



**45TH ANNUAL MEETING
CONFERENCE PROGRAM**

OCTOBER 10-13, 2012

HOTEL MONTELEONE, NEW ORLEANS, LA

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INTERNATIONAL SOCIETY FOR DEVELOPMENTAL PSYCHOBIOLOGY
45TH ANNUAL MEETING - NEW ORLEANS, LA
NOVEMBER 10-13, 2012

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

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Wednesday, October 10

2:30-5:30	Pre-conference: The International Perinatal Brain and Behavior Network (IPBBN) - Riverview Room	5:00-8:00	ISDP REGISTRATION – Queen Anne Mezzanine (see pg. 19 for other times to register and for times for speakers to load talks)
	Title: The Legacy of Jean-Pierre Lecanuët and New Frontiers in Fetal Brain and Behavior Research	6:00-8:00	ISDP BOARD MEETING – Iberville Room
	Presenters: Carolyn Granier-Deferre, Ph.D., Bill Fifer Ph.D., Kathleen Gustafson, Ph.D., Curtis Lowery, M.D	8:00-10:00	ISDP OPENING RECEPTION – Riverview Room
	For information contact: Carolyn Granier-Deferre carolyn.granier-deferre@parisdescartes.fr or Christine Moon mooncm@plu.edu		

Thursday, October 11

7:30-8:20 **CONTINENTAL BREAKFAST – Queen Anne Parlor**

7:30-8:20 **STUDENT/POST-DOC BREAKFAST CHAT SESSION –
Bonnet Carre**

8:20-8:30 **OPENING REMARKS: Scott Robinson, President**

8:30-10:30 **NeuroDevNet SYMPOSIUM: LIFESPAN
DEVELOPMENTAL PSYCHOBIOLOGY
Queen Anne Ballroom**
Chair: Richard Brown

8:30-8:40 Introduction: Richard Brown

8:40-9:05 FETAL ALCOHOL SPECTRUM DISORDER (FASD):
FETAL PROGRAMMING AND LATER LIFE
VULNERABILITIES IN A RODENT MODEL
J. Weinberg

9:05-9:30 SHAKEN NOT STIRRED: ALCOHOL, PREGNANCY,
AND DEVELOPMENT
M. W. Burke, R. M. Palmour, H. Slimani, M. Ptito, F. R.
Ervin

9:30-9:55 LIFESPAN DEVELOPMENTAL STUDY OF THE 3XTG-
AD MOUSE MODEL OF ALZHEIMER'S DISEASE: THE
EFFECT OF MATERNAL GENOTYPE ON LATER LIFE
COGNITIVE PERFORMANCE
K. R. Stover*, C. E. Blaney, R. E. Brown

9:55-10:20 THE DEVELOPMENT OF SOCIALLY COMPLEX
BEHAVIOR
J. P. Curley

10:20-10:30 Discussion

10:30-10:50 **MORNING BREAK**

10:50-12:05 **ORAL SESSION 1: SLEEP - Queen Anne Ballroom**
Chair: Bill Fifer

10:50 - 11:05 A TWITCH IN TIME
M. S. Blumberg, C. M. Coleman, and A. I. Gerth.

11:05-11:20 RAPID WHISKER MOVEMENTS IN SLEEPING
NEWBORNS.
A. Tiriac, A.S. Fanning, B.D. Uitermarkt, C.M. Coleman,
G. Sokoloff, M.S. Blumberg

11:20-11:35 SLEEP IN PRESCHOOL CHILDREN: EFFECTS OF
ACUTE NAP DEPRIVATION ON SELF-REGULATORY
BEHAVIORS IN A CHALLENGE CONTEXT
M.K. LeBourgeois, R. Seifer

11:35-11:50 SLEEP IN PRESCHOOLERS: LATE PHASE SLEEPERS
HAVE MORE COGNITIVE & SOCIAL-EMOTIONAL
PROBLEMS & HEIGHTENED STRESS-REACTIVITY
L. Badanes, M. Mendoza, S. Enos Watamura

11:50-12:05 SLEEP IN PRESCHOOLERS: ASSOCIATIONS WITH
EATING BEHAVIOR AND OBESITY IN A LOW-INCOME
SAMPLE
A. L. Miller, K. E. Peterson, N. Kaciroti, J. C. Lumeng

12:05-1:30 **MID-DAY BREAK**

1:30-3:00	ORAL SESSION 2: FEAR AND STRESS - Queen Anne Ballroom Chair: Dragana Claflin	3:15-4:45	SACKLER SYMPOSIUM: EFFECTS OF EARLY-LIFE ADVERSITY ON AMYGDALA-PREFRONTAL INTERACTIONS: CONVERGENCE ACROSS SPECIES - Queen Anne Ballroom Chair: Bridget Callaghan
1:30 - 1:45	THE RELATIONSHIPS AMONG HPA FUNCTIONING, STRESS, AND MENTAL HEALTH G. A. Bogat, A. A. Levendosky, J. S. Lonstein, C. Martinez-Torteya, M. Muzik, D.A. Granger	3:15-3:35	INFANT ATTACHMENT, EARLY LIFE ABUSE AND AMYGDALA-PREFRONTAL CORTEX INTERACTIONS IN THE RAT R. M. Sullivan
1:45-2:00	DRD-4 7-REPEAT POLYMORPHISM, MATERNAL DEPRESSION, AND DIFFICULT INFANT TEMPERAMENT: A MODERATION HYPOTHESIS E. Bocknek* , A. Busuito, A. Broderick, A. King, I. Liberzon, M. Muzik	3:35-3:55	MATERNAL-SEPARATION AND PREFRONTAL REGULATION OF FEAR BEHAVIOUR IN THE RAT B. Callaghan
2:00-2:15	BIO-SOCIAL CONTRIBUTORS TO EARLY EXECUTIVE FUNCTION: A LONGITUDINAL ANALYSIS K. Cuevas, A. J. Watson, K. Deater-Deckard, M. A. Bell	3:55-4:15	EFFECTS OF EARLY LIFE STRESS ON DEVELOPMENT OF PREFRONTAL-AMYGDALA CIRCUITS B.R. Howell* , Y. Shi, D. Grayson, X. Zhang, G. Nair, X. Hu, D. Fair, M. Styner, M. Sanchez
2:15-2:30	UNDERSTANDING VARIABILITY IN ADOLESCENT CORTISOL RESPONSE: A WHOLE-FAMILY BIOPSYCHOLOGICAL APPROACH V. K. Johnson, S. E. Gans	4:15-4:35	HUMAN AMYGDALA AND VENTROMEDIAL PREFRONTAL CORTEX DEVELOPMENT FOLLOWING MATERNAL DEPRIVATION N. Tottenham, Gee, D.G.
2:30-2:45	INFANT ADRENOCORTICAL REACTIVITY AND BEHAVIORAL FUNCTIONING: RELATION TO PRENATAL INTIMATE PARTNER VIOLENCE. A. A. Levendosky, G. A. Bogat, J. S. Lonstein, C. Martinez-Torteya, M. Muzik, and D. A. Granger	4:35-4:45	Discussion
2:45-3:00	A RETRIEVAL-EXTINCTION PROCEDURE REDUCES RECOVERY OF FEAR IN ADOLESCENT RATS K. D. Baker* , G. P. McNally, and R. Richardson		
3:00-3:15	AFTERNOON BREAK		

5:00-7:00

POSTER SESSION 1 (CASH BAR)
East/West Ballroom

1. THE CONTRIBUTION OF EARLY ADVERSE EXPERIENCES AND TRAJECTORIES OF RSA ON THE DEVELOPMENT OF INTERNALIZING AND EXTERNALIZING BEHAVIOR AMONG CHILDREN WITH PRENATAL SUBSTANCE EXPOSURE. **E. Conradt***, T. P. Beauchaine, C. R. Bauer, S. Shankaran, H. S. Bada, T. M. Whitaker, L. L. Lagasse, J. Hammond, and B. Lester
2. CAN GESTURES REVEAL MORE THAN WORDS? EXAMINING MEMORY IN PRESCHOOLERS. J. S. Herbert, L. Robertson
3. EARLY EXPOSURE TO TWO LANGUAGES AND FLEXIBLE MEMORY RETRIEVAL BY 6-MONTH-OLD INFANTS. N.H. Brito, R.F. Barr
4. THE EFFECT OF VERBAL CUES ON THE ASSOCIATION BETWEEN EVENTS. J. Gross, R. Barr, H. Hayne
5. A STUDY OF IMITATION AND WORKING MEMORY IN 2- TO 4-YEAR-OLDS. R. Barr, F. Subiaul, L. Zimmermann, E. Renner, B. Schilder, C. Mendelson, L. Golojuch
6. TRANSFER OF LEARNING ACROSS DIMENSIONAL CHANGES IN 2.5-YEAR-OLDS. **A. Moser***, K. Dickerson, P. Gerhardstein, L. Zimmermann, E. Oot, and R. Barr
7. A NOVEL BOX TASK: EXAMINING IMITATION AND EMULATION STRATEGIES IN 2- TO 4-YEAR-OLDS. **L. Zimmermann***, N. Brito, C. Mendelson, R. Barr, E. Renner, B. Schilder, & F. Subiaul
8. THE RELATIONSHIP BETWEEN RESTING HEART RATE, HEART RATE VARIABILITY AND DEPRESSION IN PREGNANT WOMEN. L. Ecklund-Flores, D. Matatyaho, E. Vignola, L. Fassa, M.M. Myers and W.P. Fifer
9. EFFECTS OF GESTATIONAL AGE (GA) AT BIRTH ON PREMATURE INFANT AUTONOMIC RESPONSES TO THE STILL FACE PARADIGM AT FOUR MONTHS CORRECTED AGE. M. G. Welch, A. Bechar, J.Austin, B.Beebe, E.Fiedor, R.J. Ludwig, R.I. Stark, M.A. Hofer, M. M. Myers
10. THE RELATIONSHIP BETWEEN FETAL HEART RATE AND MOVEMENT: SOUND VS. SHAM STIMULATION. **J. Zavala***, L. Ecklund-Flores, M. M. Myers, A. Perez, E. Vignola, J. D. Nugent, W. P. Fifer
11. THE ROLE OF CONTINGENT RESPONSES IN ELICITING REAL-TIME ADVANCES IN VOCAL DEVELOPMENT IN THE ZEBRA FINCH (TAENIOPYGIA GUTTATA). **R. Chou***, O. Menyhart, M. H. Goldstein, and T. J. DeVoogd
12. THE ROLE OF ECOLOGICAL ENRICHMENT IN FACILITATING PERCEPTUAL LEARNING AND MEMORY IN BOBWHITE QUAIL CHICKS. **J. P. Jefferson***, R. Lickliter
13. INTERSENSORY FACILITATION OF PERCEPTUAL LEARNING IN DARK VS. LIGHT INCUBATED NORTHERN BOBWHITE QUAIL(Colinus virginianus) CHICKS. **B.S. Martinez***, and R. Lickliter
14. SOCIAL CONTINGENCY ENHANCES POSTNATAL MEMORY IN NORTHERN BOBWHITE QUAIL. **N. Raju***, L. E. Bahrick, R. Lickliter
15. FROM PRENATAL ORIGINS TO ADULTHOOD: THE GUINEA PIG, CAVIA PORCELLUS, AS A LIFESPAN MODEL OF BEHAVIORAL DEVELOPMENT. G. A. Kleven
16. HIPPOCAMPAL COMMISSURE DEFECTS IN CROSSES OF FOUR INBRED MOUSE STRAINS WITH ABSENT CORPUS CALLOSUM. J. D. Bailoo, M. O. Bohlen, R. L. Jordan and D. Wahlsten
17. DIFFERENTIAL NUMBERS OF BROMODEOXYURACIL (BRDU) POSITIVE CELLS IN NORMAL ADOLESCENT AND YOUNG ADULT RATS. **M.L. Saul**, D.L. Helmreich, L.M. Callahan, J.L. Fudge
18. NOVEL METHODOLOGIES FOR THE ASSESSMENT OF SOCIAL FUNCTIONING IN MICE ACROSS DEVELOPMENT. **P. A. Kabitzke***, L. M. Ress, E. H. Simpson, C. B. Kellendonk, and P. D. Balsam

19. ROLE OF NOP OPIOID RECEPTORS ON ETHANOL INTAKE AND ACTIVATING EFFECTS IN INFANT RATS. **R. S. Miranda Morales***, D. Waters, N. E. Spear
20. GENE EXPRESSION OF GUSTATORY BITTER AND IRRITATION SENSING RECEPTORS ARE DECREASED IN THE CIRCUMVALLATE PAPILLA OF ANIMALS PRENATALLY EXPOSED TO ETHANOL. L.T. Prestia, F.A. Middleton, S.L. Youngentob
21. THE EFFECT OF FETAL NICOTINE EXPOSURE ON THE OLFACTORY RESPONSE TO ODOR IN EARLY POSTNATAL, ADOLESCENT AND ADULT RATS. N.M. Randall, P.F. Kent, L.M. Youngentob, S.L. Youngentob
22. LOCAL ESTROGEN PRODUCTION AND SWEET TASTE CALORIE RELATIONS IN FEMALE RATS: EFFECTS OF PRE-PUBERTAL OVARECTOMY. S.E. Swithers, C.H. Sample, D.P. Katz
23. ONTOGENETIC DIFFERENCES IN INTAKE AND REINFORCEMENT OF SWEET AND BITTER FLUIDS IN INFANT RATS. S. K. Sanders, D. H. Waters, and N. E. Spear
24. PRENATAL STRESS AFFECTS FOOD PREFERENCE AND METABOLIC PARAMETERS IN WISTAR RATS. A. Weller, M. Schroeder, S. Yarkoni, T. Sultany, N. Kronfeld-Schor
25. PAVLOVIAN CONDITIONING IN THE ZEBRAFISH USING VISUAL STIMULI: AN ALTERNATIVE ANIMAL MODEL FOR STUDYING THE ONTOGENY OF LEARNING AND MEMORY. P.S. Hunt, A.E. Sullivan, S. Savedge, R.C. Barnet, Y. Fernandes, R. Gerlai
26. DIFFERENTIAL ONTOGENY OF OBJECT AND PLACE NOVELTY IN DEVELOPING RATS. W.B. Schreiber, S. R. Westbrook, L.E. Brennan, S. A. Jablonski, and M. E. Stanton
27. DETERMINANTS OF OBJECT AND PLACE NOVELTY IN JUVENILE RATS. S. A. Jablonski, W. B. Schreiber, M.E. Stanton
28. LATENT INHIBITION AND FACILITATION OF CONDITIONED TASTE AVERSION IN INFANT RATS. **M. Gaztanaga***, E. Daz-Cenzano, C. Arias, and M.G. Chotro
29. ONTOGENESIS OF TIME INTERVAL ENCODING IN ODOR FEAR CONDITIONING. R.M. Sullivan, K. Shionoya, J. Boulanger Bertolus, J. Ahers, E. Londen, C. Hegoburu, T. Sullivan-Wilson, J. Rousselot, B.L. Brown, V. Doyre, and A-M. Mouly
30. PARALLEL STUDIES OF EARLY LEARNING EFFECTS ON SUBSEQUENT LEARNING IN BOTH EYEBLINK AND FEAR CONDITIONING. D. I. Clafflin, S. N. Collins, F. J. Deek, S. G. Wood, R. A. Skipper, C. L. Beeman, and J. J. Quinn
31. SCOPOLAMINE IMPAIRS THE CONTEXT PRE-EXPOSURE FACILITATION EFFECT IN JUVENILE RATS. **L. B. Dokovna***, M. E. Stanton
32. ADOLESCENT SENSITIVITY TO LEARNING FEARFUL ASSOCIATIONS: DISRUPTIONS BY CORTICOSTERONE. **M.L. Den*** and R. Richardson
33. INVOLVEMENT OF NMDA RECEPTORS IN THE ACQUISITION OF CONTEXTUAL FEAR MEMORY IN PREWEANLING AND WEANLING RATS, TRAINED IN THE CONTEXT PREEXPOSURE FACILITATION EFFECT PARADIGM. M. V. Pisano, G. Paglini, P. Abate, C. Arias
34. BLOCKING AND AUGMENTATION IN PREWEANLING RATS: ROLE OF THE SENSORY MODALITY AND TEMPORAL CONTIGUITY OF THE TRAINING CUES. C. Arias, M. Gaztanaga and M.G. Chotro
35. BIO-BEHAVIORAL ANALYSIS OF PRENATAL/POSTNATAL PESTICIDE EXPOSURE IN MICE REVEALS SILENT VULNERABILITY TO PARKINSONS DISEASE. S. A. Bellinger, C. T. Fitch , A. E. Neuforth, N. V. Reo, G. A. Kleven

36. EFFECTS OF PERINATAL EXPOSURE TO BISPHENOL A ON THE NUMBER OF NEURONS IN THE MEDIAL PREFRONTAL CORTEX AND BEHAVIOR ON THE RADIAL ARM MAZE IN ADULT RATS. **R. N. Sadowski***, L. M. Wise, P. Y. Park, S. L. Neese, S. L. Schantz, J. M. Juraska
37. EFFECTS OF EXPOSURE TO BISPHENOL A DURING ADOLESCENCE ON THE RADIAL ARM MAZE IN ADULTHOOD. **L. M. Wise***, R. N. Sadowski, S. L. Schantz, J. M. Juraska
38. AN ODOR PREVIOUSLY PAIRED WITH SHOCK DURING INFANTS SENSITIVE PERIOD ATTACHMENT LEARNING CAN RESTORE ADULT DEPRESSION-LIKE BEHAVIOR, AMYGDALA AND OLFACTORY CORTEX FUNCTIONS. A.M. Mouly, Y. Sevelinges, C. Raineki, and R.M. Sullivan
39. THE EFFECTS OF PUBERTAL HORMONES ON THE NUMBER OF NEURONS IN THE RAT MEDIAL PREFRONTAL CORTEX. W. A. Koss, J.M. Juraska
40. ASSESSMENT OF THE IMPACT OF EARLY-LIFE ENVIRONMENTAL MANIPULATIONS ON THE EXPRESSION OF EPIGENETIC REGULATORS AND GENE DNA METHYLATION IN THE DEVELOPING AND ADULT MEDIAL PREFRONTAL CORTEX. **J. Blaze***, L. Scheuing, T.L. Roth
41. THE MOTHER REGULATES THE TRANSITION BETWEEN ATTACHMENT AND FEAR LEARNING AND ALTERS GENE EXPRESSION IN THE AMYGDALA OF INFANT RATS. G.A. Barr, R.M. Sullivan
42. VARIANCE IN EARLY MATERNAL CARE AND ANXIETY-RELATED BEHAVIOR ARE ASSOCIATED WITH LATER ADULT MATERNAL BEHAVIOR AND TRYPTOPHAN HYDROXYLASE 2 EXPRESSION IN THE DORSAL RAPHE IN FEMALE RATS. C.M. Ragan, K. M. Harding, J. S. Lonstein
43. RETRIEVAL BEHAVIOR OF MICE WHEN PUPS HAVE BEEN EXPOSED TO FOX URINE. E. M. Hill, L. A. Becerra, M. R. Ventimiglia
44. MATERNAL DEPRIVATION AUGMENTS NIPPLE ATTACHMENT IN INFANT MOUSE (C57BL/6) PUPS. **C. Rodda***, J.R. Alberts
45. EFFECTS OF MATERNAL CARE ON THE DEVELOPMENT OF ESTROGEN-KISSPEPTIN SIGNALING. **E. P. Soehngen***, D. F. Werner, K. L. K. Tamashiro, N. Cameron
46. EFFECTS OF CRF ON PROINFLAMMATORY AND BEHAVIORAL CHANGES IN INFANT GUINEA PIGS DURING MATERNAL SEPARATION. V. Alexander, P. Schiml, W. Watanasriyakul, T. Deak, and M. B. Hennessy
47. MATERNAL PROGRAMMING OF STRESS RESPONSE IS MODIFIABLE BY BEHAVIORAL TRAINING. **S.A. Sakhai***, K.B. Saxton, D.F. Francis
48. AN ANIMAL MODEL OF THE CALMING CYCLE. **D. D. Rupert***, H. N. Shair, M. G. Welch

Friday, October 12

7:00-8:30 **WILEY EDITORIAL BREAKFAST – Bonnet Carre**

7:30-8:30 **CONTINENTAL BREAKFAST – Queen Anne Parlor**

8:30-10:30 **SYMPOSIUM: BEYOND ALLOSTATIC LOAD:
RETHINKING THE ROLE OF STRESS IN ADAPTIVELY
REGULATING HUMAN DEVELOPMENT – Queen Anne
Ballroom**
Chair: Bruce Ellis

8:30-8:55 BEYOND ALLOSTATIC LOAD: THE STRESS
RESPONSE SYSTEM AS A MECHANISM OF
CALIBRATION TO THE ENVIRONMENT
B.J. Ellis

8:55-9:20 IMPAIRMENT OR ADAPTATION? EVIDENCE FOR
DEVELOPMENTAL ADJUSTMENT OF MALE LIFE
HISTORY AND REPRODUCTIVE EXPENDITURE IN
THE PHILIPPINES
C. W. Kuzawa, L. S. Adair, N. Lee, T. W. McDade

9:20-9:45 HORMONES IN THE WILD: ALLOSTATIC LOAD IN
CHILDREN’S EVERYDAY LIVES
M.V. Flinn

9:45-10:10 DEVELOPMENTAL PROGRAMMING OF SELF-
REGULATION IN EARLY CHILDHOOD: ADAPTIVE
CALIBRATION OR DIATHESIS-STRESS?
C. Blair

10:10-10:30 Discussion: D. Francis

10:30-10:50 **MORNING BREAK**

10:50-12:20 **ORAL SESSION 3: PREFERENCE, LEARNING AND
COMMUNICATION**
Chair: Mark Stanton

10:50 - 11:05 NON-NUTRITIVE MATERNAL CUES INDUCE ODOR
PREFERENCE IN C57BL/6 MICE
P. Meyer* and J.R. Alberts

11:05-11:20 THE INTERACTION OF FOOD INTAKE AND
VOLUNTARY ALCOHOL INTAKE: INCENTIVE
MOTIVATION, FAT DEPRIVATION AND GALANIN
EFFECTS
M. Atzram, M.J.Lewis

11:20-11:35 BREEDING FOR RATE OF ISOLATION-INDUCED
ULTRASONIC VOCALIZATIONS INFLUENCES OTHER
VOCAL PARAMETERS
H. N. Shair, A. Aslam, J. Smith, M. A. Hofer, S.A. Brunelli

11:35-11:50 EXPLORING PATTERNS OF VISUAL ATTENTION
DURING LEARNING
G. Taylor and J. S. Herbert

11:50-12:05 STRIATAL VOLUMES CONTRIBUTE TO VERBAL AND
NONVERBAL FLUENCY FOLLOWING HEAVY
PRENATAL ALCOHOL EXPOSURE
A. L. Ware*, J. W. OBrien, B. N. Deweese, M. A. Infante,
E. R. Sowell, K. L. Jones, E. P. Riley, S. N. Mattson, and
the CIFASD

12:05-12:20 THE EFFECT OF VERBAL REMINDERS ON MEMORY
REACTIVATION IN 2-, 3-, AND 4-YEAR-OLD
CHILDREN.
D. Scarf, K. Imuta, H. Hayne

12:20-1:45 **MID-DAY BREAK**

12:20-1:45 **MEET THE PROFESSORS LUNCH**

1:45-3:15	SYMPOSIUM: TRANSLATIONAL MODELS OF EARLY ADVERSIUM ON NEUROPLASTICITY: SEX MATTERS. Chair: Susanne Brummelte	5:35-5:55	DISSERTATION AWARD OPIOID MEDIATED BEHAVIORAL EFFECTS AND LEARNING IN THE NEONATAL RAT: COMPARISON OF AMNIOTIC FLUID AND MILK V. Mendez-Gallardo
1:45-2:10	SEX DIFFERENCES IN THE EFFECTS OF STRESS OR CORTICOSTERONE EXPOSURE DURING DEVELOPMENT ON HIPPOCAMPAL NEUROGENESIS AND BEHAVIOR L.A.M. Galea	5:55-6:05	SENIOR INVESTIGATOR AWARD Norman E. (Skip) Spear
2:10-2:35	PRENATAL ALCOHOL EXPOSURE DIFFERENTIALLY ALTERS INTERACTIONS BETWEEN STRESS AND DOPAMINE SYSTEMS IN MALES AND FEMALES K. A. Uban* , L. A. M. Galea, J. Weinberg	6:05-6:35	NIH FUNDING: TRAINING AND RESEARCH GRANT OPPORTUNITIES* K. Mann Koepke and L. Freund
2:35-3:00	SEX DIFFERENCES IN OFFSPRING RESPONSE TO EARLY LIFE PROTEIN RESTRICTION: RISK AND RESILIENCE TO ADHD-LIKE BEHAVIORS T. M. Reyes	*To access materials from this NIH funding session, use the QR codes/websites on the following page.	
3:00-3:15	Discussion - WHAT CAN WE TRANSLATE FROM ANIMAL MODELS ABOUT SEX-SPECIFIC RISK AND/OR RESILIENCE IN HUMANS? S. Brummelte	8:00-10:00 p.m.	STUDENT SOCIAL – Bonnet Carre
3:15-3:45	AFTERNOON BREAK		
3:45-5:00	JOHN WILEY DISTINGUISHED SPEAKER Evelyn Fox Keller GENOMES AS REACTIVE SYSTEMS		
5:15-6:35	ISDP AWARDS AND NIH FUNDING SESSION Chair: Scott Robinson		
5:15-5:35	SANDRA G. WEINER STUDENT INVESTIGATOR AWARD CONTINGENT PLAYBACK UPON JUVENILE VOCALIZATION SHAPES FINAL SONG PRODUCTION IN THE ZEBRA FINCH (TAENIOPYGIA GUTTATA). O. Menyhart , M. L. Wegener, M. H. Goldstein, and T. J. DeVogd		

NICHD Grant Funding for Research:
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Kathy Mann Koepke*
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*Organizer/Contact Lisa Freund: Request ecopy of slides
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Saturday, October 13

7:30-8:30 **CONTINENTAL BREAKFAST - East/West Ballroom**

8:00-10:00 **NICHD REPRESENTATIVES AVAILABLE**

8:00-10:00 **POSTER SESSION 2 - East/West Ballroom**

1. PREDICTING EXPLORATIVE BEHAVIOR BY LEVEL OF EMOTIONAL REACTIVITY IN BOBWHITE QUAIL NEONATES (COLINUS VIRGINIANUS). **M. Suarez**, R. Lickliter
2. ELEVATED PRENATAL PROGESTERONE INCREASES EMOTIONAL REACTIVITY AND INTERFERES WITH PRENATAL LEARNING IN BOBWHITE QUAIL (COLINUS VIRGINIANUS). **J.A. Herrington***, C. Vallin and R. Lickliter
3. BEHAVIORAL EFFECTS OF POSTNATAL FLUOXETINE ADMINISTRATION IN RATS SELECTIVELY BRED FOR AN INFANTILE AFFECTIVE TRAIT. **S. C. Germeyan***, M. Iyer, D. Zarate, and B. Zimmerberg
4. INFLUENCE OF POSTNATAL FLUOXETINE TREATMENT ON EPIGENETIC REGULATION OF GENE EXPRESSION AND MOOD RELATED BEHAVIOUR. **A. Sarkar***, L. A. Desouza, P. Chachra, V. A. Vaidya
5. MODULATION OF NOVELTY EFFECTS ON ADULT OFFSPRING HPA FUNCTION BY MATERNAL CIRCULATING GLUCOCORTICOID. S.M. Dinces, R.D. Romeo, B.S. McEwen, A.C. Tang
6. DEVELOPMENT AND EXPRESSION OF PARENTAL AND INFANTICIDAL BEHAVIOR IN C57BL/6 MICE. D.E. Olazbal, M. Alsina, and V. DeBrun
7. CONTRIBUTION OF BROWN ADIPOSE TISSUE THERMOGENESIS TO THE STRUCTURE OF HUDDLING IN C57BL/6 MOUSE PUPS. **J. Culligan***, C. Harshaw, J. R. Alberts
8. STRUCTURE OF A HUDDLE: SEX DIFFERENCES AND THERMAL CONTROL OF CONTACT BEHAVIOR IN LITTERS OF C57BL/6 MOUSE PUPS. C. Harshaw, J. Culligan, J. R. Alberts
9. GROUP BEHAVIOR OF MOUSE LITTERS AND THE DEVELOPMENT OF REGULATED PUP FLOW. **D. S. Shelton***, J. R. Alberts
10. UNILATERAL LIMB WEIGHTING AFFECTS SPATIAL BUT NOT TEMPORAL PARAMETERS OF THE LEG EXTENSION RESPONSE (LER) IN NEONATAL RATS. **R. C. Bean***, M. E. Roberto, M. R. Brumley
11. DEVELOPMENT OF THE LEG EXTENSION RESPONSE (LER) IN SPINAL TRANSECTED MALE AND FEMALE RAT PUPS. **M. R. Singh***, M. M. Strain, S. D. Harris, T. Kao, M. R. Brumley
12. QUIPAZINE-INDUCED AIR-STEPPING IN THE PERINATAL RAT: IS IT LOCOMOTION? H.E. Swann, M.R. Brumley
13. THE ISOLATED, IMMATURE SPINAL CORD ADAPTS TO RANGE OF MOTION (ROM) RESTRICTION DURING QUIPAZINE-INDUCED STEPPING IN NEONATAL RATS. M. M. Strain, S. D. Harris, S. Boomhower, T. Kao, M. R. Brumley
14. DEVELOPMENTAL DIFFERENCES IN THE EFFECTS OF ALCOHOL AND STRESS ON HRV. J.D. Sweatt, L.P. Spear
15. BEHAVIORAL FUNCTION AND DEVELOPMENT OF THE VIBRISAL SYSTEM IN C57BL/6J MICE. **H. Arakawa***, R. Erzurumlu
16. SENSORIMOTOR GATING TO A VISUAL OR AUDITORY PREPULSE WITH CONSTITUTIVE EXPRESSION OF THE HIV-1 TRANSGENE IN F344 RATS. L.M. Moran, R.M. Booze, C.F. Mactutus
17. STATE-DEPENDENT NEURAL ACTIVITY IN WHISKER THALAMUS. **A.S. Fanning***, A. Tiriach, W.D. Todd III, M.S. Blumberg

18. CEREBELLAR ACTIVITY DURING SLEEP AND WAKEFULNESS IN WEEK-OLD RATS. G. Sokoloff, B.D. Uitermarkt, W.D. Todd III, M.S. Blumberg
19. TWITCH-RELATED BARREL CORTEX ACTIVITY DURING ACTIVE SLEEP REVEALED BY VOLTAGE-SENSITIVE DYE IMAGING. **B.D. Uitermarkt***, G. Sokoloff, M.S. Blumberg
20. DEVELOPMENT OF QUIPAZINE-INDUCED STEPPING IN SPINAL TRANSECTED NEWBORN RATS. S. D. Harris, K. H. Moore, M. M. Strain, T. Kao, and M. R. Brumley
21. LEG EXTENSION RESPONSE (LER) TRAINING IN NEONATAL RATS. M. E. Roberto, S. C. Belnap, J. Allmond, M. R. Brumley
22. DEVELOPMENT OF HANDEDNESS FOR SIMPLE AND COMPLEX ROLE-DIFFERENTIATED BIMANUAL MANIPULATION SKILLS IN RELATION TO HANDEDNESS FOR OBJECT ACQUISITION. I. Babik, G. F. Michel
23. THE RELATIONSHIP BETWEEN HANDEDNESS FOR REACHING AND HANDEDNESS FOR UNIMANUAL MANIPULATION FROM 6 TO 14 MONTHS. J. M. Campbell, I. Babik, and G. F. Michel
24. PREDICTING INFANTS' CONSTRUCTING SKILLS ACCORDING TO HANDEDNESS ASSESSED BY TRAJECTORY ANALYSES OR BY A HANDEDNESS INDEX. E. C. Marcinowski, G. F. Michel
25. HAMMERING BY YOUNG CHILDREN WITH THEIR LEFT AND RIGHT HANDS. B. A. Kahrs, W. P. Jung, and J. J. Lockman
26. STABLE HANDEDNESS DURING INFANCY PREDICTS ADVANCED LANGUAGE SKILLS AT TWO YEARS OF AGE. E. L. Nelson, J. M. Campbell, G. F. Michel
27. INDIVIDUAL DIFFERENCES IN FEAR POTENTIATED STARTLE IN BEHAVIORALLY INHIBITED CHILDREN. **T. V. Barker***, B. C. Reeb-Sutherland, and N. A. Fox
28. EVENT-RELATED POTENTIALS IN RESPONSE TO SMOKING AND NONSMOKING CUES AMONG INDIVIDUALS WITH PREVIOUS EXPOSURE TO PARENTAL SMOKING. **P.J. Hammett***, C.L. Dickter, C.A. Forestell
29. TIMING OF SPONTANEOUS EYE BLINKS AND FLUCTUATIONS IN SPATIAL ATTENTION. L.F. Bacher, S.S. Robertson
30. OLFATORY CONDITIONING IN THE SLEEPING NEWBORN. J. S. Yang, J. R. Isler, C. G. Condon, J. J. Violaris, E. K. Tamura, N. Burtchen, P. D. Balsam, W. P. Fifer
31. DIFFERENCES IN EEG ACTIVITY BETWEEN LATE PRETERM AND FULL TERM INFANTS AT BIRTH AND ONE MONTH AFTER DELIVERY. E.K. Tamura, N. Burtchen, P.G. Grieve, P. Parsafar, C.G. Condon, W.P. Fifer, M.M. Myers
32. DEVELOPMENTAL TRAJECTORIES OF FUNCTIONAL EEG CONNECTIVITY IN LATE PRETERM AND FULL TERM INFANTS. N. Burtchen, M. M. Myers, E. K. Tamura, P. Parsafar, P. G. Grieve, W. P. Fifer
33. LANGUAGE DEVELOPMENT LINKED TO NEWBORN FRONTAL GAMMA POWER. A. R. Tarullo, J. Lee, S. Gera, C. Condon, E. K. Tamura, P. Grieve, M. M. Myers, W. P. Fifer
34. 21 AND BEYOND: GENETIC INFLUENCES ON EXECUTIVE FUNCTION AND ATTENTION IN CHILDREN WITH DOWN SYNDROME. **G.M. Mason***, G. Spanó, P. Anand, M. Sampsel, J.O. Edgin
35. BOTTOM-UP INFLUENCES ON GAZE DIRECTION IN AUTISM. D. Amso, S. Haas, E. Tenenbaum, and S. Sheinkopf
36. THE ROLE OF VOICE AND MOTION CUES IN INFANTS' SHIFTING PATTERNS OF SELECTIVE ATTENTION TO TALKING FACES. **A. Hansen Tift***, N. Minar, & D. J. Lewkowicz
37. SYNAESTHESIA IN INFANCY: FAILURE TO REPLICATE WALKER ET AL. (2010). **N. Minar***, A. Tift, D. J. Lewkowicz

38. BEYOND MONA LISA: USING REVERSE CORRELATION WITH REAL FACES AND SINUSOIDAL NOISE TO ESTIMATE DEVELOPING VISUAL BIASES. D. Hipp, X. Zhang, L. Yin, P. Gerhardstein	10:00-10:15 10:15-11:15	MORNING BREAK JOHN WILEY BEST STUDENT PAPER AWARD PRESIDENTIAL ADDRESS - Queen Anne Ballroom
39. ATTUNEMENT OF THE HPA AXIS RESPONSE TO STRESS IN MOTHER-INFANT DYADS EXPOSED TO PREPARTUM OR POSTPARTUM INTIMATE PARTNER VIOLENCE. J.S. Lonstein, A.A. Levendosky, G.A. Bogat, C. Martinez-Torteya, D.A. Granger, M. Muzik	11:15-12:15	Scott Robinson - GENERATION OF WIPERS BUSINESS MEETING – ALL INVITED POSTER AWARD
40. STRESS PHYSIOLOGY AND ATTENTION BIAS TO THREAT. A. Ursache* , C. Blair	12:15	END OF ISDP CONFERENCE 2012
41. EARLY CHILD CARE, EXECUTIVE FUNCTIONING, AND THE MODERATING ROLE OF EARLY STRESS PHYSIOLOGY. D. Berry, C. Blair, A. Ursache, M. Willoughby, D.A. Granger & the Family Life Project Key Investigators		
42. PARENTAL NURTURANCE AND ITS INFLUENCE ON PRE-FRONTAL CORTEX DEPENDENT MEMORY IN YOUNG CHILDREN. E. Polidore* , J. Brooks-Gunn, P. Klabenov, K. Noble		
43. HIPPOCAMPAL VOLUME VARIES BY EDUCATIONAL ATTAINMENT ACROSS THE LIFE SPAN. L.E. Engelhardt* , S. M. Grieve, M. S. Korgaonkar, E. Y. Griffith, L. M. Williams, A. M. Brickman, K. G. Noble		

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ISDP 2012 AWARDS



ISDP Dissertation Award

Valerie Mendez-Gallardo, University of the Basque Country, San Sebastian, Spain (Scott R. Robinson-Advisor). *This award honors outstanding scientists early in their careers and to help defray costs of attending the meeting. Winner of this award will do a special presentation of her*

dissertation at the annual meeting.



Sandra G. Wiener Award

Otilia Menyhart, Cornell University, Ithaca, NY, USA (Michael H. Goldstein-Advisor). *This award was established in memory of Sandra Wiener to help defray costs of graduate students attending the annual meeting of ISDP. This award was established to honor Sandy for her interest and concern*

for students and her dedication and affection for ISDP.



Senior Investigator Award

Norman E. (Skip) Spear, SUNY-Binghamton, NY, USA. *This award was established to recognize individuals who have made significant contributions to the field of Developmental Psychobiology and to ISDP.*

Registration Desk Hours

<i>Wednesday</i>	5:00-8:00 pm
<i>Thursday</i>	7:30-8:30 am; 10:30-10:50; 12:05-12:30
<i>Friday</i>	7:30-8:30 am; 10:30-10:50; 12:20-1:00
<i>Saturday</i>	9:45-10:15 am

Load Talks on Conference Computers

<i>Wednesday</i>	6:00-8:00 pm
<i>Thursday</i>	7:30-8:30 am; 10:30-10:50; 12:05-1:30; 3:00-3:15; 5:00-6:00
<i>Friday</i>	7:30-8:30 am; 10:30-10:50; 12:20-1:00; 3:00-3:15
<i>Saturday</i>	9:45-10:15 am

Travel Awards

Funding for these awards was generously provided by

*Wiley, Sackler Institute for Developmental Psychobiology at Columbia University,
National Institutes of Health, Mead Johnson Nutrition,
and Columbia University Brain/Gut Initiative*

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Paul Meyer	Jeffrey R. Alberts	Indiana University	Julia Zavala	William P. Fifer	Mercy College
			Laura Zimmermann	Rachel Barr	Georgetown University

Program at a Glance

Wednesday - Oct. 10

2:30-5:30	Pre-conference: The International Perinatal Brain and Behavior Network (IPBBN)
5:00-8:00	Registration
6:00-8:00	Board Meeting
8:00-10:00	Opening Reception

Thursday - Oct. 11

7:30-8:20	Continental Breakfast
7:30-8:20	Student/Post-doc Breakfast Chat Session
8:20-8:30	Opening Remarks
8:30-10:30	Symposium Lifespan Developmental Psychobiology Richard Brown-Chair
10:30-10:50	Morning Break
10:50-12:05	Oral Session 1 - Sleep
12:05-1:30	Mid-Day Break
1:30-3:00	Oral Session 2 - Fear & Stress
3:00-3:15	Afternoon Break
3:15-4:45	Sackler Symposium Effects of early-life adversity on amygdala-prefrontal interactions: Convergence across species Bridget Callaghan-Chair
5:00-7:00	Poster Session 1 (Cash Bar)

Friday - Oct. 12

7:00-8:30	Wiley Editorial Breakfast
7:30-8:30	Continental Breakfast
8:30-10:30	Symposium Beyond Allostastic Load: Rethinking the Role of Stress in Adaptively Regulating Human Development Bruce Ellis-Chair
10:30-10:50	Morning Break
10:50-12:20	Oral Session 3 - Preference, Learning, & Communication
12:20-1:45	Mid-Day Break
12:20-1:45	Meet the Professors Lunch
1:45-3:15	Symposium Translational models of early adversity on neuroplasticity: Sex matters Susanne Brummelte-Chair
3:15-3:45	Afternoon Break
3:45-5:00	John Wiley Distinguished Speaker Evelyn Fox Keller
5:15-6:35	Awards and NIH Funding Session
8:00-10:00	Student Social

Saturday - Oct. 13

7:30-8:30	Continental Breakfast
8:00-10:00	Poster Session 2
8:00-10:00	NICHD Representatives Available
10:00-10:15	Morning Break
10:15-11:15	John Wiley Best Student Paper Award Presidential Address- Scott Robinson
11:15-12:15	Business Meeting-ALL INVITED Poster Award
12:15	END OF ISDP CONFERENCE 2012

**Join us for the 46th ISDP Meeting in San Diego, California, USA
November 6-9, 2013**