Six Year Change In Pulse Pressure
William D. Eckerle, BS

1127 / Daily And Acute Emotion Reactivity To Social Stress
Danny Rahal, MA, Psychology

Paper Session 10: OUTCOMES FROM INTERVENTIONS ON PSYCHOLOGICAL HEALTH
Chair: Matthew Zawadzki, PhD
Room: International III, IV, V

1428 / Effects Of A Peri-Operative Multi-Modal Intervention On Stress, Pain, Sleep Disturbance, And Noise Perception In Patients Undergoing Coronary Artery Bypass Graft Surgery: Results From The Randomized-Controlled I-Cope Trial
Monika Sadlonova, MD

1223 / Blended Collaborative Care For Treating Systolic Heart Failure And Comorbid Depression: An Update From The Hopeful Heart Trial
Bruce L. Rollman, MD

1231 / The Effects Of Omega-3 Supplementation On Psychological Functioning Of Men Undergoing Radical Prostatectomy For Prostate Cancer: A Randomized Controlled Trial
Josée Savard, PhD

1552 / Mindfulness-Based Stress Reduction Increases Stimulated Il-6 Production Among Lonely Older Adults: A Randomized Controlled Trial
Emily K. Lindsay, PhD

Paper Session 11: POSITIVE PSYCHOLOGY AND HEALTH
Chair: Jen Boylan, PhD
Room: Atlantic I, II

1584 / The Differential Influences Of Positive Psychological Factors On Upper Respiratory Infections In African And European Americans
Kennedy Blevins, MA
Paper Session 12: CONSEQUENCES OF ADVERSITY AND CHRONIC STRESS ACROSS THE LIFESPAN
Chair: Kyle Bourassa, PhD
Room: Catalina

1570 / Associations Between Lifespan Adverse Experiences And Later Life Chronic Stressors And Their Appraisals: An Analysis Of The Health And Retirement Study
Boaz Injege, BA

1236 / Socioeconomic Disadvantage, Chronic Stress, And Pro-Inflammatory Phenotype: An Integrative Analysis Across The Lifespan
Phoebe H. Lam, MS

1437 / Subjective Socioeconomic Status Across The Life Course And Age-Related Decrements In Kidney Function Among Black And White American Adults
Agus Surachman, PhD

1157 / Adverse Childhood Experiences And Severity Levels Of Inflammation And Depression From Childhood To Young Adulthood: A Longitudinal Cohort Study
Eleonora Iob, PhD

2:45pm – 3:00pm Break

3:00pm – 4:00pm Concurrent Sessions

Paper Session 13: HOW PHYSIOLOGICAL AND PSYCHOLOGICAL STRESS RELATE TO BRAIN FUNCTION
Chair: Jen Boylan, PhD
Room: International I

1283 / Aerobic Exercise Training And Dentate Gyrus Function In Healthy Older Adults
Richard P. Sloan, PhD

1213 / Cardiovolumetabolic Risk Is Associated With Brain-Age In Midlife
Thomas E. Kraynak, MS

Paper Session 14: ECOLOGICAL MOMENTARY ASSESSMENT STUDIES ON PSYCHOSOMATIC HEALTH
Chair: Tom Kamarck, PhD
Room: International II

1227 / Associations Among Salivary Cortisol, Sleep, And Headaches In Daily Life
Sun Ah Lee, MA

1244 / Daily Aches And Pains Of Stress: Compounding Effects Of Multi-Domain Cumulative Stress And Daily Stress On Daily Health
Brook L. Haight, BA (Honours)

1603 / Practice Effects On Cognitive Performance Are Attenuated By Higher Peripheral Inflammation: A Study In Midlife Adults
Christopher G. Engeland, PhD

Paper Session 15: META-ANALYSES PROVIDING EVIDENCE FOR MECHANISMS UNDERLYING PSYCHOSOMATIC CONDITIONS
Chair: Ali Weinstein, PhD
Room: International III, IV, V

1277 / The Associations Of Sleep Disturbance With Allostatic Load - A Systematic Review And Meta-Analysis
Robert Zachariae, Dr.Med.Sci

1088 / A Meta-Analysis Of Studies Using Common Measures Of Heart Rate Variability To Predict All-Cause And Cardiac Mortality In Clinical And Nonclinical Populations
Marc N. Jarczok, Dr. sc. Hum

1235 / Obesity And Individual Symptoms Of Depression: A Pooled Analysis Of 15 Population-Based Cohort Studies
Philipp Frank, MSc

Paper Session 16: BRAIN MECHANISMS UNDERLYING PSYCHOSOMATIC HEALTH
Chair: Annie Ginty, PhD
Room: Atlantic I, II

1438 / Brain Changes Underlying IBS Symptom Improvement In Response To Mindfulness-Based Treatment
Guistinna Tun, BS

1285 / Brain Mechanisms Underlying Negative Affect Induced Somatic Symptom Reporting In Functional Somatic Syndrome Patients
Maaike Van Den Houte, PhD

1376 / Clinical Presentation And Resting State Functional Connectivity Differ Based On The Temporal Onset Of Symptoms In Provoked Vestibulodynia
Talia C. Oughourlian, MS

1081 / Clinical Benefits Of Self-Transcendence During Mindfulness Training: Results From Five Randomized Clinical Trials
Adam W. Hanley, PhD
Paper Session 17: MECHANISMS OF VASCULAR HEALTH
Chair: Yvette Szabo, PhD
Room: Catalina

1139 / Dietary Quality Predicts Inflammation, Cardiovascular Risk Biomarkers, Gut Leakiness, And Depressive Symptoms
Annelise A. Madison, MA

1537 / Acute Stress Disorder Symptoms And Sleep Disturbance Following Stroke
Alison Trainor, MS

1502 / Longitudinal Associations Between Depression, Stress, And Physical Activity In Patients With Peripheral Artery Disease: A Path Analysis
Idil Yazgan, BS

1579 / Racial Differences In Resting Total Peripheral Resistance: A Systematic Review And Meta-Analysis
Briana N. Brownlow, MA

4:00pm – 4:15pm Transition

4:15pm – 5:30pm Concurrent Sessions

Symposium 2: S157 / PROMOTING WELL-BEING IN CANCER SURVIVORSHIP: RANDOMIZED CONTROLLED TRIALS ACROSS THE TRANSLATIONAL CONTINUUM
Chair: Julienne Bower, PhD
Room: International III, IV, V

1289 / Development of tailored Acceptance and Commitment Therapy (ACT) intervention to optimize quality of life in women living with metastatic breast cancer: A pilot randomized controlled trial
Patricia I. Moreno, PhD

1290 / A Goal-Focused Intervention to Reduce the Adverse Impact of Testicular Cancer in Young Adulthood: A Randomized Trial
Michael A. Hoyt, PhD

1291 / The AYA Writing Project: A randomized controlled trial testing the benefits of an online prosocial intervention in young adult cancer survivors
Marcie D. Haydon, PhD

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Paper Session 18: INDIVIDUAL DIFFERENCES IN SLEEP AND THEIR ASSOCIATION WITH HEALTH
Chair: Marc Jarzczog, DSc
Room: International I

1105 / Actigraphic Sleep Regularity As A Mechanism Linking Social Integration And Systemic Inflammation In Midlife Adults
Brian N. Chin, PhD

Elana M. Gloger, MS

1415 / The Impact Of Actor And Partner Overnight Movement On Sleep Quality Metrics In Military Couples
Steven E. Carlson, BS

1003 / Self-Reported Sleep Efficiency And Sleep Duration Are Associated With Mitochondrial Bioenergetic Function In Peripheral Blood Mononuclear Cells Of Adults
H. Matthew Lehrer, PhD

Paper Session 19: NEW INSIGHTS FROM TRANSCRIPTOMICS, METABOLOMICS AND EPIGENETICS REGARDING INDIVIDUAL DIFFERENCES IN HEALTH
Chair: Agus Surachman, PhD
Room: International II

1279 / Using Transcriptomics To Investigate The Effects Of Mild Inflammation In Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS) And Fibromyalgia (FM)
Marisa L. Amato, MSc

1476 / Metabolomics Profiling Of Type D Personality Traits
Nina Kupper, PhD

1475 / Prospective Associations Between Social Relationship Factors And Epigenetic Age
Abby R. Hillmann, BS

1245 / Chronic Glucocorticoid Stress Increases Energy Expenditure And Accelerates Aging Trajectories In Human Fibroblasts
Natalia Bobba-Alves, MSc

Symposium 3: S144 / TOWARDS A BIOPSYCHOSOCIAL UNDERSTANDING OF ASTHMA: NEW AVENUES OF INQUIRY
Chair: Thomas Ritz, PhD
Room: Catalina

1142 / Asthma, Airway Inflammation And PTSD Association: Relevant Models And A Role Of IL17A
Renu Sah, PhD

1137 / Airway Inflammation Impacts On Salience Network Function: Cellular And Molecular Pathways Linking Asthma And Emotion
Melissa A. Rosenkranz, PhD

1211 / Anxiety And Disgust Reactivity In Asthma: The Role Of Hippocampal Volume And Hippocampal Metabolite Levels
Hannah O. Nordberg, MA
1151 / The Psychological Impact Of Living With Asthma During The COVID-19 Pandemic
Margot L. Salsman, MSc

1187 / The Relationship between Change in Caregiver Depression and Child’s Asthma Control and Spirometry
E. Sherwood Brown, MD, PhD

Paper Session 20: CLINICAL TRIAL FINDINGS OF FOUR PSYCHOLOGICAL INTERVENTIONS
Chair: Chris Celano, MD
Room: Atlantic I, II

1297 / Effect Of Modernized Collaborative Care For Depression On Depressive Symptoms And Cardiovascular Disease Risk Markers: Primary Results Of The Eimpact Randomized Controlled Trial
Jesse C. Stewart, PhD

1580 / Cognitive Function In Acceptance-Based Vs Standard Behavioral Treatment For Obesity: Results From The Cosmos Trial
Misty Hawkins, PhD

1100 / Video-Conferenced Stress Management And Relaxation Training (Vsmart) Improves Psychological Adaptation And Influenza Vaccine Response In Distressed Older Women During Breast Cancer Treatment
Michael H. Antoni, PhD

1389 / Hormetic Stress Interventions And Mindfulness Effects On Compulsive Eating
Rebecca Dileo, BA

5:30pm – 5:45pm Transition

FRIDAY, MARCH 25

7:00am – 6:30pm Annual Meeting Registration
International Ballroom Foyer

7:00am – 8:00am Continental Breakfast
Promenade and Foyer

Wellness Activity:
Morning Run with Sara Matovic & Florencia Trespalacios
Meet in the lobby

APS SIG Meeting: Affect Science
Room: Mediterranea I

8:00am – 8:15am Data Blitz
Room: International III, IV, V

8:15am – 9:00am Plenary
Award Lecture: Martica Hall Award in Sleep Medicine:
Multidimensional Sleep Health: From Concept to Clinic
Introduction: Martica Hall, PhD
Speaker: Daniel Buysse, MD
Room: International III, IV, V

9:10am – 10:10am Plenary
Presidential Address: Gail Ironson, MD, PhD
Transformations with a focus on Positive Psychology
Introduction: Bruce Rollman, MD
Room: International III, IV, V

10:15am – 10:30am Break
10:30am – 11:30am  Plenary

**Obesity, Sugar, and Compulsive Eating: Possible Mechanisms and Interventions**
Introduction: Paige Green, PhD
Speaker: Elissa Epel, PhD
Room: International III, IV, V

11:30am – 11:45am  Transition

11:45am – 12:45pm  Concurrent Sessions

**Invited Symposium 2: SOCIETAL STRESSORS AND THEIR IMPACTS ON HEALTH AND HEALTH INEQUALITIES**
Chair: Kyle Bourassa, PhD
Speakers: Maria Llabre, PhD, Tené Lewis, PhD, Tonia Poteat, PhD
Room: International III, IV, V

Chair: Matt Zawadzki, PhD
Speakers: Melissa Flores, PhD, Joshua Smyth, PhD, David Sbarra, PhD
Room: International I

**Symposium 4: S146 / THE ROLE OF BIOBEHAVIORAL FACTORS IN BIOLOGICAL AGING: ADVANCING THE FIELD OF GEROSCIENCE**
Chair: Rebecca G. Reed, PhD
Discussant: Elissa Epel, PhD
Room: International II

1493 / Psychosocial Stress is Associated With Cellular Senescence Marker p16INK4a in Humans and Mice
Kelly E. Rentscher, PhD

1495 / Accelerated Telomere Shortening in Breast Cancer Survivors with Depression History: A Two-Year Longitudinal Cohort Study
Judith E. Carroll, PhD

1148 / Probing the Mind-Mitochondria Connection in Greying Hairs and in Saliva
Rachel Haahr, HS

1149 / Epigenetic Aging and Cognitive Decline in a Longitudinal Sample of Midlife Adults
Rebecca G. Reed, PhD

**Paper Session 21: INDIVIDUAL DIFFERENCES IN HOW STRESS AFFECTS HEALTH ACROSS THE LIFESPAN**
Chair: Robert-Paul Juster, PhD
Room: Atlantic I, II

1102 / A Long And Resilient Life: The Role Of Coping Strategies And Variability In Their Use In Lifespan
Claudia Trudel-Fitzgerald, PhD

1562 / Depression Moderates The Lifespan Trajectory Of Early Life Adversity Induced Inflammation: An Exploratory Time-Varying Effect Model
Francisco D. Marquez, ScM

1573 / High Stressor Exposure And Low Stressor Diversity Are Linked To Higher Blood Pressure: Findings Across Age And SES
Rachel E. Koffer, PhD

1287 / Effects Of Childhood Trauma On Sleep Quality And Stress-Related Variables In Adulthood: Evidence From Two Multilevel Studies
Daryl B. O'Connor, PhD

**Paper Session 22: PSYCHOSOCIAL MECHANISMS IN CANCER**
Chair: Katja Weimer, PhD
Room: Catalina

1071 / The Effects Of Spirituality And Hispanic Ethnicity On Neuroendocrine Functioning Among Colorectal Cancer Patients
Elizabeth Cruz, AA

1465 / Interpersonal Characteristics Predict Dyadic Neuroendocrine Regulation In Colorectal Cancer Patients And Their Spousal Caregivers
Amanda Ting, MS

1565 / Effects Of Social Constraint And Gender On Colorectal Cancer Caregiver's Sleep
Nirvi B. Ajmera, BS

1274 / Association Of Depression Symptoms, Severity, And Symptom Profiles With Referral/Treatment Of Depression In Cancer Outpatients: A Retrospective Cohort Study
Peter A. Shapiro, MD

12:45pm – 1:45pm  Lunch
International Foyer

Roundtable Luncheons
Pick up lunch in International Foyer
(pre-registration required)

**Roundtable Lunch: Telemedicine and Digital Health: New Clinical and Revenue Models for Psychosomatic Medicine**
Features clinical researchers and academic leaders who have experience adapting clinical protocols for delivery via telehealth and other innovative technologies; using cases that illustrate how these partnerships can lead to improvements in care and expansion of access to treatment without having to use grant support to grow a successful program.
Facilitators: Steven Locke, MD, Michael Antoni, PhD, Eva Szigethy, MD, PhD, Robert Zachariae, MSc, Dr.Med.Sci
Room: Mediterranean II

Wellness Activity: Art with Johanna Czamanski-Cohen
Room: Pacific I

**Psychosomatic Medicine – Associate Editors Meeting Luncheon** (invitation only)
Room: Loft
1:45pm – 2:45pm Concurrent Sessions

COVID Invited Symposium: BIOBEHAVIORAL AND PSYCHOLOGICAL PROCESSES DURING COVID-19: WHAT HAVE WE LEARNED?
Chair: Rory O'Connor, PhD
Discussant: Rory O'Connor, PhD
Speakers: Daryl O'Connor, PhD, Anna Marsland, PhD, Michele Okun, PhD, Andrew Steptoe, DSc
Room: International III, IV, V

Effects of COVID-19-related worry and rumination on mental health and loneliness during the pandemic: Longitudinal analyses of adults in the UK COVID-19 Mental Health & Wellbeing study
Daryl O'Connor, PhD

Biobehavioral Processes and Emotional Responses among Older Men and Women during the COVID-19 pandemic
Andrew Steptoe, DSc

Factors that relate to susceptibility to respiratory infection: What did we know before the pandemic?
Anna Marsland, PhD

The International COVID-19 Awareness and Responses Evaluation Study (iCARE): Latest findings
Michele Okun, PhD

Symposium 5: S153 / DYADIC AFFECTIVE PROCESSES IN MENTAL HEALTH ACROSS THE LIFESPAN
Chair: Elizabeth Necka, PhD
Room: International I

1197 / Emotion Regulation and Mental Health: A Longitudinal Study of Long-Term Married Couple
Claudia Haase, PhD

1198 / Findings from the Self Other Overlap fMRI (SOOf) Study: Neural Sensitivity to Social Feedback is Associated with Perceived Social Support in the Laboratory
Andrea Coppola, MA

1535 / Empathic Accuracy and Shared Depressive Symptoms in Aging Dyads
Casey L. Brown, PhD

1547 / Dyadic Effects of Loneliness and Depressive Symptomatology in Older Adult Couples Across Five Years
Alaina I. Gold, BA

Paper Session 23: ADVERSITY AND STRESS IN CARDIOVASCULAR DISEASE
Chair: Chris Celano, MD
Room: International II

1167 / Chronic Stress, Coronary Artery Calcification, And The Moderating Role Of Social Support And Physical Activity In The Coronary Artery Risk Development In Young Adults (Cardia) Study
Tiwatoluwa Ajibewa, PhD

1326 / The Effect Of Health Insurance Status On Threat Perceptions And The Development Of Posttraumatic Stress Symptoms In Patients After Suspected Acute Coronary Syndrome
Gaspar J. Cruz, BA

1004 / Prospective Association Between Pro-Inflammatory State On Admission And Posttraumatic Stress Following Acute Coronary Syndrome
Roland von Känel, MD

1472 / The Influence Of Socioeconomic Status And Sex In A Network Analysis On Risk Factors In Cad Patients: The Thoresci Study
Sophie van den Houdt, MSc

2:45pm – 3:00pm Break

3:00pm – 3:45pm Concurrent Sessions

RESEARCH METHODS IN TIMES OF COVID: OPEN PODIUM
Chair: Nina Kupper, PhD
Room: International I

Paper Session 24: CURRENT STATE OF THE ART: STRESS REACTIVITY
Chair: Tom Kamarck, PhD
Room: Catalina

1124 / Predicting Cortisol Stress Response Trajectories: A Mega-Analytic Person-Centered Approach
Peggy Zoccola, PhD

1602 / Multivariate Clusters Of Heart Rate And Blood Pressure Reactivity To Psychological Stress In Young And Midlife Adults: Descriptive Findings Using A Latent Profile Approach In Two Samples
Katherine A. Duggan, PhD

1329 / Adverse Childhood Experiences (ACES) Relate To Blunted Cardiovascular And Cortisol Reactivity To Acute Laboratory Stress: A Systematic Review And Meta-Analysis
Ryan C. Brindle, PhD

1357 / Type D Personality And Cardiovascular Reactivity To Acute Psychological Stress: A Systematic Review And Meta-Analysis
Adam O' Riordan, BA

Paper Session 25: BE AMAZED! NON-TOPICAL, BUT HIGHLY RECOMMENDED
Chair: John Ruiz, PhD
Room: International III, IV, V

1404 / Losing My Religion: The Health Associations Of Religious Deidentification
Amy J. Osterbaan, BA forthcoming

1528 / Neurocognitive Function In Adults Who Lived And Grew Up In Air-Pollution: The 4HAIE Study
Vera K. Jandackova, PhD
1049 / Short-Term Trajectories Of Depressive Symptoms In The Course Of Bereavement, Their Biopsychosocial Risk Factors And Risk Of Prolonged Grief
Marzieh Majd, PhD

Paper Session 26: ADVERSITY & STRESS IN DIABETES
Chair: Agus Surachman, PhD
Room: Atlantic I, II

1117 / Inflammatory Stress Responses And Mental Health Outcomes In People With Type 2 Diabetes: A Follow-Up Study
Laura Panagi, PhD

1014 / Discrimination, Acculturation, And Incident Type 2 Diabetes: Evidence From The Multi-Ethnic Study Of Atherosclerosis
Loretta Hsueh, PhD

1103 / The Association Between Acculturation And Accuracy Of Type 2 Diabetes Risk Perception: Analysis Of 2011-2016 National Health And Nutrition Examination Study (NHANES) Data
Ashley Splain, BS

Paper Session 27: STUDIES ON ACUTE AND CHRONIC PAIN
Chair: Amanda Acevedo
Room: International II

1405 / Heart Metrics From Wearable Sensors At Night Predict Next-Day Pain Reports: A Study Of Primary Chronic Pain
Veronica Dudarev, PhD

1452 / The Change Of Work-Family-Social Support Interface Among Workers With Chronic Pain: A Latent Transition Analysis
Nguyen Nguyen, MA

1560 / Endogenous Opioid System Regulation Of Pain And Stress Responses Is Disrupted By Nicotine Withdrawal: Implications For Understanding The Role Of Stress In Addiction
Mustafa al'Absi, PhD

LATE BREAKING Paper Session 2: STUDIES ON ASTHMA
Chair: Bruce Miller, MD
Room: Catalina

1623 / Anticholinergic Treatment For Asthma In Children With Co-Morbid Depression: An Approach To Targeting A Vulnerable Population
Bruce D. Miller, MD

1620 / Mother-Child Relational Insecurity As A Target For Intervention To Improve Childhood Asthma In Socio-Economically Disadvantaged Families
Beatrice Wood, PhD

4:00pm – 5:15pm Concurrent Sessions

Paper Session 28: INDIVIDUAL DIFFERENCES IN TREATMENT EFFECTIVENESS
Chair: Matthew Zawadzki, PhD
Room: International I

1012 / Sleep, Fatigue, Depression, And Pain Following Breast Cancer Surgery: Lumpectomy Versus Mastectomy
Arielle S. Radin, MA

1183 / Predictors Of Treatment Non-Response For Depressive Symptoms In A Sample Of Adolescents With Risk-Taking Behavior - A One Year Follow-Up
Julian Koenig, Prof. Dr.

1318 / Prevalence And Biobehavioral Predictors Of Early And Long-Term Fatigue Following Hematopoietic Stem Cell Transplantation
Erin S. Costanzo, PhD

LATE BREAKING Paper Session 3: PILOT INTERVENTION RESULTS
Chair: Janet Tomiyama, PhD
Room: Catalina

1609 / Prefrontal Cortex Oxygenation And Autonomic Nervous System Activity Under Transcutaneous Auricular Vagus Nerve Stimulation In Adolescents
Christine Sigrist, Dr

1633 / Depressive Rumination And Heart Rate Variability: A Pilot Study On The Effect Of Biofeedback On Rumination And Its Physiological Concomitants
Andy Schumann, PhD

1618 / A Pilot Mindfulness-Based Self-Compassion Intervention Targeting Body Dissatisfaction
Alejandra Lopez, BA

1622 / Personalizing Tobacco Cessation With Underserved Communities: Identifying Training Needs Of CHW To Develop A Tailored Facilitator Curriculum
Clarissa Huard, MPH

Symposium 6: S158 / BIOLOGICAL EMBEDDING OF EARLY LIFE ADVERSITY: A MECHANISM-FOCUSED LIFESPAN APPROACH
Chair: Jennifer A. Sumner, PhD
Discussant: Shakira Suglia, ScD
Room: Catalina

1339 / Early Life Adversity, Life Stress, and Accelerated Epigenetic Aging In Youth: Predictors of Change Over Time
Jennifer A. Sumner, PhD

1364 / Dimensions of Early Life Adversity and Sexual Behavior in a U.S. Population-representative Sample Of Adolescents
Jordan L. Thomas, MA

3:45pm – 4:00pm Transition
1413 / Higher Hair Cortisol Concentrations Are Associated With Shorter Leukocyte Telomere Length in Young Adults With a History of Early Life Adversity
Aoife O'Donovan, PhD

1412 / Association of Early Life Adversity With Epigenetic Age Acceleration in Adulthood
Elizabeth S. Clausing, PhD

Paper Session 29: MAPPING INDIVIDUAL DIFFERENCES IN HEALTH CARE PERSECTS USING A QUALITATIVE APPROACH
Chair: Stefanie Duijndam, MSc
Room: International II
1234 / Narratives Of Change In Recovery From Severe Fatigue - A Qualitative Study Of Stories Of Healing From Severe Chronic Fatigue Syndrom/ Myalgic Encephalomyelitis
Anne Karen Bakken, MD

1451 / Language And Cultural Barriers In Pain Communication: Experiences Of Healthcare Providers
Nguyen Nguyen, MA

1078 / Shareheart: Using Patient Journey Mapping For Health Care Optimization In Patients With Ischemia And Non-Obstructive Coronary Arteries (Inoca)
Dinah L. van Schalkwijk, Msc

Paper Session 30: MECHANISMS OF ADVERSITY
Chair: Kimberly Dienes, PhD
Room: Atlantic I, II
1017 / Acculturative Stress, Telomere Length, And Postpartum Depression In Latinx Mothers
Angela C. Incollingo Rodriguez, PhD

1075 / Residence In High-Crime Neighborhoods Moderates The Association Of Interleukin-6 With Social And Non-Social Reward Brain Function
Iris Ka-Yi Chat, MA

5:15pm – 5:30pm Transition

5:30pm – 6:30pm Plenary
A Conversation about Modern Leadership and Research in Current Societies with Past Presidents
Speakers: Paige Green, PhD, MPH, FABMR & Sue Everson-Rose, PhD, MPH
Room: International III, IV, V

6:30pm – 7:30pm Poster Session 2
Promenade and Foyer
Poster presenters can put posters up anytime during the day. Take down immediately following the session.

7:30pm – 9:30pm Mentor/Mentee Reception
Hosts: Riley O'Neil, BS and Agus Surachman, PhD
Room: Catalina
Pre-registration required. Please check at APS Registration Desk for availability.

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

SATURDAY, MARCH 26

7:00am – 6:00pm Annual Meeting Registration
International Ballroom Foyer

7:00am – 8:00am Continental Breakfast
Promenade and Foyer
Wellness Activity:
Yoga with Monika Sadlonova
Room: Pacific

7:30am – 8:30am Wellness Activity:
Morning walk to Espresso Bar
With Marc Jarczok
Meet in the hotel lobby

8:30am – 9:30am APS Members Meeting
Room: International III, IV, V

9:30am – 9:45am Break

8:00am – 8:15am Data Blitz
Room: International III, IV, V
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!
10:00am – 11:30am Plenary – Award Lectures

Herbert E. Weiner Early Career Award Lecture
*Traumatic Stress and Cardiovascular Risk in Women*
Introduction: Janet Tomiyama, PhD
Awardee: Jennifer Sumner, PhD
*Room: International III, IV, V*

Paul D. McLean Award Lecture
*Bodies, brains, and boroughs: A Pittsburgh story*
Introduction: Hugo D. Critchley, DPhil, FRCPs
Awardee: Peter Gianaros, PhD
*Room: International III, IV, V*

11:30am – 11:45am Break

11:45am – 12:45pm Plenary

**Structural Racism: Connecting the Institutions that Create Inequalities**
Introduction: DeWayne P Williams, PhD
Speaker: Gilbert Gee, PhD
*Room: International III, IV, V*

12:45pm – 1:45pm Lunch
*International Foyer*

Round Table Luncheons (pre-registration required)
*Pick up lunch in International Foyer*

**Roundtable Lunch: Psychosocial Well-being and Health**
Facilitators: Julia Boehm, PhD, Jennifer Boylan, PhD
*Room: Pacific II*

**Roundtable Lunch: Antiracism Task Force**
Agenda: task force short-term goals/objectives; activities of the ARTF to date; resource sharing/tools related to anti-racism teaching and research; Q&A on activities and opportunities for connection.
Facilitators: Michael Stanton, PhD, Briana Mezuk, PhD
*Room: Mediterranean I, II*

**Awards Committee: Navigating the Academy- Gaining Honors As An Early Career Researcher**
*Room: Pacific I*

2:00pm – 2:15pm Plenary

TEDSTYLE: Publishing in Psychosomatic Medicine: How To Make It Happen
Introduction: Julian Thayer, PhD
Speaker: Willem Kop, PhD
*Room: International III, IV, V*

2:15pm – 2:30pm Break
1107 / The Influence Of Discrimination On Affective Factors Relevant To The Experience Of Pain
Amanda Acevedo, PhD

1030 / Discrimination And Health: The Mediating Role Of Daily Stress Processes
Elana M. Gloger, MS

Paper Session 32: WHAT WORKS FOR WHOM? INDIVIDUAL DIFFERENCES IN TRIAL OUTCOMES
Chair: Brooke Jenkins, PhD
Room: International III, IV, V

1090 / Effect Of Modernized Collaborative Care For Depression On Overlapping Psychological Risk And Protective Factors For Cardiovascular Disease: Data From The eIMPACT Trial
Michelle K. Williams, BS

1252 / Effect Of Depression Treatment On Subjective Sleep Parameters Among Primary Care Patients: Data From The eIMPACT Trial
Matthew D. Schuling, BA

1512 / eHealth To Improve Psychological Distress And Self-Management Of Chronic Kidney Disease: A Randomized Controlled Trial
Cinderella K. Cardol, MSc

1284 / Videoconferenced Group Cognitive Behavioral Stress Management Improves Symptoms In ME/CFS Patients Presenting With Elevated Post-Exertional Malaise
Marcella May, MA

3:30pm – 3:45pm Transition

3:45pm – 4:45pm Concurrent Sessions

Symposium 8: S160 / TRAUMA AND HEALTH AMONG MIDLIFE AND AGING WOMEN
Chair: Rebecca C. Thurston, PhD
Discussant: Rebecca C. Thurston, PhD
Room: International III, IV, V

1436 / Military Sexual Trauma And Menopause Symptoms Among Midlife Women Veterans
Carolyn Gibson, PhD, MPH

1439 / Traumatic Experiences And Hormone Concentrations Among Midlife Women
Mary Y. Carson, MS

1445 / Interpersonal Trauma And Risk Of Incident CVD In The Study Of Women’s Health Across The Nation
Rebecca C. Thurston, PhD

Paper Session 33: MODERATORS OF THE STRESS RESPONSE
Chair: DeWayne P Williams, PhD
Room: International II

1541 / Addiction And The Stress Response: Does Physical Activity Enhance Resilience Against Early Adversity In Tobacco And Cannabis Users?
Mark Fiecas, PhD

1454 / Differential Immune Responses To Acute Stress In Bereaved And Nonbereaved Adults
E-Lim L. Wu-Chung, BS

1324 / Emotion Suppression And Physiological Stress Reactivity: A Systematic Review And Meta-Analysis
Alexandra T. Tyra, MA

1583 / At The Heart Of The Matter: Discrimination, Acculturation And Cardiovascular Reactivity To Psychosocial Stress
Vida Pourmand, MS

Paper Session 34: CURRENT STATE OF THE ART OF COVID-19 RESEARCH
Chair: Kimberly Dienes, PhD
Room: International II

1352 / Mental Health Before And During The Covid-19 Pandemic And The Role Of Physical Activity: Results From The 4HAIE Study In The Czech Republic
Vera K. Jandackova, PhD

1178 / Therapeutic Alliance And Well-Being From Use Of A Global Digital Mental Health Benefit During The Covid-19 Pandemic
Sara Sagui-Henson, PhD

1328 / Improving Patient Engagement And Experience: Lessons Learned From Long Covid
Julie Walsh-Messinger, PhD

1038 / A Slow Paced Breathing Intervention To Reduce Il-6 In Patients With Covid-19-Pneumonia - A Randomized Controlled Trial
Marc N. Jarczok, Dr. sc. Hum

4:45pm – 6:00pm Poster Session 3 Promenade and Foyer
Poster presenters can put posters up anytime during the day. Take down immediately following the session.

6:30pm – 10:30pm CLOSING BANQUET
(Ticket Required)
Room: Catalina
2022 Awards of the American Psychosomatic Society

**Donald Oken Fellowship:** Hochang Ben Lee, MD

**Distinguished Scientist Award:** Martica Hall, PhD

**Patricia R. Barchas Award:** Greg Miller, PhD

**Herbert E. Weiner Early Career Award:** Jennifer Sumner, PhD

**Paul D. MacLean Award:** Peter Gianaros, PhD

**Martica Hall Sleep Medicine Award:** Daniel Buysse, MD

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**APS 2022 Young Investigator Colloquium**

- Nida Ali, PhD
- Chloe Boyle, PhD
- Brian Chin, PhD
- Heather Derry, PhD
- Shannon Donofry, PhD
- Elenora Iob, PhD
- Karen Jakubowski, PhD
- Dusti Jones, PhD
- Anne-Josee Guimond, PhD
- Harold Lee, PhD
- Matthew Lehrer, PhD
- Nadia Liyanage-Don, MD
- Clare McCormack, PhD
- Jessica McCurley, MPH, PhD
- Miller, PhD
- Karly Murphy, PhD
- Jennifer Nicoloro-Santa Barbara, PhD
- Kristin Nishimi, PhD, MPH
- Megan Renna, PhD
- Agus Surachman, PhD
- Timothy Williamson, MPH, PhD

**APS Scholar Awards**

- Tiwaloluwa Ajibewa, PhD
- Gabriella Alvarez, MA
- Julie Brisson, BA
- Cara Dochat, MS
- Veronica Dudarev, PhD
- Philipp Frank, MSc
- Elana Gloger, MS
- Yeon Sik Jang, MA
- Elissa Kim, BA
- Phoebe Lam, MS
- Rosa Maidhof, MSc
- Michael Mangold, MD, MPH
- Sara Matovic, MS
- Adam O’Riordan, BA
- Anna Parenteau, BS
- Jacqueline Rodriguez-Stanley, MA
- Monika Sadlonova, MD
- Rebecca Salomon, PhD
- Chrystal Spencer, BS
- Amanda Small, BA
- Rachel Telles, BA
- Florencia Trespalacios, BA

**Diversity Travel Award**

- Jason Ashe, MA
- Karina Barragan, BS
- Kennedy Blevins, MA
- Sumaiya DeLane, BA
- Melissa Flores, PhD
- Luz Garcini, PhD
- Angelina Majeno, MPH

**MD Travel Award**

- Sasha Correia, BSc
- Victor Ekuta, BS
- Nadia Liyanage-Don, MD
- Ekaterina Protosenko, BS
- Jasper Voechel, MD

**Hall Travel Award**

- Georgia Saldanha, BSc

**Travel Award for MacLean Scholars**

- Iris Ka-Yi Chat, MA
- Peiyi Wang, BA

**LGBT Travel Award**

- Courtney Taylor, MA
- Silke Jacmin-Park, BSc
- Christopher Crawford, BA
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Margaret Chesney, PhD
Lisa Christian, PhD
Richard Contrada, PhD
Erin Costanzo, PhD
Joel Dimsdale, MD
Donald Edmondson, PhD
Sue Everson-Rose, PhD
Kenneth Freedland, PhD
Pete Gianaros, PhD
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Nataria Joseph, PhD
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Gaston Kapuku, MD
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Julie Turner-Cobb, PhD
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