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

Thursday, November 1, 2018

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 He, 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
Friday, November 2, 2018

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, 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

4:50 - 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