



51ST ANNUAL MEETING OF THE INTERNATIONAL SOCIETY FOR DEVELOPMENTAL PSYCHOBIOLOGY

OCTOBER 31 - NOVEMBER 2, 2018

Catamaran Resort Hotel & Spa, San Diego, USA

Program

☞ Denotes Student/Postdoc Travel Award Winner next to author's names in the program.

Wednesday, October 31, 2018

10:00 – 7:00 PM Kon Tiki/Aviary Ballroom Foyer - Registration

1:15 - 4:30 PM Kon Tiki Ballroom

ISDP PERINATAL PRE-CONFERENCE SYMPOSIUM – Sponsored by the *International Perinatal Brain and Behavior Network (IPBBN)*

Senior perinatal scientists and their mentees will present their work as mentor-mentee pairs, focusing on the future of perinatal research and the next generation of international perinatal scientists. New findings and methods will be presented from the laboratories of: Suzanne King, Susanne Brummelte, Elisabeth Conradt, Bill Fifer, and Marion van den Heuvel.

4:50 - 5:00 PM Kon Tiki Ballroom

Welcome to ISDP – Nathan Fox, PhD, ISDP President

5:00 - 6:30 PM Kon Tiki Ballroom

S1 Sackler Symposium: FROM ANIMALS TO HUMANS: UNDERSTANDING THE EFFECTS OF MATERNAL IMMUNE ACTIVATION ON THE DEVELOPING OFFSPRING BRAIN AND ASSOCIATED BEHAVIORS ACROSS THE LIFESPAN - Symposium Co-Chairs: **Dustin Scheinost**, Yale University, New Haven, USA and **Marisa N. Spann**, Columbia University Department of Psychiatry, New York, USA

- 5:00 - 5:20 PM S1-1 DEVELOPMENTAL ORIGINS OF ADULT PREFRONTAL CORTICAL PARVALBUMIN INTERNEURON FUNCTIONAL DYSCONNECTIVITY, **Sarah Canetta**, Columbia University Medical Center
- 5:20 - 5:40 PM S1-2 PRENATAL AIR POLLUTION AND MATERNAL STRESS ALTER BRAIN DEVELOPMENT IN THE ANTERIOR CINGULATE CORTEX, **Carina Block**, Duke University
- 5:40 - 6:00 PM S1-3 MATERNAL INTERLEUKIN-6 CONCENTRATION DURING PREGNANCY IS ASSOCIATED WITH VARIATION IN FRONTOLIMBIC WHITE MATTER AND COGNITIVE DEVELOPMENT IN EARLY LIFE, **Jerod Rasmussen**, UC Irvine
- 6:00 - 6:20 PM S1-4 A TALE OF TWO IMMUNE MARKERS: MATERNAL IMMUNE ACTIVATION DURING THE 3RD TRIMESTER IS ASSOCIATED WITH NEONATAL FUNCTIONAL CONNECTIVITY AND FETAL TO TODDLER BEHAVIOR, **Dustin Scheinost**, Yale School of Medicine
- 6:20 - 6:30 PM Discussion, Q&A

6:30 - 7:00 PM Kon Tiki/Aviary Foyer

Welcome Reception – Visit the Exhibits

7:00 - 9:00 PM Aviary Ballroom - P1 Poster Session 1, Cash Bar Reception

P1-01 EFFECTS OF CONGENITAL BLINDNESS ON OLFACTORY FUNCTIONS AND BRAIN PLASTICITY, **Syrina Al Ain**, UQTR

P1-02 THE ASSOCIATIONS BETWEEN AGE, PUBERTY, AND THE ERROR-RELATED NEGATIVITY IN ADOLESCENCE ACROSS TWO INDEPENDENT SAMPLES, 🦋**Tyson Barker**, University of Oregon

P1-03 SECOND-BY-SECOND CHILD FRONTAL EEG ASYMMETRY AND CHILD BEHAVIOR PREDICT MATERNAL BEHAVIOR DURING AN INTERACTION TASK, **Martha Ann Bell**, Virginia Tech

P1-04 INCUBATION TEMPERATURE INFLUENCES FALL FREQUENCY IN BOBWHITE QUAIL NEONATES, 🦋**Starlie Belnap**, Florida International University

P1-05 COMPLEX HEART, COMPLEX MIND: THE FRACTAL NATURE OF HRV IN EARLY CHILDHOOD COGNITIVE CONTROL, **Daniel Berry**, Institute of Child Development, University of Minnesota

P1-06 ELECTROPHYSIOLOGICAL CHARACTERISTICS OF OXYTOCIN RECEPTOR EXPRESSING NEURONS IN ENDOPIRIFORM NUCLEUS ACROSS DEVELOPMENT OF MICE, **Lindsey Biggs**, Florida State University

P1-07 THE TREE AMONG THE FOREST: THE DEVELOPMENTAL TRAJECTORY OF THE GLOBAL PRECEDENCE EFFECT WITH AND WITHOUT THE USE OF INSTRUCTIONS, 🦋**Emily Blakley**, Binghamton University

P1-08 SOCIAL NETWORK DYNAMICS ACROSS TWO AFFILIATIVE, BUT RISKY, INTERACTIONS IN COLOMBIAN SPIDER MONKEYS (ATELES FUSCICEPS RUFIVENTRIS), 🦋**Emily Boeving**, Florida International University

P1-09 HINDLIMB STEPPING IN RESPONSE TO TREADMILL SPEED IN NEONATAL SPINAL-TRANSECTED RATS, 🦋**Aimee Bozeman**, Idaho State University

P1-10 ATTENTION IN INFANCY: A FOUNDATION FOR THE DEVELOPMENT OF SELF-REGULATION IN CHILDREN FROM LOW-SES BACKGROUNDS, 🦋**Annie Brandes-Aitken**, New York University

P1-11 PRESCHOOL FRONTO-FRONTAL EEG COHERENCE PREDICTS SOCIAL RESPONSIVENESS AT 9 YEARS, 🦋**Alleyne Broomell**, Virginia Tech

P1-12 THE EFFECTS OF PERFORMANCE-BASED INCENTIVES ON EXECUTIVE FUNCTIONS DURING EARLY CHILDHOOD, 🦋**Lauren Bryant**, University of Connecticut

P1-13 RAT MATERNAL BEHAVIOR TOWARDS HEALTHY PUPS COMPARED TO PUPS WITH NEURAL INJURY, 🦋**Nicholas Burgett**, Idaho State University

P1-14 ROLE-DIFFERENTIATED BIMANUAL MANIPULATION DIFFERENCES IN EFFICIENCY AMONGST DIFFERENT HANDEDNESS GROUPS, 🦋**Sarai Cortina**, Illinois State University

P1-15 THE INFLUENCE OF SHORT-TERM, PERINATAL BPA EXPOSURE ON AFFILIATIVE HUDDLING BEHAVIOR IN RAT PUPS AT 15 DAYS OF AGE, 🦋**Carly Drzewiecki**, University of Illinois

P1-16 DETECTION OF ILLUSORY CONTOURS: EYE-TRACKING DATA PROVIDES INSIGHT INTO YOUNG CHILDREN'S VISUAL DEVELOPMENT, 🦋**Nicholas Duggan**, Binghamton University

P1-17 HETEROGENEITY IN THE AUDITORY ERP RESPONSES OF YOUNG, TYPICALLY-DEVELOPING CHILDREN, 🦋**Patrick Dwyer**, UC Davis Department of Psychology

P1-18 RELATIONS AMONG INTERSENSORY PROCESSING, SOCIAL COMPETENCE, AND VOCABULARY SIZE IN INFANCY, 🦋**Elizabeth Edgar**, Florida International University

P1-19 EFFECTS OF BOOK DESIGN ON CHILDREN'S ATTENTION ALLOCATION AND LEARNING: AN EYETRACKING STUDY, 🦋**Cassandra Eng**, Carnegie Mellon University

P1-20 PRETERM BIRTH AND EARLY JOINT ATTENTION, 🦋**Angela Fenoglio**, University of Minnesota

P1-22 DEVELOPING MOTOR ABILITIES ALTER INFANTS' EVERYDAY EXPERIENCES, **John Franchak**, UC Riverside

P1-23 INFANT FRONTAL EEG, MATERNAL SENSITIVITY, AND TODDLER INHIBITORY CONTROL PREDICT PRESCHOOL BEHAVIORAL REGULATION, 🦋**Tatiana Garcia-Meza**, Virginia Tech

P1-24 NEURITE DENSITY PATTERNS IN THE CORPUS CALLOSUM: COMPARISON OF DIFFUSION-WEIGHTED IMAGING DENSITY METRICS, 🦋**Dea Garic**, Florida International University

P1-25 GROSS AND FINE MOTOR SKILLS DIFFERENTIALLY PREDICT EXPRESSIVE AND RECEPTIVE LANGUAGE OUTCOMES, 🦋 **Sandy Gonzalez**, Florida International University

P1-26 PRENATAL INCUBATION TEMPERATURE AFFECTS FEARFUL BEHAVIORS IN 1-DAY OLD BOBWHITE QUAIL CHICKS, 🦋 **Marien Govea**, Florida International University

P1-27 OXYTOCIN RECEPTOR EXPRESSION IN THE PERIPHERY OF NEONATAL RATS AND PRAIRIE VOLES, **Maria Greenwood**, Florida State University, Psychology Department, Neuroscience Program

P1-28 SIMILARITY AND DIFFERENTIATION ACROSS THE DEVELOPING CONNECTOME AND LINKS TO EFFECTIVE EMOTION REGULATION, 🦋 **Joao Guassi Moreira**, University of California, Los Angeles

P1-29 REFLECTIVE FUNCTIONING PREDICTS LOWER CARDIOVASCULAR REACTIVITY AND RECOVERY IN SCHOOL-AGED CHILDREN, **Kajung Hong**, University of California, Irvine

P1-30 PARENTAL DEPRESSIVE SYMPTOMS AND REFLECTIVE FUNCTIONING PREDICTING QUALITY OF RELATIONAL SAVORING: ASSOCIATIONS WITH CHILDREN'S BASELINE PHYSIOLOGICAL AROUSAL, **Kajung Hong**, University of California, Irvine

P1-31 INVOLVEMENT OF MEDIAL PREFRONTAL NMDA RECEPTORS IN THE ACQUISITION OF THE CONTEXT REPRESENTATION AND CONTEXT-SHOCK ASSOCIATION IN THE CPFE, **Colin Horgan**, University of Delaware Department of Psychological and Brain Sciences

P1-32 THE EFFECTS OF SLEEP PATTERNS, BEHAVIOR, CHARACTERISTICS AND SLEEP ENVIRONMENT ON THE ACADEMIC PERFORMANCE AND HEALTH OF SELECTED GRADES 7 TO 10 STUDENTS, 🦋 **Katrina Marie Jolejole**, University of the Philippines Los Baños

P1-33 REWARD LEARNING BIASES SELECTIVE ATTENTION AMONG 9-12-MONTH-OLD INFANTS, **Brianna Keenan**, Tulane University

P1-34 CHILDREN'S LEARNING FROM DISTRACTION VARIES BY SELECTIVE ATTENTION ABILITY, **Jill King**, Tulane University

P1-35 VOCAL PROSODY IN CAREGIVER-INFANT PHYSIOLOGICAL AND EMOTIONAL INTERACTION DYNAMICS: APPLICATION OF A NEW MEASURE, 🦋 **Jacek Kolacz**, Indiana University

P1-36 EXTINCTION LEARNING IN HUMAN INFANTS, **Carolin Konrad**, Ruhr-Universität Bochum

P1-37 EVIDENCE FOR DISTINCT P300 AND LPP ERP COMPONENTS IN MOTHERS PROCESSING INFANT EMOTIONAL EXPRESSIONS, 🦋 **Sierra Kuzava**, Stony Brook University

P1-39 SLEEP DURATION IN PRESCHOOLERS RELATES TO BASELINE EEG BETA POWER AND EMOTIONAL DYSREGULATION, 🦋 **Diana Lopera-Perez**, Boston University, Universidad del Norte

P1-40 SPATIAL STRUCTURE OF MOBILE INFANTS' VISUAL EXPERIENCES IN NATURAL INTERACTION WITH CAREGIVERS AND OBJECTS, 🦋 **Chuan Luo**, University of California Riverside

P1-41 ARMS FREE SITTERS PERFORM MORE BIMANUAL OBJECT COMBINATIONS, THAN PROP SITTERS, 🦋**Emily Marcinowski**, Virginia Commonwealth University

P1-42 HUMAN AND MONKEY INFANT ATTENTION TO DYNAMIC SOCIAL AND ABSTRACT STIMULI, **SARAH MAYLOTT**, University of Miami

P1-43 THE POWER OF INTERSTIMULUS INTERVAL: USE OF PREPULSE INHIBITION FOR THE ASSESSMENT OF TEMPORAL PROCESSING IN RODENTS, 🦋**Kristen McLaurin**, University of South Carolina

P1-44 DEVELOPMENT OF INTERSENSORY PERCEPTION OF SOCIAL EVENTS: LONGITUDINAL TRAJECTORIES ACROSS 6-24 MONTHS OF AGE, 🦋**Myriah McNew**, Florida International University

P1-45 LINKS BETWEEN PARENT AND CHILD RESPONDING TO EMOTIONAL CUES, 🦋**Adriana Mendez Leal**, UCLA

P1-46 INFANT HANDEDNESS: DEVELOPMENTAL CASCADE OR SERIAL HOMOMOLOGY?, **George Michel**, University of North Carolina-Greensboro

P1-47 WHETHER MOVEMENTS RECORDED WITH THE ACTIGRAPHS ARE PREDICTED BY SUPINE HEAD ORIENTATION PREFERENCE?, 🦋**Leanne Mordan**, Illinois State University

P1-48 EPIGENETIC MARKERS OF ERLY EXPERIENCES AND DYADIC ENGAGEMENT DURING INFANCY, **Isabelle Mueller**, University of Massachusetts Boston

P1-49 THE RELATIVE DEVELOPMENT AND TRAJECTORY OF EXECUTIVE FUNCTIONS ACROSS THE LIFESPAN, **Jennifer Nosker**, Fielding Graduate University

P1-51 THE EFFECTS OF PARENTAL INSTRUCTION QUALITY AND PHYSIOLOGICAL RECOVERY ON CHILDREN'S ACADEMIC ACHIEVEMENT, **Karishma Patel**, University of California, Riverside

P1-52 THE RELATION BETWEEN INFANT SUPINE HEAD ORIENTATION PREFERENCE, ARM/HAND MOVEMENTS, AND HAND PREFERENCE FOR OBJECT ACQUISITION, 🦋**Duangporn Pattanakul**, Illinois State University

P1-53 THE RELATION BETWEEN MATERNAL AND CHILD NEUROBIOLOGICAL MARKERS OF EMOTION PROCESSES: EXAMINING THE ROLE OF PARENTING BEHAVIORS, **Randi Phelps**, Miami University

P1-54 EFFECTS OF NATIVITY ON THE RELATIONSHIP BETWEEN SLEEP QUALITY AND PARENT-REPORTED CHILD BEHAVIOR, 🦋**Tiffany Phu**, University of Denver

P1-55 ASSOCIATIONS BETWEEN CHILDHOOD SLEEP AND NEURAL CORRELATES OF EMOTION RESPONSIVITY AND REGULATION, 🦋**Brooke Reidy**, Emory University

P1-56 DOMAIN-SPECIFICITY IN THE INTERGENERATIONAL TRANSMISSION OF EXECUTIVE FUNCTIONS, 🦋**Andrew Ribner**, New York University

P1-57 USING THE REFERENT SELECTION TASK TO TEST MUTUAL EXCLUSIVITY IN MONOLINGUAL AND BILINGUAL 2-YEAR-OLDS, 🇵🇸 **Joscelin Rocha Hidalgo**, Georgetown University

P1-58 ASSOCIATIONS BETWEEN NEONATAL ELECTROCORTICAL POWER DURING SLEEP AND NEURODEVELOPMENTAL OUTCOME IN TODDLERS, 🇵🇸 **Daianna Rodriguez**, New York State Psychiatric Institute

P1-59 SOCIAL EXCLUSION EFFECTS OF REJECTION SENSITIVITY ON RISK TAKING DECISIONS, **Garrett Ross**, University of Oregon

P1-61 USING FNIRS TO INVESTIGATE IMITATION LEARNING FOLLOWING LIVE AND VIDEOCHAT INTERACTIONS DURING EARLY CHILDHOOD, 🇵🇸 **Sylvia Rusnak**, Georgetown University

P1-62 DEVELOPMENTAL NEUROGENESIS AND APOPTOSIS ARE ALTERED BY PERINATAL PHTHALATE EXPOSURE IN THE RAT MEDIAL PREFRONTAL CORTEX, 🇵🇸 **Elli Sellinger**, University of Illinois Urbana-Champaign

P1-65 MATERNAL PRE-PREGNANCY BMI IS ASSOCIATED WITH FETAL BRAIN DEVELOPMENT AND TODDLER SOCIAL ABILITIES, **Marisa Spann**, Columbia University Medical Center

P1-66 AN EYE-TRACKING SERIAL REACTION TIME TASK AS A MEASURE OF PROCEDURAL LEARNING IN 9-MONTH-OLD INFANTS, **Annette Sundqvist**, Linköpings universitet

P1-67 THE RELATIONSHIP BETWEEN INFANT EQUIPMENT USE AND MOTOR MILESTONES DURING THE FIRST 18 MONTHS, 🇵🇸 **Hillary Swann**, Idaho State University

P1-68 ORAL OXYTOCIN ALTERS BRAIN ACTIVATION AND BEHAVIORS OF DEVELOPING MICE IN A DOSE, AGE, AND SEX DEPENDENT MANNER, 🇵🇸 **Manal Tabbaa**, Florida State University

P1-69 EARLY GRASPING SKILL PREDICTS LATER GROWTH IN BIMANUAL SKILL IN INFANTS, 🇵🇸 **Megan Taylor**, Florida International University

P1-70 COSLEEPING AND BIO-BEHAVIORAL SELF-REGULATION IN INFANTS, 🇵🇸 **Charu Tuladhar**, Boston University

P1-71 TRIGEMINAL GANGLIA CORRELATES OF HYPOTHALAMIC OXYTOCIN PRODUCTION IN NEONATAL MICE, **Radhika Vaidyanathan**, Florida State University

P1-72 SOCIAL RELATIONSHIPS CONTRIBUTE TO PHENOTYPIC VARIATION WITHIN CAGES OF LABORATORY MICE, 🇵🇸 **Justin Varholick**, University of Bern

P1-73 EYEBLINK CONDITIONING AS A BIOMARKER FOR CHILDREN'S SUCCESS ON SPATIAL REORIENTATION TESTS, 🇵🇸 **Vanessa Vieites**, Florida International University

P1-74 EVIDENCE FOR AUTONOMIC CO-REGULATION THROUGH VOCALIZATION OF MOTHERS AND PRETERM INFANTS DURING A 4-MONTH FOLLOW-UP, **Martha Welch**, Columbia University Medical Center

P1-75 PATERNAL HIGH FAT DIET AFFECTS EXPRESSION OF HYPOTHALAMIC POMC IN THE OFFSPRING: A POTENTIAL EPIGENETIC MECHANISM FOR OBESITY, **Aron Weller**, Bar-Ilan University

P1-76 AGE-OF-ONSET AND SEX INFLUENCE ESCALATION OF METHAMPHETAMINE SELF-ADMINISTRATION, SUBSEQUENT RECOGNITION MEMORY, AND NEUROADAPTATIONS IN SPRAGUE-DAWLEY RATS, 🦋**Sara Westbrook**, University of Illinois Urbana-Champaign

P1-77 DEVELOPMENTAL CHANGES IN FRONTO-CENTRAL EEG ACROSS INFANCY ARE RELATED TO LANGUAGE AND EXECUTIVE FUNCTIONS IN CHILDREN, 🦋**Margaret Whedon**, University of North Carolina at Greensboro

P1-78 ONE-SHOT LEARNING OF ABSTRACT OBJECT CONCEPTS IN VISUALLY NAIVE ANIMALS, **Samantha Wood**, University of Southern California

P1-79 USING AUTOMATED CONTROLLED REARING TO EXPLORE THE ORIGINS OF OBJECT RECOGNITION, **Justin Wood**, University of Southern California

P1-80 DISSOCIATING LONG AND SHORT-TERM MEMORY IN 3-MONTH-OLD INFANTS USING THE MISMATCH RESPONSE TO VOICE STIMULI, 🦋**Katharina Zinke**, University of Tübingen

P1-81 CREATING A COMPUTER-ASSISTED METHODOLOGY FOR DEVELOPMENTAL ANALYSES ON MULTITASKING COSTS IN SPEED AND ACCURACY, **Joseph Lou**, Oxford Academy

7:00 – 8:30 AM Rousseau Suite – ISDP Board Meeting

7:30 – 8:30 AM Kon Tiki/Aviary Ballroom Foyer – Continental Breakfast

8:30 – 10:00 AM Kon Tiki Ballroom

S2 THE TWO SIDES OF EARLY LIFE ADVERSITY: VULNERABILITY VS OPPORTUNITY -
Symposium Chair: Jee Hyun Kim, The Florey Institute of Neuroscience and Mental Health, Parkville,
Australia; Co-Chair: Christina J. Perry, Florey Institute of Neuroscience and Mental Health,
Melbourne, Australia

- 8:30 - 8:45 AM S2-1 UNDERSTANDING THE CAREGIVERS UNIQUE ACCESS TO PROGRAMMING THE INFANT BRAIN: CAREGIVER PRESENCE MODIFIES NEURAL NETWORKS PROCESSING OF TRAUMA, **Regina Sullivan**, Nathan Kline Institute & NYU School Medicine
- 8:45 - 9:00 AM S2-2 HOT BABY: HOW EARLY LIFE INFLAMMATION PROGRAMS THE BRAIN, **Quentin Pittman**, University of Calgary
- 9:00 - 9:15 AM S2-3 ADAPTATION OF THREAT-RELATED NEUROBIOLOGY FOLLOWING EARLY PARENTAL DEPRIVATION, **Nim Tottenham**, Columbia University
- 9:15 - 9:30 AM S2-4 EFFECT OF JUVENILE STRESS ON ASSOCIATIVE PLASTICITY AND MEMORY, **Sreedharan Sajikumar**, National University of Singapore
- 9:30 - 9:45 AM S2-5 RUNNING AWAY FROM LONELINESS: CAN EXERCISE IMPROVE ANXIETY STEMMING FROM SOCIAL ISOLATION?, **Christina Perry**, Florey Institute of Neuroscience and Mental Health
- 9:45 - 10:00 AM Discussion, Q&A
- 10:00 - 10:30 AM Coffee Break - Visit the Exhibitors - Kon Tiki/Aviary Foyer

10:30 – 12:00 PM Kon Tiki Ballroom

S3 ACQUIRING KNOWLEDGE: A MULTIMETHOD AND MULTISPECIES SYMPOSIUM ON LEARNING - Symposium Chair: Jennifer Silvers, University of California, Los Angeles, Los Angeles, USA

- 10:30 - 10:45 AM S3-1 LEARNING TO ATTEND: 2D AND NATURALISTIC ENVIRONMENTS REQUIRE DIFFERENT LEARNING SYSTEMS, **Dima Amso**, Brown University
- 10:45 - 11:00 AM S3-2 ASSOCIATIONS AMONG SOCIOECONOMIC STATUS, HOME LANGUAGE ENVIRONMENT, AND RESTING EEG DURING INFANCY, **Natalie Brito**, New York University
- 11:00 - 11:15 AM S3-3 MEMORY MATURATION: UNDERSTANDING THE ROLE OF THE HIPPOCAMPUS IN LONG-TERM MEMORY FORMATION ACROSS DEVELOPMENT, **Bridget Callaghan**, Columbia University

- 11:15 - 11:30 AM S3-4 OBSERVATIONAL LEARNING AS A MECHANISM FOR TRANSGENERATIONAL TRANSMISSION OF FEAR, **Jennifer Silvers**, UCLA
- 11:30 - 11:45 AM S3-5 AGE DIFFERENCES IN THE IMPACT OF SAFETY SIGNALS ON FEAR EXPRESSION AND REGULATION, **Heidi Meyer**, Weill Cornell Medicine
- 11:45 - 12:00 PM Discussion, Q&A
- 12:00 - 1:30 PM Lunch On Own - Catamaran Resort or Local Area Restaurants
- 12:00 - 1:30 PM Meet the Professors Lunch - Rousseau Suite (Space is limited, pre-registration/extra fee required)

1:30 - 2:30 PM Kon Tiki Ballroom

O1 Oral Session 1: Prenatal Influences

- 1:30 - 1:40 PM O1-1 THE INFLUENCE OF MATERNAL STRESS DURING PREGNANCY ON TODDLERS' SLEEP PROBLEMS: THE ROLE OF CORTICO-CEREBELLAR CONNECTIVITY IN UTERO, **Marion van den Heuvel**, Tilburg University
- 1:40 - 1:50 PM O1-2 DEVELOPMENTAL EXPOSURE TO FLUOXETINE (PROZAC) INCREASES ANXIETY- AND DEPRESSIVE-LIKE BEHAVIOURS AT ADOLESCENCE AND ALTERS GLUTAMATERGIC MARKERS IN THE PREFRONTAL CORTEX AND HIPPOCAMPUS, **Sam Millard**, Illawarra Health and Medical Research Institute, University of Wollongong
- 1:50 - 2:00 PM O1-3 PRENATAL MATERNAL STRESS PREDICTS TODDLER CORTISOL PROFILES AND CHILDHOOD ANXIETY SYMPTOMS: THE QF2011 FLOOD STUDY, **Mia Mclean**, The University of Queensland
- 2:00 - 2:10 PM O1-4 REGIONAL, AGE, AND SEX-SPECIFIC EFFECTS OF EARLY LIFE STRESS ON CENTRAL OXYTOCIN IN LONG-EVANS RATS, **Hannah Lapp**, University of Massachusetts, Boston
- 2:10 - 2:20 PM O1-5 FETAL AUTONOMIC FUNCTION AND INFANT COGNITIVE OUTCOME; EFFECTS OF PRENATAL EXPOSURE TO ALCOHOL AND SMOKING, **Lauren Shuffrey**, Columbia University Medical Center
- 2:20 - 2:30 PM Discussion, Q&A

2:30 - 3:00 PM Coffee Break - Visit the Exhibitors - Kon Tiki/Aviary Foyer

3:00 - 4:00 PM Presidential Address - Kon Tiki Ballroom

ISDP PRESIDENT'S ADDRESS: **Nathan A. Fox**, Distinguished University Professor, University of Maryland, Child Development Lab: College Park, USA

4:15 - 5:15 PM Kon Tiki Ballroom

O2 Oral session 2: Early interaction

4:15 - 4:25 PM O2-1 WITHDRAWAL EMOTION DISPLAY PREDICTS HEIGHTENED PHYSIOLOGICAL REACTIVITY FOR CHILDREN WITH DISMISSING ATTACHMENT, **Alison Goldstein**, University of California, Irvine

4:25 - 4:35 PM O2-2 IN VIVO RESPONSES TO INFANT VOCALIZATIONS IN THE PARAVENTRICULAR HYPOTHALAMUS, **Silvana Valtcheva**, New York School of Medicine

4:35 - 4:45 PM O2-3 PHYSIOLOGICAL SYNCHRONY BETWEEN INFANTS AND MOTHERS IN THE STILL FACE PARADIGM, **Drew Abney**, Indiana University, Bloomington

4:45 - 4:55 PM O2-4 INTERRUPTION OF INTERACTIONS BY TEXTING IMPAIRS LEARNING IN 19-MONTH-OLD-INFANTS, **Carolin Konrad**, Ruhr-Universität Bochum

4:55 - 5:05 PM O2-5 PARENTAL WARMTH AND RESPONSIVITY BUFFERS MALADAPTIVE DIURNAL CORTISOL PATTERNING IN INFANTS AND TODDLERS FROM LOW INCOME, HIGH RISK FAMILIES, **Lisa Schlueter**, Children's Hospital Los Angeles, Saban Research Institute

5:05 - 5:15 PM Discussion, Q&A

5:30 - 7:30 PM Aviary Ballroom - P2 Poster Session 2, Cash Bar Reception

P2-01 PARENTING AFTER STRESS: THE EFFECT OF GESTATIONAL ADVERSITY ON THE TRANSITION TO, AND PERSISTENCE OF, MOTHERHOOD, **Sarah Altmann**, University of New South Wales

P2-02 ANXIETY FACILITATES AFFECTIVE THEORY OF MIND IN TYPICALLY DEVELOPING ADULTS BUT NOT ADULTS WITH AUTISM SPECTRUM DISORDER, **Melody Altschuler**, Yale Child Study Center

P2-03 EARLY ADVERSITY AND CURRENT LIFE STRESS AS PREDICTORS OF CORTISOL DYSREGULATION, **Lisa Badanes**, Metropolitan State University of Denver

P2-04 POORER FLUID INTELLIGENCE AT 8 YRS IS ASSOCIATED WITH HIGHER NEONATAL PAIN-RELATED STRESS IN GIRLS BORN VERY PRETERM, **Mark Bichin**, British Columbia Childrens Hospital Research Institute

P2-05 LONGITUDINAL CHANGE IN AMYGDALA REACTIVITY TO EMOTIONAL FACES FROM EARLY CHILDHOOD THROUGH YOUNG ADULthood, **Paul Bloom**, Columbia University

P2-06 CHILDHOOD CYTOKINE PROFILES ARE ALTERED BY PRENATAL ALCOHOL EXPOSURE: RISK VS. RESILIENCE SIGNATURES, 🦋**Tamara Bodnar**, University of British Columbia

P2-07 CORTISOL AND HEART-RATE REACTIVITY AND REGULATION PREDICT EXECUTIVE FUNCTIONS IN LOW-INCOME CHILDREN, **Stephen Braren**, New York University

P2-08 CHILDHOOD ADVERSITY, CORTISOL AWAKENING RESPONSE, AND MULTISYSTEMIC THERAPY OUTCOMES, 🦋**April Brown**, Emory University

P2-09 OVER STRESSED AND OVERWEIGHT? NEIGHBORHOOD STRESS MODERATES THE RELATIONSHIP BETWEEN BIOLOGICAL STRESS RESPONSE AND BMI IN URBAN YOUTH, 🦋**Bridget Brush**, DePaul University

P2-10 DEVELOPMENTAL ASTHMA LEADS TO LONG-TERM CHANGES IN LUNG FUNCTION, ANXIETY-RELATED BEHAVIOR, AND GENE EXPRESSION RELATED TO EMOTION REGULATION, **Sonia Cavigelli**, Pennsylvania State Univ

P2-11 LET'S LOOK AT BRAIN-GUT INTERACTION FROM A FORENSIC SCIENTIST'S PERSPECTIVE, 🦋**Filiz Çevik**, Istanbul University, Institute of Forensic Sciences

P2-12 NEURAL CORRELATES OF EMOTIONAL PICTURE PROCESSING IN SCHOOL-AGED CHILDREN, 🦋**Mariya Chernenok**, University of California-Davis

P2-13 PARENTING MATTERS! ENGAGEMENT, MATERNAL STRESS, AND EMOTIONAL REACTIVITY IN PRESCHOOL-AGED CHILDREN, 🦋**Madeleine Cohen**, Emory University

P2-14 NEURAL MECHANISMS OF STRESSOR CONTROLLABILITY ACROSS HUMAN DEVELOPMENT: PRELIMINARY FINDINGS, 🦋**Emily Cohodes**, Yale University

P2-15 CORTISOL MODERATES THE ASSOCIATION BETWEEN CHRONIC POVERTY AND SOCIOEMOTIONAL PROBLEMS IN EARLY CHILDHOOD, 🦋**Meriah DeJoseph**, University of Minnesota

P2-16 EARLY LIFE ADVERSITY, ATTACHMENT AND CARDIOVASCULAR BLOOD PRESSURE REACTIVITY AND RECOVERY, **Shruthi Venkatesh**, Berger Institute for Work, Family & Children, Claremont Mckenna College

P2-18 CORTISOL REACTIVITY IN PRESCHOOLERS: THE ROLE OF SETTING AND CHILD-RELATED FACTORS, 🦋**Amy Dominguez**, University of Denver

P2-19 IMPACT OF CHRONIC EARLY LIFE ADVERSITY ON FEAR EXTINCTION IN JUVENILE AND ADOLESCENT RATS, 🦋**Katherine Drummond**, The Florey Institute of Neuroscience and Mental Health

P2-20 EARLY LIFE STRESS, PROINFLAMMATORY BIAS, AND SOMATIC COMPLAINTS IN ADOLESCENCE, 🦋**Melissa Engel**, University of Minnesota

P2-21 PARENTAL ANXIETY MEDIATES THE ASSOCIATION BETWEEN NORMATIVE STRESS EXPOSURE AND PRESCHOOL BEHAVIOR, 🦋**Andrea Fields**, Columbia University

P2-22 PREECLAMPSIA AND POLYCYSTIC OVARY SYNDROME ARE ASSOCIATED WITH INCREASED AUTISM RISK: THE ROLE OF MATERNAL TESTOSTERONE IN MALE SUCEPTIBILITY, 🇺🇸 **Morgan Firestein**, Columbia University

P2-23 THE EFFECTS OF EARLY LIFE STRESS ON STRIATAL DOPAMINE AND DEPRESSIVE-LIKE BEHAVIOR, **Meghan Gallo**, Brown University

P2-24 INTERPERSONAL STRESS AND SUBSEQUENT SLEEP DISTURBANCE MEDIATE THE RELATIONSHIP BETWEEN SEXUAL MINORITY STATUS AND SUICIDALITY IN YOUTH, **Savannah Gibbs**, Birmingham-Southern College

P2-25 EARLY LIFE STRESS LEADS TO SEX-SPECIFIC ALTERATIONS IN THE FORMATION OF PERINEURONAL NETS AROUND PARVALBUMIN-EXPRESSING INTERNEURONS IN THE DEVELOPING RAT PREFRONTAL CORTEX, 🇺🇸 **Kelsea Gildawie**, Northeastern University

P2-26 PROMOTING SHY TODDLERS' PHYSIOLOGICAL REGULATION DURING LOW- AND MODERATELY-THREATENING SOCIAL CONTEXTS, **Jessica Grady**, University of the Pacific

P2-27 DEVELOPMENTAL TRAUMA AS AN INDICATOR FOR FIBROMYALGIA, **Helen Grzeskiewicz**, Fielding Graduate University

P2-28 DEPRESSIVE SYMPTOMS, MELATONIN RECEPTOR 1B GENE RS10830963 POLYMORPHISM AND GLYCEMIC TRAITS, **Kadri Haljas**, University of Helsinki

P2-29 MATERNAL TRAUMA HISTORY, PRENATAL GLUCOCORTICOIDS, MATERNAL-INFANT ATTACHMENT, AND INFANT TEMPERAMENT, 🇺🇸 **Jennifer Hambleton**, Idaho State University

P2-30 HOT AND BOTHERED? AN ANALYSIS OF THERMAL AND DYADIC CONTRIBUTIONS TO ANXIETY IN THE OPEN FIELD, **Christopher Harshaw**, University of New Orleans

P2-31 SENSITIZATION OF DEPRESSIVE-LIKE BEHAVIOR FOLLOWING REPEATED ATTACHMENT-FIGURE SEPARATION IS ASSOCIATED WITH ALTERED EXPRESSION OF HYPOTHALAMIC NEUROIMMUNE SIGNALING MOLECULES, **Michael Hennessy**, Wright State University

P2-32 PREFRONTAL AND CHOLINERGIC MECHANISMS OF IMPAIRED COGNITION AFTER DEVELOPMENTAL ALCOHOL EXPOSURE IN RATS, 🇺🇸 **Nicholas Heroux**, University of Delaware

P2-33 ALTERED CORTICOLIMBIC CONNECTIVITY ACROSS DEVELOPMENT IN A RAT MODEL OF EARLY ADVERSITY: EVIDENCE FROM FMRI AND NEUROANATOMICAL TRACING SUGGEST SEX-DEPENDENT EFFECTS OF EARLY EXPERIENCE, 🇺🇸 **Jennifer Honeycutt**, Northeastern University

P2-34 HISTORY OF MOOD DISORDER DETERMINES ASSOCIATIONS BETWEEN PERINATAL REPRODUCTIVE HORMONES AND RISK FOR POSTPARTUM DEPRESSION, 🇺🇸 **Mariann Howland**, University of California, Irvine

P2-35 MATERNAL SEPARATION ALTERS DISTRIBUTION OF ISOLATION USV TYPES, **Jasmine Kaidbey**, Columbia University

P2-36 MATERNAL EARLY PREGNANCY BODY MASS INDEX AND DIURNAL CORTISOL IN YOUNG ADULT OFFSPRING, **Satu Kumpulainen**, University of Helsinki

- P2-37 FEAR SPECIFIC ATTENTIONAL BIASES IN PRESCHOOL AGED CHILDREN, 🇺🇸 **Carolyn Lasch**, University of Minnesota - Twin Cities
- P2-38 RECOVERY MATTERS: INVESTIGATING THE FULL PHYSIOLOGICAL RESPONSE PROFILE IN RELATION TO MARKERS OF PSYCHOPATHOLOGY, 🇺🇸 **Keira Leneman**, University of Minnesota
- P2-39 EPIGENETIC CHANGES IN HPA AXIS ASSOCIATED WITH INSTITUTIONAL REARING AND BEHAVIOR PROBLEMS IN YOUNG CHILDREN, 🇺🇸 **Rebecca Lipschutz**, University of Houston
- P2-40 FRONTAL EEG ASYMMETRY MODERATES THE ASSOCIATIONS BETWEEN NEGATIVE TEMPERAMENT AND BEHAVIORAL PROBLEMS DURING MIDDLE CHILDHOOD, 🇺🇸 **Ran Liu**, Virginia Tech
- P2-41 THE RELATIONSHIP BETWEEN INFANT'S EEG ASYMMETRY AND POSITIVE AFFECT SYNCHRONY AMONG MOTHERS WITH A HISTORY OF DEPRESSION AND THEIR INFANTS, **Meeka Maier**, Emory University
- P2-42 EARLY LIFE STRESS IS ASSOCIATED WITH PRECOCIOUS AMYGDALA DEVELOPMENT AND DELAYED PREFRONTAL DEVELOPMENT, **Gabriela Manzano Nieves**, Brown University
- P2-43 EFFECTS OF SOCIAL-EMOTIONAL DEPRIVATION AND EARLY INTERVENTION ON INFANT DNA METHYLATION, 🇺🇸 **Christiana Martin**, University of Delaware
- P2-44 RELATIONSHIP BETWEEN STEREOTYPIC MOVEMENT DISORDER AND OBSESSIVE COMPULSIVE DISORDER, **Karli Martin**, Albizu University
- P2-45 POLYGENIC RISK MODERATES INFLUENCE OF MATERNAL PRENATAL STRESS ON OFFSPRING INTERNALIZING SYMPTOMS AT AGE 20, 🇺🇸 **Brooke McKenna**, Emory University
- P2-46 INATTENTION AND HYPERACTIVITY SYMPTOMS IN ADOLESCENT MOTHERS. DO THEY INCREASE RISK OF TEENAGE PREGNANCY?, **Francisco Meillon**, Universidad Panamericana
- P2-47 DIFFERENTIAL INVOLVEMENT OF AMYGDALAR NMDA RECEPTORS ACROSS VARIANTS OF CONTEXTUAL FEAR CONDITIONING IN ADOLESCENT RATS, 🇺🇸 **Lauren Miller**, University of Delaware
- P2-48 MATERNAL CARE CONTROLS THE DEVELOPMENT OF FEAR LEARNING IN ADOLESCENT NONHUMAN PRIMATES: RELATIONSHIP WITH PREFRONTAL 5HT1A RECEPTOR BINDING & GUT MICROBIOME, 🇺🇸 **Elyse Morin**, Emory University
- P2-49 PATERNAL ALCOHOL EXPOSURE REDUCES REINSTATEMENT OF ALCOHOL SEEKING IN RAT OFFSPRING, **Steven Nieto**, University of Houston
- P2-50 POST-PARTUM ANXIETY: EXPLORING THE DIFFERENCES BETWEEN PRIMIPAROUS AND MULTIPAROUS WOMEN ACROSS SOME PSYCHOSOCIAL FACTORS, 🇺🇸 **Ajoke Olatunji**, Federal university oye ekiti

P2-51 SEX DIFFERENCES IN DORSAL AND VENTRAL HIPPOCAMPUS INVOLVEMENT DURING EXTINCTION IN JUVENILE RATS, 🦋**Chun Hui Park**, The University of Melbourne/The Florey Institute of Neuroscience and Mental Health

P2-52 ADOLESCENT SEX DIFFERENCES IN FEAR EXTINCTION, 🦋**Christina Perry**, Florey Institute of Neuroscience and Mental Health

P2-53 A CROSS-SPECIES EXAMINATION OF THE BIO-BEHAVIORAL IMPACT OF POVERTY ON EXECUTIVE FUNCTION, 🦋**Rosemarie Perry**, New York University

P2-54 COREGULATION OF RESPIRATORY SINUS ARRHYTHMIA DURING MOTHER-CHILD INTERACTION., 🦋**Nicole Perry**, University of Minnesota

P2-55 EMOTION REGULATION AND CORTISOL REACTIVITY DURING A SOCIAL EVALUATIVE STRESSOR: A STUDY OF INTERNATIONALLY-ADOPTED YOUTH, 🦋**Nicole Perry**, University of Minnesota

P2-56 PRENATAL CORTISOL EXPOSURES PREDICT FETAL AND INFANT RESPONSE TO CHALLENGE, **Gage Peterson**, Chapman University

P2-57 PHARMACOLOGICAL PREVENTION OF ABERRANT DNA METHYLATION INDUCED BY PERINATAL MALTREATMENT, 🦋**Natalia Phillips**, University of Delaware

P2-58 TOO SHY TO SPEAK? DISTINGUISHING SELECTIVE MUTISM AND SOCIAL ANXIETY DISORDER IN CHILDREN, 🦋**Kristie Poole**, McMaster University

P2-59 MATERNAL POSTPARTUM SSRI INFLUENCES OFFSPRING MICROBIOME AND NEUROINFLAMMATION IN A SEX-SPECIFIC MANNER, 🦋**Wansu Qiu**, University of British Columbia

P2-60 ACUTE EARLY LIFE STRESS YIELDS INCUBATION OF FEAR, RESISTANCE TO EXTINCTION, AND DECREASED SOCIAL INTERACTION, **Jennifer Quinn**, Miami University

P2-61 THE EFFECTS OF JUVENILE STRESS ON BEHAVIORAL TAGGING AND ASSOCIATIVE PLASTICITY, 🦋**Radha Raghuraman**, National University of Singapore

P2-62 PRENATAL ALCOHOL EXPOSURE AND EARLY-LIFE ADVERSITY: UNIQUE AND INTERACTIVE EFFECTS ON EMOTIONAL REGULATION AND IMMUNE FUNCTION, **Charlis Raineke**, University of British Columbia

P2-63 EARLY MATERNAL DEPRIVATION DECREASES PREFRONTAL EEG POWER IN RAT PUPS, **Manon Ranger**, Columbia University

P2-64 EARLY LIFE ADVERSITY WITH HEIGHT STUNTING IS ASSOCIATED WITH CARDIOMETABOLIC RISK IN ADOLESCENTS INDEPENDENT OF BMI, 🦋**Brie Reid**, University of Minnesota

P2-65 MATERNAL REGULATION OF THREAT, DOPAMINE, AND VTA-AMYGDALA CONNECTIVITY IN DEVELOPING RAT PUPS, 🦋**Patrese Robinson-Drummer**, New York University Medical Center

P2-66 ASSOCIATIONS OF PRENATAL MATERNAL EXPOSURE TO SSRIS AND FUNCTIONAL CONNECTIVITY ORGANIZATION UNDERLYING EMOTION PERCEPTION IN 8 MONTH OLD INFANTS – PRELIMINARY RESULTS, 🇺🇸**Naama Rotem-Kohavi**, University of British Columbia

P2-67 GRAPH ANALYSIS OF RESTING STATE FMRI FOLLOWING MATERNAL SSRI EXPOSURE IN THE NEONATAL BRAIN, 🇺🇸**Naama Rotem-Kohavi**, University of British Columbia

P2-68 MATERNAL PRENATAL OXYTOCIN AND ANXIOUS ATTACHMENT STYLE ARE POSITIVELY ASSOCIATED WITH SYMPTOMS OF DEPRESSION AND ANXIETY, **Darby Saxbe**, University of Southern California

P2-69 PARENTAL WARMTH AND RESPONSIVITY IS ASSOCIATED WITH DIFFERENTIAL METHYLATION PATTERNS FOR INFANTS AND TODDLERS FROM LOW INCOME, HIGH RISK FAMILIES, 🇺🇸**Lisa Schlueter**, Children's Hospital Los Angeles, Saban Research Institute

P2-70 GETTING TO KNOW YOU: SELF-REPORTED SOCIAL ANXIETY AT AGE 12 PREDICTS RESPIRATORY SINUS ARRHYTHMIA DURING AN UNFAMILIAR SOCIAL INTERACTION AT AGE 15, 🇺🇸**Kaylee Seddio**, University of Maryland - College Park

P2-71 CONTEXTUAL FEAR MEMORY FORMATION PROMOTES PSD-95 PHOSPHORYLATION AND MODULATES AMPAR SUBUNITS DIFFERENTIALLY BETWEEN ADULT AND JUVENILE RATS, **Harry Shair**, New York State Psychiatric Institute

P2-72 FOSTER PARENT SENSITIVITY AND YOUNG CHILDREN'S DIURNAL CORTISOL RHYTHMS, **Aline Szenczy**, Stony Brook University

P2-73 CORTISOL AND SOCIOECONOMIC STATUS IN EARLY CHILDHOOD: A MULTIDIMENSIONAL ASSESSMENT, **Amanda Tarullo**, Boston University

P2-74 DIFFERENTIAL EFFECTS OF EARLY LIFE STRESS ON COGNITIVE CONTROL AND ANXIETY SYMPTOMS, **Yael Waizman**, University of California, Los Angeles

P2-75 EFFECTS OF PRECONCEPTIONAL AND GESTATIONAL OPIOID (BUPRENORPHINE) EXPOSURE IN RATS ON NEURODEVELOPMENT IN MALE AND FEMALE OFFSPRING, 🇺🇸**Chela Wallin**, Wayne State University

P2-76 DIFFERENTIAL RESPONSE IN MALE AND FEMALE INFANT RATS TO MATERNAL PRESENCE DURING FEAR CONDITIONING, 🇺🇸**Amanda White**, University of Michigan

P2-77 ANTENATAL EXPOSURE TO SYNTHETIC GLUCOCORTICOID HAS ADVERSE EFFECTS ON OFFSPRING MENTAL HEALTH, **Elina Wolford**, University of Helsinki

P2-78 OXYCODONE AND THE FEMALE RAT: DEVELOPMENT OF AN ORAL SELF-ADMINISTRATION PROTOCOL AND EFFECTS ON INFANT BEHAVIOR AND COMMUNICATION, 🇺🇸**Giulia Zanni**, childrens hospital of philadelphia

P2-79 THE CONTEXT-DEPENDENT NATURE OF AUTONOMIC NERVOUS SYSTEM FUNCTIONING: RESPONSES TO EMOTIONAL AND COGNITIVE CHALLENGES DURING EARLY CHILDHOOD, 🇺🇸**Selin Zeytinoglu**, University of North Carolina-Greensboro

P2-80 DEVELOPMENTAL CHANGES IN SKIN CONDUCTANCE AMONG CHILDREN WITH ELEVATED EXTERNALIZING SYMPTOMS, 🇺🇸**Xutong Zhang**, The Pennsylvania State University

P2-81 LINKING SHYNESS, PHYSIOLOGICAL REGULATION, AND OBSERVED BEHAVIOR IN PRESCHOOLERS, **Raha Hassan**, McMaster University

P2-82 INTERSENSORY REDUNDANCY, SELECTIVE ATTENTION, AND NEURAL CORRELATES OF PERCEPTUAL PROCESSING IN INFANCY, **Kelly Roth**, University of Tennessee Knoxville

P2-83 THE EFFECTS OF SPATIAL CUEING ON NEURAL CORRELATES OF INFANT ATTENTION AND PERCEPTUAL PROCESSING, **William Chollman**, University of Tennessee Knoxville

P2-84 THE ROLE OF BOUNDARIES IN SPATIAL COGNITION: A COMPARATIVE APPROACH, **Sang Ah Lee**, Korea Advanced Institute of Science and Technology

7:30 – 8:30 AM Kon Tiki/Aviary Ballroom Foyer – Continental Breakfast

8:00 – 8:30 AM Kon Tiki Ballroom – ISDP Members Business Meeting and Awards , Student/Postdoc Travel Awards Distributed

8:30 – 10:00 AM Kon Tiki Ballroom

O3 Oral session 3: Brief talks on early environment

Moderator: Nathan Fox, University of Maryland

- 8:30 - 8:40 AM O3-1 PSYCHOSOCIAL STRESS IN INFANCY PREDICTS GREATER CARDIOMETABOLIC RISK IN ADOLESCENCE: A PROSPECTIVE LONGITUDINAL STUDY OF CHILEAN INFANTS, 🦋 **Jenalee Doom**, University of Michigan
- 8:40 - 8:50 AM O3-2 DEVELOPMENTAL PSYCHOPATHOLOGY AFTER MALTREATMENT AND DISORDERED ATTACHMENT WITHIN THE STRANGE SITUATION TEST: INSIGHTS FROM AN ANIMAL MODEL, 🦋 **Maya Opendak**, New York University Langone Medical Center
- 8:50 - 9:00 AM O3-3 DEVELOPMENTAL CONSEQUENCES OF MALTREATMENT: MULTI-LEVEL PATHWAYS BETWEEN EXTERNALIZING BEHAVIOR, CORTISOL, AND PEER AGGRESSION, 🦋 **Carrie DePasquale**, Institute of Child Development
- 9:00 - 9:10 AM O3-4 INTERPLAY BETWEEN SLEEP, BEHAVIORAL MATURATIONAL STATUS AND GUT BACTERIA IN INFANT DEVELOPMENT, 🦋 **Sarah Schoch**, University Hospital Zurich
- 9:10 - 9:20 AM O3-5 VISUAL PLASTICITY: THE ROLE OF EARLY ENVIRONMENT IN FRUIT FLY VISUAL DEVELOPMENT, 🦋 **John Currea**, Florida International University
- 9:20 - 9:30 AM O3-6 CHRONIC CHEMOGENETIC ACTIVATION OF FOREBRAIN EXCITATORY NEURONS IN POSTNATAL LIFE EVOKES LONG-LASTING BEHAVIORAL CHANGES, 🦋 **Sthitapranjya Pati**, Tata Institute of Fundamental Research
- 9:30 - 9:40 AM O3-7 THE EFFECTS OF SOCIODEMOGRAPHIC RISK, ADVERSITY, AND HOMELESSNESS ON RESPIRATORY SINUS ARRHYTHMIA, 🦋 **Alyssa Palmer**, University of Minnesota
- 9:50 – 9:50 AM O3-8 INCONSISTENT PATTERN OF ATTENTION TOWARDS NEGATIVE EMOTION IN CHILDREN FROM LOW SES BACKGROUNDS, 🦋 **Jessica Burris**, Rutgers University
- 9:50 – 10:00 AM Discussion, Q&A
- 10:00 - 10:30 AM Coffee Break - Visit the Exhibitors - Kon Tiki/Aviary Foyer

10:30 – 12:00 PM Kon Tiki Ballroom

S4 YOUNG INVESTIGATOR SYMPOSIUM: EARLY LIFE STRESS EFFECTS ON EMOTIONAL LEARNING:MECHANISMS AND INTERVENTIONS FROM HUMAN AND ANIMAL MODELS, Symposium Chair: Maya Opendak, New York University Langone Medical Center, New York City, USA

10:30 - 10:55 AM S4-1 MECHANISMS OF STRESSOR CONTROLLABILITY FOLLOWING EARLY-LIFE TRAUMA IN HUMANS, **Dylan Gee**, Yale University

10:55 - 11:20 AM S4-2 EARLY LIFE STRESS IS ASSOCIATED WITH PRECOCIOUS AMYGDALA DEVELOPMENT AND AN UNEXPECTED DIP IN THREAT-ASSOCIATED FREEZING, **Kevin Bath**, Brown University

11:20 - 11:45 AM S4-3 INFANT TRAUMA WITH A CAREGIVER: ACUTE NEUROBEHAVIORAL MECHANISMS AND A ROLE FOR AMYGDALA DOPAMINE, **Maya Opendak**, New York University Langone Medical Center

11:45 - 12:00 PM Discussion, Q&A

12:00 - 1:00 PM Lunch On Own - Catamaran Resort or Local Area Restaurants

12:00 - 1:00 PM Wiley Editorial Board Meeting/Lunch - Rousseau Suite

1:00 - 2:00 PM Kon Tiki Ballroom - Wiley Distinguished Speaker

Damien Fair, PA-C, PhD - Wiley Distinguished Speaker

2:10 - 3:10 PM Kon Tiki Ballroom - Awards Talks

Session Chair: Mark Stanton, University of Delaware

2:10 - 2:25 PM AS-1 Sandra G. Wiener Student Investigator Award: DEVELOPMENTAL TRAJECTORIES OF STRESS PHYSIOLOGY AND SUBCORTICAL NEUROBIOLOGY FOLLOWING EARLY CAREGIVING ADVERSITY, **Michelle VanTieghem**, Columbia University

2:25 - 2:40 PM AS-2 Dissertation Award, **Caitlin Cowan**, University College Cork

2:40 - 2:55 PM AS-3 David Kucharski Young Investigator Award, **Jennifer Silvers**, UCLA

2:55 - 3:10 PM AS-4 Senior Investigator Award: EXPLORING THE PRENATAL ORIGINS OF PERCEPTUAL AND SOCIAL DEVELOPMENT, **Robert Lickliter**, Florida International University

3:10 - 3:30 PM Coffee Break - Visit the Exhibitors - Kon Tiki/Aviary Foyer

3:30 - 5:00 PM Kon Tiki Ballroom

S5 SLEEP WITHIN A DEVELOPMENTAL CONTEXT: PREDICTORS AND CONSEQUENCES OF SLEEP DURING INFANCY, EARLY CHILDHOOD, ADOLESCENCE, AND THE TRANSITION TO PARENTHOOD, Symposium Chair: Diane Goldenberg, University of Southern California, Los Angeles, USA

- 3:30 - 3:50 PM S5-1 VARIABILITY OF SLEEP IN PRESCHOOLERS: IMPACTS OF SLEEP BEHAVIORS ON BRAIN PROCESSING AND BEHAVIORAL TASK PERFORMANCE, **Dennis Molfese**, University of Nebraska–Lincoln
- 3:50 - 4:10 PM S5-2 IS MODIFYING THE IMPACT OF EVENINGNESS CHRONOTYPE IN ADOLESCENCE A PATHWAY TO IMPROVED HEALTH?, **Lu Dong**, University of California, Berkeley
- 4:10 - 4:30 PM S5-3 POSTPARTUM DEPRESSIVE SYMPTOMS MEDIATE THE RELATION BETWEEN TESTOSTERONE AND SLEEP PROBLEMS IN NEW FATHERS, **Diane Goldenberg**, University of Southern California
- 4:30 - 4:50 PM S5-4 INFANT SLEEP, MOTHERS' BEDTIME BEHAVIOR, AND 12-MONTH INFANT ATTACHMENT: THE MODERATING ROLE OF INFANT SLEEP DURATION, **Douglas Teti**, The Pennsylvania State University
- 4:50 - 5:00 PM Discussion, Q&A
- 5:00 - 7:00 PM Dinner Break, On Own - Catamaran Resort or Local Area Restaurants
- 7:00 - 9:00 PM Society for Neuroscience Poster Reception with Cash Bar- Hilton San Diego Bayfront Hotel - Idigo 202 Room

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