

Psychoneuroendocrinology
ACROSS THE LIFESPAN

52nd Annual Meeting of ISPNE
CHICAGO · IL · September 8th to 10th · 2022



Day 1	Thursday, September 8th
8:00 am – 6:00 pm Ballroom Foyer	Registration
1:00 – 2:00 pm Crystal Ballroom	Presidential Welcome and Dirk Hellhammer Award 1:00 – 1:20 - Presidential Welcome: Opening and Travel awards– Carmine Pariante 1:20 – 2:00 – Presentation of Dirk Hellhammer Award and Talk – <i>Accelerating the translation of intranasal oxytocin treatment by improving methods, theory, and reproducibility</i> Daniel Quintana
2:00 – 3:00 pm Crystal Ballroom	ISPNE Service Award and Bruce McEwen Lifetime Achievement Award 2:00 – 3:00 – Presentation of Bruce McEwen Lifetime Achievement Award & Talk – <i>Stress for better or worse: From molecules to societies</i> - Robert Sapolsky (Presentation will be a recording w/ Q&A live virtually)
3:00 – 3:15 pm Ballroom Foyer	Coffee break
3:15 – 4:00 pm Crystal Ballroom	ISPNE Business Meeting – All ISPNE members are encouraged to attend to hear the state of the society.
4:00 – 5:15 pm Crystal Ballroom	Presidential Symposium – From Mother to Child: Importance of the Prenatal Period – Carmine Pariante, Chair Impact of Maternal Mental Illness on the Mothers and the Children: A 7-9 Years Follow-Up Study – Carmine Pariante The Epigenetic Link of Perinatal BMI to Maternal Phenotype and Fetal Heart Rate – Catherine Monk Testing the Benefits of Reducing Prenatal Maternal Depression for Maternal and Infant outcomes: A randomized controlled trial – Elysia Poggi Davis The Role of Maternal Early and Perinatal Stress on Maternal and Infant Outcomes in BABIP birth cohort – Elif Aysimi Duman
5:15 – 7:00 pm Art Hall/English/Inspiration	Poster Session and Reception
7:00 – 10:00 pm Crystal Ballroom/Foyer	Dinner

Day 2	Friday, September 9th
7:00 am – 6:00 pm Ballroom Foyer	<p>Registration</p> <p>Breakfast will be served at 7:00 – 8:00 am</p>
8:00 – 9:15 am English Room	<p>Symposium 1 – Sonia Lupien, Chair</p> <p>Threat-induced cortisol is positively associated with white matter microarchitecture in infant rhesus monkeys – Nakul Aggarwal</p> <p>Dynamic longitudinal relations between regional brain metabolism and stress-related blood cortisol during the first year of nonhuman primate life – Rachel Puralewski</p> <p>Stress across the Transition from Preschool to School: Association with the Development of Anxiety Symptoms in Children – Maggy Leblond</p> <p>Prenatal Hair Cortisol Concentrations during the COVID-19 Outbreak: Associations with Maternal Psychological Stress and Infant Temperament – Nina Bruinhof</p>
8:00 – 9:15 am Inspiration Room	<p>Symposium 2 - A biopsychosocial perspective of the effects of stress during development and its relationship to one's vulnerability to psychopathology – Marie-France Marin, Chair</p> <p>Associations between family socioeconomic mobility during childhood and adolescence and diurnal and hair cortisol among adolescent twins – Christina Y. Cantave</p> <p>It's all in the hair: Changes in hair cortisol concentrations in reaction to the COVID-19 pandemic predicts post-traumatic stress symptoms in children – Alexe Bilodeau-Houle</p> <p>A pilot study examining financial stress during COVID-19 and executive function in mental health in parents and children – Sydney C. Yi</p> <p>Cortisol reactivity and emotional cognitive processes in healthy youth presenting elevated vulnerability to anxiety – Catherine Raymond</p>
8:00 – 9:15 am Crystal Ballroom	<p>Symposium 3 - Biological Embedding of Social Determinants of Health in Early Life and Across Generations – Sonja Entringer, Chair</p> <p>Early Life Adversity alters Maternal-Fetal-Placental Biology and may Propagate Population Health Disparities – Tom O'Connor</p> <p>Increased Levels of Psychological Stress and Alterations in Stress Biology during Pregnancy among Women of Turkish-Origin in Germany – Laura Scholaske</p> <p>Impact of Community Policing on Biological Markers of Health Across Development in Black Youth – Shannin Moody</p> <p>Health disparities across generations: effects of maternal childhood adversity and racial discrimination on infant life events and socioemotional competence – Christopher W. Jones</p>
9:15 – 9:30 am Ballroom Foyer	<p>Coffee break</p>
9:30 – 10:30 am Crystal Ballroom	<p>Keynote 1</p> <p>Pubertal Changes in HPA axis Reactivity and Regulation: Megan Gunnar</p>

<p>10:30 – 11:45 am Crystal Ballroom</p>	<p>Invited Symposium 1- Early Experience and Inflammation: Emma Adam, Chair</p> <p>Understanding the Health Consequences of Children’s Exposure to Violence – Greg Miller</p> <p>Early life adversity: programming inflammation and immunosenescence through immunometabolic pathways? – Jonathan Turner</p> <p>The influence of youth’s social environments and experiences on inflammation and cardiovascular disease risk – Hannah Schreier</p>
<p>12:00 – 1:00 pm Crystal Ballroom</p>	<p>Lunch</p>
<p>1:00 – 2:15 pm English Room</p>	<p>Symposium 4 – Cortisol and Pubertal Hormones During Adolescence: Links to Stress and Resilience, Cognition and Brain Volume – Kristine Marceau, Chair</p> <p>Latent Trait Cortisol: Considering the Interplay of Adversity and Cultural Resilience Factors in Latino Adolescents – Michaela Gusman</p> <p>Longitudinal Associations of Adolescent Stress and Cortisol, Testosterone, and DHEA during the COVID-19 Pandemic – Kristine Marceau</p> <p>Exploring profiles of hormone exposure: Associations with cognition in a population-based cohort of early adolescents – Natasha Chaku</p> <p>Hippocampal Subfields, Daily Stressors, and Resting Cortisol in Individuals at Clinical High-Risk for Psychosis – Ivanka Ristanovic</p>
<p>1:00 – 2:15 pm Inspiration Room</p>	<p>Symposium 5 - Context and Neuroendocrine Interplay in the Lab and Everyday Experiences: From Early Life to Adulthood - Catherine Stroud, Chair</p> <p>Evidence that the Biomarker-Behavior Relationship Depends on Negative Evaluation Level: Development and Initial Application of a Scale for Behavioral Engagement During the TSST – Suzanne Vrsek- Schallhorn</p> <p>The Unique and Interactive Effects of Threat and Deprivation Adversity on Emerging Adults’ Latent Trait Cortisol (LTC) – Catherine Stroud</p> <p>Additive, Common, and Cumulative Contributions of Stress on Diurnal Cortisol Activity: Evidence Among Latino College Students – Jeri Sasser</p> <p>The association between cortisol-AA coordination in response to stress, negative urgency, and antisocial behavior in an urban adult sample – Frances R. Chen</p>
<p>1:00 – 2:15 pm Crystal Ballroom</p>	<p>Symposium 6 - Utilizing diverse methods to characterize puberty: Three investigations across development – Sarah Black, Chair</p> <p>The Role of Puberty and Hormones in Psychopathology Symptoms Severity and Directionality in Male Adolescents across Development – Jenny Mai Phan</p> <p>Changes in Brain Structure Associated with Adrenarche in Typically Developing Prepubertal Children – Katherine Cole</p> <p>Longitudinal Patterns of Neuroendocrine Coupling from Middle Childhood to Early Adolescence – Sarah Black</p>
<p>2:15 – 3:00 pm Crystal Ballroom</p>	<p>Keynote 2 - Social Stress in Adolescence, Social Brain Development, and Sex Differences - Cheryl McCormick</p>

3:00 – 3:15 pm Ballroom Foyer	Coffee Break
3:15 – 4:30 pm	<p>Invited Symposium 2 Adolescence and Early Adulthood in Context - Emma Adam, Chair</p> <p>Sleep and Diurnal Cortisol Patterns: Cultural Prediction and Moderation Among Latino College Students – Leah Doane</p> <p>The biological embedding of adversity and inequity: Examining the physiological impacts of discrimination and poverty on ethnically and economically minoritized youths – Paul Hastings</p> <p>The impacts of hate violence on the adrenocortical functioning, psychosocial adjustment, and mental health of ethnically/racially diverse LGBTQ young adults – Luis Parra</p> <p>Young Adults Disparate Experiences of Elections and Civic Engagement: How does Sociopolitical Stress get under the Skin? – Lindsay Till Hoyt</p>
4:30 – 5:00 pm Crystal Ballroom	Early Career Scholar Flash Talks
5:00 – 6:00 pm Inspiration	Early Career Scholar Meeting
5:00 – 6:15 pm English	PNEC Editorial Board Meeting
7:00 – 11:00 pm	A Night on the Town: Dinner and Dancing – Andy's Jazz Club (ticket required)
Day 3	Saturday, September 10th
7:30 am – 3:00 pm Ballroom Foyer	<p>Registration</p> <p>Breakfast will be served at 7:30 – 8:30 am</p>
8:30 – 9:45 am English	<p>Symposium 7 – Neuroendocrine Responses at the Continuum of Psychopathology - Blazej Misiak, Chair</p> <p>Menstrual Cycle Modulation of Neural Reward Responsiveness and its Associations with Anhedonia – Elizabeth Mulligan</p> <p>Overcommitment at work and mental health: the mediation role of Allostatic load – Juliana Souza-Talarico</p> <p>Depression interacts with allostatic load to predict cognitive decline in middle-age – George Perlman</p> <p>Analysis of gut microbiota in patients with schizophrenia: Focus on cognitive performance and psychopathology – Blazej Misiak</p>
8:30 – 9:45 am Inspiration	<p>Symposium 8 - Contexts of youth stress exposure: Implications for biological processes and internalizing problems in adolescence and early adulthood – Sarah Collier-Villaume, Chair</p> <p>Race/Ethnicity, Attachment, and the Cortisol Awakening Response among Young Sexual Minority Men – Stephanie Cook</p>

	<p>Hyper- and hypocortisolism: Latent profiles of diurnal cortisol underlying depressive symptoms in adolescents – Sarah Collier Guillaume</p> <p>Dimensions of early-life adversity and SLC6A4 methylation in emerging adults – Stephanie M. Konig</p> <p>The Unique and Interactive Roles of Neural Reward Sensitivity and Family Conflict in Predicting Youth’s Internalizing Problems: A Biopsychosocial Approach – Beiming Yang</p>
<p>8:30 – 9:45 am Crystal Ballroom</p>	<p>Symposium 9 – Stress, Immune Mechanisms, and Mental Illness: From Etiology to Treatment – Marco Andrea Riva</p> <p>Immune mechanisms in stress response: from vulnerability to pharmacological intervention – Marco Andrea Riva</p> <p>Activation of Type I Interferon and Complement component 3a receptor signaling mediates chronic stress-induced social behavior deficits – Anikumar Pillai</p> <p>The interplay between inflammation, stress and mitochondria in bipolar disorder – Giselle Scaini</p> <p>Reward Circuitry and Symptoms of Anhedonia as Modifiable Targets for Therapeutic Interventions in Depressed Patients with High Inflammation – Jennifer Felger</p>
<p>10:00 – 11:15 Crystal Ballroom</p>	<p>Invited Symposium 3- Pathways to Healthy Aging: Insights from Psychoneuroendocrinology and Psychoneuroimmunology – Sam Zilioli</p> <p>Discrimination and Cortisol Dynamics among Older African Americans Adults – Sam Zilioli</p> <p>Everyday Salivary Cortisol in Older Adulthood: Capturing Time-Varying Socio-Emotional Contours in the Wild – Christiane Hoppman</p> <p>Life Stressors and Immunological Aging: Protective Effects of Cognitive Reappraisal – Rebecca Reed</p>
<p>11:15 – 12:00 pm Crystal Ballroom</p>	<p>Keynote 3 - Evolutionary and Intergenerational Perspectives - Chris Kuzawa</p>
<p>12:00 – 1:15 pm Crystal Ballroom</p>	<p>Lunch and Speed Mentoring</p>
<p>1:15 – 2:30 pm English</p>	<p>Symposium 10 - Early Childhood Education Teacher Psychophysiology and Teacher Stress: Prior Findings, Current Studies, and Future Directions – Andrew McGee, Chair</p> <p>Early Childhood Education Teacher Stress: Qualitative understandings and insights – Cynthia Wiltshire</p> <p>Associations between biomarkers and the psychophysiological impacts of teacher stress: a systematic review – Andrew McGee</p> <p>Examining the Associations of Early Childhood Teacher’s Emotional Well-being with Physiologic Stress, Mindfulness and Self-Compassion – Holly Hatton-Bowers</p>

	<p>Physiologic Stress in the Classroom: Does Teacher's Cortisol Expression Influence Children's Afternoon Rise in Cortisol at Child Care? – Andrew McGee</p>
<p>1:15 – 2:30 pm Inspiration</p>	<p>Symposium 11 - From menarche to menopause: psychoneuroendocrinology across the female reproductive lifespan – Elizabeth Andersen, Chair</p> <p>Characterizing the menstrual cycle in adolescents – challenges and guidelines for psychological research – Hannah Klusmann</p> <p>Menstrual cycle, heart rate variability (HRV), and mood: Is cyclicity of HRV associated with cyclicity of mood symptoms? – Katja Schmalenberger</p> <p>Effects of Sex Steroid Manipulation on Irritability in Women with a History of Postpartum Depression – Crystal Schiller</p> <p>Hormone sensitivity and stressful life events predict the effects of transdermal estradiol on reward-seeking behaviors in perimenopausal women: A randomized controlled trial – Danielle Swales</p>
<p>1:15 – 2:30 pm Crystal Ballroom</p>	<p>Symposium 12 - Impact of Stress Exposure on Mental and Physical Health across the Life Span: Molecular mechanisms, Neurobiological abnormalities, and Novel Pathways for Intervention – Annamaria Cattaneo, Chair</p> <p>Axonal Guidance Dysregulation in Hippocampus underlines a three-hit model of stress susceptibility – Nikolaos Daskalakis</p> <p>Interactions between early adversity and the serotonin system determine lifespan immune responses in the hippocampus – Christoph Anacker</p> <p>Stress exposure at different ages and Distinct epigenetic signatures: effect on behaviour, physical outcomes, and inflammatory pathways – Annamaria Cattaneo</p>
<p>2:30 – 3:00 pm Crystal Ballroom</p>	<p>Closing Remarks – Emma Adam, PhD, ISPNE President-elect and 2022 Conference Committee</p>