



**ISDP Annual Meeting
Catamaran Resort Hotel & Spa
San Diego, CA, USA
November 9-11, 2016**

**49TH ANNUAL MEETING
CONFERENCE PROGRAM**

INTERNATIONAL SOCIETY FOR DEVELOPMENTAL PSYCHOBIOLOGY

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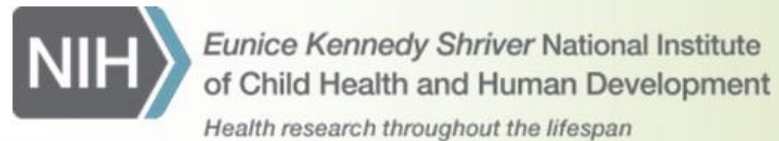
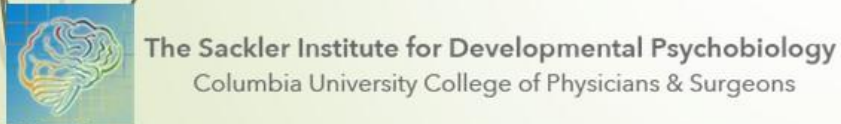
Marianne Van Wagner
Alison Watson

INTERNATIONAL SOCIETY FOR DEVELOPMENTAL PSYCHOBIOLOGY
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SAN DIEGO, CALIFORNIA • NOVEMBER 9–11, 2016

The ISDP would like to express our appreciation for the financial support from the following organizations.



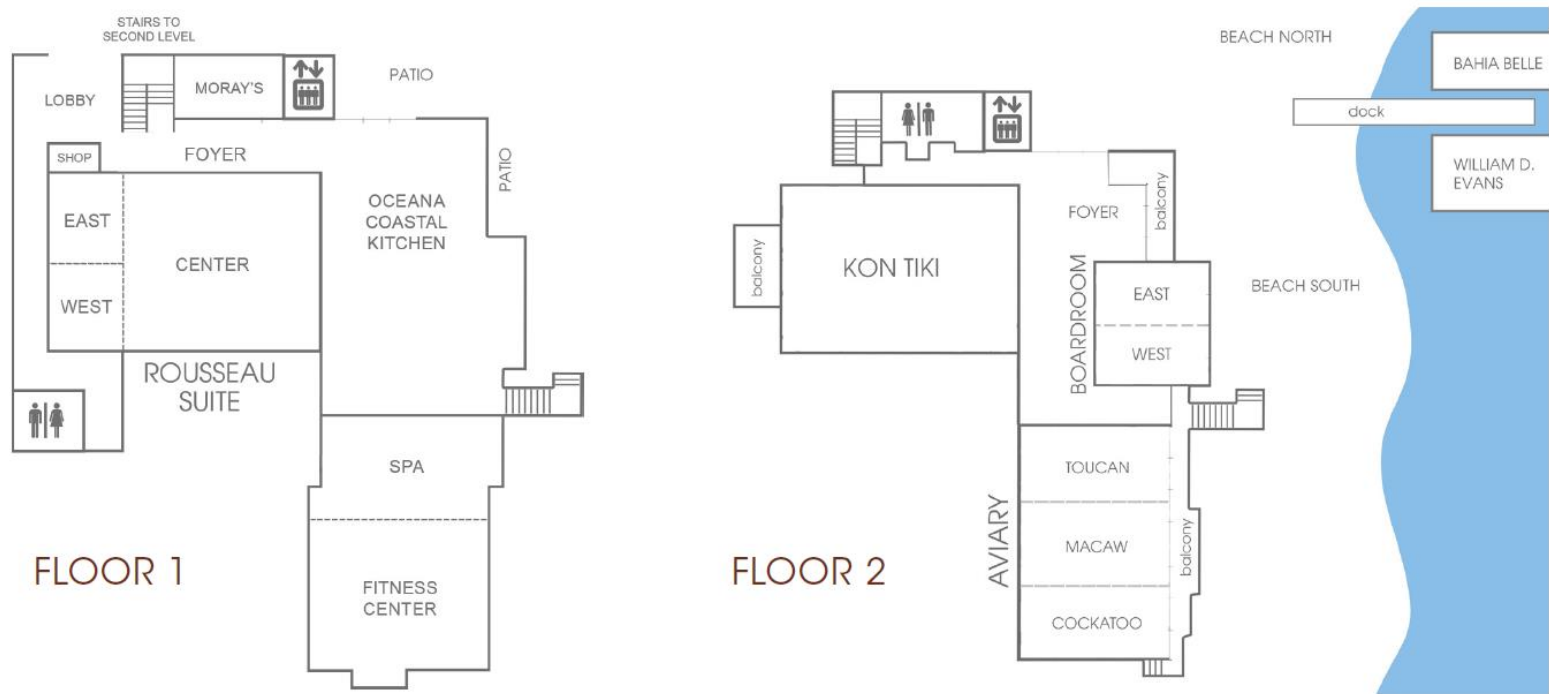
Thank you to our ISDP2016 Sponsors:



2016 ISDP Travel Award Recipients

Awardee	Institution	Advisor	Awardee	Institution	Advisor
Sarah Altmann	Univ of New South Wales	Rick Richardson	Janice Kan	Univ of New South Wales	Rick Richardson
Yira Argumedo	Wright State Univ	Gale A. Kleven	Katie Kao	Boston Univ	Amanda Tarullo
Sarah Bae	Univ of New South Wales	Rick Richardson	Sierra Kauer	Idaho State Univ	Michele Brumley
Kathryn Baker	Univ of New South Wales	Rick Richardson	Daniel Kopala-Sibley	Stony Brook Univ	Daniel N. Klein
Michele Bechor	Florida International Univ	Bethany Reeb-Sutherland	Jennifer Kott	Wayne State Univ	Susanne Brummelte
Starlie Belnap	Florida International Univ	Robert Lickliter	Sierra Kuzava	Stony Brook Univ	Kristin Bernard
Tashauna Blankenship	Virginia Tech	Martha Ann Bell	Hannah Lapp	Univ of Massachusetts Boston	Celia L. Moore
Steven Boomhower	Auburn Univ	M. Christopher Newland	Anna Leonard	Florida International Univ	Bethany Reeb-Sutherland
Kristen Breit	San Diego State Univ	Jennifer Thomas	Maristella Lucchini	Columbia Univ Medical Center	William P. Fifer
Alleyne Broomell	Virginia Tech	Martha Ann Bell	Sophia Luikinga	Flore Inst of Neurosci/Mental Hlth	Jee Hyun Kim
Kevin Brown	The Univ of Iowa	John Freeman	Megha Maheshwari	Tata Inst of Fundamental Research	Vidita A. Vaidya
Lauren Bryant	Univ of Connecticut	Kimberly Cuevas	Gabriela Manzano-Nieves	Brown Univ	Kevin G. Bath
Jessica Burris	Univ of California, Davis	Susan M. Rivera	Emily Marcinowski	Virginia Commonwealth Univ	Stacey Dusing
Bridget Callaghan	Columbia Univ	Nim Tottenham	Kristen McLaurin	Univ of South Carolina	Charles F. Mactutus
Jasmine Caulfield	The Pennsylvania State Univ	Sonia A. Cavigelli	Sean Mooney-Leber	Wayne State Univ	Susanne Brummelte
Guadalupe Chim	California State Univ San Marcos	Kimberly D'Anna-Hernandez	Alecia Moser	Binghamton Univ	Peter Gerhardstein
Steven Conway	Idaho State Univ	Michele Brumley	Eric Moyer	NASA Ames Research Center	April E. Ronca
Caitlin Cowan	Univ of New South Wales	Rick Richardson	Regula Neuenschwander	Univ of British Columbia	Tim Oberlander
John Currea	Florida International Univ	Robert Lickliter	Steven Nieto	Univ of Houston	Therese A. Kosten
Marilyn Cyr	New York State Psychiatric Inst	Rachel Marsh	Maria Ordonez-Retamar	New York State Psychiatric Inst	William P. Fifer
Rose De Guzman	Univ at Albany	Joanna L. Workman	Nicole Perry	Univ of North Carolina Greensboro	Susan D. Calkins
Carrie DePasquale	Univ of Minnesota	Megan Gunnar	Daniel Popoola	Binghamton Univ	Nicole Cameron
Amanda Dettmer	Eunice Kennedy Shriver NICHHD	Stephen J. Suomi	Andrea Preciado	California State Univ San Marcos	Kimberly D'Anna-Hernandez
Nancy Devine	Idaho State Univ	Michele Brumley	Michelle Ramos	Florida International Univ	Bethany Reeb-Sutherland
Tiffany Doherty	Univ of Delaware	Tania Roth	Patrese Robinson-Drummer	Univ of Delaware	Mark E. Stanton
Carly Drzewiecki	Univ of Illinois	Janice Juraska	Daianna Rodriguez	New York State Psychiatric Inst	William P. Fifer
Nathalie Elliott	Univ of New South Wales	Rick Richardson	R. Alexander Sauer	Auburn Univ	M. Christopher Newland
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Nicholas Heroux	Univ of Delaware	Mark E. Stanton	Vanessa Vieites	Florida International Univ	Bethany Reeb-Sutherland
Joshua Herrington	Univ of California, Davis	John Capitanio	Jari Willing	Univ of Illinois	Janice Juraska
Kathleen Huntzicker	Brown Univ	Kevin G. Bath	Jason Yee	Northeastern Univ	Craig Ferris
Sarah Kahle	Univ of California, Davis	Paul D. Hastings	Isabel Zbukvic	Flore Inst of Neurosci/Mental Hlth	Jee Hyun Kim

Wednesday – 11/9	Thursday – 11/10	Friday – 11/11
	7:00-9:00 Board Meeting	7:00-9:00 Board Meeting w/ Past Presidents
8:00-8:30 Continental Breakfast	8:30-9:00 Continental Breakfast	8:30-9:00 Continental Breakfast
8:30-10:15 Oral Session 1: Socio-Emotional and Motor Development	9:00-10:15 Oral Session 3: Learning, Memory, & Cognition	9:00-9:45 Oral Session 4: Stress
	10:15-10:45 Sandra G. Wiener Award P.A. Robinson-Drummer Kucharski Young Investigator Award K. Baker	9:45-10:45 Business Meeting
10:15-10:30 Mid-Morning Break	10:45-11:00 Mid-Morning Break	10:45-11:00 Mid-Morning Break
10:30-11:00 Travel Awardees Presentations	11:00-11:30 Travel Awardees Presentations	
11:00-12:30 Symposium: Biopsychosocial Processes in the Emerging Relations Between Attention and Negative Affect in Infancy and Childhood V. LoBue K. Pérez-Edgar K. Buss N. Fox	11:30-12:30 Mini-Symposium: Mother's Hormonal and Behavioral Influences on Child Behavioral Outcomes K. Voegtline K. D'Anna-Hernandez L. Hibel C. McDonnell	11:00-12:00 Wiley Distinguished Speaker: Sex Differences in Microglial Transcriptional and Morphological Development: Implications for Health and Disease S. Bilbo
12:30-2:30 Wiley Editorial Board Meeting	12:30-2:20 Student Lunch Workshop: Academia & Beyond	12:00-2:00 Lunch Workshop: Funding Opportunities from NIH and NSF
2:30-3:45 Oral Session 2: Maternal Factors	2:20-4:00 Sackler Symposium: Bridging the Gap Between Animal and Human Research to Better Understand Environment, Behavioral, and Neural Mechanisms Regulating Resiliency and Adaptation to Early-Life Adversity C. Krueger S. Brummelte K. Uban A. Kentner	2:00-3:00 Mini-Symposium: Parent-Child Relationships in Psychobiological Context D. Saxbe M. Crowley J. Borelli
3:45-4:00 Afternoon Break	4:00-4:15 Afternoon Break	3:00-3:15 Afternoon Break
4:00-5:00 Mini-Symposium: Emotion and Memory Across Development J.H. Kim S. Whittle D. Ganella B. Callaghan	4:15-5:15 Presidential Address A. Ronca	3:15-5:00 Symposium: How Carolyn Rovee-Collier Shifted Our View of Infant Learning and Memory K. Cuevas P. Gernhardstein A. Joh R. Barr
5:30-7:30 Poster Session 1 Reception and Cash Bar	5:30-7:30 Poster Session 2 Cash Bar	5:00 Meeting Adjourn
8:00-10:00 Student Social		7:00-9:00 ISDP Reception – open to SFN attendees Hilton San Diego Bayfront Hotel – Cobalt 501



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**Note: All oral presentations will be held in the Aviary Ballroom on the 2nd floor.
 All posters sessions will be held in the Rousseau Suite on the 1st floor.**

NOTE: All oral presentations will be in the Aviary Ballroom.
Poster Sessions will be in the Rousseau Suite.

***Bold** denotes travel award recipient.

Tuesday, November 8

6:00-8:00 ISDP REGISTRATION – Aviary Ballroom

Wednesday, November 9

8:00-5:00 ISDP REGISTRATION

8:00-8:30 CONTINENTAL BREAKFAST

8:30 OPENING REMARKS: April Ronca, President

8:30-10:15 ORAL SESSION 1: SOCIO-EMOTIONAL AND MOTOR DEVELOPMENT
Chair: Natalie Brito

8:30-8:45 DAMPENED BOLD ACTIVATION TO LIFE THREAT FEAR IN PRAIRIE VOLE FATHERS
J.R. Yee*, W.M. Kenkel, A.M. Perkeybile, K. Moore, P.Kulkarni, S.W. Porges, C.S. Carter, & C.F. Ferris

8:45-9:00 PREPARED FOR PREJUDICE? 6-MONTH-OLD INFANTS SELECTIVELY ASSOCIATE ETHNIC OUT-GROUP FACES WITH FEARFUL VOCALIZATIONS
D. Butler, Y. Kanakogi, M. Imafuku, D. Cowan, M. Nielsen, S. Kennedy, & M. Myowa-Yamakoshi

9:00-9:15 ODOR-INDUCED CRAWLING LOCOMOTION IN THE NEWBORN RAT: STEPPING PATTERNS AND VARIABILITY OF INTERLIMB COORDINATION
V. Mendez-Gallardo, V. Nalluri, & S.R. Robinson

9:15-9:30 NEONATAL IMITATION PREDICTS SOCIALITY IN ONE-YEAR-OLD RHESUS MACAQUES
E.A. Simpson, S.S.K. Kaburu, A. Paukner, S.J. Suomi, & P.F. Ferrari

9:30-9:45 EFFECT OF PARENTAL DRINKING BEHAVIOR ON PRE-ADOLESCENTS' AFFECT AND ATTENTIONAL BIAS TO ALCOHOL-RELATED CUES
C.A. Forestell, L.A. Collier, & C.L. Dickter

9:45-10:00 INTERRELATION OF SOCIAL-EMOTIONAL AND METABOLIC PHENOTYPES IN MICE ACROSS DEVELOPMENT
C. Harshaw, J. Leffel, & J.R. Alberts

10:00-10:15 ENVIRONMENTAL ENRICHMENT THERAPY FOR AUTISM: OUTCOMES WITH INCREASED ACCESS
M. Leon, E. Aronoff, and R. Hillyer

10:15-10:30 MID-MORNING BREAK

10:30-11:00 TRAVEL AWARD 5-MINUTE PRESENTATIONS

Awardee	Advisor	Institution
Starlie Belnap	R. Lickliter	Florida International University
Daniel Popoola	P. Brennan	Emory University
Kristen R. Breit	J. Thomas	San Diego State University
Janice Kan	R. Richardson	University of New South Wales
Shreya Ghosh	V.A. Vaidya	Tata Inst of Fundamental Research
J. Paul Currea	R. Lickliter	Florida International University

11:00-12:30 SYMPOSIUM: BIOPSYCHOSOCIAL PROCESSES IN THE EMERGING RELATIONS BETWEEN ATTENTION AND NEGATIVE AFFECT IN INFANCY AND CHILDHOOD
Chair: Vanessa LoBue

11:00-11:25 MEASURING BIASED ATTENTION TO THREAT IN INFANCY
V. LoBue

11:25-11:50 NEURAL SUBSTRATES OF ATTENTION BIASES TO THREAT IN RISK FOR PEDIATRIC ANXIETY
K. Pérez-Edgar, S. Morales, N. Thai, E. Auday, X. Fu, & B. Taber-Thomas

11:50-12:15 VIGILANCE AND AVOIDANCE IN CHILDREN WITH DYREGULATED FEAR
K. A. Buss, S. Morales, & R. J. Brooker

12:15-12:30 DISCUSSION
N. Fox

12:30-2:30 LUNCH BREAK

12:30-2:30 WILEY EDITORIAL BOARD MEETING

2:30-3:45 ORAL SESSION 2: MATERNAL FACTORS
Chair: Eliza Nelson

2:30-2:45 DOES MATERNAL SEPARATION IN GUINEA PIG PUPS RESULT IN SENSITIZATION OF A DEPRESSIVE-LIKE STATE?
M.B. Hennessy, A.D. Schreiber, P.A. Schiml, & T. Deak

- 2:45-3:00 PRENATAL STRESS EXPOSURE PREDICTS 6-YEAR-OLDS' STRESS REGULATION: DISENTANGLING MATERNAL DEPRESSION AND EXPOSURE TO ANTIDEPRESSANTS
R. Neuenschwander*, K. Hookenson, U. Brain, R.E. Grunau, A. Devlin, J. Weinberg, & T.F. Oberlander
- 3:00-3:15 THE RELATIONSHIPS BETWEEN GESTATIONAL SRI EXPOSURE, SRI BIOEFFECT, AND INFANT NEUROBEHAVIORAL OUTCOMES
A.L. Salisbury, G.M. Anderson, C.L. Miller-Loncar, & J.A. Mattera
- 3:15-3:30 DIFFERENCES IN MATERNAL TREATMENT OF GENETICALLY ALTERED MOUSE NEONATES DEPENDS ON LITTER FOSTER CONFIGURATION INDEPENDENT OF GENOTYPE
G.A. Kleven, C.M. Estrada, Y.M. Argumedo, & N. Kovar
- 3:30-3:45 EFFECTS OF EARLY CHILDHOOD PARENTING BEHAVIORS ON LATE CHILDHOOD NEURAL FUNCTIONING
D.C. Kopala-Sibley*, M. Cy, J. Orawe, M. Finsaas, A. Huang, H.-C. Leung, & D.N. Klein
- 3:45-4:00 AFTERNOON BREAK**
- 4:00-5:00 MINI-SYMPOSIUM: EMOTION AND MEMORY ACROSS DEVELOPMENT**
Chair: Despina Ganella
- 4:00-4:15 EXTINCTION-RESISTANT METH EXPERIENCE DURING ADOLESCENCE: GENOME-WIDE TRANSCRIPTOME ANALYSIS FOLLOWING METHAMPHETAMINE SELF-ADMINISTRATION
J.H. Kim, H.B. Madsen, V.M. Perreau, I.C. Zbukvic, A.J. Lawrence, & S.J. Luikinga
- 4:15-4:30 NEURODEVELOPMENTAL CORRELATES OF FEAR EXTINCTION: AN FMRI INVESTIGATION IN HUMAN ADOLESCENTS AND ADULTS
S.L. Whittle, D.E. Ganella, E. Ganella, & J.H. Kim
- 4:30-4:45 THE NEUROCIRCUITRY OF FEAR EXTINCTION IN THE DEVELOPING RAT
D.E. Ganella, C.H. Park, D. Nguyen, A. Paolini, & J.H. Kim
- 4:45-5:00 THE NEUROENVIRONMENTAL LOOP OF PLASTICITY: PARENTAL & PERIPHERAL REGULATION OF EMOTION NEUROBIOLOGY ACROSS THE LIFESPAN
B.L. Callaghan*, D.G. Gee, L. Gabard-Durnam, A. Fields, C. Caldera, K.L. Humphreys, B. Goff, J. Flannery, E.H. Telzer, M. Shapiro, & N. Tottenham

5:30-7:30 POSTER SESSION 1 (RECEPTION & CASH BAR)

1. FAMILY NURTURE INTERVENTION MITIGATES ASSOCIATION BETWEEN PLACENTAL ABNORMALITIES AND EARLY BRAIN ACTIVITY OF PRETERM INFANTS
M.R. Firestein*, P.G. Grieve, M.M. Myers, & M.G. Welch
2. THE ASSOCIATIONS BETWEEN MATERNAL ACCULTURATIVE STRESS AND ANXIETY SYMPTOMS ON MATERNAL AND INFANT HAIR CORTISOL
A. Preciado* & K.L. D'Anna-Hernandez
3. PREVIOUS MATERNAL STRESS LEADS TO IMPAIRED MATERNAL BUFFERING IN SUBSEQUENT INFANT RAT OFFSPRING
J.M. Kan* & R. Richardson
4. LONGITUDINAL AND CONTEXTUAL STABILITY OF CORTISOL AND ALPHA-AMYLASE IN INFANTS FROM 6 TO 12 MONTHS AND THEIR MOTHERS
K. de Barbaro, A. Chiba, S. Khandrika, C. Zavala, & G.O. Dek
5. PRENATAL EXPOSURE TO MATERNAL CULTURAL STRESSORS IN RELATION TO NEWBORN HEALTH OUTCOMES IN INFANTS OF MEXICAN DESCENT
G.N. Chim*, S. Gonzales, A. Maldonado, & K.L. D'Anna Hernandez
6. EPIGENETIC ALTERATIONS AND THEIR PHENOTYPIC CORRELATES IN AN ANIMAL MODEL OF CAREGIVER MALTREATMENT
T.S. Doherty*, S.M. Keller, J. Blaze, & T.L. Roth
7. *Moved to poster session 2.*
8. DEFICIENT FRONTO-STRIATAL ACTIVATION AS AN EARLY BIO-MARKER FOR BULIMIA NERVOSA
M. Cyr*, X. Yang, G. Horga, & R. Marsh
9. *Withdrawn.*
10. COMPENSATORY CROSS-SYSTEM ACTIONS IN PARASYMPATHETIC AND SYMPATHETIC RESPONDING TO ANGER
S. Kahle*, J. G. Miller, & P.D. Hastings
11. NEUROENDOCRINE FACTORS DISTINGUISH JUVENILE PSYCHOPATHY VARIANTS
E.R. Kimonis, N. Goulter, D.J. Hawes, R.R. Wilbur, & M.W. Groer
12. LOW CORTISOL MODERATES THE EFFECT OF TESTOSTERONE ON REACTIVE AGGRESSION AMONG YOUNG WOMEN WITH CALLOUS-UNEMOTIONAL TRAITS
N. Goulter, E. R. Kimonis, T. F. Denson, & D. P. Begg

13. MATERNAL POSTPARTUM DEPRESSIVE SYMPTOMS AFFECT INFANT ATTENTION TO SAD FACES
D.A. Swales*, L. Berger, L. Gulley, B. Hankin, & E. Davis
14. ASTHMA DURING ADOLESCENCE CONTRIBUTES TO ADULT ANXIETY BEHAVIOR AND NEUROBIOLOGICAL PHENOTYPE
J.I. Caulfield*, M.J. Caruso, R.A. Bourne, & S.A. Cavigelli
15. DIFFERENTIAL BEHAVIORAL AND MOLECULAR CONSEQUENCES OF POSTNATAL AND JUVENILE FLUOXETINE TREATMENT
M. Maheshwari*, P. Chachra, & V.A.Vaidya
16. TRANSGENERATIONAL EFFECTS OF PRECONCEPTIONAL STRESS & GESTATIONAL ANTIDEPRESSANT EXPOSURE
A.M. Suleiman* & S. Brummelte
17. AGE-DEPENDENT EFFECTS OF CHRONIC ELECTROCONVULSIVE SEIZURE (ECS) TREATMENT
S. Ghosh*, M. Jaggar, M. Maheshwari, & V.A. Vaidya
18. SEROTONIN MODULATES MITOCHONDRIAL BIOGENESIS AND FUNCTION IN CORTICAL NEURONS
S.E. Fanibunda*, A. Sood, A.D.B. Vaidya, U. Seetharam-Kolthur & V.A. Vaidya
19. POSTPARTUM FLUOXETINE EXPOSURE AND EXERCISE INTENSITY DIFFERENTIALLY AFFECT MATERNAL BEHAVIOR AND HIPPOCAMPAL NEUROGENESIS IN A RAT MODEL OF POSTPARTUM STRESS
A.R. Gobinath*, R.J. Richardson, C. Chow, J.L. Workman, S.E. Lieblich, A.M. Barr, & L.A.M. Galea
20. BEHAVIORAL EFFECTS OF PRENATAL AND POSTNATAL KETAMINE EXPOSURE IN RHESUS MACAQUE INFANTS ARE DEPENDENT ON MAOA GENOTYPE
J. Herrington*, L. Del Rosso, & J. Capitanio
21. EFFECTS OF LATE GESTATIONAL CANNABINOID EXPOSURE ON BEHAVIORAL DEVELOPMENT IN RATS
K.R. Breit*, B. Zamudio, & J.D. Thomas
22. SOMATOSTATIN INTERNEURONS AFFECTED IN ADULT BUT NOT ADOLESCENT VENTRAL STRIATUM AFTER METHAMPHETAMINE SELF-ADMINISTRATION
S.J. Luikinga*, H.B. Madsen, I.C. Zbukvic, A. J. Lawrence, & J.H. Kim
23. GONADAL HORMONES MEDIATE MATERNAL CARE-PROGRAMMING OF ETHANOL-USE BEHAVIORS
D.O. Popoola* & N.M. Cameron
24. RELATION BETWEEN SPATIAL REORIENTATION AND HIPPOCAMPAL-DEPENDENT LEARNING AND MEMORY IN YOUNG CHILDREN
V.Vieites*, S.Pruden, & B.C.Reeb-Sutherland
25. VIDEO MODELING AND IMITATION IN CHILDREN WITH ASD: PRELIMINARY ANALYSES
A. Learmonth, R. Barr, P. Gerhardstein, E. Janerhofer, J. Napolitano, A. Blazkiewicz, M. Lui, & N. Strautman
26. LASTING MEMORIES: FACILITATING CONTEXT FEAR IN INFANT RATS THROUGH BEHAVIOURAL TAGGING
S.E. Bae* & R. Richardson
27. FACTORS INFLUENCING DEVELOPMENTAL DIFFERENCES IN RETENTION OF PAVLOVIAN FEAR CONDITIONING
K.L. Brown*, M.J. Sodoma, & J.H. Freeman
28. EFFECTS OF EARLY POSTNATAL UNDERNUTRITION ON AFFECTIVE BEHAVIOR, CONDITIONED FEAR ACQUISITION AND EXTINCTION, AND HIPPOCAMPAL NEUROGENESIS IN MALE AND FEMALE SPRAGUE DAWLEY RATS
R.M. De Guzman*, L.M. Colon, A.M. Poulos, & J.L. Workman
29. CONSISTENT PRESCHOOL HAND PREFERENCE PREDICTS LANGUAGE SKILLS AT 5 YEARS OF AGE
S.L. Gonzalez*, E.L. Nelson, J.Latta, J.M. Campbell, E.C. Marcinowski, & G.F. Michel
30. BIMANUAL ACQUISITIONS DIFFER ACCORDING TO INFANT HAND PREFERENCE GROUP
E.C. Marcinowski*, J. M. Campbell, & G.F. Michel
31. COORDINATED MOVEMENT IS INFLUENCED BY PRENATAL LIGHT EXPERIENCE IN BOBWHITE QUAIL HATCHLINGS (COLINUS VIRGINIANUS)
S.C. Belnap* & R. Lickliter
32. ROBOTIC HENS: MOVEMENT INFLUENCES BOBWHITE QUAIL CHICKS' SOCIAL PREFERENCES (COLINUS VIRGINIANUS)
P. Velasquez*, S. C. Belnap, & R. Lickliter
33. LITTER CHARACTERISTICS AND NEWBORN SENSORIMOTOR FUNCTION IN A RAT MODEL OF SPINA BIFIDA
S.M. Conway*, V. Mendez-Gallardo, H.E. Swann, K. Hunter, N. Burgett, & M.R. Brumley
34. EFFECTS OF TREADMILL SPEED ON TAIL-PINCH-INDUCED STEPPING BEHAVIOR IN THE NEONATAL RAT
N. Devine*, R.B. Kempe, & M.R. Brumley
35. MOTHER-INFANT DYAD TOUCH BEHAVIOR DURING POSTURE AND LOCOMOTION IN 8- TO 16-MONTH OLD HUMAN INFANTS
H.E. Swann*, N. Burgett, N. Devine, M.R. Brumley, & H. Ramsdell-Hudock

36. MATERNAL BIAS IN PERCEPTION OF INFANT AFFECT PREDICTS DECREASED HEART RATE DIFFERENTIATION BETWEEN CRYING AND LAUGHING STIMULI
S. Kuzava*, A. Frost, & K. Bernard
37. INVESTIGATING PHYSIOLOGICAL ALLOSTATIC LOAD EFFECTS ON PEER PROBLEMS IN KINDERGARTEN
C.E. DePasquale*, C.E. Pitula, S.B. Mliner, & M.R. Gunnar
38. NEURAL PREDICTORS OF TRAJECTORIES OF ATTENTIONAL CONTROL AND EMOTION REGULATION
N.B. Perry*, M.M. Swingler, S.D. Calkins, & M. Bell
39. TIMING MATTERS: THE INTERVAL BETWEEN ACUTE STRESSORS WITHIN CHRONIC STRESS AFFECTS BEHAVIORAL AND PHYSIOLOGICAL OUTCOMES
S.A. Cavigelli, A.D. Bao, M.J. Caruso, M. Chen, J.I. Caulfield, R.A. Bourne, & J.M. Smyth
40. STRESS DURING THE PUBERTAL PERIOD EXERTS SEX-SPECIFIC EFFECTS ON BEHAVIOR IN ADULT RATS
J. Willing*, C.M. Drzewiecki, L.R. Cortes, & J.M. Juraska
41. TAKING THE STRESS OUT OF THE STORM: PROBIOTICS PREVENT SEX-DEPENDENT CHANGES IN PUBERTAL TIMING IN RATS EXPOSED TO EARLY-LIFE STRESS
C.S.M. Cowan* & R. Richardson
42. THE ROLE OF PUBERTY ON SYNAPTIC PRUNING WITHIN THE MEDIAL PREFRONTAL CORTEX OF MALE AND FEMALE RATS
C.M. Drzewuecki*, J. Willing, & J.M. Juraska
43. LIPOPOLYSACCHARIDE-INDUCED CHANGES IN ADOLESCENT PREFRONTAL CORTEX AMPA RECEPTORS AFTER EARLY LIFE STRESS
P. Ganguly* & H.C. Brenhouse
44. WHEN LARVAL NUTRITION IS LIMITED, ADULT DROSOPHILA SACRIFICE VISUAL ACUITY TO MAINTAIN CONTRAST SENSITIVITY
J.P. Currea*, J. Smith, & J.C. Theobald
45. BREAKING THE 4TH WALL: USING CLOSED-CIRCUIT TV & EYE-TRACKING TO PARSE THE VIDEO DEFICIT
A. Moser*, S. Olsen, D. Hipp, S. Rusnak, R. Barr, & P. Gerhardstein
46. DEVELOPMENTAL DIFFERENCES IN CHILDREN'S SELF-RECOGNITION OF OPTIC FLOW
M.A. Taylor & M. Jaime
47. NEURAL CORRELATES OF EXECUTIVE FUNCTION IN PRESCHOOL CHILDREN: ASSOCIATIONS WITH ACADEMIC SCHOOL READINESS
M.M. Swingler, S.E. Halliday, S.D. Calkins, & E.M. Leerkes
48. ASSOCIATIONS BETWEEN NEUROBEHAVIORAL AND EEG MEASURES AT 9 AND 15 MONTHS OF AGE
D.J. Rodriguez*, C. Rodriguez, N.H. Brito, T. Thai, P.G. Grieve, M.M. Myers, C. Monk, & W.P. Fifer
49. PRENATAL PROGRAMMING OF POSTNATAL PLASTICITY: AN ANIMAL MODEL
S. Hartman*, K.L. Bales, & J. Belsky
50. OXYTOCIN RECEPTOR DISTRIBUTION IN THE PRAIRIE VOLE (MICROTUS OCHROGASTER) NEOCORTEX
A.M.H. Seelke, A. Duchemin, T.C. Simmons, S.M. Freeman, & K.L. Bales
51. EFFECTS EARLY LIFE STRESS ON PARVALBUMIN POSITIVE NEURON MATURATION AND CIRCUIT DEVELOPMENT
G. Manzano-Nieves* & K.G. Bath
52. NEONATAL PAIN AND REDUCED MATERNAL CARE INTERACT TO IMPACT BRAIN DEVELOPMENT
S. M. Mooney-Leber* & S. Brummelte

8:00-10:00 STUDENT SOCIAL

Thursday, November 10

- 7:00-9:00 BOARD MEETING – Suite 308**
- 8:30-9:00 CONTINENTAL BREAKFAST**
- 9:00-10:15 ORAL SESSION 2: LEARNING, MEMORY, & COGNITION**
Chair: Amanda Dettmer
- 9:00-9:15 PREVIOUS INSTITUTIONALIZATION IS FOLLOWED BY BROADER AMYGDALA-HIPPOCAMPAL-PFC NETWORK CONNECTIVITY DURING AVERSIVE LEARNING IN HUMAN DEVELOPMENT
J.A. Silvers, D.S. Lumian, L. Gabard-Durnam, D.G. Gee, B. Goff, D.S. Fareri, C. Caldera, J. Flannery, E.H. Telzer, K. L. Humphreys & N. Tottenham
- 9:15-9:30 NEONATAL MERCURY EXPOSURE ALTERS HIPPOCAMPUS-DEPENDENT MEMORY AND ANXIETY IN RATS
P.S. Hunt
- 9:30-9:45 EXAMINING PATHWAYS BETWEEN NEONATAL AUTONOMIC MEASURES AND LATER LANGUAGE SKILLS DURING INFANCY
N.H. Brito, M. Ordonez-Retamar, J.D. Nugent, M.T. Corwin, K.G. Noble, M.M. Myers, A.J. Elliott, & W.P. Fifer
- 9:45-10:00 MECHANISMS FOR A DEVELOPMENTAL CRITICAL PERIOD OF HIPPOCAMPAL LEARNING
A. Travaglia, R. Bisaz, E.S. Sweet, R.D. Blitzer, & C.M. Alberini
- 10:00-10:15 INFANT COGNITION AND COMT GENOTYPE PREDICT EARLY CHILDHOOD EXECUTIVE FUNCTIONS
J. Markant, A. Hodel, K. Offen, S.J. Sherman, K.L. Senich, D. Cicchetti, & K.M. Thomas
- 10:15-10:30 SANDRA G. WIENER AWARD**
Patrese A. Robinson-Drummer, University of Delaware
AGE AND EXPERIENCE-DEPENDENT CHANGES IN EGR-1 EXPRESSION DURING THE ONTOGENY OF THE CONTEXT PREEXPOSURE FACILITATION EFFECT (CPFE)
- 10:30-10:45 DAVID KUCHARSKI YOUNG INVESTIGATOR AWARD**
Kathryn D. Baker, University of New South Wales
Advisor: Rick Richardson
IMPAIRED FEAR EXTINCTION RETENTION IN ADOLESCENT RATS: PHARMACOLOGICAL EVIDENCE FOR A FAILURE TO RECRUIT NMDA RECEPTORS DURING EXTINCTION
- 10:45-11:00 MID-MORNING BREAK**

11:00-11:30 TRAVEL AWARD 5-MINUTE PRESENTATIONS

Awardee	Advisor	Institution
Eric Moyer	A. Ronca	NASA Ames Research Center
Cassandra Hendrix	N. Cameron	Binghamton University
Michele Bechor	J. Pettit	Florida International University
Jessica Burris	S.M. Rivera	University of California, Davis
Isabel C. Zbukvic	J.H. Kim	Florey Inst of Neurosci/Mental Health
SooYeon Sun	N.S. Bradley	University of Southern California

11:30-12:30 MINI-SYMPOSIUM: MOTHER'S HORMONAL AND BEHAVIORAL INFLUENCES ON CHILD BEHAVIORAL

Chair: Leah Hibel

- 11:30-11:45 PRENATAL MATERNAL TESTOSTERONE AND INFANT BIOBEHAVIORAL REGULATION DURING THE STILL FACE PARADIGM
K.M. Voegtline, G.A. Moore, & J.A. DiPietro
- 11:45-12:00 FETAL EXPOSURE TO MATERNAL CULTURAL STRESSORS IS ASSOCIATED WITH ADVERSE LOW BIRTHWEIGHT AND FETAL CORTISOL LEVELS IN OFFSPRING OF MEXICAN DESCENT
K.L. D'Anna-Hernandez
- 12:00-12:15 MOTHER-INFANT BIOBEHAVIORAL RELATIONSHIPS IN STRESS AND NON-STRESS CONTEXTS
L.C. Hibel
- 12:15-12:30 ATTUNEMENT OF MATERNAL-CHILD DIURNAL CORTISOL IS MODERATED BY CHILD MALTREATMENT
C.G. McDonnell & K. Valentino

12:30-2:20 LUNCH BREAK

12:30-2:20 STUDENT LUNCH WORKSHOP: ACADEMIA & BEYOND (this event requires advance reservation & ticket)

2:20-4:00 SACKLER SYMPOSIUM: BRIDGING THE GAP BETWEEN ANIMAL AND HUMAN RESEARCH TO BETTER UNDERSTAND ENVIRONMENTAL, BEHAVIORAL, AND NEURAL MECHANISMS REGULATING RESILIENCY AND ADAPTATION TO EARLY-LIFE ADVERSITY

Chairs: Susanne Brummelte & Amanda Kentner

- 2:20-2:45 NEUROBEHAVIORAL IMPLICATIONS FOR EARLY EXPOSURE TO MATERNAL VOICE IN THE VERY LOW BIRTHWEIGHT PREMATURE INFANT
C. Krueger

- 2:45-3:10 THE RAT IN THE INCUBATOR: MIMICKING NICU SETTINGS FOR TRANSLATIONAL STUDIES OF EARLY ADVERSITY
S. Brummelte
- 3:10-3:35 THE ROLE OF NEUROENDOCRINE ALTERATIONS IN WHITE MATTER IN HUMAN ADOLESCENTS WITH FETAL ALCOHOL SPECTRUM DISORDER: SEX MATTERS
K. Uban
- 3:35-4:00 THE ROLE OF ENVIRONMENTAL COMPLEXITY IN THE PROTECTION AND REHABILITATION AGAINST EARLY-LIFE ADVERSITY
A. Kentner
- 4:00-4:15 AFTERNOON BREAK**
- 4:15-5:15 PRESIDENTIAL ADDRESS**
April E. Ronca
Perinatal Experience, Birth and Sex Differences on Earth and in Space
- 5:30-7:30 POSTER SESSION 2 (CASH BAR)**
1. NATIONAL SCIENCE FOUNDATION FUNDING OPPORTUNITIES FOR RESEARCH IN THE DEVELOPMENTAL AND LEARNING SCIENCES
D.S. Moore
 2. NICHD CHILD DEVELOPMENT & BEHAVIORA BRANCH (CDBB) FUNDING INTERESTS
K. Mann Koepke & L. Freund
 3. STRESS HISTORY AND GENETIC POLYMORPHISMS IN HYPOTHALAMIC-PITUITARY-ADRENAL AXIS REGULATION
H.E. Lapp*, R.G. Hunter, & C.L. Moore
 4. PARASYMPATHETIC NERVOUS SYSTEM FUNCTIONING PREDICTS BEHAVIORAL CHANGES IN CHILDREN EXPOSED TO EARLY LIFE STRESS
K.E. Smith* & G.J. Norman
 5. THE EFFECTS OF EARLY ADVERSITY ON AMYGDALA-PREFRONTAL CIRCUITRY DURING EMOTIONAL FACE PROCESSING IN CHILDREN AND ADOLESCENTS
M. VanTieghem*, E. Telzer, L. Gabard-Durnam, L.J. Flannery, B. Goff, D.G. Gee, K. Humphreys, C. Caldera, M. Shapiro, J. Louie, & N. Tottenham
 6. RESCUING ABERRANT MATERNAL BEHAVIOR BY ALTERING DNA METHYLATION
S.M. Keller, T.S. Doherty, & T.L. Roth
 7. UNPREDICTABLE VARIABLE PRENATAL STRESS ALTERS EXPRESSION OF GENES INVOLVED IN APPETITE CONTROL AND ENERGY EXPENDITURE
E.L. Moyer*, B. Al-Shayeb, L.A. Baer, & A.E. Ronca
 8. SEXUALLY-DIMORPHIC GENE EXPRESSION PATTERNS WITHIN THE ADULT HPA AXIS FOLLOWING UNPREDICTABLE VARIABLE PRENATAL STRESS
Y. Talyansky, E.L. Moyer, J. Varholick, J.L. Bollinger, C.D. Tulbert, L.A. Baer, & A.E. Ronca.
 9. PHYSIOLOGICAL ATTUNEMENT IN MOTHER-INFANT DYADS AT CLINICAL HIGH RISK: THE INFLUENCE OF MATERNAL DEPRESSION AND POSITIVE PARENTING
C.L. Hendrix*, Z.N. Stowe, D.J. Newport, & P.A. Brennan
 10. ADVERSE CHILDHOOD OUTCOMES AND RISK FOR NEGATIVE MENTAL HEALTH OUTCOMES
T.M. Rushe, P. Fletes-Houston, & D. Redmond
 11. NEURAL CORRELATES OF ATTENTIONAL BIAS TO THREAT AMONG YOUTH WITH AND WITHOUT ANXIETY DISORDERS
M. Bechor*, B. Reeb-Sutherland, M. Ramos, J. Pettit, & W. K. Silverman
 12. A LONGITUDINAL EYETRACKING INVESTIGATION OF ATTENTIONAL BIASES TOWARDS THREAT IN EARLY CHILDHOOD
J.L. Burris* & S.M. Rivera
 13. AN INVESTIGATION OF ATTENTIONAL BIASES TOWARDS EMOTIONAL MALE AND FEMALE FACES
R.N. Sims*, J.L. Burris, & S.M. Rivera
 14. COGNITIVE RECRUITMENT IN YOUTH WITH ANXIETY DURING A SPEEDED RESPONSE TASK
A.K. Leonard*, M.L. Ramos, M. Bechor, J.W. Pettit, & B.C. Reeb-Sutherland
 15. ENHANCED ERROR MONITORING AND ATTENTIONAL CONTROL ABILITY IN YOUTH WITH AND WITHOUT ANXIETY
M.L. Ramos*, M. Bechor, J.W. Pettit, W.K. Silverman, & B.C. Reeb-Sutherland
 16. NEURAL AND VASCULAR DEVELOPMENT IN A RAT MODEL FOR DISEASES OF PREMATURITY
J.A. Adrian, J.T. Olsen, T.S. Morken, & M. Wideroe
 17. URINARY EPINEPHRINE, NOREPINEPHRINE AND MELATONIN AT 18 MONTHS IN A SAMPLE OF INFANTS WITH PRENATAL SSRI EXPOSURE
A.L. Salisbury, G.M. Anderson, J.A. Mattera, & C.L. Miller-Loncar
 18. PATERNAL ALCOHOL EXPOSURE ALTERS BEHAVIOR OF ADULT MALE AND FEMALE OFFSPRING
S.J. Nieto*, D.A. Nielsen, & T.A. Kosten

19. PROCEDURES FOR INDUCING VOLUNTARY BINGE-LEVEL CONSUMPTION OF ETHANOL IN ADOLESCENT RATS
D. Hosova & L.P. Spear
20. INCREASED INTAKE OF SUCROSE-SACCHARIN SOLUTION IN ADOLESCENCE AFTER PRENATAL ETHANOL EXPOSURE IN LATE GESTATION
J.K. Gore-Langton & L.P. Spear
21. CHARACTERIZING FEAR EXTINCTION LEARNING ACROSS ADOLESCENCE: ROLE OF DOPAMINE IN THE PREFRONTAL CORTEX
I.C. Zbukvic*, J. Park, D.E. Ganella, A.J. Lawrence, & J.H. Kim.
22. EARLY LIFE STRESS INCREASES MICROGLIA ACTIVATION IN JUVENILE MALE RATS AND CONFERS SENSITIZATION IN MICROGLIA TO LPS INDUCED IMMUNE ACTIVATION
S.A. Goff, V. Thompson, P. Ganguly, & H.C. Brenhouse
23. CONCURRENT EXPOSURE TO METHYLMERCURY AND D-AMPHETAMINE DURING ADOLESCENCE IMPAIRS REVERSAL LEARNING IN MICE: A LOGISTIC ANALYSIS
S.R. Boomhower*, R.A. Sauer, K. Johnson, & M.C. Newland
24. ADOLESCENT EXPOSURE TO METHYLMERCURY INCREASES THE RATE OF MEMORY SATURATION AND DECREASES MINIMUM RESPONSE TIME IN MICE
R.A. Sauer*, S.R. Boomhower, & M.C. Newland
25. LONG-TERM EFFECTS OF IN UTERO SERTRALINE EXPOSURE (A SELECTIVE SEROTONIN REUPTAKE INHIBITOR) ON MALE AND FEMALE RATS
J.M. Kott*, S.M. Mooney-Leber, S.A. Perrine, & S. Brummelte
26. MILD MATERNAL HYPERTHERMIA AS A NON-INVASIVE ANTIPROLIFERATIVE TERATOGEN IN GUINEA PIGS (CAVIA PORCELLUS)
Y. Argumedo*, K. Henshaw, B. Bailey, T. J. Bishop, T. Austin, & G.A. Kleven
27. NEURAL CORRELATES OF FUTURE EPISODIC MEMORY IN 4-YEAR OLDS
T.L. Blankenship*, A.P. Ross, & M.A. Bell
28. CONTRIBUTIONS OF THE MEDIAL PREFRONTAL CORTEX (MPFC) TO CONTEXTUAL FEAR CONDITIONING IN ADOLESCENT RATS
N.A. Heroux*, P.A. Robinson-Drummer, H.R. Sanders, J.B. Rosen, M.E. Stanton
29. BRAIN-DERIVED NEUROTROPHIC FACTOR: A POTENTIAL DRIVER OF THE ACCELERATED NEUROBEHAVIORAL DEVELOPMENT INDUCED BY EARLY-LIFE STRESS
K.B. Huntzicker*, G. Manzano-Nieves, & K.G. Bath
30. EARLY LIFE STRESS DOES NOT RESULT IN IMPAIRED GENERALIZED EXTINCTION IN ADULT RATS
N.D.S. Elliott* & R. Richardson
31. AN INVESTIGATION OF THE RELATION BETWEEN NEUROMOTOR MILESTONES AND HAND PREFERENCE USING PRINCIPAL COMPONENTS ANALYSIS
J.M. Campbell, E.C. Marcinowski, & G.F. Michel
32. ONTOGENY OF LOCOMOTION AND POSTURE IN NEWBORN RATS: A COMPARISON OF SENSORY-DEPRIVED VERSUS SENSORY-ENRICHED TESTING ENVIRONMENTS
H.E. Swann* & M.R. Brumley
33. QUIPAZINE EFFECTS ON SENSORY RESPONSIVENESS IN SPINAL TRANSECTED NEONATAL RATS
S.D. Kauer*, H.E. Swann, & M.R. Brumley
34. DOES ANKLE PROPRIOCEPTION CONTRIBUTE TO SELECTIVE RECRUITMENT OF FLEXOR MUSCLES DURING REPETITIVE LEG MOVEMENTS IN CHICK EMBRYOS?
S. Sun* & N.S. Bradley
35. NEUROLOGIC AND PHYSIOLOGIC RESPONSE TO ODORS IN THE HUMAN NEWBORN DURING ACTIVE AND QUIET SLEEP
J.S. Yang, J.R. Isler, M. Ordonez-Retamar, T. Thai, N. Brito, D.A. Wilson, M.M. Myers, & W.P. Fifer
36. THE RELATIONSHIP BETWEEN INFANT SLEEP, PARENTAL SLEEP, BEHAVIOR, AND DAILY EMOTIONS
C. Ellberg & L. Hibel
37. SLEEP POSITION DURING PREGNANCY: EFFECTS ON MATERNAL AND FETAL HEART RATE
M. Lucchini*, J.S.C. Yang, J. Zavala, A.J. Elliott, & W.P. Fifer
38. NEWBORN AUTONOMIC MEASURES PREDICT 1-MONTH AUTONOMIC FUNCTION DURING SLEEP
M. Ordonez-Retamar*, N. Burtchen, N.H. Brito, T. Thai, J.D. Nugent, M.M. Myers, & W.P. Fifer
39. A MULTIDISCIPLINARY APPROACH TO INVESTIGATING WORK-RELATED WELL-BEING, STRESS REGULATION AND QUALITY OF PEDAGOGICAL WORK AMONG EARLY CHILDHOOD PROFESSIONALS
M. Nislin, N. Sajaniemi, & E. Suhonen
40. MINDING THE GAP: PROGRESSION OF TEMPORAL PROCESSING DEFICITS IN THE HIV-1 TRANSGENIC RAT
K.A. McLaurin*, R.M. Booze, & C.F. Mactutus

41. PROGRESSIVE DEFICITS IN SUSTAINED ATTENTION IN THE HIV-1 TRANSGENIC (TG) RAT AS A MODEL FOR HIV-1 ASSOCIATED NEUROCOGNITIVE DISORDERS (HAND)
A.L. Lafond*, K.A. McLaurin, R.M. Booze, & C. F. Mactutus
42. *Withdrawn.*
43. A FACE ONLY A MOTHER COULD LOVE? INTERGENERATIONAL TRAUMA EXPOSURE REDUCES MALE ATTRACTIVENESS TO POTENTIAL MATES
S.R. Altmann*, J.M. Kan, & R. Richardson
44. EXAMINATION OF SPONTANEOUS EYE BLINKING FROM INFANCY TO TODDLERHOOD DURING COGNITIVE TASKS
L.F. Bacher, A. Gonzalez, G. Javier, & M.A. Bell
45. BIRTHWEIGHT, FRONTAL EEG ASYMMETRY, AND TEMPERAMENT: POTENTIAL CONTEXT FOR DEVELOPMENT RISK IN FULL TERM INFANTS
M.A. Bell, T.L. Blankenship, & R. Liu
46. BASIC ATTENTION AND INTERSENSORY PROCESSING SKILLS BECOME INCREASINGLY INTEGRATED
L.E. Bahrick, M.E. McNew, J.T. Todd, & K.C. Soska
47. COVERT ATTENTION AND GAZE DURING INFANT FREE-LOOKING
S.S. Robertson
48. INFANT ATTENTION & CORRESPONDING EEG: POTENTIAL INDICATORS OF CHILDHOOD AD/HD
C.M. Eng*, L.A. Patton, S.D. Calkins, & M.A. Bell
49. INHIBITORY CONTROL TASK DIFFICULTY AND EEG COHERENCE AT AGE FOUR
A.P.R. Broomell*, T.L. Blankenship, & M.A. Bell
50. EFFECTS OF ACTIVE AND OBSERVATIONAL EXPERIENCE ON EEG ACTIVITY DURING EARLY CHILDHOOD
L.J. Bryant* & K. Cuevas
51. PATTERNS OF BRAIN ELECTRICAL ACTIVITY DURING COGNITIVE FLEXIBILITY PERFORMANCE IN EARLY CHILDHOOD
V. Rajan, & M.A. Bell

Friday, November 11

7:00-9:00 BOARD MEETING WITH PAST PRESIDENTS – East/West Boardroom

8:30-9:00 CONTINENTAL BREAKFAST

9:00-9:45 ORAL SESSION 4: STRESS
Chair: Bethany Reeb-Sutherland

9:00-9:15 SALIVARY CORTISOL AND ALPHA-AMYLASE REACTIVITY IN RELATION TO CHRONIC PHYSIOLOGICAL STRESS IN PRESCHOOLERS
K. Kao*, S.N. Doan, A.M. St. John, J.S. Meyer, & A.R. Tarullo

9:15-9:30 CHANGES IN MILK CORTISOL ACROSS THE NEONATAL PERIOD PREDICT LATER CHRONIC HYPOTHALAMIC-PITUITARY-ADRENAL (HPA) AXIS ACTIVITY IN INFANT RHESUS MONKEYS
A.M. Dettmer*, A.M. Murphy, D. Guitarra, K. Rosenberg, S.J. Suomi, J.M. Meyer, & K. Hinde

9:30-9:45 CHILDRENS BIOLOGICAL GIVENS, STRESS RESPONSES, LANGUAGE AND COGNITIVE ABILITIES, AND FAMILY BACKGROUND AFTER ENTERING KINDERGARTEN IN TODDLERHOOD
N. Sajaniemi, E. Suhonen, & M. Niskin

9:45-10:45 BUSINESS MEETING (all are welcome to attend)

10:45-11:00 MID-MORNING BREAK

11:00-11:05 BEST DEVELOPMENTAL PSYCHOBIOLOGY STUDENT PAPERS (2014-2015, 2015-2016)
M. Hennessy

11:05-12:05 JOHN WILEY DISTINGUISHED SPEAKER
Staci Bilbo, Harvard Medical School
Chair: April Ronca
SEX DIFFERENCES IN MICROGLIAL TRANSCRIPTIONAL AND MORPHOLOGICAL DEVELOPMENT: IMPLICATIONS FOR HEALTH AND DISEASE

12:05-2:00 LUNCH BREAK

12:05-2:00 LUNCH WORKSHOP: FUNDING OPPORTUNITIES FROM NIH AND NSF
(this event requires advance reservation & ticket)

2:00-3:00 MINI-SYMPOSIUM: PARENT-CHILD RELATIONSHIPS IN PSYCHOBIOLOGICAL CONTEXT
Chair: Jessica L. Borelli

2:00-2:20 FATHER TESTOSTERONE ACROSS THE TRANSITION TO PARENTHOOD
D.E. Saxbe, A.B. Tsai, H.A. Lyden, G.W. Corner, S.A. Stoycos, & M. Khaled

2:20-2:40 REJECTION BY STRANGER AND KIN: FRONTAL THETA OSCILLATIONS
M.J. Crowley, J. Wu, & L. Vazquez

2:40-3:00 GENE BY ENVIRONMENT EFFECTS ON ATTACHMENT, EMOTION REGULATION, AND DEPRESSIVE SYMPTOMS IN MIDDLE CHILDHOOD
J.L. Borelli, A. Gómez, P.A. Smiley, H.F. Rasmussen, L.C. Seaman, & E.L. Nurmi

3:00-3:15 AFTERNOON BREAK

3:15-3:25 CAROLYN ROVEE-COLLIER MENTOR AWARD

3:25-5:00 SYMPOSIUM: HOW CAROLYN ROVEE-COLLIER SHIFTED OUR VIEW OF INFANT LEARNING AND MEMORY
Chair: Rachel Barr

3:25-3:55 IMITATION DURING INFANCY: FROM LEARNING AND MEMORY TO NEURAL MIRRORING
K. Cuevas

3:55-4:25 THE IMPACT OF MEMORY LOAD AND PERCEPTUAL CUES ON PUZZLE LEARNING BY 2-YEAR-OLDS
P. Gerhardstein

4:25-4:55 BOYS VS. GIRLS: THE UNEQUAL BENEFITS OF TRAINING ON PRESCHOOLER SPATIAL SKILLS
A. Joh

5:00 MEETING ADJOURN

7:00-9:00 ISDP RECEPTION
HILTON SAN DIEGO BAYFRONT HOTEL – Cobalt 501
(This event is open to SFN and ISDP attendees)

SAVE THE DATES!

ISDP 50th Annual Meeting

November 7-12, 2017

Westin City Center, Washington, DC, USA