## Poster Schedule

### Poster Session I

**Poster Session I-001**

APATHY IS ASSOCIATED WITH INCREASED CONNECTIVITY OF THE RIGHT NUCLEUS ACCUMBENS WITH INSULAR, FRONTAL, AND TEMPORAL CIRCUITRY IN OLDER ADULTS AT RISK FOR ALZHEIMER’S DISEASE

Joshua Gertler¹, Lauren Kenney¹, Adrianna Ratajska¹, Francesca Lopez¹, Katie Rodriguez¹, Rachel Schade¹, Alyssa Ray¹, Jared Tanner¹, Gene Alexander², Adam Woods¹, Dawn Bowers¹

¹University of Florida, ²University of Arizona

### Poster Session II

**Poster Session II-002**

APERIODIC EEG AND 7T MRSI EVIDENCE FOR MATURATION OF E/I BALANCE SUPPORTING THE DEVELOPMENT OF WORKING MEMORY THROUGH ADOLESCENCE

Shane McKeon¹,², Maria Perica²,³, Ashley Parr²,⁴, Finnegan Calabro¹,²,⁴, Will Foran⁴, Beatriz Luna²,⁴

¹Department of Bioengineering, University of Pittsburgh, ²The Center for the Neural Basis of Cognition, University of Pittsburgh, ³Department of Psychology, University of Pittsburgh, ⁴Department of Psychiatry, University of Pittsburgh

### Poster Session III

**Poster Session III-003**

CEREBROVASCULAR MECHANISMS OF COGNITIVE AGING: ROLES OF ARTERIAL STIFFENING AND WHITE MATTER LESIONS

Daniel Bowie¹,², Kathy Low¹,², Benjamin Zimmerman¹,², Samantha Rubenstein¹,², Samia Islam¹,², Brad Sutton¹,², Gabriele Gratton¹,², Monica Fabiani¹,²

¹University of Illinois, Urbana-Champaign, ²Beckman Institute for Advanced Science and Technology

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**Poster Sessions**

2023 SPR Annual Meeting • September 27 - October 1
POSTER SESSION I-004
ASSOCIATION BETWEEN CEREBRAL ARTERIAL ELASTICITY, CARDIOVASCULAR RISK AND COGNITION IN HEALTHY OLDER ADULTS
Frini Karayanidis1,2, Jenna Johnson1,2, Nicholas Ware1,2, Sarah Johnson1,2, Kathy Low3,4, Shania Soman1,2, Felicity Simpson1,2, Nathan Beu1,2, Maddison Mellow5, Ashleigh Smith5, Gabriele Gratton3,4, Monica Fabiani3,4
1University of Newcastle, Australia, 2Hunter Medical Research Institute, 3Beckman Institute, 4University of Illinois, Urbana-Champaign, 5University of South Australia

POSTER SESSION I-005
LONELINESS TO MEANINGLESS: EVENT-RELATED POTENTIALS REVEAL LONELINESS MODULATES NEURAL RESPONSES OF SEMANTIC PROCESSING IN HEALTHY OLDER ADULTS
Bing Li1, Chih-Mao Huang2, Qiduo Lin1, Ovid J. L. Tzeng1,2,3, Hsu-Wen Huang1
1City University of Hong Kong, 2National Yang Ming Chiao Tung University, 3National Taiwan Normal University

POSTER SESSION I-006
CONTENT SPECIFICITY OF THE INNER SPEECH EFFERENCE COPY
Emily Martinez1, Joseph Toscano2
1University of California, Los Angeles, 2Villanova University

POSTER SESSION I-007
NEURAL CORRELATES OF ATTENTION TO ALCOHOL IMAGES AND PROBLEMATIC DRINKING
Wesley Vaught, Hannah Hamrick, Matt Judah
University of Arkansas

POSTER SESSION I-008
ANTERIOR INSULA AFFECTS THE RIGHT HEMISPHERE PREPONDERANCE OF STIMULUS-PRECEDING NEGATIVITY: CORRELATION ANALYSIS
Yoshimi Ohgami1, Yasunori Kotani1, Nobukiyo Yoshida2, Hiroyuki Akai3, Akira Kunimatsu4, Shigeru Kiryu4, Yusuke Inoue5
1Tokyo Institute of Technology, 2Niigata University of Health and Welfare, 3The University of Tokyo, 4International University of Health and Welfare, 5Kitasato University

POSTER SESSION I-009
MONITORING FOR EXCEPTIONS FROM “OPPOSITE DAY” — ELECTROPHYSIOLOGICAL EVIDENCE FOR ENHANCED ATTENTION TO RARE CONGRUENT STIMULI
Michael Sprengel1, Thomas Hosang1, Andreas Löw1, Silvain Laborde2, Niels Baumn2, Thomas Jacobsen1
1Helmut Schmidt University / University of the Federal Armed Forces Hamburg, 2German Sport University Cologne

POSTER SESSION I-010
HOW DO ATTENTION AND EXPERIENCE INTERACT AT THE COCKTAIL PARTY PROBLEM
Thaiz Sánchez-Costa1, Maria Carboni1, Francisco Constantino1,2
1Universidad de la República, Uruguay, 2Instituto de Investigaciones Biológicas Clemente Estable

POSTER SESSION I-011
ATTENTIONAL BIASES TO SOCIAL THREAT IN LONELINESS: EVIDENCE FROM COMPUTATIONAL AND NEUROPHYSIOLOGICAL APPROACHES
Szymon Mąka, Marta Chrustowicz, Łukasz Okruszek
Polish Academy of Sciences

POSTER SESSION I-012
EFFICACY OF MINDFULNESS ON SUBJECTIVE FEELINGS, AUTONOMIC ACTIVITY, AND ENDOCRINE LEVELS AFTER ACUTE MENTAL STRESS
Hiroki Murakami
Oita University

POSTER SESSION I-013
NEW METRICS TO CHARACTERIZE PHYSIOLOGICAL CHANGES INDUCED BY VOLITIONAL PACED SIGHING
Kelsey Piersol, Neel Muzumdar, Jennifer Buckman
Rutgers University, New Brunswick

POSTER SESSION I-014
ERP DATA QUALITY IN EARLY CHILDHOOD: A LONGITUDINAL AND SYSTEMATIC INVESTIGATION
Amanda Peters, Elif Isbell
University of California, Merced
POSTER SESSION I-015
DIFFERENCES IN N2 CORRELATIONS WITH INTERNALIZING AND EXTERNALIZING SYMPTOMS ACROSS STROOP AND FLANKER TASKS
Harold Rocha¹, Nathan Balls², Presencia Cheriyan¹, Katherine Froozan¹, Margaret Hancock², Prithvi Kota¹², Conner Monson², Scott Baldwin², Michael Larson², Peter Clayson¹
¹University of South Florida, ²Brigham Young University

POSTER SESSION I-016
MONEY OR A MOUTH-WATERING REWARD? A NEUROPHYSIOLOGICAL COMPARISON OF MONETARY AND FOOD-RELATED REWARD SALIENCE
Tracy Bertka¹, Alina Espinoza¹, Kaylie Carbine¹, James LeCheminant², Michael Larson²
¹California State University, Dominguez Hills, ²Brigham Young University

POSTER SESSION I-017
CHILDHOOD FAMILY SOCIOECONOMIC STATUS AND NEURAL INDICES OF COGNITIVE CONTROL IN ADULTHOOD
Nancy Rodas De Leon, Elif Isbell
University of California, Merced

POSTER SESSION I-018
USING CAUSALLY INFORMED FUNCTIONAL CONNECTIVITY METHODS TO IDENTIFY PREFRONTAL-CINGULATE TMS TARGET FOR REWARD POSITIVITY MODULATION
Nicole Lalta, Malte Güth, Ravi Mill, Michael Cole, Travis Baker
Rutgers University

POSTER SESSION I-019
ADHD SYMPTOMS DO NOT MODERATE THE RELATIONSHIP BETWEEN ANXIETY AND BEHAVIORAL AND NEURAL INDICES OF COGNITIVE CONTROL
Jade Moros¹, Brianna Lind¹, Daniel Gordon¹, Christopher Webster¹, Courtney Louis¹, Kate Fitzgerald², Jason Moser¹
¹Michigan State University, ²Columbia University

POSTER SESSION I-020
PARENTS’ ERROR SENSITIVITY TO THEIR CHILD’S MISTAKES
Sally Cole, Enrique Cibrian, Alexandria Meyer
Florida State University

POSTER SESSION I-021
PSYCHOPHYSIOLOGICAL CORRELATES OF PROTEIN VS. CARBOHYDRATE INTAKE AND INHIBITORY CONTROL IN OVERWEIGHT PRETEENS
Graciela Alatorre-Cruz¹², Yuyuan Gu¹, Heather Downs¹, Darcy Hagood¹, David Williams¹², Linda Larson-Prior¹²
¹Arkansas Childrens Nutrition Center, ²University of Arkansas for Medical Sciences

POSTER SESSION I-022
TEMPORAL-SPATIAL PCA REVEALS COMPENSATORY P300 AMPLITUDES NOT DETECTED WITH TRADITIONAL ERP METRICS IN HEALTHY ELDERS WITH GENETIC ALZHEIMER’S RISK
Elizabeth Paitel¹², Kristy Nielson¹²
¹Marquette University, ²Medical College of Wisconsin

POSTER SESSION I-023
NEURONAL AND PSYCHOPHYSIOLOGICAL RESPONSES REFLECT THE STRENGTH OF AFFIRMATIVE BELIEFS ON FOOD PRODUCTS
Hana Muto¹, Asuka Miyahara¹, Kiyomitsu Niioka¹, Takayuki Yamamoto², Moe Arai², Ryo Tanaka², Rieko Fuji², Satoko Ishiguro², Hitomi Tsuchiya², Masato Kawamoto², Ippeita Dan¹
¹Chuo University, ²R&D Institute, Morinaga & Co., Ltd.

POSTER SESSION I-024
DIFFERENTIAL MODULATION OF THETA BAND ACTIVITY FOR SPEECH VS. LIMB MOVEMENT INHIBITION THROUGH NON-INVASIVE PREFRONTAL CORTEX STIMULATION
Karim Johari¹, Joel Berger²
¹Louisiana State University, ²University of Iowa Hospital and Clinics
POSTER SESSION I-025
EEG SIGNALS SENSITIVE TO COGNITIVE CONTROL AND UNCERTAINTY DIFFER DEPENDING ON THE EXPLORATION STRATEGY USED
Thomas Ferguson1,2, Alona Fyshe1,2, Adam White1,2
1University of Alberta, 2Alberta Machine Intelligence Institute

POSTER SESSION I-026
AGE-RELATED DYNAMICS OF COGNITIVE CONTROL IN A CUED FLANKER TASK
Sydney Chism1,2, Kathy Low1,2, Monica Fabiani1,2, Gabriele Gratton1,2
1University of Illinois, Urbana-Champaign, 2The Beckman Institute for Advanced Science and Technology

POSTER SESSION I-027
THE RELATIONSHIP BETWEEN ERPS AND EROS DATA IN A TASK-SWITCHING PARADIGM
Xiang Quan1,2, Patrycja Kalamala1,2,3, Kathy Low1,2, Frini Karayanidis4,5, Monica Fabiani1,2, Gabriele Gratton1,2
1University of Illinois, Urbana-Champaign, 2The Beckman Institute for Advanced Science and Technology, 3Jagiellonian University, 4University of Newcastle, 5Hunter Medical Research Institute

POSTER SESSION I-028
NOVEL RESTING STATE EEG METRICS OF MILD TRAUMATIC BRAIN INJURY AND THEIR ASSOCIATION WITH LONGITUDINAL COGNITIVE FUNCTION.
Mark Nwakamma1, Alexandra Stillman2, Charles Hillman1, Timothy Morris1, Mouhsin Shafi3
1Northeastern University, 2Beth Israel Deaconess Medical Center, 3Harvard Medical School

POSTER SESSION I-029
RELATION OF CONTEXT-SPECIFIC SEDENTARY BEHAVIOR TO INHIBITORY CONTROL AND CONFLICT MONITORING (ERN)
Praveen Pasupathi, Lexi Kier, Megan O’Brokta, Eric Drollette
University of North Carolina, Greensboro

POSTER SESSION I-030
THE ROLE OF PUPIL-LINKED AROUSAL IN PATCH-LEAVING DECISIONS
Anna Marzecová1, Brent Vernaillen2, Ida Hoxhaj1, Tom Verguts2, Gerhard Jocham1
1Heinrich Heine University Düsseldorf, 2Ghent University

POSTER SESSION I-031
TO DO IT OR NOT TO DO IT? THE CAUSAL ROLE OF PREFRONTAL AREAS IN MORAL DECISIONS: A TRANSCRANIAL DIRECT CURRENT STIMULATION STUDY
Fiorella Del Popolo Cristaldi1, Nicola Cellini1, Barbara Penolazzi2, Michela Sarlo3
1University of Padova, 2University of Trieste, 3University of Urbino Carlo Bo

POSTER SESSION I-032
THE EFFECTS OF INFECTION CUES ON CARDIAC DECELERATION AND SOCIAL RISK AVERSION
Derek Spangler, Nina Lauharatanahirun
Penn State University

POSTER SESSION I-033
SOCIAL DEFENSE CASCADE: PRELIMINARY EVIDENCE FOR DYNAMICS OF AUTONOMIC DEFENSIVE RESPONSES TO APPROACHING SOCIAL THREAT
Matthias Wieser1, Christoph Szeska2, Julia Wendt2, Alfons Hamm3, Mathias Weymar2
1Erasmus University Rotterdam, 2University of Potsdam, 3University of Greifswald

POSTER SESSION I-034
BEYOND BUTTON PRESSING: THE EFFECT OF MEANINGFULNESS ON AROUSAL RESPONSE TO DECISION MAKING IN INTERACTIVE VIDEO
Yuxian Lin, Robert Potter
Indiana University

POSTER SESSION I-035
WORRY INDUCTION AND THE ERROR-RELATED NEGATIVITY
Rachel Ferry, Rachel Witt, Alex Grieshaber, Brady Nelson
Stony Brook University
POSTER SESSION I-036
ATTENTION BIAS AND WORRY: THE INFLUENCE OF CONTRAST AVOIDANCE AND EMOTION REGULATION
Hannah Hamrick, Morgan Middlebrooks, Arooj Abid, Wesley Vaught, Matt Judah
University of Arkansas

POSTER SESSION I-037
MAGNETENCEPHALOGRAPHIC AND BEHAVIORAL CORRELATES OF EMOTIONS ELICITED BY MUSIC
Alejandro Espino-Payá¹, Nieves Fuentes-Sánchez², Sabine Pranther², Andreas Wollbrink¹, M. Carmen Pastor², Markus Junghöfer¹
¹University of Münster, ²University Jaume I

POSTER SESSION I-038
ELECTROCORTICAL TIME COURSE FOR THE PROCESSING OF AFFECTIVE IMAGES OF CLIMATE CHANGE
Morgan Oja, John Foley, Makayla Mattson, Josh Yang, Mikkena Weiler, Lin Fang, Josh Carlson
Northern Michigan University

POSTER SESSION I-039
EMOTION REGULATION FLEXIBILITY: NEUROPHYSIOLOGICAL AND OSCILLATORY MECHANISMS OF SWITCHING BETWEEN REAPPRAISAL AND DISTRACTION STRATEGIES
Agnieszka Adamczyk¹,², Jacobien van Peer¹, Saskia Koch¹, Mirosław Wyczesany², Karin Roelofs¹¹
Radboud University, ²Jagiellonian University

POSTER SESSION I-040
A PRELIMINARY INVESTIGATION OF RESTING HEART RATE VARIABILITY AND THE NEED FOR AFFECT AMONG ASIAN AMERICANS AND EUROPEAN AMERICANS
Darcianne Watanabe, DeWayne Williams
University of California, Irvine

POSTER SESSION I-041
“I CAN SEE YOU, BUT CAN YOU SEE ME?” THE MODULATION OF EMOTIONAL MIMICRY THROUGH VISUAL CONTACT DURING ONLINE MEETINGS
Michał Olszanowski, Aleksandra Fortunska, Natalia Frankowska
SWPS University

POSTER SESSION I-042
FEAR CONDITIONING INTERFERES WITH THE VISUAL PROCESSING OF CONTEXTUAL CUES
Alejandro Santos-Mayo¹,², Stephan Moratti¹²
¹Complutense University of Madrid

POSTER SESSION I-043
NEURAL OSCILLATORY ACTIVITY DURING ANGER RUMINATION IS PREDICTIVE OF RETALIATORY AGGRESSION IN A SAMPLE OF UNDERGRADUATE STUDENTS
Mairin Cotter, Kate Loposser, Zachary Wilde, Fayth Walbridge, Tiffany Harris, Rachel Kaplan, Stephanie Smith
University of Southern Mississippi

POSTER SESSION I-044
HEART RATE ACCELERATION DURING EMOTIONAL PICTURE VIEWING BOOSTS EMOTIONAL MEMORY & AVOIDANCE RESPONSES
Stephan Moratti, Alejandro Santos Mayo, Inés Abalo Rodríguez, Silvia Molina Blanco, Sara Pampín Del Rio, Miriam Díaz Sánchez, Gabriel Sánchez del Corral, Sergio Calvo García
Complutense University

POSTER SESSION I-045
THE EMOTIONAL IMPACT OF SCENES AND VIDEO: EFFECT SIZES OF ERP, SSVEP, AND SELF REPORT MEASURES
Andrew Farkas, Matt Gehr, Han Jia, Anikait Chand, Kaitlyn Bennett, Agustin Lorenzo, Dean Sabatinelli
University of Georgia, Athens

POSTER SESSION I-046
LINKING BRAIN-HEART INTERACTIONS TO EMOTIONAL AROUSAL IN IMMERSIVE VIRTUAL REALITY
Antonin Fourcade¹,²,³,⁴, Felix Klotzsche²,³, Simon Hofmann²,³,⁵, Alberto Mariola⁶, Vadim Nikulin²,³,⁷, Arno Villringer¹,²,³,⁴, Michael Gaebler²,³
¹Max Planck School of Cognition, ²Max Planck Institute for Human Cognitive and Brain Sciences, ³Max Planck Dahlem Campus of Cognition, ⁴Charité Universitätsmedizin, ⁵Fraunhofer Institute Heinrich-Hertz, ⁶University of Sussex, ⁷Higher School of Economics National Research University
POSTER SESSION I-047
GENETIC ASSOCIATION OF THE NICOTINIC ACETYLCHOLINE RECEPTOR ALFA-4 SUBUNIT GENE (CHRNA4) RS1044396 WITH INTERNET GAMING DISORDER IN SIBERIAN ADOLESCENTS: A REPLICATION CASE-CONTROL STUDY
Sergey Tereshchenko¹, Marina Smolnikova¹, Margarita Shubina¹, Nina Gorbacheva¹, Ivan Novitckii¹,²
¹Scientific Research Institute for Medical Problems of the North, ²Dmitri Hvorostovsky Siberian State Academy of Arts

POSTER SESSION I-049
DEMOGRAPHIC DERBY: PARTICIPANTS CHARACTERISTICS TO CONSIDER IN ERP STUDIES OF LEARNING AND WORKING MEMORY
Mathew Hammerstrom, Katherine Boere, Olave Krigolson
University of Victoria

POSTER SESSION I-050
LONG-TERM STABILITY OF FEEDBACK-EVOKED BRAIN-HEART COUPLING (N300H) AND FRONTOMEDIAL THETA OSCILLATIONS (FMΘ)
Philipp Bierwirth, Christian Panitz, Sarah-Louise Unterschemmann, Erik Mueller
University of Marburg

POSTER SESSION I-051
WEAK SITUATIONS: THE USE OF UNCERTAINTY TO REVEAL INDIVIDUAL DIFFERENCES IN LEARNING RELATED TO PTSD
Todd Allen
University of Northern Colorado

POSTER SESSION I-052
IS FRONTAL ALPHA ASYMMETRY A MARKER OF APPROACH MOTIVATION? INSIGHTS FROM A COLLABORATIVE FORKING PATH ANALYSIS
Katharina Paul¹, Cassie Short², Jan Wacker¹
¹University Hamburg, ²University Oldenburg

POSTER SESSION I-053
HEART RATE VARIABILITY PREDICTS TOTAL PERIPHERAL RESISTANCE OVER SIX YEARS IN BLACK MEN BUT NOT BLACK WOMEN
Julia Birenbaum¹, Cameron Wiley¹, Gaston Kapuku², Julian Thayer¹, DeWayne Williams¹
¹University of California, Irvine, ²Medical College of Georgia, Augusta University

POSTER SESSION I-054
NEIGHBORHOOD DISADVANTAGE AND RACIAL/ETHNIC DIFFERENCES IN NEURAL REACTIVITY TO EMOTIONAL STIMULI IN CHILDREN
Celeste Beauvilaire, Brandon Gibb
Binghamton University, SUNY

POSTER SESSION I-055
SUICIDAL IDEATION AND NEURAL REACTIVITY TO EMOTIONAL STIMULI IN CHILDREN
Pooja Shankar, Brandon Gibb
Binghamton University

POSTER SESSION I-056
OCCIPITAL ERROR-RELATED ALPHA POWER AND ITS ASSOCIATION WITH ANXIETY SYMPTOMS IN PRESCHOOLERS
Ann Iturra-Mena¹,², Maria Muzik³, Jason Moser⁴, Katherine Rosenblum³, Kate Fitzgerald¹,⁵
¹Columbia University, ²University of Michigan, ³Michigan State University, ⁴New York State Psychiatric Institute

POSTER SESSION I-057
TEMPORAL CASCADE OF MULTIMODAL INFANT SUSTAINED ATTENTION MEASURES: LOOKING PRECEDES EEG POWER METRICS THAT PRECEDE HEART RATE RESPONSE
Wei Siong Neo, Bridgette Kelleher, Dan Foti
Purdue University

POSTER SESSION I-058
PARENTING STYLES AND LEVELS OF RESPIRATORY SINUS ARRHYTHMIA DURING PARENT-CHILD INTERACTIONS
Nia Cole, Brandon Gibb
Binghamton University
POSTER SESSION I-059
A LONGITUDINAL EXAMINATION OF AGE- AND LEARNING-DEPENDENT VISUOCORTICAL PROCESSING DURING INFANCY
University of Florida

POSTER SESSION I-060
PHASE-SPECIFIC MODULATION OF TRANSCRANIAL ALTERNATING CURRENT STIMULATION IN HUMANS
Miles Wischnewski, Harry Tran, Zhihe Zhao, Alexander Opitz
University of Minnesota

POSTER SESSION I-061
CULTIVATING COMPASSION IN EDUCATION: SELF-REPORT AND SALIVARY ALPHA-AMYLASE AS INDICATORS OF BURNOUT
Jaime Heiner, Jamie Steenblik, Hannah Hughes, Timothy Black, Melinda Russell-Stamp, Aminda O’Hare
Weber State University

POSTER SESSION I-062
HAPTIC STIMULATION PROMOTE MOTOR LEARNING
Sergii Tukaiev, Oleksandr Pravda, Viktor Komarenko, Sergey Danylov, Uladzislau Lukashevich, Mykola Makarchuk, Svitlana Fedorchuk
1Universita della Svizzera italiana, 2Taras Shevchenko National University of Kyiv, 3National University of Ukraine on Physical Education and Sport, 4Beehiveor Academy and R&D Labs, 5Teslasuit

POSTER SESSION I-063
CHARACTERIZING VISUOCORTICAL CHANGES DURING AVERSIVE GENERALIZATION LEARNING: COMPUTATIONAL MODELING AND TEMPORAL DYNAMICS
Laura Ahumada, Christian Panitz, Caitlin Traiser, Jourdan Pouliot, Payton Chiasson, Faith Gilbert, Andreas Keil
University of Florida

POSTER SESSION I-065
HEMISPHERIC ASSYMETRY IN THE PROCESSING OF AN EMOTIONAL WORKING MEMORY TASK
Juan Abril Ronderos, Marisol Lamprea Rodriguez, Catalina Alvarado Rojas
1Universidad Nacional de Colombia, 2Pontificia Universidad Javeriana

POSTER SESSION I-066
TRACKING ENCODING DYNAMICS VIA MULTI-STATE MODELING OF EYE MOVEMENTS
Chloe Kindell, Heather Lucas
Louisiana State University

POSTER SESSION I-067
FOOD CUE REWARD SALIENCE DOES NOT EXPLAIN HYPERPHAGIA IN ADOLESCENTS WITH PRADER-WILLI SYNDROME
Menton Deweese, Sasha Key, Elizabeth Roof
1Vanderbilt University, 2Vanderbilt University Medical Center

POSTER SESSION I-069
THE FORCE OF CRAVING: APPROACH MOVEMENTS RELATE TO LATERALIZED P3 AMPLITUDES AND SENSATION SEEKING
Timothy McCoy, Hilmar Zech, Philip Gable, Emma Boyd
1University of Delaware, 2University of Dresden

POSTER SESSION I-070
ROBUSTNESS OF BALANCE-RELATED DIGITAL BIOMARKERS IN DIFFERENTIATING PEOPLE WITH MULTIPLE SCLEROSIS (MS) FROM PEOPLE WITHOUT MS
Sepideh Heydari, Jodie Gawryluk, John Ralston
1University of Victoria, 2Neursantys

POSTER SESSION I-071
NEUROPHYSIOLOGICAL UNDERPINNINGS OF INFORMATION PROCESSING SPEED DEFICITS IN PEOPLE WITH MULTIPLE SCLEROSIS
Thomas Covey, Hope Nyarady, Mckenzie Haller, Ryan O’Donnell, Bianca Weinstock-Guttman, Ralph Benedict, David Shucard
University at Buffalo
POSTER SESSION I-073
IMPLICIT MONITORING OF MULTIPLE-OTHERS’ FACIAL EXPRESSIONS AND ITS RELATION WITH TRAIT EMPATHY
Kei Kobayashi, Tetsuko Kasai
Hokkaido University

POSTER SESSION I-074
GARBAGE IN GARBAGE OUT: TEST-RETEST RELIABILITY OF SPECTRAL PARAMETERIZATION BY FOOOF
Douglas Angus¹, Daniel McKeown¹, Victor Schinazi¹, Oliver Baumann¹, Ahmed Moustafa¹, Anna Finley², Nicholas Kelley³, James Cavanagh⁴, Hannah Keage⁵
¹Bond University, ²University of Wisconsin, Madison, ³University of Southampton, ⁴University of New Mexico, ⁵University of South Australia

POSTER SESSION I-075
ANTI-BLACK RACISM IN EEG, AND HOW WE CAN ADDRESS IT
Lisa Brown, David Rollock, Dan Foti
Purdue University

POSTER SESSION I-076
CHILDHOOD FAMILY SOCIOECONOMIC STATUS AND PSYCHACOUSTICS IN ADULTS: AN ERP STUDY
Dylan Richardson, Nancy Rodas de Leon, Elif Isbell
University of California, Merced

POSTER SESSION I-077
PHYSIOLOGICAL REACTIVITY AND HABITUATION TO ACUTE PSYCHOLOGICAL STRESS: THE INFLUENCE OF TRAIT EXTRAVERSION
Adam O’Riordan, Annie Ginty, Danielle Young
Baylor University

POSTER SESSION I-078
RELATIONSHIP BETWEEN ANXIOUS APPREHENSION, ANHEDONIA, AND ERROR POSITIVITY ACROSS FLANKER, STROOP, AND GO/NO-GO TASKS
Amanda Holbrook¹, Zoey Halperin¹, Bethany Hartwell², Rylee Hopkins², Emily Laliberte¹, Berkeley Runia², Scott Baldwin², Michael Larson², Peter Clayson¹
¹University of South Florida, ²Brigham Young University

POSTER SESSION I-079
PATHOLOGICAL PERSONALITY DIMENSIONS AND PUNISHMENT-ENHANCED ERROR RELATED NEGATIVITY
Clare Beatty, Marcela Gallardo, Jacob Feldman, Adina Levy, Alex Grieshaber, Sarah Barkley, Brady Nelson
Stony Brook University

POSTER SESSION I-080
MATERNAL DEPRESSION HISTORY MODERATES THE ASSOCIATION BETWEEN NEURAL REACTIVITY TO REWARD OUTCOME FEEDBACK AND DEPRESSIVE SYMPTOMS IN YOUTH
Elana Israel, Brandon Gibb
Binghamton University

POSTER SESSION I-081
FUNCTIONAL DISSOCIATION BETWEEN ERPS ELICITED BY PERFORMANCE VERSUS REWARD FEEDBACK IN MAJOR DEPRESSIVE DISORDER
Skye Napolitano¹, Kimberly Galvez-Ortega¹, Anna Weinberg², Greg Hajcak³, Daniel Klein⁴, Daniel Foti¹
¹Purdue University, ²McGill University, ³Florida State University, ⁴Stony Brook University

POSTER SESSION I-082
MONITORING OF SELF-COMMITTED VERSUS OBSERVED ERRORS IN OBSESSIVE-COMPULSIVE DISORDER AND SOCIAL ANXIETY DISORDER: AN ERP STUDY
Julian Vahedi¹, Armin Bahic², Irini Chaliani², Leonhard Schilbach²,³, Burkhard Ciupka-Schön¹, Christian Bellebaum¹, Reinhard Pietrowsky¹, Jutta Peterburs¹,⁴
¹Heinrich-Heine-University Düsseldorf, ²LVR-Clinic Düsseldorf, ³Ludwig-Maximilians University München, ⁴MSH Medical School Hamburg

POSTER SESSION I-083
BLUNTED REWARD POSITIVITY PROSPECTIVELY PREDICTS RELAPSE IN WOMEN WITH CANNABIS USE DISORDER
Thomas Preston, Richard Macatee
Auburn University
POSTER SESSION I-084
INFLUENCE OF BRIEF MINDFULNESS EXERCISE ON REGULATING EMOTION/MOTIVATIONAL PROCESSING IN AUTISTIC YOUTH
Sarah Marshall1, Nathan Riek2, Micayla Lacey3, Ricardo Wilhelm4, Carla Mazefsky2, Susan White5, Murat Akcakaya2, Philip Gable1
1University of Delaware, 2University of Pittsburgh, 3Wilkes University, 4Laureate Institute for Brain Research, 5University of Alabama

POSTER SESSION I-085
DELTA BETA COUPLING AND ERP MEASURES OF ATTENTION BIAS AS PREDICTORS OF ADOLESCENT BEHAVIORAL INHIBITIONS AND SOCIAL ANXIETY SYMPTOMS
Bridget Cahill, Madison Politte-Corn, Sarah Myruski, Kristin Buss
The Pennsylvania State University

POSTER SESSION I-087
USE OF THE BETHESDA EYE & ATTENTION MEASURE AS A NEUROPSYCHOLOGICAL SCREENER FOR VETERANS WITH MENTAL HEALTH CONDITIONS AT RISK FOR HOMELESSNESS
Jessica Zakrzewski1,2, Mark Ettenhofer1,2,3, Amber Keller1,2,4, Tara Austin1,2, Jacqueline Maye1,2, Felica Van Schie1,2, Jillian Clark1,2, Arpi Minassian1,2, Elizabeth Twamley1,2
1University of California, San Diego, 2VA San Diego Healthcare System / Center of Excellence for Stress and Mental Health, 3TBI Center of Excellence, Department of Defense, 4SDSU/UC San Diego Joint Doctoral Program in Clinical Psychology

POSTER SESSION I-088
BEYOND THE DIFFERENCE WAVE: LEVERAGING COMPUTATIONAL MODELING TO PREDICT DEPRESSION-RELATED REDUCTIONS IN THE REWARD POSITIVITY
Trevor Jackson, James Cavanagh
University of New Mexico

POSTER SESSION I-089
FEARLESSNESS MEDIATES THE LINK BETWEEN PSYCHOPATHY AND PROACTIVE AGGRESSION
Laura Hazlett, Nicholas Thomson
Virginia Commonwealth University, Richmond

POSTER SESSION I-090
TESTING EFFECTS OF SENSORIMOTOR LEARNING AND ITS VIEWPOINT-DEPENDENCY ON AUDITORY ERP ATTENUATION DURING ACTION OBSERVATION
Constanze Weber, Marta Ghio, Christian Bellebaum
Heinrich Heine University, Düsseldorf

POSTER SESSION I-091
FACE-SENSITIVE ERPS: THE INFLUENCE OF RACE, TASK DEMANDS, AND IMPLICIT RACIAL BIAS
Gizelle Anzures, Melissa Mildort
Florida Atlantic University

POSTER SESSION I-092
CARDIAC INTEROCEPTIVE ACCURACY IS NOT ALTERED BY ACUTE STRESS
Greta Hansen1, Claus Vögele1, Silja Bellingrath2, Annika Lutz1, Antonia Sauder1, André Schulz1
1University of Luxembourg, 2Universität Duisburg-Essen

POSTER SESSION I-093
BYPASSING INPUT TO V1 IN VISUAL AWARENESS: A TMS-EROS INVESTIGATION
Tao Chen1,2, Ramisha Knight1,2,3, Evan Center1,2,4, Monica Fabiani1,2, Gabriele Gratton1,2, Diane Beck1,2
1University of Illinois, Urbana-Champaign, 2The Beckman Institute for Advanced Science and Technology, 3Aptima, Inc., 4University of Oulu

POSTER SESSION I-094
THE INFLUENCE OF PRESTIMULUS 1/F-LIKE VS. ALPHA-BAND ACTIVITY ON SUBJECTIVE AWARENESS OF AUDITORY AND VISUAL STIMULI
Emily Cunningham1, Clementine Zimnicki2, Diane Beck1
1University of Illinois, Urbana-Champaign, 2University of Wisconsin, Madison

POSTER SESSION I-095
REDUCED PHYSICAL ACTIVITY AND SLEEP EFFICIENCY AS VULNERABILITY FACTORS FOR DEPRESSION: EVIDENCE FROM WRIST-WORN ACTIGRAPHY
Carola Dell’Acqua, Daniela Palomba, Nicola Cellini, Alessandra Ruggerone, Simone Messerotti Benvenuti
University of Padua
POSTER SESSION I-096
ASSOCIATIONS BETWEEN LONELINESS, HEART RATE VARIABILITY, AND THE ACTIVITY OF THE SOCIAL BRAIN REGIONS
Marcelina Wiśniewska, Aleksandra Piejka, Łukasz Okruszek
Social Neuroscience Lab, Institute of Psychology, Polish Academy of Sciences

POSTER SESSION I-097
INTERPERSONAL VIOLENCE EXPOSURE AND RESTING PARASYMPATHETIC ACTIVITY PREDICT TRAUMA SYMPTOMS IN ADOLESCENT GIRLS
Emily Silver¹, Nicole Kouri², Valerie Simon², Greg Norman¹
¹University of Chicago, ²Wayne State University

POSTER SESSION I-098
CUMULATIVE SOCIODEMOGRAPHIC RISK SCORE ALTERS P300 AMPLITUDE AND BEHAVIORAL MEASURES OF EXECUTIVE FUNCTION IN FEMALES
Ania Pathak, Jason Moser
Michigan State University

POSTER SESSION I-099
LANGUAGE IMPAIRMENT IN CHILDREN WITH AUTISM SPECTRUM DISORDER AND THEIR FIRST-DEGREE RELATIVES RELATED TO GAMMA-BAND NEURAL ACTIVITY IN EEG
Vardan Arutiunian¹, Megha Santhosh¹, Sarah Corrigan¹, Kevin Pelphrey², Shafali Jeste³, Sara Webb¹,⁴
¹Seattle Children’s Research Institute, ²University of Virginia, ³Children’s Hospital of Los Angeles, ⁴University of Washington

POSTER SESSION I-100
REASSESSING THE N400 AS AN INDEX OF LINGUISTIC PREDICTION
Ryan Hubbard¹, Cassandra Jacobs², Kara Federmeier¹
¹University of Illinois, Urbana-Champaign, ²University at Buffalo

POSTER SESSION I-101
SHIFTING EXPECTATIONS IN TIME: EFFECTS OF KNOWLEDGE AND TIMING ON PREDICTIVE PROCESSING DURING WORD-BY-WORD READING USING SELF-PACED ERPs
Melissa Troyer, Kara Federmeier
University of Illinois, Urbana-Champaign

POSTER SESSION I-102
INTERACTION OF ANTICIPATORY AND CONSUMMATORY REWARD PROCESSING IN PREDICTING DEPRESSIVE SYMPTOMATOLOGY
Ty Lees, Lisa Gatzke-Kopp
The Pennsylvania State University

POSTER SESSION I-103
ATTENUATING CONDITIONED FEAR RESPONDING THROUGH DIRECTED FORGETTING
Anastasia Chalkia¹, Michelle Crasko², Tom Beckers¹
¹KU Leuven, ²University of California, Los Angeles

POSTER SESSION I-104
A NOVEL VISUAL LEARNING PARADIGM FOR STUDYING THE NEURAL DYNAMICS OF FEEDBACK PROCESSING IN FREELY MOVING MICE USING A WIRELESS EEG RECORDING SYSTEM
Celina Pütz¹,², Natasha Maurits², Monique Lorist¹, Martien Kas¹
¹University of Groningen, ²University Medical Center Groningen

POSTER SESSION I-105
READING EMOTION IN CONTEXT: ELECTROPHYSIOLOGICAL EVIDENCE REVEALED MODULATION OF EMOTIONAL CONTEXT ON WORD PROCESSING
Szu-Chi Lin¹, Kara Federmeier², Chia-Lin Lee¹
¹National Taiwan University, ²University of Illinois, Urbana-Champaign

LATE-BREAKING POSTER SESSION I-106
EXAMINING AGE-RELATED CHANGES IN KNOWLEDGE USE DURING LANGUAGE COMPREHENSION USING BRAIN ELECTROPHYSIOLOGY
Rachel Myers, Melissa Troyer, Kara Federmeier
University of Illinois, Urbana-Champaign

LATE-BREAKING POSTER SESSION I-107
ARTERIAL STIFFNESS, PRESSURE PULSATILITY, AND COGNITIVE FUNCTION: EXPLORING THE LINK THROUGH BEHAVIORAL OUTCOMES
Shreya Verma, Christopher Kinder, Shivani Sethi, Jeongwoon Kim, Melannie Abreu, Naiman Khan
University of Illinois, Urbana-Champaign
LATE-BREAKING POSTER SESSION I-108
BEHAVIORAL AND NEUROELECTRIC CORRELATES OF VERBAL AND NON-VERBAL WORKING MEMORY IN CLOSE-SKILL AND OPEN-SKILL SPORT PARTICIPANTS
Salim Ibrahim Onbasi, Nicholas Baumgartner, Kyoungmin Noh, Shih-Chun Kao
Purdue University

LATE-BREAKING POSTER SESSION I-109
EVALUATING THE P300 IN A SIMPLE WORKING MEMORY TASK WHICH FOCUSES ON MEMORY UPDATING
Blythe LaGasse, William Gavin, Kaylea Menon, Daniel Morris, Patricia Davies
Colorado State University

LATE-BREAKING POSTER SESSION I-110
THE EFFECT OF ATTRIBUTE FRAMING IN INFORMATION PROCESSING AND DECISION-MAKING WHILE SHOPPING: PRELIMINARY FINDINGS
Harshi Lodha Jain, Laura Swain, Sanela Porca
University of South Carolina, Aiken

LATE-BREAKING POSTER SESSION I-111
TOWARD PRECISE MODULATION OF THE NEURAL MECHANISMS OF ACTIVE COPING: DOES FUNCTIONAL MAGNETIC RESONANCE IMAGING REVEAL DIFFERENT NEUROCIRCUITRIES OF ACTIVE ESCAPE AND ACTIVE AVOIDANCE?
Christopher Sege1, Samantha Laporta1, Cameron Robins1, Collin Wolf1, Thomas Uhde1, Mark George1, Lisa McTeague1,2
1Medical University of South Carolina, 2Ralph H. Johnson VA Medical Center

LATE-BREAKING POSTER SESSION I-112
ACETAMINOPHEN CHANGES MU RHYTHM POWER RELATED TO PAIN EMPATHY
Laura Jelsone-Swain, Sara Anne McCommon, Brooke Turk, Alexandra Roach
University of South Carolina, Aiken

LATE-BREAKING POSTER SESSION I-113
DO PEOPLE ALWAYS WEAR THEIR HEARTS ON THEIR FACES? CONTEXT-DEPENDENT DIFFERENCES IN PHYSIOLOGICAL AND FACIAL EMOTIONALexpression
Ariel Eshel, Stav Bar Maoz, Chen Erez, Ilanit Gordon
Bar Ilan University

LATE-BREAKING POSTER SESSION I-114
NATURE OF SOUND: A PILOT-STUDY ON THE EFFECTS OF LISTENING TO SOUNDSCAPES ON AFFECT, BLOOD PRESSURE, SKIN CONDUCTANCE, AND HEART RATE VARIABILITY
Qiao Sun, Stone Preston, Nathaniel Thom, L. Page Wheaton College

LATE-BREAKING POSTER SESSION I-115
THE PARADOX OF TRUST AND PHYSIOLOGICAL SYNCHRONY: EXAMINING THE RELATIONSHIP WITH A TRUST GAME
Mariska Kret1,2, Ruud Hortensius3, Fabiola Diana1,2
1Leiden University, 2Leiden Institute for Brain and Cognition, 3Utrecht University

LATE-BREAKING POSTER SESSION I-116
EXAMINING THE INTERSECTION BETWEEN CHILDHOOD MALTREATMENT, OSCILLATORY CORRELATES OF THREAT IMMINENCE, AND PSYCHOPATHOLOGY
Galit Karpov, Travis Baker
Rutgers University, Newark

LATE-BREAKING POSTER SESSION I-117
RESTING-STATE PEAK ‘ALPHA’ FREQUENCY IN INFANTS AND TODDLERS: MATURATION AND ASSOCIATIONS WITH ADAPTIVE BEHAVIORS
Marybeth McNamee1, Kylie Mol1, Heather Green1, Guannan Shen1, J. Christopher Edgar1,2, Yuhan Chen1
1Children’s Hospital of Philadelphia, 2University of Pennsylvania

LATE-BREAKING POSTER SESSION I-118
THE RELATIONSHIP OF SELF-COMPASSION AND PSYCHOLOGICAL FLEXIBILITY WITH HEART RATE VARIABILITY IN YOUNG PEOPLE
Husna Hassan Basri, Wui Ling Chu, Vashti Berry, Anke Karl
University of Exeter

LATE-BREAKING POSTER SESSION I-119
I KNEW I DID WELL! EFFECTS OF PERCEPTIONS OF SUCCESS ON NEURAL CORRELATES OF FEEDBACK PROCESSING
Juliana Parma1, Mariane F.B. Bacelar2, Matthew W. Miller3
1San Francisco State University, 2Boise State University, 3Auburn University
TEMPORAL INEQUALITY OF RR INTERVALS LIKE A NEW PSYCHOPHYSIOLOGICAL INDICATOR OF MENTAL STRESS
Miguel Enrique Sanchez Hechavarria

EFFECTS OF SUBCALLOSAL CINGULATE DEEP BRAIN STIMULATION ON HEART RATE VARIABILITY IN PATIENTS WITH TREATMENT RESISTANT DEPRESSION
Jacob Dahill-Fuchel¹, John Allen¹, Elisa Xu², Samantha Pitts³, Jacqueline Overton³, Christopher Rozell⁴, Patricio Riva-Posso³, Helen Mayberg², Allison Waters²
¹University of Arizona, ²Icahn School of Medicine at Mount Sinai

COGNITIVE CONTROL DEFICITS ASSOCIATED WITH EARLY CHILDHOOD TRAUMA
Katharina Paul¹, Andrea Hildebrandt², Corinna Kührt³, Alisha Kuhnke¹, Erik Mueller⁴, Anja Riesel¹, Jan Wacker¹, Sven Mueller⁵,⁶
¹University Hamburg, ²Oldenburg University, ³Technical University Dresden, ⁴Marburg University, ⁵Ghent University, ⁶Neenck Institute

A BLUNTED ERROR-RELATED NEGATIVITY AT ENTRY TO UNIVERSITY PROSPECTIVELY PREDICTS INCREASES IN ALCOHOL CONSUMPTION ACROSS THE FIRST YEAR
Anna Walls, Loran Carpentier, Anna Weinberg
McGill University

IT’S A SMALL WORLD, AFTER ALL: THE GAMBLER’S FALLACY, SLEEP DEPRIVATION, AND SMALL-WORLD FUNCTIONAL CONNECTIVITY
Andrew Armstrong¹, Timothy Murphy¹, Danielle Molnar¹, Natalia Kubishyn², Lacey Sherk¹
¹Brock University, ²Western University

HIERARCHICAL PRE-PROCESSING OF ORTHOGRAPHIC AND SEMANTIC PARAFOVEAL INFORMATION DURING NATURAL READING
Lijuan Wang, Yali Pan, Steven Frisson, Ole Jensen
University of Birmingham

IS THERE A FUNDAMENTAL DIFFERENCE BETWEEN OLDER ADULTS WHO COMPLETE OR FAIL TO COMPLETE A VO2MAX STRESS TEST?
Dema Abdelkarim¹, Benjamin Zimmerman¹,², Neha Gothe¹, Emily Erlenbach¹, Kathy Low¹, Gabriele Gratton¹, Monica Fabiani¹
¹The Beckman Institute for Advanced Science and Technology, University of Illinois, Urbana-Champaign, ²Helfgott Research Institute, National University of Natural Medicine

AGING AND CARDIORESPIRATORY FITNESS EFFECTS ON HIPPOCAMPAL SUBFIELD VOLUMES
Jennie Gardner¹,², Samantha Rubenstein¹,², Kelsey Canada³,⁴, Samaa Saifullah³,⁴, Ana Daugherty³,⁴, Neal Cohen¹,², Bradley Sutton¹,², Gabriele Gratton¹,², Monica Fabiani¹,²
¹Beckman Institute for Advanced Science and Technology, ²University of Illinois, Urbana-Champaign, ³Institute of Gerontology, ⁴Wayne State University

ASSOCIATIONS OF ARTERIAL STIFFNESS AND CARDIAC INDEX WITH WHITE MATTER LESIONS – THE MODERATING ROLE OF SOCIOECONOMIC STATUS
Chin Hong Tan¹, Jacinth Tan²
¹Nanyang Technological University, ²Singapore Management University

SEPARATE ASPECTS OF SOMATOMOTOR CONTROL ARE ASSOCIATED WITH VOLUMES OF DIFFERENT SETS OF BRAIN STRUCTURES
Samantha Rubenstein¹,², Kathy Low¹,², Daniel Bowie¹,², Bradley Sutton¹,², Gabriele Gratton¹,², Monica Fabiani¹,²
¹University of Illinois, Urbana-Champaign, ²The Beckman Institute for Advanced Science and Technology
POSTER SESSION II-005
CORTICAL HYPERACTIVATION RELATED TO DECREASED COGNITIVE PERFORMANCE FOLLOWING CONCUSSION IN OLDER ADULTS
Martine Desjardins1,2, Jean-Marc Lina3, Jean-François Gagnon1, Louis De Beaumont2, Pierre Jolicoeur2,4
1Université du Québec à Montréal, 2Université de Montréal, 3École de Technologie Supérieure, 4Centre de recherche de l’Institut universitaire de gériatrie de Montréal

POSTER SESSION II-006
MANUAL LEARNING: EFFECTIVENESS OF A STRESS DETECTION ALGORITHM TRAINED USING HUMAN VISUALIZATION OF HEART RATE DATA
Robert Klein1,2, Kevin Mazurek3, Kunjoon Byun1,2
1Well Living Lab, 2Delos Living LLC, 3Mayo Clinic

POSTER SESSION II-007
DETECTING AUDITORY TEMPORAL REGULARITIES: ELECTROPHYSIOLOGICAL INDEX OF TRACKING AND IDENTIFICATION OF DISAMBIGUATING INFORMATION
Amour Simal1,2, Robert Zatorre2,3,4, Pierre Jolicoeur1,2
1University of Montreal, 2International Laboratory for Brain, Music and Sound Research, 3Montreal Neurological Institute, 4McGill University

POSTER SESSION II-008
DIFFERENCES IN ACTIVATION PATTERNS OF THE ANTERIOR INSULA BETWEEN SWITCHING AND FEEDBACK STIMULI WITH REWARD INFORMATION
Yasunori Kotani1, Nobukiyo Yoshida2, Yoshimi Ohgami3, Hiroyuki Akai3, Akira Kunimitsu4, Shigeru Kiryu4, Yusuke Inoue3
1Tokyo Institute of Technology, 2Niigata University of Health and Welfare, 3The University of Tokyo, 4International University of Health and Welfare, 5Kitasato University

POSTER SESSION II-009
AN EVENT-RELATED POTENTIAL EXAMINATION OF THE EMOTION ATTENTION BLINK TASK
Kyle O’Brien, Joseph Mathew, Bridget Kennedy, Priscillia Ihionkhan, Jacob Avendano, Joseph Coleman, Konan Guo, Nicholas Sims-Rhodes, Harrison Boynton, Jacob Brooks, Kyla Kiser, Erin Hulsman, Christian Lopez, Shanleigh Curry, Cameron Hicks, Lutaviour Boone, Skyla Weeks, Sarah Sass
The University of Texas, Tyler

POSTER SESSION II-010
REAR BIAS IN SPATIAL AUDITORY PERCEPTION: PHYSIOLOGICAL REACTION TO SOUNDS OCCURRING OUTSIDE THE VISUAL FIELD
Natalia Frankowska, Michal Olszanowski, Aleksandra Tolopilo
SWPS University

POSTER SESSION II-011
ACUTE AEROBIC EXERCISE BENEFITS ALLOCATION OF NEURAL RESOURCES RELATED TO SELECTIVE ATTENTION: MAGNETOENCEPHALOGRAPHIC EVIDENCE
Tomasz Ligeza1, Marie Vens2, Thea Bluemer2, Markus Junghofer2
1Jagiellonian University, 2University of Muenster

POSTER SESSION II-013
VOLITIONAL SIGHING AND RESONANCE BREATHING ALTER CARIORESPIRATORY PHASE
Neel Muzumdar, Samuel Zhang, Kelsey Piersol, Jennifer Buckman
Rutgers University

POSTER SESSION II-014
ARE YOU, MY TYPE? A META-ANALYTIC REVIEW OF THE IMPACT OF TASK TYPE ON THE RELATION BETWEEN ANXIETY AND THE N200
Morgan Middlebrooks, Matt Judah, Hannah Hamrick, Russell Mach, Wesley Vaught, Grant Shields
University of Arkansas

POSTER SESSION II-015
P3A AMPLITUDE PREDICTS CUE-SPECIFIC EXPLORATION IN HAZARDOUS DRINKERS
Garima Singh1, Ethan Campbell1, Katie Witkiewitz1, Jeremy Hogeven1, Eric Claus2, Vincent Costa3, James Cavanagh1
1University of New Mexico, 2The Mind Research Network, 3Division of Neuroscience, Oregon National Primate Research Center

POSTER SESSION II-016
THE RELIABILITY OF COMMON BEHAVIORAL AND ELECTROPHYSIOLOGICAL MEASURES ASSOCIATED WITH STOP-SIGNAL TASK PERFORMANCE
Christina Thunberg, Thea Wiker, Carsten Bundt, Rene Huster
University of Oslo
POSTER SESSION II-017
ALEXITHYMIA PREDICTS RESPONSE INHIBITION-RELATED FRONTAL THETA POWER IN HEALTHY ELDERS
Mary Polking, Elizabeth Paitel, Sarah Evans, Christian Otteman, Erik O’Reilly, Kristy Nielson
Marquette University

POSTER SESSION II-018
REPLICATING THE EFFECTS OF TEST ANXIETY ON COGNITIVE CONTROL: AN ERP STUDY
Rochely Negron-Martinez, Aminda O’Hare
Weber State University

POSTER SESSION II-019
FRONTAL LOBE CONNECTIVITY DURING RESPONSE INHIBITION SHOWS AGE-RELATED VULNERABILITY DUE TO ALEXITHYMIA, ESPECIALLY IN WOMEN
Christian Otteman, Elizabeth Paitel, Mary Polking, Erik O’Reilly, Kristy Nielson
Marquette University

POSTER SESSION II-020
EXPECTING A SECOND TASK CAUSES REDUCED ERROR-RELATED BRAIN ACTIVITY IN DUAL-TASKING
Peter Löschner, Robert Steinhauser, Marco Steinhauser
Catholic University of Eichstätt-Ingolstadt

POSTER SESSION II-021
LONGITUDINAL TRAJECTORIES OF THE LATE POSITIVE POTENTIAL FROM CHILDHOOD TO YOUNG ADULTHOOD
Nathan Hager¹,², Elise Cummings¹, Aline Szenczy¹, Brady Nelson¹, Greg Hajcak⁴
¹Stony Brook University, ²Old Dominion University, ³Virginia Consortium Program in Clinical Psychology, ⁴Florida State University

POSTER SESSION II-022
NEURAL CORRELATES OF AFFECTIVE INHIBITION IN REJECTION SENSITIVITY ACROSS SOCIAL AND ASOCIAL CONTEXTS
Rachel Gaynor, Brad Buchanan, Sofia Laporte, Geoffrey Potts
University of South Florida

POSTER SESSION II-023
MEASURING IMPLICIT EVALUATION OF FOOD USING THE CONCEALMENT INFORMATION TEST
Asuka Miyahara¹, Hana Muto¹, Kiyomitsu Niioka¹, Takayuki Yamamoto², Moe Arai², Ryo Tanaka², Rieko Fuji², Satoko Ishiguro², Hitomi Tsuchiya², Masato Kawamoto², Ippeita Dan¹
¹Chuo University, ²R&D Institute, Morinaga & Co., Ltd.

POSTER SESSION II-024
CONCURRENT WORKING MEMORY LOAD MODULATES THE CARDIAC TIMING EFFECT ON CHOICE REACTION TIME
Xiao Yang, Alexa Quesnel, Katie Heberlein, Kasie De Jesus, Anthony Reid
Old Dominion University

POSTER SESSION II-025
FACE PROCESSING AND THE EXPRESSION OF RACE BIAS: EFFECTS OF BETWEEN-AND WITHIN-PERSON VARIABILITY IN MOTIVATION TO ENGAGE CONTROL
Paul Brancaleone¹, Roberto Cofresi¹, Hannah Volpert-Esmond², David Amodio³, Tiffany Ito⁴, Bruce Bartholow¹
¹University of Missouri, ²University of Texas, El Paso, ³University of Amsterdam, ⁴University of Colorado, Boulder

POSTER SESSION II-026
EXAMINATION OF THE N2 EVENT-RELATED POTENTIAL DURING A FLANKER TASK IN AN ADULT INPATIENT PSYCHIATRIC SAMPLE AND ITS RELATIONSHIP TO ANHEDONIA: FEASIBILITY AND PRELIMINARY FINDINGS
Timothy McDermott¹,²,³, Mario Bogdanov¹,², Jozi Tatham¹, Allynna-London Howell¹, Abdirahman Osman¹, Shafi Rubbani¹, Carmen Irujo¹, Joann Chen¹, Samantha Linton¹,², Antonia Seligowski¹,², Kerry Ressler¹,², Diego Pizzagalli¹,²
¹McLean Hospital, ²Harvard Medical School, ³Emory University
POSTER SESSION II-027
RECONSIDERING THE FRONTAL HYPO-ACTIVITY HYPOTHESIS: INHIBITION-RELATED NEURAL ACTIVITY IN (POLY-)SUBSTANCE USERS PREDICTS SUBSTANCE-RELATED PROBLEMS BEYOND THE DEGREE OF SUBSTANCE USE.
Malin Hildebrandt, Kristina Schwarz, Raoul Dieterich, Tanja Endrass
Technical University Dresden

POSTER SESSION II-028
TASK MODERATES RELATIONSHIP BETWEEN N2 CONFLICT MONITORING, WORRY, AND ANHEDONIA
John Shuford¹, Stephanie Krzypkowski¹, Kevin Olpin², Cassandra Smith¹, Sanikaa Thakurdesai¹, Anna Wheeler², Scott Baldwin², Michael Larson², Peter Clayson¹
¹University of South Florida, ²Brigham Young University

POSTER SESSION II-029
WORKING MEMORY LOAD REDUCES ERROR-PROCESSING: AN ERP STUDY
Brandon Watanabe¹, Elizabeth Bauer¹, Annmarie MacNamara¹, ²³
¹Texas A&M University, ²Texas A&M Institute for Neuroscience

POSTER SESSION II-030
IS NEUROCOGNITIVE FUNCTION RELATED TO CARDIORESPIRATORY FITNESS AND AIR POLLUTION? - RESULTS FROM THE 4HAIE STUDY
Vera Jandackova, Daniel Jandacka, Lukas Cipryan, Steriani Elavsky
University of Ostrava, Ostrava, Czech Republic

POSTER SESSION II-031
EXCITATORY STIMULATION OF THE VENTROMEDIAL PREFRONTAL CORTEX REDUCES COGNITIVE BIASES IN A GAMBLING TASK
Thomas Kroker¹, Miroslaw Wyczesany², Maimu Rehbein¹, Kati Roesmann³, Ida Wessing⁴, Anja Wiegand¹, Jens Bölte¹, Markus Junghöfer¹
¹University of Münster, ²Jagellonian University of Krakow, ³University of Siegen, ⁴University Clinic of Münster

POSTER SESSION II-032
DIFFERENTIATING RISK FROM REWARD MOTIVATION IN DECISION MAKING
Xinyi Deng, Marlen Gonzalez
Cornell University

POSTER SESSION II-033
PAIN NOW! EXPLORING THE RELATIONSHIP BETWEEN PAIN AND INTER-TEMPORAL CHOICES
Taryn Berman, Mathieu Roy
McGill University

POSTER SESSION II-034
POSTTRAUMATIC STRESS DISORDER AND HISTORY OF CHILD SEXUAL ABUSE: BLUNTED RESPONSE OF MIDCINGULATE CORTEX TO AVERSIVE PICTURES
Fatima Erthal¹, Aline Bastos¹, Aline Cardoso¹, Mariana Teixeira¹, Leticia Oliveira², Mirtes Pereira², Eliane Volchan¹
¹Federal University of Rio de Janeiro, ²Fluminense Federal University

POSTER SESSION II-035
PREDICTION OF EMOTIONAL STATES BY BODY ACTIVITY WITH MACHINE LEARNING
Roydon Goldsack, W. Bastiaan Kleijn, Hedwig Eisenbarth
Victoria University of Wellington

POSTER SESSION II-036
ASSOCIATION BETWEEN THETA PHASE SYNCHRONY DURING A CORTICAL PLASTICITY PARADIGM AND VISUAL PERCEPTUAL LEARNING
Holly Hamilton¹,², Renée Dembo¹,², Cassandra Marzke¹,², Spero Nicholas¹,², Brian Roach¹,², Judith Ford¹,², Daniel Mathalon¹,²
¹University of California, San Francisco, ²San Francisco VA Health Care System

POSTER SESSION II-037
EMOTIONAL FLOW FIRE UP EMBODIED PROCESSING AND RESPONSES TO COVID-19 VACCINE NARRATIVE PSA AMONG GEN Z
Yen-I Lee, Di Mu, Paul Bolls
Washington State University
POSTER SESSION II-038
BUILDING AND EVALUATING AN AI GENERATED, STANDARDIZED AFFECTIVE PICTURE DATASET
Faith Gilbert, Ethan Smith, Hannah Engle, Laura Ahumada Hernandez, Arash Mirifar, Christian Panitz, Jourdan Pouliot, Caitlin Traiser, Mingzhou Ding, Ruogu Fang, Andreas Keil
University of Florida

POSTER SESSION II-039
DEPRESSION, RESTING PARASYMPATHETIC ACTIVITY, AND EVALUATIVE RESPONSES
Elizabeth Gaillard¹, Karen Smith², Anita Restrepo³, Zihua Ye⁴, Greg Norman³, Kelly Faig¹
¹Hamilton College, ²Rutgers University, Newark, ³University of Chicago, ⁴University of Illinois, Urbana-Champaign

POSTER SESSION II-040
ASSOCIATIONS OF EMOTION REGULATION DIFFICULTIES WITH CARDIAC AUTONOMIC BALANCE AND REGULATION
Cameron Wiley, Vida Pourmand, Hugo Hernandez, Julian Thayer, DeWayne Williams
University of California, Irvine

POSTER SESSION II-041
HEART RATE VARIABILITY PREDICTS MEAN AND VARIABILITY METRICS OF EMOTION BUT NOT COGNITION
Jared McGinley, Alice Klein, Blaire Weidler
Towson University

POSTER SESSION II-042
STRESS IS CONTAGIOUS: BEING IN THE SAME ROOM WITH OTHERS IN DISTRESS, IS ENOUGH TO TRIGGER A CARDIAC STRESS RESPONSE
Antonio Maffei, Elena Scarpa, Elisabetta Patron, Paola Sessa
University of Padova

POSTER SESSION II-043
DEVELOPMENTAL TRAJECTORIES OF EMOTION REACTIVITY: INSIGHTS FROM EVENT-RELATED POTENTIALS AND LATENT GROWTH CURVE ANALYSIS
Alison Calentino¹, Lindsay Dickey², Ellen Kessel¹, Autumn Kujawa², Daniel Klein¹
¹Stony Brook University, ²Vanderbilt University

POSTER SESSION II-044
STIMULATION OF THE VENTROMEDIAL CORTEX REVEALS CHANGES IN CONNECTIVITY DURING EMOTIONAL FACE PROCESSING
Miroslaw Wyczesany¹, Anna Lesniewska¹, Patrycja Kalamała Ligęza¹,², Constantin Winker³, Maimu Rehbein³, Thomas Kroker³, Markus Junghöfer³
¹Jagiellonian University, ²University of Illinois, Urbana-Champaign, ³University of Münster

POSTER SESSION II-045
INTERGENERATIONAL TRANSMISSION OF NEURAL RESPONSE TO EMOTIONAL PICTURES
Simon Morand-Beaulieu¹, Juhyun Park¹, Aislinn Sandre², Clara Freeman¹, Anna Weinberg¹
¹McGill University, ²Columbia University

POSTER SESSION II-046
SOCIAL OSTRACISM DECREASES NEURAL SENSITIVITY TO MONETARY REWARDS
Roslyn Harold, Kimberly Galvez-Ortega, Skye Napolitano, Dan Foti
Purdue University

POSTER SESSION II-047
EXPLORING THE RELATIONSHIP BETWEEN PHYSIOLOGICAL AND BEHAVIORAL INDICATORS AND MOOD OF WORKERS BY FIELD MEASUREMENTS
Mayu Dohata¹, Yoshiko Yabe², Kimitaka Nakazawa¹
¹The university of Tokyo, ²National Institutes for Quantum and Radiological Science and Technology

POSTER SESSION II-049
ASSOCIATIONS BETWEEN DAILY PHYSICAL ACTIVITY AND COGNITIVE FUNCTIONING: EVIDENCE FROM STIMULUS- AND RESPONSE-LOCKED EVENT RELATED POTENTIALS
Nicholas Santopetro, Matthew Fantini, Elaina Kokinakos, Elijah Toomey, Jessica Simon, Greg Hajcak
Florida State University

POSTER SESSION II-050
THE REWARD POSITIVITY TO SOCIAL FEEDBACK MODERATES THE RELATIONSHIP BETWEEN DAILY SOCIAL INTERACTIONS AND POSITIVE AFFECT DURING ADOLESCENCE
Aline Szenczy¹, Elise Cummings¹, Greg Hajcak², Brady Nelson¹
¹Stony Brook University, ²Florida State University
POSTER SESSION II-051
DEPRESSIVE AND HYPOMANIC SYMPTOMS ARE NOT ASSOCIATED WITH THE REWARD POSITIVITY IN A SAMPLE OF MIDDLE-AGED ADULTS
Grace Anderson, Brianna Lind, C. Durbin, Jason Moser
Michigan State University

POSTER SESSION II-052
INVESTIGATING THE (IN)STABILITY OF RESTING BASELINE MEASURES OF CARDIAC ACTIVITY
Tess Reid, Alexandra MacVittie, Kaitlyn McMullen, Kristen Petagna, Jolie Wormwood
University of New Hampshire

POSTER SESSION II-053
NON-SUICIDAL SELF-INJURY AND FRONTAL ALPHA ASYMMETRY IN CHILDREN
Pooja Shankar, Brandon Gibb
Binghamton University

POSTER SESSION II-054
EXAMINING PHYSIOLOGICAL SYNCHRONY IN PARENT-CHILD DYADS DURING COVIEWING OF EDUCATIONAL CONTENT
Emily Bohaty¹, Willow Sauermilch², Christina Najera³, Eric Rasmussen¹, Justin Keene¹
¹Texas Tech University, ²Louisiana State University, ³University of Tennessee, Knoxville

POSTER SESSION II-055
SKIN CAROTENOIDS AND MISMATCH NEGATIVITY IN TODDLERS
Laura Rosok¹, Lexi Fifield¹, Rhea Sarma¹, Shelby Keye¹, Anne Walk², Naiman Khan¹
¹University of Illinois, Urbana-Champaign, ²Eastern Illinois University

POSTER SESSION II-056
MOTHER-INFANT RSA SYNCHRONY BUFFERS AGAINST THE ADVERSE EFFECTS OF POSTPARTUM DEPRESSIVE SYMPTOMS ON INFANT BEHAVIOR PROBLEMS
Jennifer Somers¹, Linda Luecken²
¹University of California, Los Angeles, ²Arizona State University

POSTER SESSION II-057
EFFECTS OF BRAIN STIMULATION BY SPECIFIC DELTA AND THETA FREQUENCIES PRODUCED BY A MAGNETIC FIELD EMITTING THERAPEUTICAL DEVICE
Diana Henz
Stiftung für Gesundheit und Umwelt

POSTER SESSION II-058
DOES STRESS PRIOR FEAR ACQUISITION IMPACT FEAR EXTINCTION OR THE SPONTANEOUS RECOVERY OF FEAR MEMORIES?
Marta Andreatt¹,²,³, Christopher Klinke², Maren Lange⁴, Dominik Fiedler⁴
¹Erasmus University Rotterdam, ²University of Würzburg, ³University Hospital Tübingen, ⁴University of Münster

POSTER SESSION II-059
THE ROLE OF LOVED FAMILIAR FACES IN EXTINCTION LEARNING: A CLASSICAL CONDITIONING STUDY
Pedro Guerra¹, Urtsule Peña¹, Florian Bublatzky², Ottmar Lipp³
¹University of Granada, Spain, ²Central Institute of Mental Health, Germany, ³Queensland University of Technology, Australia

POSTER SESSION II-060
ACUTE STRESS AFTER HEARTBEAT PERCEPTION TRAINING INCREASES INTEROCEPTIVE ACCURACY IN THE HEARTBEAT COUNTING TASK, BUT NOT IN THE HEARTBEAT DISCRIMINATION TASK
Ruta Mueller¹, Claus Voegele¹, Ilse van Diest², Madeleine Le¹, Pauline Bis¹, André Schulz¹
¹University of Luxembourg, ²KU Leuven

POSTER SESSION II-061
NEURAL SIGNATURES OF CONTINGENCY AWARENESS
Yuri Pavlov¹, Nick Menger¹, Andreas Keil², Boris Kotchoubey¹
¹University of Tuebingen, ²University of Florida

POSTER SESSION II-062
ADAPTIVE MODULATION OF WORKING MEMORY LOAD BY REDUNDANCY
Eva-Maria Hartmann, Marco Steinhauser
Catholic University of Eichstaett-Ingolstadt
POSTER SESSION II-063
EFFECTS OF VISUAL AND VERBAL PRESENTATION, AMBIENT LIGHTING, AND FONT COLOR ON PUPIL SIZE DURING PERFORMANCE OF A WORKING MEMORY TASK
Yuri Pavlov\textsuperscript{1}, Dmitry Tarasov\textsuperscript{2}, Alexander Kotyusov\textsuperscript{2}, Alexandra Kosachenko\textsuperscript{2}
\textsuperscript{1}University of Tuebingen, \textsuperscript{2}Ural Federal University

POSTER SESSION II-064
P3 EVENT-RELATED POTENTIAL RESPONSE TO ALCOHOL CUES FORECASTS REAL-WORLD ALCOHOL USE BEHAVIOR BY EMERGING ADULT DRINKERS
Roberto Cofresi\textsuperscript{1}, Casey Kohen\textsuperscript{1}, Thomas Piasecki\textsuperscript{2}, Bruce Bartholow\textsuperscript{1}
\textsuperscript{1}University of Missouri, Columbia, \textsuperscript{2}University of Wisconsin, Madison

POSTER SESSION II-065
NOVEL VIDEOGAME TASK FOR EXAMING REWARD PROCESSING: EVALUATING EVENT-RELATED POTENTIALS
Elijah Nieman, Jon Barch, Joshua Carlson
Northern Michigan University

POSTER SESSION II-066
THE ROLE OF CONDITIONED CUES IN THE PROBLEMATIC USE OF SOCIAL MEDIA: A PSYCHOPHYSIOLOGICAL INVESTIGATION
Tania Moretta, Giulia Buodo
University of Padova

POSTER SESSION II-067
CAN FLOW BE THE PRODUCT OF COACTIVATION IN THE APPETITIVE AND AVERSIVE SYSTEM?
Justin Keene\textsuperscript{1}, Christina Najera\textsuperscript{2}, Richard Huskey\textsuperscript{3}, Shelby Wilcox\textsuperscript{4}, Emily Bohaty\textsuperscript{1}, Willow Sauermilch\textsuperscript{5}
\textsuperscript{1}Texas Tech University, \textsuperscript{2}University of Tennessee, Knoxville, \textsuperscript{3}University of California, Davis, \textsuperscript{4}Michigan State University, \textsuperscript{5}Louisiana State University

POSTER SESSION II-068
THE IMPACT OF TRAUMATIC BRAIN INJURY ON SLEEP, BRAIN, AND COGNITION IN OLDER ADULTS
Emma Tinney, Charles Hillman, Timothy Morris
Northeastern University

POSTER SESSION II-069
EFFECTS OF MULTIPLE SCLEROSIS EXTEND TO INTRA-INDIVIDUAL VARIABILITY IN THE P3 ERP COMPONENT
Shelby Martell\textsuperscript{1}, Jeongwoon Kim\textsuperscript{1}, Shelby Keye\textsuperscript{1}, Anne Walk\textsuperscript{2}, John Erdman Jr.\textsuperscript{1}, Brynn Adamson\textsuperscript{3}, Robert Motl\textsuperscript{4}, Naiman Khan\textsuperscript{1}
\textsuperscript{1}University of Illinois, Urbana-Champaign, \textsuperscript{2}Eastern Illinois University, \textsuperscript{3}University of Colorado, Colorado Springs, \textsuperscript{4}University of Illinois, Chicago

POSTER SESSION II-070
PHYSPREP: PHYSIOLOGICAL DATA PREPARATION WORKFLOW ADAPTED FOR MR SETTINGS
Marie-Eve Picard\textsuperscript{1,2}, François Lespinasse\textsuperscript{1,2}, Mary Miedema\textsuperscript{3}, Jen-I Chen\textsuperscript{1,2}, Basile Pinsard\textsuperscript{2}, Julie Boyle\textsuperscript{2}, Pierre Bellec\textsuperscript{1,2}, Pierre Rainville\textsuperscript{1,2}
\textsuperscript{1}University of Montreal, \textsuperscript{2}Centre de recherche de l’institut universitaire de Montréal, \textsuperscript{3}McGill University

POSTER SESSION II-071
PARTICIPANT DIVERSITY FROM 2010-2020 IN PSYCHOPHYSIOLOGY
Heather Kissel\textsuperscript{1}, Bruce Friedman\textsuperscript{2}
\textsuperscript{1}Northern Kentucky University, \textsuperscript{2}Virginia Tech

POSTER SESSION II-072
BRIEF PULSES OF TRANSCUTANEOUS AURICULAR VAGUS NERVE STIMULATION INDUCE PUPILLARY MARKERS OF PHASIC NORADRENERGIC ACTIVITY
Lina Skora\textsuperscript{1,2}, Anna Marzcova\textsuperscript{1}, Gerhard Jocham\textsuperscript{1}
\textsuperscript{1}Heinrich Heine University Düsseldorf, \textsuperscript{2}University of Sussex

POSTER SESSION II-073
EXPLORATION OF IMPROVEMENT IN THE HEARTBEAT COUNTING TASK: EVALUATION OF TASK PERFORMANCE BY SIMULATION
Kazushi Shinagawa\textsuperscript{1}, Mai Sakuragi\textsuperscript{2}, Naoki Ishikawa\textsuperscript{2}, Yuri Terasawa\textsuperscript{2}, Satoshi Umeda\textsuperscript{1,2}
\textsuperscript{1}Keio University Global Research Institute, \textsuperscript{2}Department of Psychology, Keio University

POSTER SESSION II-074
COMBINING STANDARD PREPROCESSING TECHNIQUES WITH AUTOMATIC PIPELINES FOR LARGE-SCALE EEG DATA ANALYSIS
Mathew Hammerstrom, Katherine Boere, Olave Krigolson
University of Victoria
POSTER SESSION II-075
DOES THE HUNGER HORMONE GHRELIN INFLUENCE THE BRAIN’S RESPONSE TO PAIN?
Daniela M. Pfabigan¹,², Uta Sailer²
¹University of Bergen, ²University of Oslo

POSTER SESSION II-076
P3A, P3B, AND N2 CORRELATE WITH SENSATION SEEKING
Laura Billings, Amy Guerrero, Edgar Villarreal, Paola Campos-Luis, Erlin Rodriguez, Jeffery Sable
Christian Brothers University

POSTER SESSION II-077
ANTISACCADE PERFORMANCE IN SPIDER PHOBIA AND ITS ASSOCIATION WITH MULTIMODAL CORRELATES OF FEAR
Fabian Breuer¹, Anne Hildebrand², Johannes Finke², Leandra Bucher², Udo Dannlowski¹, Tim Klucken², Kati Roesmann², Elisabeth Leehr¹
¹University of Münster, ²University of Siegen

POSTER SESSION II-078
THE PERCEPTION-FILTER MODEL: PATIENTS WITH SOMATOFORM DISORDERS AND MAJOR DEPRESSIVE DISORDER SHOW STRONGER CARDIAC SIGNALS, BUT NORMAL FILTER FUNCTION AND CARDIAC PERCEPTION
André Schulz¹, Angelika Dierolf¹, Annika Lutz¹, Ulrich Voderholzer², Stefan Koch², Michael Bach³, Carina Asenstorfer¹, Gilles Michaux², Vera-Christina Mertens¹, Claus Vögele¹
¹University of Luxembourg, ²Schoen Clinic Roseneck, ³Practice for Psychotherapy and Stress Medicine, ²Salzkammergut Clinic, ³Hôpitaux Robert Schuman

POSTER SESSION II-079
THE RELATIONSHIP BETWEEN POST-ERROR SLOWING, SKIN CONDUCTANCE RESPONSE, AND POST-ERROR ACCURACY IN HEALTHY INDIVIDUALS AND PATIENTS WITH OCD
Luisa Balzus¹,², Norbert Kathmann¹, Julia Klawohn¹,²
¹Humboldt-Universität zu Berlin, ²MSB Medical School Berlin

POSTER SESSION II-080
REDUCED VARIABILITY OF SMALL WORLD PROPENSITY IN SCHIZOPHRENIA: EEG TASK ANALYSIS AND SYMPTOM PREDICTION
Michelle Jetha¹, Bryn Crandles², Louis Schmidt³, Sidney Segalowitz⁴, William Marshall⁴
¹Cape Breton University, ²University of Waterloo, ³McMaster University, ⁴Brock University

POSTER SESSION II-081
DECREASED GLOBAL BUT NOT LOCAL NEURAL RESPONSE TO REWARD RELATES TO INCREASED DEPRESSIVE SYMPTOM SEVERITY IN YOUNG CHILDREN
Armen Bagdasarov¹, Nicolas Camacho¹, Denis Brunet²,³, Christoph Michel²,³, Michael Gaffrey¹
¹Duke University, ²University of Geneva, ³Center for Biomedical Imaging

POSTER SESSION II-082
REDUCED VARIABILITY IN THE ERN RESPONSE PREDICTS GREATER EXTERNALIZING PSYCHOPATHOLOGY AND TRAITS
Danielle Jones¹,², Keanan Joyner², Christopher Patrick¹
¹Florida State University, ²University of California, Berkeley

POSTER SESSION II-083
THE REWARD POSITIVITY TO MONETARY AND FOOD REWARDS BEFORE AND AFTER AN ACUTE REAL-WORLD STRESSOR
Helena Renault, Loran Carpentier, Seonwoo Hong, Corinne Sejourne, Anna Weinberg
McGill University

POSTER SESSION II-084
RELATIONSHIP BETWEEN ERROR-RELATED NEGATIVITY AND INTERNALIZING-EXTERNALIZING SYMPTOMS: A STRUCTURAL EQUATION MODELING APPROACH
Bohyun Park¹, Alejandra Carcamo¹, Steven Tsang¹, Tanner Jensen², Kevin Wu², Scott Baldwin², Michael Larson², Peter Clayson¹
¹University of South Florida, ²Brigham Young University
POSTER SESSION II-085
THE POTENTIAL FOR SUSTAINED MODULATION OF P50 GATING IN FIRST-EPIEDE SCHIZOPHRENIA
Emily Martinez¹, Kaia Sargent¹, Anika Guha², Morgan Bartholomew³,⁴, Alexandra Reed⁵, Caroline Diehl¹, Logan Andrews¹, Jessica Thoma⁶, Kenneth Subotnik¹, Joseph Ventura¹, Gregory A. Miller¹, Keith Nuechterlein¹, Cindy Yee¹
¹University of California, Los Angeles, ²University of Colorado School of Medicine, ³San Francisco VA Health Care System, ⁴University of California, San Francisco, ⁵Valley Medical Group, ⁶Pepperdine University

POSTER SESSION II-086
HIGH LEVELS OF DISPERSION IN PREADOLESCENT GIRLS’ RESPIRATORY SINUS ARRHYTHMIA DURING PARENT-DAUGHTER DISCUSSIONS: A NOVEL TRANSDIAGNOSTIC BIOMARKER
Jennifer Somers, Elena Cannova, Steve Lee
University of California, Los Angeles

POSTER SESSION II-087
RESTING HEART RATE VARIABILITY IS INDIRECTLY ASSOCIATED WITH ANXIETY SYMPTOMS THROUGH ANXIETY SENSITIVITY AND PERCEIVED STRESS
Catherine Scales, Russell Mach, Hannah Hamrick, Yodalys Quiros, Matt Judah
University of Arkansas

POSTER SESSION II-088
NOVEL PARAMETERIZATION OF EVENT-RELATED POTENTIALS: A STEP TOWARDS CHARACTERIZING THE BIOPHYSICAL ORIGINS
Dillan Elise Cellier¹, Eena Kosik¹, Michael Preston¹, Parsa Seyfourian²,³, Leslie Claar², Lydia Marks², Irene Rembado², Bradley Voytek¹
¹University of California, San Diego, ²MindScope Program, Allen Brain Institute, ³University of British Columbia

POSTER SESSION II-089
EXPERTISE IN THE DETECTION OF DECEPTIVE ACTIONS: AN ERP STUDY ON FOOTBALL
Lin Yu¹, Marusha Knarr¹, Thomas Schack¹, Dirk Koester²
¹Bielefeld University, ²BSP Business and Law School

POSTER SESSION II-090
VIOLATING INTERNALIZED RULES AFFECTS PREDICTION PROCESSES IN MUSICIANS
Thomas Hartmann¹, Nathan Weisz¹,²
¹University of Salzburg, ²Paracelsus Medical University

POSTER SESSION II-091
THE RELATIONSHIP BETWEEN HEART RATE VARIABILITY AND SYMPTOM PERCEPTION
Marta Walentynowicz¹, Julian Thayer², Filip Raes¹, Omer Van den Bergh¹
¹KU Leuven, ²University of California, Irvine

POSTER SESSION II-092
EXPLORING THE ASSOCIATION BETWEEN INTEROCEPTIVE FEATURES AND CARDIAC VAGAL ACTIVITY
Matteo Giraldo, Carola Dell’Acqua, Elisabetta Patron
University of Padova

POSTER SESSION II-093
UNPREDICTABLE AUDITORY LATERALIZATION CHANGE ENHANCES SLOW POTENTIALS AT THE AUDITORY MIDDLE LATENCY RESPONSE RANGE
Kazunari Ikeda
Tokyo Gakugei University

POSTER SESSION II-094
THE LONELY MIND: INVESTIGATING HOW LONELINESS IMPACTS THE NEURAL MECHANISMS OF COGNITIVE REAPPRAISAL IN YOUNG ADULTS
Marta Chrustowicz, Szymon Mąka, Łukasz Okruszek
Social Neuroscience Lab, Institute of Psychology, Polish Academy of Sciences

POSTER SESSION II-095
PREDICTING THE PERPETRATOR OF UNFAIR TREATMENT: A SOCIAL-HEALTH PSYCHOPHYSIOLOGICAL PERSPECTIVE
DeWayne Williams, Arianna Contestable
University of California, Irvine
POSTER SESSION II-096
RESTING PARASYMPATHETIC ACTIVITY, LONELINESS AND SOCIAL APPROACH BEHAVIORS
Anita Restrepo¹, Alexander Henoch², Kelly Faig³, Greg Norman¹, Karen Smith²
¹University of Chicago, ²Rutgers University, Newark, ³Hamilton College

POSTER SESSION II-097
SIMILAR PROCESSING OF OBSERVED ERRORS IN INTERACTION WITH HUMAN AND ARTIFICIAL AGENTS
Bence Neszmélyi¹, Roland Pfister¹,²
¹University of Würzburg, ²University of Trier

POSTER SESSION II-098
PERSONALIZED TRANSCRANIAL ALTERNATING CURRENT STIMULATION OVER SUPPLEMENTARY MOTOR AREA IMPROVES SPEECH MOTOR CONTROL IN NEUROTYPICAL ADULTS
Fatemeh Tabari¹, Joel I. Berger², Karim Johari¹
¹Human Neurophysiology and Neuromodulation Lab, Department of Communication Sciences & Disorders, Louisiana State University, ²Human Brain Research Laboratory, Department of Neurosurgery, University of Iowa Hospital and Clinic

POSTER SESSION II-099
DID YOU SAY BRAIN OR BRAVE? AN ERP INVESTIGATION OF THE TIME COURSE OF FALSE HEARING
Jack Silcox, Karen Bennett, Brennan Payne
University of Utah

POSTER SESSION II-101
EXPLORING THE ROLE OF POST-ERROR PROCESSING IN SOCIAL ANXIETY ACROSS DEVELOPMENT
Olivia Stibolt, Fabian Soto, Jeremy Pettit, George Buzzell
Florida International University

POSTER SESSION II-102
EMOTIONAL RESPONDING TO LOSS: DISTINCTIONS BETWEEN EUROPEAN AMERICANS AND CHINESE AMERICANS
Lily Seah, Bruce Friedman
Virginia Polytechnic Institute and State University

LATE-BREAKING POSTER SESSION II-103
THE RELATIONSHIP BETWEEN EUDAIMONIC WELL-BEING AND HEART RATE VARIABILITY
Yoshino Murakami¹, Yuuki I. Wayan¹, Kaito Hashimoto¹, Teppei Matsumura¹, Daisuke Goto¹, Hayato Tsukamoto¹,², Takeshi Hashimoto¹
¹Ritsumeikan University, ²Waseda University

LATE-BREAKING POSTER SESSION II-104
DOES SOCIAL SUPPORT IN AMERICAN INDIANS INFLUENCE N2 AND P3A EVENT-RELATED POTENTIALS (ERP) TO STOP SIGNAL PROCESSING?
Ricardo Wilhelm, Breanna McNaughton, Mara Demuth, Danielle Bethel, Lizbeth Rojas, Nicole Baughman, Eric Mann, Robin Aupperle, Martin Paulus, Jennifer Stewart, Evan White
Laureate Institute for Brain Research (LIBR)

LATE-BREAKING POSTER SESSION II-105
SEDENTARY TIME IS RELATED TO DECREMENTS IN RESPONSE INHIBITION: AN ACCELEROMETRY AND ERP STUDY
Bryan Montero-Herrera, Dominika Pindus, Nicholas Burd, Naiman Khan
University of Illinois, Urbana-Champaign

LATE-BREAKING POSTER SESSION II-106
FRONTAL MIDLINE THETA IS SENSITIVE TO EMOTION SPECIFICITY
Nathan Chabin, Darin Brown
Pitzer College

LATE-BREAKING POSTER SESSION II-107
INVESTIGATING THE EFFECTS OF EXERCISE AT VENTILATORY THRESHOLD ON NEUROCOGNITIVE FUNCTION
Melissa Materia, Cassidy Brown, Madalyn Sheridan, Cheyenne Godby, Sydney McNorton, Karina Falkstrom, Ryan Olson
University of North Texas

LATE-BREAKING POSTER SESSION II-108
CHRONIC STRESS OF WORKING PARENTS AND THE IMPACT ON FAMILIES AND THEIR CHILDREN’S HEALTH
Olga Pollatos, Lorenz Rapp
University of Ulm
LATE-BREAKING POSTER SESSION II-109
UNCOVERING INDIVIDUAL FREEZING-LIKE BEHAVIOR IN RELATION TO THREAT PROXIMITY IN THE CONTEXT OF THREAT AND UNCERTAINTY
Alina Koppold1, Tina Lonsdorf1,2
1University Medical Center Hamburg Eppendorf, 2University of Bielefeld

LATE-BREAKING POSTER SESSION II-110
THE PROCESSING OF EMOTIONAL BODY ODORS IN INDIVIDUALS WITH DEPRESSIVE SYMPTOMS: A HIGH-DENSITY EEG STUDY
Elisa Dal Bò1, Cinzia Cecchetto1, Alejandro Callara2, Francesca Mura1, Alberto Greco2, Nicola Vanello2, Enzo Scilingo2, Claudio Gentili1
1University of Padova, Italy, 2University of Pisa, Italy

LATE-BREAKING POSTER SESSION II-111
A STRONG TEST OF THE NEGATIVITY BIAS and POSITIVITY OFFSET: P300 AMPLITUDES ARE LARGER TO BIG LOSSES THAN BIG WINS; AND TO SMALL WINS THAN SMALL LOSSES
Anastasia Erley, Shruthi Srivastan, Catherine Norris Swarthmore College

LATE-BREAKING POSTER SESSION II-112
THE INFLUENCE OF EMOTION PROCESSING DURING SENTENCE COMPREHENSION IN OLDER ADULTS: EVIDENCE FROM BRAIN POTENTIALS
Jing-Yi Huang, Po-Heng Chen, Wei-Hung Lin, Chia-Lin Lee
National Taiwan University

LATE-BREAKING POSTER SESSION II-113
AN EXAMINATION OF EEG-ECG COUPLING UNDER STRESSFUL AND NON-STRESSFUL CONDITIONS
Maxine He1, Jonathan Cerna1, Yiyang Huang2, Zhicong Zhang2, Chengrui Wu2, Elizabeth Hsiao-Weckslers3, Manuel Hernandez1
1University of Illinois, Urbana-Champaign, 2The Zhejiang University-University of Illinois, Urbana-Champaign Institute

LATE-BREAKING POSTER SESSION II-114
PHYSIOLOGICAL AND IMMUNOLOGICAL RESPONSES TO THE TRIER SOCIAL STRESS TEST
Fara Tabrizi, Jens Bernhardsson, Jörgen Rosén, Hampus Grönvall, Billy Jansson, Örjan Sundin, Fredrik Åhs
Mid Sweden University

LATE-BREAKING POSTER SESSION II-115
ELECTROPHYSIOLOGICAL CORRELATES OF CRITICAL THINKING: INSIGHTS FROM RESTING STATE AND EVENT-RELATED OSCILLATIONS
Serife Leman Runyun1, Mehmet Yucel Agargun2
1Northeastern University, 2Istanbul Medipol University

LATE-BREAKING POSTER SESSION II-116
FUNCTIONAL AND STRUCTURAL DEVELOPMENT OF AUDITORY CORTEX FROM 2 MONTHS TO 2 YEARS OLD
Kylie Mol1, Yuhan Chen1, Heather Green1, Jeffrey Berman1,2, Marybeth McNamee1, Emily Kuschner1,2, Mina Kim1, Song Liu1, Timothy Roberts1,2, J. Christopher Edgar1,2
1Children’s Hospital of Philadelphia, 2University of Pennsylvania

LATE-BREAKING POSTER SESSION II-117
IS EEG REALLY BETTER LEFT ALONE FOR DEVELOPMENTAL DATASETS?
Will Decker, Julie Schneider
Louisiana State University

LATE-BREAKING POSTER SESSION II-118
NEURAL MECHANISMS UNDERLYING DIFFERENT ACTION SEQUENCES OF GOAL-DIRECTED GRASPING: AN ERP STUDY
Jonas Kämpfer, Ludwig Vogel, Thomas Schack, Lin Yu
Bielefeld University

LATE-BREAKING POSTER SESSION II-119
ACETAMINOPHEN AND THE SENSITIVE PERIOD OF BRAIN SEXUAL DIFFERENTIATION: INTERACTIONS WITH THE SEX STEROID MILIEU IN NEONATAL LONG-EVANS RATS
Anna Warner, Christopher Harshaw
University of New Orleans
**LATE-BREAKING POSTER SESSION II-120**

**EFFECTS OF ANTIDEPRESSANT TREATMENT EXPECTATIONS, THE DOPAMINE D2 ANTAGONIST SULPIRIDE AND EXTRAVERSION ON MOOD AND HEART RATE**

Li-Ching Chuang, Nick Augustat, Erik Mueller
University of Marburg

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**LATE-BREAKING POSTER SESSION II-121**

**THE BALANCE N1 IS LARGER IN ANXIOUS CHILDREN AND ASSOCIATED WITH THE ERROR-RELATED NEGATIVITY**

Aiden Payne, Alex Meyer, Greg Hajcak
Florida State University

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**LATE-BREAKING POSTER SESSION II-122**

**DOPAMINE AND ESTRADIOL MODULATE THE ASSOCIATION BETWEEN WORRY AND WORKING-MEMORY LINKED THETA-GAMMA COUPLING IN A FEMALE SAMPLE**

Courtney Louis, Jason Moser
Michigan State University

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**LATE-BREAKING POSTER SESSION II-123**

**REWARD-BASED EEG BIOMARKERS IN PREDICTING TREATMENT OUTCOME IN MAJOR DEPRESSIVE DISORDER: A CANADIAN BIOMARKER INTEGRATION NETWORK FOR DEPRESSION STUDY (CAN-BIND-1)**

Marie-Anne Dussault Gomez¹, Prabhjot Dhami¹,²,³, Stephen Arnott⁴, Jane Foster⁵,⁶, Benicio Frey⁵,⁷, Stefanie Hassel⁸, Raymond Lam⁹, Roumen Milev¹⁰,¹¹, Daniel Mueller²,³, Sagar Parikh¹², Sakina Rizvi¹³,¹⁴, Claudio Soares¹⁰, Rudolf Uher¹⁴, Susan Rotzinger³,¹⁵,¹⁶, Sidney Kennedy³, Faranak Farzan¹,²,³
¹Simon Fraser University, ²Centre for Addiction and Mental Health, ³University of Toronto, ⁴Rotman Research Institute at Baycrest Centre, ⁵McMaster University, ⁶University of Texas Southwestern Medical Center, ⁷St Joseph’s Healthcare Hamilton, ⁸University of Calgary, ⁹University of British Columbia, ¹⁰Queen’s University, ¹¹Providence Care Hospital, ¹²University of Michigan, ¹³St. Michael’s Hospital, ¹⁴Dalhousie University, ¹⁵Unity Health Toronto, ¹⁶University Health Network

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**LATE-BREAKING POSTER SESSION II-124**

**THE AGE DIFFERENCES IN BRAIN ACTIVITY DURING SENSORY CONFLICT IN VIRTUAL REALITY**

Valentina Melnikova, Artem Kovalev
Lomonosov Moscow State University

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**LATE-BREAKING POSTER SESSION II-125**

**ASSOCIATION BETWEEN FUNDAMENTAL SOCIAL NEEDS AND INFLAMMATION BIOMARKERS IN THE MIDUS STUDY**

Emma Dillon, Hailey Fazio, Leia Harper
Reed College

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**LATE-BREAKING POSTER SESSION II-126**

**SUBDERMAL NEEDLE ELECTRODES ARE CONSISTENT WITH EPIDURAL ELECTRODES IN MEASURING LONG-LATENCY AUDITORY EVOKED POTENTIALS IN RATS**

Logan Brewer¹, Riley Ricci¹,², Jesse Davis¹, Jeffrey Sable¹,², Frank Andrasik¹, Helen Sable¹
¹University of Memphis, ²Christian Brothers University

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**Poster Session III**

**POSTER SESSION III-001**

**INDIVIDUAL DIFFERENCES IN AGE-RELATED CHANGES OF NEURAL FEEDBACK PROCESSING**

Monicque Lorist¹, Celina Pütz¹,², Berry van den Berg¹, Natasha Maurits²
¹University of Groningen, ²University Medical Center Groningen

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**POSTER SESSION III-002**

**EVENT-INDUCED MODULATION OF APERIODIC BACKGROUND EEG: ATTENTION-DEPENDENT AND AGE-RELATED SHIFTS IN E:I BALANCE, AND THEIR CONSEQUENCES FOR BEHAVIOR**

Patrycja Kałamała¹,², Máté Gyurkovics¹,³, Daniel Bowie¹, Grace Clements¹, Kathy Low¹, Florin Dolcos¹, Monica Fabiani¹, Gabriele Gratton¹
¹University of Illinois, Urbana-Champaign, ²Jagiellonian University, Krakow, ³University of Glasgow
POSTER SESSION III-003
THE ASSOCIATION BETWEEN APOE4, HYPERTENSION, AND FIXEL-BASED WHITE MATTER MICRO-STRUCTURE IN OLDER ADULTS AT RISK FOR ALZHEIMER’S DISEASE
1Northeastern University, 2McGill University, 3Brigham and Women’s Hospital, 4University of Illinois, Urbana Champaign, 5Centre for Studies on Prevention of Alzheimer’s Disease

POSTER SESSION III-004
AGE-RELATED VARIABILITY IN WORKING MEMORY FUNCTION DURING A REACTION TIME TASK
Beth Asnakew, Kathy Low, Gabriele Gratton, Monica Fabiani
1University of Illinois, Urbana-Champaign, 2The Beckman Institute for Advanced Science and Technology

POSTER SESSION III-005
ARTERIAL REACTIVITY DURING HYPERCAPNIA AND AT REST
Samia Islam, Kathy Low, Gabriele Gratton, Monica Fabiani
1University of Illinois, Urbana-Champaign, 2The Beckman Institute for Advanced Science and Technology

POSTER SESSION III-006
EVALUATION OF NEURABLE’S EEG HEADSET
Yong Yuan, Evan Frantz, William Aue, Rick Helton, Robert Voorhis, Adelina Geraghty, Melissa Key
1Air Force Research Laboratory - 711th Human Performance Wing, 2Oak Ridge Institute for Science and Education, 3Infoscitex Corporation

POSTER SESSION III-007
SEMANTIC AND EMOTIONAL CONTENT IN ATTENTIONAL SOURCES ALLOCATION
Javier de Echegaray, Matthias Müller, Andreas Keil
1Leipzig Universität, 2University of Florida

POSTER SESSION III-008
THE IMPACT OF THE AFFECTIVE CONTEXT ON THE HABITUATION PROCESS: ATTENTIONAL CAPTURE AND NEURAL ACTIVITY OF EMOTIONAL DISTRACTORS
Francesca Canturi, Maurizio Codispoti, Vera Ferrari
1University of Parma, Italy, 2University of Bologna, Italy

POSTER SESSION III-009
FFP2 MASK WEARERS REQUIRE MORE NEURAL RESOURCES FOR DIRECTED ATTENTION TESTS: MAGNETOENCEPHALOGRAPHIC EVIDENCE
Markus Junghöfer, Tomasz Ligeza
1University Hospital Muenster, 2Jagiellonian University, Kraków

POSTER SESSION III-010
ADHD SYMPTOMS, BUT NOT SENSORY ENTRAINMENT, PREDICT BETTER BEAT-KEEPING PERFORMANCE
Jules Faunce, Bruce Friedman
Virginia Tech

POSTER SESSION III-011
CHILDHOOD ABUSE AND ADULT INFLAMMATION: THE CONTRIBUTORY ROLE OF THE VAGUS
Sarah Stevens, Cameron Wiley, Julian Thayer, DeWayne Williams
University of California, Irvine

POSTER SESSION III-012
ELIMINATING DIFFERENTIAL PROCESSING OF THE TINNITUS FREQUENCY BY NONINVASIVE STIMULATION OF THE DORSAL PREFRONTAL CORTEX
Christian Dobel, Vasiliki Salvari, Daniela Korth, Markus Junghofer, Evangelos Paraskevopoulos
1Jena University Hospital, 2University Münster, 3University of Cyprus

POSTER SESSION III-013
EFFECTS OF A 5-WEEK HEART RATE BIOFEEDBACK RANDOMIZED INTERVENTION ON THE ASSOCIATION BETWEEN ALZHEIMER’S DISEASE BIOMARKERS AND CORTICAL THICKNESS
Seo Yeon Lee, Hyun Joo Yoo, Kaoru Nashiro, Jungwon Min, Christine Cho, Mara Mather
University of Southern California
POSTER SESSION III-014
THE INTERVENTION EFFECTS OF HEART RATE VARIABILITY BIOFEEDBACK TRAINING ON AMPLITUDE OF LOW-FREQUENCY FLUCTUATION IN OLDER AND YOUNGER ADULTS
Hyun Joo Yoo¹, Kaoru Nashiro¹, Jungwon Min¹, Christine Cho¹, Julian Thayer², Paul Lehrer³, Catie Chang⁴, Mara Mather¹
¹University of Southern California, ²University of California, Irvine, ³Rutgers University, ⁴Vanderbilt University

POSTER SESSION III-015
MODULATION OF NEURAL CORRELATES OF MODEL-BASED PERFORMANCE WITH IMPULSIVITY AND COMPULSIVITY
Kerstin Dück, Rebecca Overmeyer, Raoul Dieterich, Tanja Endrass
Technische Universität Dresden

POSTER SESSION III-016
PROCESSING OF IMMEDIATE AND DELAYED FEEDBACK IN PATIENTS WITH CEREBELLAR DEGENERATION
Adam Berlijn¹,²,³, Dana Huvermann¹,⁴, Alisha Reinhardt¹,²,³, Eric Bechler¹, Alfons Schnitzler¹,², Christian Bellebaum¹, Dagmar Timmann⁴, Martina Minnerop¹,²,³, Jutta Peterburs¹,⁵
¹Heinrich-Heine-University Düsseldorf, ²University Hospital Düsseldorf, ³Research Centre Jülich, ⁴University Hospital Essen, ⁵MSH Medical School Hamburg

POSTER SESSION III-017
EVALUATING INHIBITORY CONTROL, ACADEMIC ACHIEVEMENT, AND P3 EVENT-RELATED POTENTIAL DURING AND AFTER ACUTE MODERATE-INTENSITY CYCLING IN CHILDREN
Megan O’Brokta, Megan Johnson, Beth Bacon, Eric Drollette
University of North Carolina, Greensboro

POSTER SESSION III-018
ERROR AWARENESS WITHOUT AN NE/ERN
Julia Dumsky¹, Martin Maier¹, Francesco Di Gregorio², Marco Steinhauser¹
¹Catholic University of Eichstatt-Ingolstadt, ²UO Medicina Riabilitativa e Neuoriabilitazione, Azienda Unità Sanitaria Locale

POSTER SESSION III-019
THE EVALUATION OF ERROR TYPES AND TIME ON TASK
Martin Maier, Marco Steinhauser
Catholic University of Eichstätt-Ingolstadt

POSTER SESSION III-020
INCREASED ADIPOSITY IS RELATED TO INTRAINDIVIDUAL VARIABILITY IN COGNITIVE CONTROL
Jeongwoon Kim¹, Anne Walk², Shelby Keye¹, Christopher Kinder¹, Corinne Cannavale¹, Nicholas Burd¹, Naiman Khan¹
¹University of Illinois, Urbana-Champaign, ²Eastern Illinois University

POSTER SESSION III-021
AN ACUTE ACADEMIC STRESSOR IS ASSOCIATED WITH ENHANCED ERROR-RELATED BRAIN ACTIVITY
Alexandra Argiros, Seonwoo Hong, Loran Carpentier, Helena Renault, Corinne Sejourne, Anna Weinberg
McGill University

POSTER SESSION III-022
WORRY IS ASSOCIATED WITH IMPAIRED PERFORMANCE IN THE ABSENCE OF AN ENLARGED ERN
Daniel Gordon, Christopher Webster, Grace Anderson, Jennifer Warkentien, C. Durbin, Jason Moser
Michigan State University

POSTER SESSION III-023
EXAMINING TASK-RELATED DIFFERENCES IN THE ERROR-RELATED NEGATIVITY (ERN) AS A FUNCTION OF COGNITIVE CONTROL STRATEGY AND TRAIT ANXIETY
Russell Mach, Connie Lamm, Matt Judah
University of Arkansas

POSTER SESSION III-024
RIGHT INFERIOR FRONTAL GYRUS CONNECTIVITY DURING INHIBITORY CONTROL: EVIDENCE OF GREATER NEURAL COMPENSATION IN OLDER WOMEN WITH ALEXITHYMIA
Erik O’Reilly, Elizabeth Paitel, Mary Polking, Christian Otteman, Kristy Nielson
Marquette University
POSTER SESSION III-025
REPLICATION OF THE COLOR FLANKER TASK WITH EMOTIONAL WORDS: A DUAL ANXIETY APPROACH
Grace Winder, Benson Bush, Jennifer Giddings, Otis Maire, Pryce Palmero, Paige Sunderland, Aminda O’Hare
Weber State University

POSTER SESSION III-026
CORTICAL PLASTICITY IN VISUALLY-IMPAIRED DURING ADAPTIVE GO/NO-GO ACTIVE TACTILE DISCRIMINATION: AN ERP AND ERS/ERD STUDY
Nidhi Aggarwal, Jeffrey Hamm, Barry Hughes
University of Auckland

POSTER SESSION III-027
VISCERAL ADIPOSE TISSUE MEDIATES THE ASSOCIATIONS BETWEEN MODERATE-TO-VIGOROUS PHYSICAL ACTIVITY AND BEHAVIORAL AND NEUROLECTRIC INDICES OF ATTENTIONAL CONTROL
Dominika Pindus1,2, Bryan Montero Herrera1, Nicholas Burd1, Naiman Khan1
1University of Illinois, Urbana-Champaign, 2Beckman Institute for Advanced Science and Technology, University of Illinois, Urbana-Champaign

POSTER SESSION III-028
COGNITIVE CONVERGENCE: SHARED SALIENCE IN REWARD RESPONSE AND CONFLICT DURING DECISION-MAKING AND EXECUTIVE CONTROL
Angus MacDonald, Jessica Arend, Caroline Demro, Anita Kwashie
University of Minnesota, Twin Cities

POSTER SESSION III-029
ERROR-RELATED (ERN) AND REWARD-RELATED (REW) EVENT-RELATED POTENTIALS: COMPARISON BETWEEN A DRY ELECTRODE AND A GEL-BASED EEG SYSTEM
Kreshnik Burani1, Julia Klawohn2, CJ Brush3, Hunter Threadgill1, Greg Hajcak1
1Florida State University, 2Medical School Berlin, 3University of Idaho

POSTER SESSION III-030
HEART RATE VARIABILITY AND COGNITIVE FUNCTION IN ADULTS IN THE CZECH STUDY HEALTHY AGEING IN INDUSTRIAL ENVIRONMENT (4HAIE)
Vera Jandackova, Steriani Elavsky, Daniel Jandacka, Lukas Cipryan
University of Ostrava, Ostrava, Czech Republic

POSTER SESSION III-031
PSYCHOLOGICAL RISK, SOCIAL SUPPORT, AND EXPECTANT MOTHERS’ NEURAL RESPONDING TO INFANT EMOTIONAL FACIAL EXPRESSIONS
Tingyan Liu, Madeline Patrick, Ashley Groh
University of Missouri, Columbia

POSTER SESSION III-032
UPDATE ON THE TELEHEALTH EEG ASSESSMENT IN ANGELMAN SYNDROME: DETECTION OF INCREASED DELTA POWER
Kimberly Galvez-Ortega, Roslyn Harold, Bridgette Kelleher, Dan Foti
Purdue University

POSTER SESSION III-033
UNPREDICTABLE THREAT INCREASES EARLY EVENT-RELATED POTENTIAL AMPLITUDES, CARDIAC ACCELERATION, AND CORTICO-CARDIAC COUPLING DURING AN ODDBALL PARADIGM
Kathrin Gerpheide1, Christian Panitz2,3, Sarah-Louise Unterschemann1, Philipp Bierwirth1, James Gross4, Erik Mueller1
1Philipps-Universität Marburg, 2Universität Leipzig, 3University of Florida, 4Stanford University

POSTER SESSION III-034
ELECTROPHYSIOLOGICAL MEASURES OF EMOTIONAL REACTIVITY AND EMOTION REGULATION AND ASSOCIATIONS WITH SELF-REPORTED EMOTION REGULATION CAPACITY IN EVERYDAY LIFE
Ruth Wewers1, Norbert Kathmann1, Franziska Jüres1, Julia Klawohn1,2
1Humboldt-Universität zu Berlin, 2MSB Medical School Berlin
POSTER SESSION III-035
PATHOLOGICAL PERSONALITY DIMENSIONS AND NEUROBIOLOGICAL EMOTIONAL REACTIVITY
Sarah Barkley, Jacob Feldman, Adina Levy, Alex Grieshaber, Brady Nelson
Stony Brook University

POSTER SESSION III-036
A REFINED DARK-ENHANCED STARTLE TASK
Freya Whittaker, Angelica DeFalco, Mia Tognoli, Emma Gilmore, Daniel Bradford
Oregon State University

POSTER SESSION III-037
AMYGDALA AND CORTICAL GAMMA-BAND RESPONSES TO EMOTIONAL FACES DEPEND ON THE ATTENDED TO VALENCE
Enya Weidner¹, Stephan Moratti², Sebastian Schindler³, Philip Grewe¹, Christian Bien¹, Johanna Kissler⁵
¹Bielefeld University, ²Complutense University of Madrid, ³University of Münster

POSTER SESSION III-038
LACK OF STARTLE BLINK POTENTIATION TO UNPLEASANT PICTURES IS LINKED TO PROBLEMATIC USE OF SOCIAL MEDIA
Richard Morris III, Tania Moretta, Egle Orlando, Giulia Buodo
University of Padova

POSTER SESSION III-039
EVIDENCE FOR A COMMON NEURAL MECHANISM INVOLVED IN COGNITIVE CONTROL AND IMPLICIT EMOTION REGULATION: AN EEG EFFECTIVE CONNECTIVITY STUDY
Agnieszka Adamczyk¹,², Miroslaw Wyczesany¹
¹Jagiellonian University, ²Radboud University

POSTER SESSION III-040
ALEXITHYMIA PREDICTS INCREASED P300 IN CYBERBALL SOCIAL EXCLUSION PARADIGM
James Brown, Danielle Jones, Colin Bowyer, Choe E. Johnson, Elizabeth Hammock, Christopher Patrick
Florida State University

POSTER SESSION III-041
GETTING IN TOUCH: AESTHETIC PROCESSING OF MATERIAL SURFACES
Thomas Jacobsen, Barbara Marschallek, Andreas Löw
Helmut Schmidt University / University of the Federal Armed Forces Hamburg

POSTER SESSION III-042
ADVANCED AGE IS ASSOCIATED WITH POORER RECOVERY FROM NEGATIVE PROVOCATION
Stacey Schaefer, Anna Finley, Sarah Skinner, Lauren Gresham, Richard Davidson, Carol Ryff
University of Wisconsin, Madison

POSTER SESSION III-043
EMPHASIZING TASTE & CONVENIENCE IN INSTAGRAM RECIPE VIDEOS: YOUNG ADULTS’ PSYCHOPHYSIOLOGICAL PROCESSING, INTENTIONS, AND RECALL
Paulien Decorte¹, Karolien Poels¹, Tim Smits², Sara Pabian¹,³, Paul Bolls⁴, Charlotte De Backer¹
¹University of Antwerp, ²KU Leuven, ³Tilburg University, ⁴Washington State University

POSTER SESSION III-044
PATIENCE REFLECTS AN AFFECTIVE RESPONSE TO DYSHOMEOSTASOS AND IS PART OF AN ALLOSTATIC STRATEGY
Agostina Casamento-Moran, Aram Kim, Joonhee Lee, Vikram Chib
Johns Hopkins University

POSTER SESSION III-045
A PERSON-CENTERED APPROACH TO CHARACTERIZING AUTONOMIC PROFILES IN MIDDLE CHILDHOOD
Madison Politte-Corn¹, Rebecca Brooker², H. Goldsmith³, Kristin Buss¹
¹The Pennsylvania State University, ²Texas A&M University, ³University of Wisconsin, Madison

POSTER SESSION III-046
EVENT RELATED DESYNCHRONIZATION IN EMOTIONAL SCENE PERCEPTION
Han Jia, Andrew Farkas, Dean Sabatinelli
University of Georgia
POSTER SESSION III-048
EMOTION RECOGNITION USING TIME-FREQUENCY FEATURES FROM PORTABLE EEG AND MACHINE LEARNING METHODS
Tong Lin1, Guanyao Dou1, Xiaodong Qu2, Robert Sekuler1, Jennifer Gutsell1
1Brandeis University, 2Swarthmore College

POSTER SESSION III-049
PSYCHOLOGICAL DISTRESS AMONG YOUNG PEOPLE: THE MODERATING ROLE OF HEART RATE VARIABILITY IN THE RELATIONSHIP WITH MALADAPTIVE METACOGNITIONS
Egle Orlando, Tania Moretta, Giulia Buodo
University of Padua

POSTER SESSION III-050
SMOKING PROGRESSION AND NICOTINE-ENHANCED REWARD SENSITIVITY ARE PREDICTED BY RESTING-STATE FUNCTIONAL CONNECTIVITY IN SALIENCE AND EXECUTIVE CONTROL NETWORKS
Matthew Gunn1, Gregory Rose1, Alexis Whitton2, Diego Pizzagalli3, David Gilbert1
1Southern Illinois University Carbondale, 2University of New South Wales, 3McLean Hospital & Harvard Medical School

POSTER SESSION III-051
THE REWARD POSITIVITY MODERATES THE RELATIONSHIP BETWEEN DAILY SOCIAL MEDIA USE AND POSITIVE AFFECT DURING ADOLESCENCE
Elise Cummings1, Aline Szenczy1, Greg Hajcak2, Brady Nelson3
1Stony Brook University, 2Florida State University

POSTER SESSION III-052
THE (LACK OF) INFLUENCE OF HAIR TYPE AND TEXTURE ON EEG AND ERP DATA QUALITY
Ty Lees1, Nilam Ram2, Margaret Swingler3, Lisa Gatzke-Kopp1
1The Pennsylvania State University, 2Stanford University, 3The University of North Carolina

POSTER SESSION III-053
ESTIMATING WITHIN- AND BETWEEN-PERSON VARIABILITY IN THE REWARD POSITIVITY
Lidia Panier, Juhyun Park, Lidie Silva, Eric Hehman, Anna Weinberg
McGill University

POSTER SESSION III-054
DO PARENTS EXHIBIT SIMILAR COGNITIVE AND EMOTIONAL PROCESSING OUTCOMES AS CHILDREN DURING COVIEWING?
Willow Sauermilch1, Emily Bohaty2, Christina Najera3, Eric Rasmussen2, Justin Keene2
1Louisiana State University, 2Texas Tech University, 3University of Tennessee, Knoxville

POSTER SESSION III-055
EXAMINING ASSOCIATIONS BETWEEN INFANT BEHAVIORAL INHIBITION, PARASYMPATHETIC CARDIAC REACTIVITY, AND REGULATORY BEHAVIORS WITH FATHERS
Alyssa Swift, Diane Lickenbrock, Logan Rios
Western Kentucky University

POSTER SESSION III-056
NEUROELECTRIC INDICES OF PRE-MOTOR PLANNING ARE SELECTIVELY RELATED TO BALANCE IN CHILDREN
Shelby Keye, Christopher Kinder, Laura Rosok, Naiman Khan
University of Illinois, Urbana Champaign

POSTER SESSION III-057
THE RELATIONSHIP BETWEEN EMOTION DYSREGULATION AND ERROR MONITORING IN ADOLESCENTS WITH ADHD
McKenzie Figuracion1, Michael Kozlowski2, Katelyn Macknyk1, Madelyn Heise1, Sarah Pieper1, Brittany Alperin2, Hannah Morton2, Joel Nigg2, Sarah Karalunas1
1Purdue University, 2Oregon Health & Science University

POSTER SESSION III-058
ACUTE EFFECTS OF A SINGLE BOUT OF EXERCISE ON FUNCTIONAL BRAIN NETWORKS IN CHILDREN
Trevor Cline, Emma Tinney, Morfini Francesca, Lauren Raine, Laurel Gabard-Durnam, Susan Whitfield-Gabrieli, Arthur Kramer, Charles Hillman Northeastern University
POSTER SESSION III-059
EXPLORING MECHANISMS OF FEAR GENERALIZATION: THE CASES OF THREAT UNCERTAINTY AND CONTEXT
Asimina Aslanidou¹, Marta Andreatta¹,², Alex Wong¹, Matthias Wieser¹
¹Erasmus University Rotterdam, ²University of Wuerzburg

POSTER SESSION III-060
LOVED FAMILIAR FACES AS A MEAN TO IMPROVE INHIBITORY LEARNING IN AN INSTRUCTIONAL LEARNING PROTOCOL: ARE THERE ANY BENEFICIAL EFFECTS?
Pedro Guerra¹, Alexander Graul¹, Juan Manuel Quesada¹, Florian Bublatzky², Ottmar Lipp³
¹University of Granada, Spain, ²Central Institute of Mental Health Mannheim, Germany, ³Queensland University of Technology, Australia

POSTER SESSION III-061
IMPACT OF EMOTIONAL FACE PROCESSING ON INHIBITORY CONTROL TRAINING IN TRAUMA-EXPOSED ADULTS
Kaveh Afshar, Michael Griffin, Richard Macatee
Auburn University

POSTER SESSION III-062
DEFINITE THREAT VS POTENTIAL THREAT: A HUMAN OSCILLATORY BRAIN ACTIVITY INVESTIGATION
Arash Mirifar¹, Hannah Engle¹, Yannik Stegmann², Matthias Gamer², Andreas Keil¹
¹University of Florida, ²Julius-Maximilians-University of Würzburg

POSTER SESSION III-063
DOES TRANSCUTANEUS AURICULAR VAGUS NERVE STIMULATION ACCELERATE EXTINCTION LEARNING? A CONCEPTUAL REPLICATION STUDY
Ilse Van Diest, Lucas Vanden Bossche, Ana Perkovic, Andreas Burger, Martina D’Agostini
Research Group Health Psychology, KU Leuven

POSTER SESSION III-064
CAN PUPIL SIZE DURING ENCODING ACCOUNT FOR VARIANCE IN EPISODIC MEMORY ENCODING?
Beth Lloyd, Eren Tatlıer, Sander Nieuwenhuis
Leiden University

POSTER SESSION III-065
7-TELESA EVIDENCE FOR COLUMNAR AND ROSTRAL–CAUDAL ORGANIZATION OF THE HUMAN PERIAQUEDUCTAL GREY RESPONSE IN THE ABSENCE OF THREAT: A WORKING MEMORY STUDY
Alexandra Fischbach¹, Ajay Satpute¹,², Karen Quigley¹,³, Philip Kragel⁴,⁵, Marta Bianciardi², Lawrence Wald², Tor Wager⁶, Lisa Feldman Barrett¹,²,⁷, Jordan Theriault¹,²
¹Northeastern University, ²Massachusetts General Hospital and Harvard Medical School, ³Center for Healthcare Organization and Implementation Research, ⁴University of Colorado, Boulder, ⁵Emory University, ⁶Dartmouth College, ⁷Athinoula A. Martinos Center for Biomedical Imaging

POSTER SESSION III-066
ICONIC CO-SPEECH GESTURES ENHANCE ASSOCIATIVE MEMORY FORMATION, BUT ONLY WHEN THE LISTENER EXPECTS THEM TO BE MEANINGFUL
Brianna Cairney, Stanley West, Eileen Haebig, Heather Lucas
Louisiana State University

POSTER SESSION III-067
WHY DO ANTI-DISTRACTED DRIVING MESSAGES FLOP? INVESTIGATING THE ROLE OF COACTIVATION AND COUNTERARGUING IN CELL PHONE USE AND DRIVING BEHAVIOR MESSAGING
Christina Najera¹, Justin Keene²
¹University of Tennessee, Knoxville, ²Texas Tech University

POSTER SESSION III-068
DYSPHORIA EFFECTS ON EFFORT-RELATED CARDIOVASCULAR RESPONSES AND THE SHIELDING POWER OF PERSONAL CHOICE
Johanna Falk¹,², Guido Gendolla¹,², Gabriele Oettingen³, Peter Gollwitzer³
¹University of Geneva, ²Swiss Center for Affective Sciences, ³New York University
POSTER SESSION III-069
DIMINISHED REWP AMPLITUDE PREDICTS GREATER RISK FOR DRINKING INITIATION IN MID-ADOLESCENT FEMALES
Alexander Kallen¹, Christopher Patrick¹, Bruce Bartholow², Greg Hajcak¹
¹Florida State University, ²University of Missouri

POSTER SESSION III-070
THE INFLUENCE OF SELF-REPORTED SOCIAL ENGAGEMENT ON MISMATCH NEGATIVITY AMPLITUDE
Inés Abalo-Rodríguez, Alejandro Santos-Mayo, Stephan Moratti
University Complutense of Madrid

POSTER SESSION III-071
INTEROCEPTION TRIGGERS THOUGHTS ABOUT THE SELF
Mai Sakuragi, Kazushi Shinagawa, Yuri Terasawa, Satoshi Umeda
Keio University

POSTER SESSION III-072
COMPARING ELECTROPHYSIOLOGICAL CORRELATES OF FEEDBACK PROCESSING ACROSS REWARD TASKS: REWP AND P300 IN TWO PARADIGMS
Franziska Jüres¹, Ruth Wewers¹, Greg Hajcak², Norbert Kathmann¹, Julia Klawohn¹,³
¹Humboldt-Universität zu Berlin, ²Florida State University, ³Medical School Berlin

POSTER SESSION III-073
WHAT CONNECTION AFFORDS? INCREASED HEART RATE VARIANCE WITH PARASYMPATHETIC CONTROL ON PERCEIVING LOSS CAN FEEL HURTFUL
Lily Seah, Thomas Carman, Emma Eldrid, Bruce Friedman
Virginia Polytechnic Institute and State University

POSTER SESSION III-074
OSCILLATORY COUPLING BETWEEN NEURAL AND CARDIAC RHYTHMS
Kaia Sargent¹, Emily Martinez¹, Alexandra Reed², Morgan Bartholomew³, Anika Guha⁴, Caroline Diehl¹, Christine Chang¹, Sarah Salama¹, Julian Thayer⁵, Keith Nuechterlein¹, Gregory A. Miller¹, Cindy Yee³
¹University of California, Los Angeles, ²VA Connecticut Health Care System, ³San Francisco VA Health Care System, ⁴University of Colorado School of Medicine, ⁵University of California, Irvine

POSTER SESSION III-075
USING TRANSCRANIAL FOCUSED ULTRASOUND TO ALTER DEFAULT MODE NETWORK (DMN) FUNCTIONAL CONNECTIVITY AND SUBJECTIVE EXPERIENCE
Brian Lord¹, Jay Sanguinetti¹,², Lisannette Ruiz¹,², Vladimir Miskovic³, Joel Segre³, John Allen¹
¹The University of Arizona, ²Sanmai Technologies PBC, ³X

POSTER SESSION III-076
ASSOCIATION BETWEEN ELECTROPHYSIOLOGICAL SIGNALS AND PERSONALITY TRAITS: AN EEG STUDY
Chia Yun Wang¹, Qiduo Lin², Hoi Yan Mak², Ovid J. L. Tzeng¹,²,³, Hsu Wen Huang², Chih Mao Huang¹
¹National Yang Ming Chiao Tung University, ²City University of Hong Kong, ³National Taiwan Normal University

POSTER SESSION III-077
UNDERSTANDING THE ASSOCIATION BETWEEN NEURAL REWARD RESPONSIVENESS AND SUICIDE ATTEMPT HISTORY AMONG UNIVERSITY STUDENTS
Grace Allison, Anna Weinberg
McGill University

POSTER SESSION III-078
BIOLOGICAL SEX AND HORMONAL CONTRACEPTIVE RELATIONSHIPS WITH DRUG CUE REACTIVITY IN CANNABIS USE DISORDER
Mallory Cannon, Brandon Schermitzler, Thomas Preston, Kaveh Afshar, Richard Macatee
Auburn University
**POSTER SESSION III-079**

AN EXAMINATION OF THE RELATIONSHIP BETWEEN THE LPP TO FEARFUL FACES AND THETA/BETA RATIO IN TRAUMA-EXPOSED ADULTS
Julia Gorday, Kaveh Afshar, Richard Macatee
Auburn University

**POSTER SESSION III-080**

LONGITUDINAL ASSOCIATIONS BETWEEN NEUROPHYSIOLOGICAL RESPONSES TO UNPLEASANT IMAGES AND CHANGES IN INTERNALIZING SYMPTOMS FROM MIDDLE CHILDHOOD TO ADOLESCENCE
Lindsay Dickey¹, Alison Calentino², Ellen Kessel³, Thomas Olino⁴, Autumn Kujawa¹, Daniel Klein²
¹Vanderbilt University, ²Stony Brook University, ³Columbia University, ⁴Temple University

**POSTER SESSION III-081**

CONCURRENT AND PROSPECTIVE RELATIONS BETWEEN ABERRANT STRESS-INDUCED FRONTAL ALPHA ASYMMETRY AND CANNABIS USE DISORDER
Brandon Schermitzler, Michael Griffin, Richard Macatee
Auburn University

**POSTER SESSION III-082**

MOTIVATIONAL CONTEXT AND FEEDBACK PROCESSING IN IMPULSIVITY AND COMPULSIVITY
Rebecca Overmeyer¹, Tanja Endrass¹,²
¹Technische Universität Dresden, ²Technische Universität Dresden

**POSTER SESSION III-083**

THE REWARD POSITIVITY IS UNRELATED TO DEPRESSION SYMPTOMS IN YOUTH
Brianna Lind, Jade Moros, Christopher Webster, Grace Anderson, C. Durbin, Jason Moser
Michigan State University

**POSTER SESSION III-084**

PATHOLOGICAL PERSONALITY TRAITS AND THE NEURAL RESPONSE TO REWARD
Brady Nelson, Jacob Feldman, Adina Levy, Alexander Grieshaber
Stony Brook University

**POSTER SESSION III-085**

INTERNALIZING PSYCHOPATHOLOGY AND INSTABILITY IN DAILY NEGATIVE AFFECT: MODERATING ROLES OF THE SALIENCE NETWORK AND CENTRAL EXECUTIVE NETWORK
Ha Jeong Park¹, Sydney M. Stevens², Annmarie MacNamara¹,³
¹Department of Psychological and Brain Sciences, Texas A&M University, ²Department of Educational Psychology, Texas A&M University, ³Institute for Neuroscience, Texas A&M University

**POSTER SESSION III-086**

OBSERVED ERROR MONITORING AS AN INDEX OF THEORY OF MIND
Kipras Varkala, Harold Rocha, Brad Buchanan, Geoffrey Potts
University of South Florida

**POSTER SESSION III-087**

ASSOCIATIONS BETWEEN PHYSICAL AND COGNITIVE HEALTH IN FIRST-EPIPODE SCHIZOPHRENIA
Luke Poole, Jonathon Bourque, Andrew Ude, Hannah Perdue, Amber Sarwani, Brandon Alderman
Rutgers University

**POSTER SESSION III-088**

KNOW YOUR DEVICE: A GUIDE TO EVALUATING THE QUALITY OF MOBILE EEG DATA
Katherine Boere, Mathew Rocha-Hammerstrom, Olave Krigolson
The University of Victoria

**POSTER SESSION III-089**

RELAXATION ROOMS AFFECT PERCEIVED ANXIETY MORE THAN PSYCHOPHYSILOGICAL MEASURES FOLLOWING EXPOSURE TO STRESS
Kunjoon Byun¹,², Zachary Pope¹,²,³, Colin West³, Kevin Mazurek³,⁴
¹Well Living Lab, ²Delos Living LLC, ³Mayo Clinic, ⁴University of Rochester
POSTER SESSION III-091
A TRANSCRANIAL MAGNETIC STIMULATION PROTOCOL OF THE INFERIOR FRONTAL gyrus to manipulate activity in the interoceptive brain network: A pilot study on heartbeat-evoked potentials
Lisa Lai1, André Schulz1, Til Bergmann2, Claus Vogèle1, Jonathan Cimino3, Damien Salles3, Marian Van der Meulen1, Tabea Schmidt Alkadri1
1University of Luxembourg, 2University of Mainz, 3Hôpitaux Robert Schuman

POSTER SESSION III-092
ACTIVE SAMPLING OF VISUAL INFORMATION ACROSS THE CARDIAC AND RESPIRATORY CYCLES
Kieran McVeigh, Ivy Cao, Karen Quigley
Northeastern University

POSTER SESSION III-093
MODULATING EMOTIONAL VISUAL STIMULI WITH SALIENT ODOR CUES: A NOVEL APPROACH TO ASSESSING FACE PROCESSING
Chloe Johnson, Colin Bowyer, Danielle Jones, Austin Pauley, Adam Dewan, Christopher Patrick
Florida State University

POSTER SESSION III-094
EXPLORING CONTEXTUAL FACTORS IN VAGAL TANK THEORY
Samantha De Leon Sautu, Saeedeh Sadeghi, Marlen Gonzalez
Cornell University

POSTER SESSION III-095
PHYSIOLOGICAL RESPONSES TO DIFFERENTIALLY UNAMBIGUOUS SOCIAL STIMULI IN INDIVIDUALS WITH PEER VICTIMIZATION EXPERIENCES
Klara Blauth, Frank Neuner, Benjamin Iffland
Bielefeld University

POSTER SESSION III-096
HOW DOES COGNITIVE REAPPRAISAL IMPACT SOCIAL INFORMATION PROCESSING IN LONELY INDIVIDUALS? INVESTIGATION WITH EEG EVENT-RELATED POTENTIALS
Łukasz Okruszek, Marta Chrustowicz, Szymon Mąka
Polish Academy of Sciences

POSTER SESSION III-097
REAL-LIFE LONELINESS, BUT NOT TRAIT LONELINESS, IS RELATED TO LOWER HEART RATE VARIABILITY MEASURED BOTH IN LABORATORY AND ECOLOGICAL SETTINGS
Aleksandra Piejka, Marcelina Wiśniewska, Łukasz Okruszek
Social Neuroscience Lab, Institute of Psychology, Polish Academy of Sciences

POSTER SESSION III-098
SPEECH TRACKING IN EYE MOVEMENTS
Kaja Rosa Benz, Nina Suess, Anne Hauswald, Quirin Gehmacher, Patrick Reisinger, Thomas Hartmann, Nathan Weisz
University of Salzburg

POSTER SESSION III-099
A SUCCESSFUL UPHILL BATTLE IN MEANING COMPREHENSION: ERPS REVEAL PRESERVED AMBIGUITY RESOLUTION PROCESSES IN HEALTHY OLDER ADULTS
Po-Heng Chen1, Yun Chuang1, Kara Federmeier2, Chia-Lin Lee1
1National Taiwan University, 2University of Illinois

POSTER SESSION III-100
SENSORIMOTOR OSCILLATORY ACTIVITY RELATED TO INVOLUNTARY IMAGERY OF MANIPULABLE OBJECTS
Alejandro Heredia Cedillo1, Ezequiel Morsella1,2, Mark Geisler1
1San Francisco State University, 2University of California, San Francisco

POSTER SESSION III-101
AFFECT IN THE WILD: PSYCHOPHYSIOLOGICAL RESPONSES TO REAL-WORLD CONTEXTS
Sam Dutton1, Patrick Hill2, Zac Imel1, Monika Lohani1
1University of Utah, 2Washington University, St. Louis

POSTER SESSION III-102
TASK DIFFERENCES AFFECT ERP CORRELATES OF MENTAL HEALTH STIGMA
Jill Grose-Fifer1,2, Yejin Bae1, Brooke Baker1
1John Jay College, CUNY, 2The Graduate Center, CUNY
POSTER SESSION III-103
LATE POSITIVE POTENTIAL PREDICTIVE OF POSITIVE SOCIAL EXPERIENCE AFTER COMPLETING STRUCTURED SOCIAL TASK
Andrew Garron, Lauren Keith, Nicholas Santopetro, Greg Hajcak
Florida State University

LATE-BREAKING POSTER SESSION III-104
WOMEN’S DOMAIN-SPECIFIC AFFILIATION ACROSS THE MENSTRUAL CYCLE
Kaylee Phimmasene, Anastasia Makhanova
University of Arkansas

LATE-BREAKING POSTER SESSION III-105
NAVIGATING THE APPROACH-AVOIDANCE MATRIX: EXPLORING INDIVIDUAL DIFFERENCES IN A NOVEL VIRTUAL REALITY FORAGING TASK
Alexandros Kastrinogiannis¹, Tina Lonsdorf²
¹University Medical Center Hamburg-Eppendorf, ²University of Bielefeld

LATE-BREAKING POSTER SESSION III-106
INCLUSIVITY OF BLACK PARTICIPANTS IN RESEARCH EVALUATING SPORT-RELATED CONCUSSIONS USING ELECTROENCEPHALOGRAPHY (EEG): A PERSPECTIVE REVIEW
Lexi Kier, Erin Reifsteck, Jessica McNeil, DeAnne Brooks, Eric Drollette
University of North Carolina, Greensboro

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Rachel Eubanks, Michael Settepani, Kaia McMullen, Laura Swain, Jane Stafford, Bridget Cho
University of South Carolina, Aiken

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Kyle Wilhelm, Blythe LaGasse, Patricia Davies, William Gavin, Susan Mingils
Colorado State University

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Christopher Warren¹, Sara Harper², Kallol Kumar Bhattacharyya¹, Allison Hancock¹, Aric Turner¹, David Bolton¹
¹Utah State University, ²University of Alabama, Huntsville

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Kyoungmin Noh, Nicholas Naumgartner, Salim Onbasi, Shih-Chun Kao
Purdue University, West Lafayette

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Ingmar Franken¹, Rianne Kok¹, Marieke Buil², Miranda C. Lutz¹,²
¹Erasmus University Rotterdam, ²Vrije Universiteit Amsterdam

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Angelica DeFalco¹,², Freya Whittaker¹, Corryn Dooley¹, John Curtin², Daniel Bradford¹
¹Oregon State University, ²Colorado State University, ³University of Wisconsin, Madison

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Sabine Prantner¹, Alejandro Espino-Payá², M. Carmen Pastor¹, Cristina Giménez-Garcia¹, Rafael Ballester-Arnal¹, Markus Junghöfer²
¹Universitat Jaume I, ²University of Münster
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1Wheaton College, 2Virginia Commonwealth University

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Yiyang Gao1, Philip Deming1, Jolie Wormwood2, Lisa Barrett1, Karen Quigley1
1Northeastern University, 2University of New Hampshire

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Po-Yu Li1, Hsu-Wen Huang2, Chih-Mao Huang3, Shun-Chi Wu1
1National Tsing Hua University, 2National Health Research Institutes, 3National Yang Ming Chiao Tung University

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1City University of Hong Kong, 2National Yang Ming Chiao Tung University, 3National Health Research Institutes

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1University of Florida, 2University of California, Davis

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1University of Padua, 2University of Pisa

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Riley Swetman¹, Karen Smith², Kelly Faig¹
¹Hamilton College, ²Rutgers University, Newark

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Hui-Sun Chiu, Ryan Hubbard, Kara Federmeier
University of Illinois