



Poster Session III
Friday, October 16, 2025
6:30pm-8:30pm

Posters Sorted by Primary Author's First Name

Poster Number	Title	Author
106	The Interplay of Semantic Subcategory, Time Course, and Electrode Location on the Late Positive Potential	Abigail Moline
69	Gastric Myoelectrical Associations with Autonomic and Central Nervous System Activity During State Negative Emotionality and Perseverative Negative thinking: A Two-Study Investigation	Abigail Szkutak
21	The Influence of Pupil-Linked Arousal on Dynamic Belief Updating in Adolescents and Young Adults	Alena Russmann
17	Adaptive Calibration in Early Regulatory Development: Interactions between RSA, Emotion Regulation, and Parenting in the Context of Ef Development	Alexa Nordine
99	The Psychophysiological Effects of a Kombucha Intervention to the Maastricht Acute Stress Test	Alexander Taylor
77	Evidence of Altered Inter-Network Connectivity in First-Episode Schizophrenia and its Association with Cognitive Performance	Alexis Worthley
18	Neighborhood Opportunity Disparities Predict Brain Function in Young Children	Alice Onyango-Opiyo
59	Examining the Role of Negative Affect in Eliciting Conflict-Monitoring ERPs during a Flanker-IAPS Task	Amanda Holbrook
89	Resonance-Paced Breathing Induces Sex-Specific Hrv Spectral Reorganization	Amber Sarwani
29	The Virtual Party Task: An Updated Approach to Measure Neural Responses to Positive and Negative Peer Feedback in Youth	Angela Qian
72	Academic Stress Moderates the Relationship between a Blunted Error-Related Negativity and Increases in Alcohol Consumption across the First Year of University	Anna Walls
57	Impact of Heart Rate Variability Biofeedback on Executive Function in Older Adults	Anna Wheeler
94	Does cognitive training influence neural speech processing and hearing rehabilitation after cochlear implant surgery?	Annika Rackl

43	Unmotivated for reward: Does anger blunt changes in reward responsiveness?	Anthony Vivino
32	Bridging Vision and Embodiment: How Dual Systems Support Facial Emotion Recognition	Arianna Schiano Lomoriello
97	A Stoic Training Intervention's Effect on Psychophysiology during a Social Stress Task	Ashylia Sloane
54	Exploring Sensory Sensitivity through Pupillometry: Evidence from Basic Visual Stimuli.	Beata Pacula-Lesniak
55	An Association between Frontal Midline Theta Oscillations and Reward Sensitivity as Indexed by SPSRQ but Not Trait BAS	Becca Roy
68	Gad Symptoms and the Temporal Dynamics of Attention to Threat	Benjamin Swanson
100	Reduced Stimulus Preceding Negativity during Periods of Uncertain Anticipation is Linked to Higher Levels of Depressive Symptoms	Benjamin Troutman
6	Why Are You Slowing DOWN? Relationships between Performance Monitoring Event-Related Potentials and Drift-Diffusion Model Parameters	Bohyun Park
63	Neurophysiological Affective Reactivity Classification and Its Stability in Individuals with Cannabis Use Disorder	Brandon Schermitzler
81	Early Perceptual Processing of Emotional Faces is Not Impacted by Emotional Prosody Primes	Calla Mueller
2	Not Just anyone: The Relationship between Living Situation and Cognitive Ageing is Mediated by Systolic Blood Pressure and Depression.	Chin Hong Tan
90	The Impact of Maternal Trauma on Children's Observational Fear Learning	Christine Truong
14	Pupil Size Dynamics during a Category Learning Task	Daniel Rojas-Libano
66	Distinguishing Neural Correlates of Intolerance of Uncertainty and Anxiety	Danylo Shudrenko
91	Psychological costs of distraction across sex: Ethnic differences by HRV	Darcianne K. Watanabe
79	Modulation of the Late Positive Potential by Personal Preferences for Pleasant Experiences: An Examination of Effects of Depressive Symptoms and Brief Intervention	Di Yao
33	EFFECTS OF ELECTROMAGNETIC SHIELDING IN ELECTRIC CARS ON BRAIN ACTIVITY, HEART RATE VARIABILITY, AND ELECTROMYOGRAPHIC ACTIVITY	Diana Henz
8	Characterizing the Aperiodic Activity in Parkinson's Disease Subjects with and without Freezing of Gait	Dylan Gilbreath
49	Altered Pain Processing following Analgesic Suggestions is Characterized by Shared Neural Fluctuations	Dylan Sutterlin-guindon
9	Neural Dynamics of Worry: Examining Late Positive Potential Slope Changes in Threat Processing	Ebony Walker
38	The Optokinetic Stimulation Influence on Postural stability: Fnirs Study	Ekaterina Turgeneva
92	Salience and Problematic Alcohol Involvement: Specifying Sexual Dimorphism in Cognitive Risk Factors	Elizabeth Widiger
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44	Intracranial Evidence for Attention-Independent Verbal Emotion Processing in the Amygdala	Enya Weidner
13	Guessing versus Performance: Comparing the Reward Positivity Across the Doors and Stopwatch Tasks	Eric Rodell
105	Pupillometric Examination of the Role of Attentional Resources in Distraction by Changing-State Irrelevant Sound	Francois Vachon
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73	Dissecting Anxiety: Evidence for a Distinct Freezing-Related Dimension	Haley West
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83	Interoceptive Phase Coupling of Divergent Movements and Stimulus Onset	Hiroshi Shibata
24	The Error Related Negativity in children with reading difficulties	Huilin Sun
93	Timing Matters: The Impacts of Circadian Rhythm on Dark Enhanced Startle	Jackson Marra-Dotts
11	Alpha power increases without neurofeedback: A double-blind sham-controlled study	Jacob Maaz
28	Autonomic Differentiation of Disgust Subtypes Using Cluster Analysis	Jared McGinley
26	The effect of effort expenditure on the neurophysiological indices of reward processing in early adolescence	Jaron Xe Yung Tan
40	Detection of Concealed Information with the DP-CTP: A P300-Based Replication Study	Jerzy Wojciechowski
30	The Role of Emotion Regulation in Physiological Experience of Life regret: A Pilot Study	Jocelyn Rutledge
67	Trait Negative Affect Differentially Predicts Cue-P3 Responses to Effort Demands	John Shuford
3	Isometric Pelvic Muscle Contraction Enhances Heart Rate Variability in Phase-Dependent Fashion during 0.1 Hz Breathing.	Josef Tatschl
95	Reversal Learning in the Pupil and Visual Brain	Jourdan Pouliot
58	Real-World Classification of Student Stress and Fatigue Using Wearable PPG Recordings	Justin Laiti
37	An Oscillatory Hierarchy across the Brain and Body	Kaia Sargent
103	Assessing Psychological Stress during Physiological and Cognitive Tasks Using fNIRS	Kailey Wheeler
75	Exploring Abnormal Neural Sensitivity to Rewards in FMR1 Premutation Carriers across Multiple Tasks	Kamryn Witkowiak
96	Mismatched Expectations: The Complex Interplay between Societal Expectations and False Individual Feedback on Physiology during Competition	Karishma Singh
25	Comparing Analytic Approaches to Mother-Infant Cortisol Attunement: Mixed-Effects Vs. Random-Intercept Cross-Lagged Models	Kento Suzuki
5	Developmental Trajectories of Aperiodic Neural Activity across Middle Childhood	Kylee Witmer
52	Does Psychopathic Meanness Modulate the N170 to Facial expressions?	Lily M R Laevens
87	RESONANCE-PACED BREATHING MODULATES NEUROCARDIAC SIGNALING AND ALCOHOL CUE REACTIVITY	Luke Poole
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16	Understanding Rapid Affective Responses to Risky Choice Outcomes Using Psychophysiology and Real-World Risk-Taking Measures	Maren Sundermeier
7	Fear Generalization to Faces: The Interplay of BOLD Activity, Attention, and Fear Ratings	Mario Reutter
45	Neural Indices of Cognitive Fatigue During Ongoing Processing Speed Task Performance in People with Multiple Sclerosis	Marissa Tripoli
64	Neural Network Dynamics in Transdiagnostic Repetitive Negative Thinking	Martino Schettino

22	Neurocognitive Responses to Aerobic Exercise Around the Ventilatory Threshold: An ERP Investigation.	Melissa Materia
20	Differential Contribution of GABA/Glutamate in Neural Resting State Activity in Typically Developing and Autistic Children	Mia Pearce
70	Savoring reduces the electrocortical processing of subsequently presented negative pictures, but worry attenuates this effect	Mia Utayde
47	ASCT: A Pipeline for Standardized Analysis of MEG/EEG Directional Connectivity	Mirosław Wyczęsany
15	Neurophysiological Signatures of Response Bias and Evidence Accumulation in the Probabilistic Reward Task	Molly Sapperstein
56	Ethnic Identification and Stress: Examining HPA and SAM Axis Reactivity in Response to a Discrimination Related Laboratory Stressor	Muntaha Panhwar
98	The Autonomic Effects of Unilateral Left-Hand Contractions: A Heart Rate Variability Investigation	Murat Sükuti
84	Emotion Categorization in alexithymia: The Role of Perceptual and Functional Similarity	Naho Suzuki
10	Long-Latency Effects of Voluntary and Involuntary Attention: An ERP Analysis	Natalia Yevpak
46	Pharmacological Clustering Reveals Blood pressure Responses to Intoxication are Influenced by Speed of Alcohol Metabolism	Neel Muzumdar
62	Impact of Effort and Expectancy on Reward-Related Neural Activity and ANHEDONIA: Evidence from a Novel Effort & Expectancy Paradigm (EEP)	Nicholas Santopetro
65	Memory Dilation; Using Pupillometry to Study the Impact of Depression and Emotion on Memory Encoding	Nicola Sharp
102	The Odd One Out – How Does Difference of Opinion Manifest on the Physiological Level?	Nina Volkmer
35	What Drives the Mitigating Effect of Unpaired Unconditional Stimulus Presentations on the Return of Human Conditional fear?	Ottmar Lipp
48	Feasibility of a Tactile P3-Based Brain-Computer Interface for People in the Locked-In State Due to Amyotrophic Lateral Sclerosis: A Long-Term Single Case Study in a Patient's Home	Philipp Ziebell
88	The Relationship between Well-Being at School and Hair Cortisol Concentrations in Youth	Roxane Rousseau
12	Flanker-Task Variability and Symptom Dimensions in Predicting ERN and Pe: A Multilevel Modeling Approach	Ryan Vane
86	Fronto-Occipital Coupling on Audiovisual Integration Involved in Auditory Perception	Sahar Zakeri
76	"Resting" Brain and Dynamic Thoughts: A Resting-State EEG Study	Sarah Woronko
101	Pattern of functional connectivity associated with the severity of Emotional Burnout (Anxiety Tension stage)	Sergii Tukaiev
50	Erps to Facial Expressions of Pain Are Modulated Differently by Different Empathy Tasks: Evidence from Mass Univariate Statistics	Seth Winward
4	Blinking Behaviour and Morphology in Older Adults with Normal Cognition and Mild Cognitive Impairment	Shao-Yang Tsai
80	Ethnic Identification among American Indians and Alaska Natives AS A Buffer against the Stress of Discrimination	Shine Soki
19	: Person-Centered Profiles of Maternal Psychopathology Symptoms and Childhood Maltreatment Predict Mothers' Differential Stress Physiology in Response to Children	Sohee Park

1	Greater amygdala representational pattern similarity between neutral faces that follow negative images predicts worse corrugator facial EMG measures of recovery from negative images.	Stacey Schaefer
74	Trusting Hearts: Individual Heart Rate Variability and Dyadic Coupling in a Trust Game	Stella Wienhold
34	Adolescents' Theta Oscillations to Self-Relevant Feedback from Friends and Internalizing Symptoms	Taesun Kim
104	Physiological Evidence for Implicit Right-Hemisphere Dominance in Chimeric Emotional Face Perception	Takahiro Osumi
82	Individual Differences in Affective and Physiological Responses to Experiential Uncertainty	Tess Reid
53	IMPULSIVITY MODERATES MOTOR AND NEURAL APPROACH RESPONSES TO APPETITIVE STIMULI IN THE MOBILE APPROACH-AVOIDANCE TASK	Timothy McCoy
39	Cognitive Safety of Intermittent Theta Burst Stimulation to Dorsomedial Prefrontal Cortex in Individuals with Cocaine Use Disorder	Troy Webber
51	Can Physical Fitness Shield Your Cardiac Vagal Tone from Lifetime Air Pollution Exposure? Insights from the Czech 4HAIE Study	Vera Jandackova
60	White Matter Microstructure and Cognitive Recovery following Cognitive Training in First-Episode Schizophrenia	Victoria Rosen
85	Testing Causal Relations between Behavioral and Physiological Dynamics during Interpersonal Coordination	Wenbo Yi
23	Age-Related Improvements in Response Latency during Adolescence Fully Mediated by More Efficient Premotor selection, Not Motor Speed	Will Slawson
36	The Effect of Extinction Training with Unpaired Us and Us Only Presentations on the Contextual Renewal of Human Fear Conditioning	Yi Wang
78	Reduced Prefrontal Delta Oscillations Underlie Impaired Approach Behavior in Social Anxiety Disorder	Zhaohan Wu