



40TH ANNUAL MEETING
CONFERENCE PROGRAM

OCTOBER 31 – NOVEMBER 3, 2007

CATAMARAN RESORT HOTEL
SAN DIEGO, CALIFORNIA

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INTERNATIONAL SOCIETY FOR DEVELOPMENTAL PSYCHOBIOLOGY
40TH ANNUAL MEETING
OCTOBER 31 – NOVEMBER 3, 2007
SAN DIEGO, CA

WEDNESDAY EVENING, OCTOBER 31

4:30 – 7:30 **REGISTRATION: CONTIKI FOYER**

7:30 – 9:00 **PAST PRESIDENTS' SYMPOSIUM**

Chair: George Michel

MATERNAL SEPARATION: IT'S ENOUGH TO MAKE YOU SICK

Michael Hennessy

Department of Psychology, Wright State University

A CAREER IN DEVELOPMENTAL PSYCHOBIOLOGY: SOME
HIGHLIGHTS, JOYS, AND FRUSTRATIONS

Judy Stern

Department of Psychology, Rutgers University

9:00 – 10:00 **WELCOME RECEPTION WITH CASH BAR**

THURSDAY, NOVEMBER 1

7:00 – 8:25 **WILEY EDITORIAL BREAKFAST**

8:00 – 8:30 **CONTINENTAL BREAKFAST AND COFFEE**

8:30 – 10:30 **EMERGENCE OF SMART BEHAVIOUR: THE ROLE OF PERCEPTION-ACTION SYSTEMS IN THE DEVELOPMENT OF COMPLEX COGNITIVE CAPACITIES**

Chair: Robert Lickliter

8:30 FLEXIBILITY AND SPECIFICITY OF MOTOR LEARNING
Karen Adolph, New York University

9:00 LEARNING TO PERCEIVE: THE ROLE OF OCULOMOTOR BEHAVIOR IN PERCEPTUAL AND COGNITIVE DEVELOPMENT
Scott Johnson, New York University

9:30 FROM OBJECT MANIPULATION TO TOOL USE
Jeffrey Lockman, Tulane University

10:00 LEARNING BY BABBLING: VOCAL DEVELOPMENT IS GUIDED BY THE PERCEPTION OF STRUCTURE IN SOCIAL INTERACTIONS
Michael Goldstein, Cornell University

10:30 – 11:00 **MORNING BREAK**

11:00 – 12:30 **ORAL SESSION 1**

Chair: Rachel Barr

11:00 ANATOMICAL AND FUNCTIONAL MAGNETIC RESONANCE IMAGING (AMRI, FMRI) OF THE DEVELOPING HUMAN BRAIN
C.R. Almlı

11:15 EEG FUNCTIONAL CONNECTIVITY OF EXTREMELY PREMATURE INFANTS AT TERM AGE PREDICTS NEURODEVELOPMENTAL OUTCOME AT ONE YEAR: AN ANALYSIS BASED ON THE CHIME DATA SET – **NIH Travel Awardee**
A. Izraelit, P. Grieve, R. Stark, W.P. Fifer, R.A. Darnall, & M.M. Myers

11:30 FETAL HEART RATE RESPONSES OVER PREGNANCY PREDICT INFANT MENTAL AND MOTOR DEVELOPMENT DURING THE FIRST YEAR OF LIFE
C. Buss, Q. Class, E.T. Tan, M. Gierczak, C. Patillo, E.P. Davis, & C.A. Sandman

11:45 EARLY (0-2 YEARS) CHARACTERISTICS OF HIGH-RISK INFANTS DIAGNOSED OR SUSPECTED TO HAVE AUTISTIC SPECTRUM DISORDERS
B.Z. Karmel, J.M. Gardner, I.L. Cohen, E. London, E.M Lennon, & M.J. Flory

12:00 ATTENTIONAL MODULATION OF STEADY-STATE VISUAL EVOKED POTENTIALS (SSVEP) IN VERY YOUNG INFANTS
S. Robertson & M. Wilbourn

12:15 THE INFANT RAT NEOCORTEX EXHIBITS MULTIPLE FORMS OF STATE-DEPENDENT ACTIVITY BEFORE THE EMERGENCE OF DELTA WAVES – **NIH Travel Awardee**
A.M.H. Seelke, A.J. Marciano-Reik, & M.S. Blumberg

12:30 – 2:00 LUNCH

12:30 – 2:00 BOARD MEETING WITH PAST PRESIDENTS

2:00 – 3:20 AWARDS SYMPOSIUM

2:00 **DISSERTATION AWARD**
 Vivian Hsu, Rutgers University
 Advisor: Carolyn Rovee-Collier
 THE PARAMETERS OF TIME-WINDOW SPACING ON MEMORY RETENTION

2:20 **KUCHARSKI YOUNG INVESTIGATOR**
 Michael Goldstein, Cornell University
 SOCIAL RESPONSES TO BABBLING CATALYZE WORD LEARNING

2:40 **SENIOR INVESTIGATOR 2006**
 Jay Rosenblatt

2:45 **SENIOR INVESTIGATOR 2007**
 Carolyn Rovee-Collier
 DEFERRED IMITATION AT 6 MONTHS: POTENTIATION OF AN ASSOCIATIVELY-ACTIVATED MEMORY REPRESENTATION

SANDRA G. WEINER AWARDS

3:05 Deb Watson, University of Delaware
 Advisor: Mark Stanton

3:10 Kathryn Lenz, Indiana University
 Advisor: Dale R. Sengelaub

3:15 Jee Hyun Kim, University of New South Wales
 Advisor: Rick Richardson

3:20 – 3:45 AFTERNOON BREAK

3:45 – 5:15 ORAL SESSION 2
 Chair: Nellie Laughlin

3:45 ESTABLISHMENT OF PREFERENTIAL NIPPLE USE IN KITTENS: WHEN, HOW, WHY?
 R. Hudson, R.D. González Cervantes, A. Bautista, & H. Distel

4:00 PREWEANING RAT PUPS RAPIDLY ACQUIRE A HUDDLING PREFERENCE FOR MATERNAL ODOR – **NIH Travel Awardee**
 S. Kojima & J.R. Alberts

4:15 DEVELOPMENTAL MANIPULATIONS OF OXYTOCIN AND VASOPRESSIN SYSTEMS IN PRAIRIE VOLES
 K.L. Bales, E.M. Boone, & C.S. Carter

4:30 COMMUNAL NESTING INDUCES ALTERNATIVE EMOTIONAL, SOCIAL AND MATERNAL BEHAVIOR IN OFFSPRING AND GRAND-OFFSPRING
 J.P. Curley, F.A. Champagne, & P. Bateson

4:45 VARIATION IN ACUTE FETAL RESPONSES TO MATERNAL PSYCHOLOGICAL CHALLENGE
 M.F.S.X. Novak, E.A. Kerschner, M.L. Miller, G.P. Sackett, & S.J. Suomi

5:00 THE MOLECULAR SCARS OF EARLY STRESS: PERSISTING CHANGES IN DNA METHYLATION IN A MODEL OF MATERNAL MALTREATMENT
 T.L. Roth, F.D. Lubin, A.J. Funk, & J.D. Sweatt

5:30 – 7:30 POSTER SESSION 1 (CASH BAR): AVIARY BALLROOM

- 1 DEPRESSION, ANXIETY AND CAFFEINE USE DURING PREGNANCY
 M.A. Diego & T. Field
- 2 SPONTANEOUS EYE BLINKING DURING THE FIRST YEAR: RELATIONSHIP TO TEMPERAMENT
 L. Bacher, K. Wallace, K. Cunningham, D. Major, & T. Miller
- 3 INDEPENDENT LOCOMOTION FACILITATES PRELINGUISTIC VOCAL DEVELOPMENT
 S. Syal & M.H. Goldstein
- 4 PRACTICE FACILITATES THE DURATION OF RETENTION AND THE FLEXIBILITY OF MEMORY RETRIEVAL BY 12-MONTH-OLD INFANTS – **NIH Travel Awardee**
 J. Gross & H. Hayne
- 5 MUSIC TRACK INTERFERES WITH IMITATION FROM TELEVISION DURING INFANCY
 R. Barr, L. Shuck, K. Salerno, M. Somanader, N. Miller, & D. Linebarger
- 6 CROSS-DIMENSION TRANSFER IN 15-MONTH-OLDS: IMITATION FROM 3D TO 2D AND 2D TO 3D – **NIH Travel Awardee**
 E. Zack, R. Barr, L. Shuck, G. Shroff, K. Dickerson, S. Miller, P. Gerhardstein, & A. Meltzoff
- 7 WHAT DO YOUNG CHILDREN REMEMBER ABOUT A UNIQUE EXPERIENCE AFTER A LONG DELAY? – **NIH Travel Awardee**
 K. Tustin & H. Hayne
- 8 DELAYED EXTINCTION AND SPONTANEOUS RECOVERY AT 3 MONTHS – **NIH Travel Awardee**
 C. Shafer & C. Rovee-Collier
- 9 SPEED OF RECOVERING A BRIEFLY PRIMED MEMORY AT 6 AND 9 MONTHS
 A.M. Hamilton & C. Rovee-Collier

- 10 THE SOCIAL-FUNCTION OF LOOKING IN PARENT-INFANT INTERACTION
E.P. Charles
- 11 ARE INFANTS SELECTIVELY TUNED TO INTERSENSORY TEMPORAL UNITY?
D.J. Lewkowicz
- 12 A MIXED MODELS ANALYSIS OF THE DEVELOPMENTAL RELATIONS AMONG INFANT PREHENSION HANDEDNESS AND HANDEDNESS FOR ROLE-DIFFERENTIATED BIMANUAL MANIPULATION – **NIH Travel Awardee**
C.L. Ferre & G.F. Michel
- 13 CHANGES IN HIGH-RISK INFANTS' AND TODDLERS' AFFECTIVE RESPONSES TO AROUSING STIMULI BY AGE AND TASK: COGNITION VS. REGULATION
J.M. Gardner, B.Z. Karmel, M.J. Flory, & E.M. Lennon
- 14 OBJECT, SURFACE AND OBJECT-ON-SURFACE MANIPULATION IN 10 MONTH OLD HIGH-RISK INFANTS – **NIH Travel Awardee**
Y. Bensinger-Brody, J.M. Gardner, & B.Z. Karmel
- 15 SALIVARY DIM LIGHT MELATONIN ONSET (DLMO) AS A MARKER OF CIRCADIAN PHASE IN PRESCHOOLERS
M.K. LeBourgeois, K. Garlo, R. Crossin, & M.A. Carskadon
- 16 EFFECTS OF PRENATAL EXPOSURE TO CORTISOL ON COGNITIVE FUNCTIONING AND TEMPERAMENT IN 5-YEAR OLDS
D.A. Korsen, E.P. Davis, L.M. Glynn, C.D. Dunkel Schetter, C. Hobel, A. Chicz-Demet, & C.A. Sandman
- 17 CHILDREN'S HEDONIC RESPONSE TO THE ODOR OF BEER: A WINDOW TO THEIR EMOTIONS?
J.A. Mennella & C.A. Forestell
- 18 RELATIONSHIP BETWEEN HAPLOTYPES OF THE TAS2R38 BITTER TASTE RECEPTOR GENE AND TASTE PERCEPTION IN CHILDREN, ADOLESCENTS AND ADULTS
J.A. Mennella, M.Y. Pepino, F. Duke, R. Anderson N'Diaye, & D.R. Reed
- 19 CORTISOL CONCENTRATIONS IN RHESUS MONKEY MILK: RELATIONSHIP TO CORTISOL CONCENTRATIONS IN PLASMA AND OFFSPRING SEX
E.C. Sullivan, K. Hinde, J.P. Capitanio, & S.P. Mendoza
- 20 A QUANTITATIVE ANALYSIS OF CHOICE IN THE QUAIL NEONATE: EXPLORING THE ORIGINS OF SENSITIVITY TO CONSEQUENCES
S.M. Schneider & R. Lickliter
- 21 AUDIOVISUAL TEMPORAL SYNCHRONY FACILITATES PRENATAL PERCEPTUAL LEARNING IN BOBWHITE QUAIL EMBRYOS – **NIH Travel Awardee**
M. Jaime, L. Bahrack, & R. Lickliter
- 22 BOBWHITE QUAIL NEONATES TRACK HUMAN EYE GAZE TO DIRECT THEIR AVOIDANCE BEHAVIOR – **NIH Travel Awardee**
J.P. Lopez, M. Jaime, & R. Lickliter
- 23 MODIFIED HEART RATE INTERFERES WITH PERCEPTUAL LEARNING IN BOBWHITE QUAIL EMBRYOS – **NIH Travel Awardee**
B. Pham-Escobar, J. Vaillant, & R. Lickliter
- 24 INTENSITY AND TYPE OF PRENATAL AUDITORY STIMULATION ALTERS POSTNATAL PERCEPTUAL PREFERENCE AND BEHAVIOR IN BOBWHITE QUAIL (*COLINUS VIRGINIANUS*)
R.D. Foushee & L. Meeks-Burgoon
- 25 ISOLATION AND REUNION RESPONSES IN 15-DAY-OLD PIGLETS
V. Colonnello, P. Iacobucci, & R.C. Newberry
- 26 A QUALITATIVE ANALYSIS OF ULTRASOUND VOCALIZATIONS EMITTED BY 12-D-OLD RATS DURING HOMING TEST
P. Iacobucci, V. Colonnello, G. Pavan, & L. Ricceri
- 27 EFFECTS OF PAIR HOUSING AFTER A SOCIAL DEFEAT ON ELEVATED PLUS-MAZE BEHAVIORS IN RATS
T. Nakayasu & K. Ishii
- 28 PRETEST MANIPULATIONS IMPACT ELEVATED PLUS-MAZE BEHAVIOR DIFFERENTIALLY ACROSS AGE IN ADOLESCENT AND ADULT RATS – **NIH Travel Awardee**
T.L. Doremus-Fitzwater, E.I. Varlinskaya, & L.P. Spear
- 29 OPERANT LEARNING IN THE NEWBORN RAT: PERSISTENCE OF RESPONDING – **NIH Travel Awardee**
K.A. Bordner, J.C. Molina, & N.E. Spear
- 30 OBJECT EXPLORATION IN THE DEVELOPING RAT: METHODOLOGICAL CONSIDERATIONS
C.J. Heyser & J.S. Ferris
- 31 PREWEANLING RATS SOLVE THE MORRIS WATER TASK VIA DIRECTIONAL NAVIGATION – **NIH Travel Awardee**
K.G. Akers, F.T. Candelaria, & D.A. Hamilton
- 32 COMPARISON OF QUALITATIVE AND QUANTITATIVE BEHAVIORAL ASSESSMENTS IN FETAL MICE THROUGH BOTH DIRECT AND ULTRASOUND OBSERVATIONAL TECHNIQUES – **NIH Travel Awardee**
G.A. Kleven & A.E. Ronca
- 33 BEHAVIOURAL ANALYSIS OF THE COLOBOMA MOUSE: DISSOCIATION OF SENSORY, MOTOR AND COGNITIVE IMPAIRMENTS
R.E. Brown, R. Gunn, & M.-E. Keenan
- 34 DISSOCIATING THE EFFECTS OF NEONATAL NOVELTY EXPOSURE AND MATERNAL STRESS RESPONSE ON ADULT OFFSPRING SPATIAL MEMORY
A.C. Tang, Z. Yang, A.M. Korzekwa, B. Reeb, R. Romeo, & B. McEwen

- 35 PREFERENCE OF FATHER TO NON-FATHER IN NEWBORN MICE
N. Kodama, A. Yamamoto, & Y. Niwa
- 36 DO MOTHER-OFFSPRING SEPARATIONS AFFECT MATERNAL BEHAVIOR? A TRAJECTORY ANALYSIS
A.N. Tyler & G.F. Michel
- 37 SLEEP REGULATION IN NEONATAL RATS: A REEXAMINATION
W.D. Todd & M.S. Blumberg
- 38 EARLY SIBLING COMPETITION AND DOMINANCE IN ADULT RABBITS – **NIH Travel Awardee**
L. Arteaga, M. Herrera-López, A. Bautista, M. Martínez-Gómez, & R. Hudson
- 39 NEWBORN RABBITS COMPETE FOR THERMALLY ADVANTAGEOUS POSITIONS IN THE LITTER HUDDLE – **NIH Travel Awardee**
A. Bautista, V. Reyes, E. García-Torres, M. Martínez-Gómez, & R. Hudson
- 40 GENDER SPECIFIC PROGRAMMING OF CHRONIC PRENATAL STRESS ON ADULT BODY WEIGHT REGULATION, HPA ACTIVITY AND BEHAVIOR
L.A. Baer, J.M. Zeeman, C.E. Wade, & A.E. Ronca
- 41 GENDER DIFFERENCES IN ANTI-OBESITY PROGRAMMING ACHIEVED BY EARLY INTERVENTIONS IN OLETF RATS – **NIH Travel Awardee**
M. Schroeder, L. Shbiro, V. Gelber, T.H. Moran, & A. Weller
- 42 MATERNAL INFLUENCE ON EARLY OBESITY DEVELOPMENT IN THE OLETF RAT
A. Weller, M. Schroeder, & T.H. Moran
- 43 BETWEEN-SIBLING AND BETWEEN-FAMILY DIFFERENCE IN BODY WEIGHT: THE ROLE OF NEONATAL NOVELTY EXPOSURE AND MATERNAL STRESS RESPONSE – **NIH Travel Awardee**
Z. Yang, B. Reeb, & A.C. Tang
- 44 AGE-ASSOCIATED TRAJECTORIES OF CONSUMPTION AND BODY WEIGHT GAIN IN PAIR- AND ISOLATE-HOUSED ADOLESCENT AND ADULT SPRAGUE-DAWLEY RATS – **NIH Travel Awardee**
C.S. Vetter & L.P. Spear
- 45 CAREGIVER RESPONSES TO PRELINGUISTIC VOCALIZATIONS METERED BY INFANTS' ATTENTIONAL FOCUS
J. Gros-Louis

FRIDAY, NOVEMBER 2

8:00 – 8:30 CONTINENTAL BREAKFAST AND COFFEE

8:30 – 10:30 **NEURODEVELOPMENTAL CONSEQUENCES OF EARLY LIFE STRESS**

Chair: William Shoemaker

8:30 RECURRENT BARRAGES OF MATERNAL CARE PROGRAM A LOWER EXPRESSION OF CORTICOTROPHIN RELEASING HORMONE IN THE PUP HYPOTHALAMUS: HOW?

Tallie Baram, UC Irvine

9:00 PRENATAL EXPOSURE TO MATERNAL STRESS HORMONES INFLUENCES HUMAN INFANT DEVELOPMENT

Elysia Poggi Davis, UC Irvine

9:30 CORTISOL IN BREAST MILK: POSSIBLE INFLUENCES ON INFANT DEVELOPMENT

Laura Glynn, UC Irvine

10:00 LONG-TERM EFFECTS OF PRENATAL PSYCHOSOCIAL STRESS EXPOSURE ON NEUROENDOCRINE, IMMUNE AND METABOLIC FUNCTION IN HUMAN ADULTS

Pathik Wadhwa, UC Irvine

10:30 – 10:45 **MORNING BREAK**

10:45 – 12:00

JOHN WILEY AWARDS

Wiley Best Student Paper

Announced by: Michael Hennessy

Winner: Mariana Schroeder

Diurnal and nocturnal nursing behavior in the OLETF rat. *Developmental Psychobiology* **49**: 323-333, 2007. With Yael Lavi-Avnon, Michal Dagan, Orna Zagoory-Sharon, Aron Weller, and Timothy H. Moran.

JOHN WILEY DISTINGUISHED SPEAKER

STRESS OVER THE LIFESPAN: CENTRAL ROLE OF THE BRAIN

Chair: Gig Levine

Wiley Representative: Joe Ingram

Bruce McEwen

Harold and Margaret Milliken Hatch Laboratory of Neuroendocrinology, The Rockefeller University

12:00 – 1:30 LUNCH

12:00 – 1:30 **INTERNATIONAL PERINATAL BRAIN AND BEHAVIOR NETWORK: WORKSHOP ON DETECTION DURING THE PERINATAL PERIOD OF PRENATAL EXPOSURE TO PSYCHOACTIVE SUBSTANCES**

ALL INVITED

- 16 ONTOGENETIC CHANGES IN UNLEARNED FEAR RESPONSE AND FEAR LEARNING TO PREDATOR ODOR CUES – **NIH Travel Awardee**
P.A. Kabitzke & C.P. Wiedenmayer
- 17 PREPULSE INHIBITION OF THE ACOUSTIC STARTLE RESPONSE IS ALTERED BY PERINATAL ANOXIA WHEN MEASURED IN PERIADOLESCENT BUT NOT ADULT RATS – **NIH Travel Awardee**
M. Wall & A. Gratton
- 18 PRENATAL IV NICOTINE EXPOSURE: SEX-DEPENDENT ALTERATIONS IN SENSORY GATING AS EVIDENCED BY PREPULSE INHIBITION OF THE ACOUSTIC STARTLE RESPONSE – **NIH Travel Awardee**
S. Fitting, L.L. Hord, K. Webb, R.M. Booze, C.F. Mactutus, & S.B. Harrod
- 19 ONTOGENETIC NEUROBEHAVIORAL COMPARISON OF THE ODOR PREFERENCE AND AVERSION LEARNING IN RAT PUPS – **NIH Travel Awardee**
C. Raineki, K. Shionoya, K. Sander, & R.M. Sullivan
- 20 MATERNAL SEPARATION EFFECTS ON ADAPTIVE FEAR RESPONSES, STRESSOR-INDUCED CORTICOSTERONE SECRETION, AND RELATED GENE EXPRESSION IN THE HIPPOCAMPUS – **NIH Travel Awardee**
Y. Litvin, P. Tovote, N.S. Pentkowski, J. Spiess, D.C. Blanchard, & R.J. Blanchard
- 21 MUSCARINIC AND NICOTINIC INVOLVEMENT IN ACQUISITION AND CONSOLIDATION OF TRACE AND DELAY FEAR CONDITIONING IN ADOLESCENT RATS – **NIH Travel Awardee**
M.E. Levillain, P.E. Crew, L.A. Kostelnik, & P.S. Hunt
- 22 THE EFFECT OF THE NMDA RECEPTOR ANTAGONIST MK-801 ON THE ACQUISITION AND EXTINCTION OF LEARNED FEAR IN THE DEVELOPING RAT – **NIH Travel Awardee**
J.M. Langton, J.H. Kim, J. Nicholas, & R. Richardson
- 23 TO FEAR OR NOT TO FEAR: ERASURE AS A POTENTIAL MECHANISM FOR EXTINCTION IN THE DEVELOPING RAT – **Sandra G. Wiener Award**
J.H. Kim & R. Richardson
- 24 CONCURRENT NEONATAL ACTIVATION OF THE AMYGDALA-FEAR CIRCUIT AND THE ATTACHMENT CIRCUIT DURING INFANCY – **NIH Travel Awardee**
S. Moriceau, K. Shionoya, & R.M. Sullivan
- 25 PREPULSE INHIBITION OF THE ACOUSTIC STARTLE RESPONSE IS ALTERED BY PRENATAL IV COCAINE EXPOSURE
L.L. Hord, S. Fitting, K. Webb, R.M. Booze, B.J. Strupp, & C.F. Mactutus
- 26 EARLY DAM-OFFSPRING SEPARATION AND ITS EFFECTS ON PREPULSE INHIBITION IN C57BL6 – **NIH Travel Awardee**
J.D. Bailoo, A.N. Tyler, & G.F. Michel
- 27 THE MEDIAL AND LATERAL SEPTUM ARE DIFFERENTLY ACTIVATED DURING A TWO-WAY ACTIVE AVOIDANCE TASK
A. Riedel, J. Bock, M. Gruss, & K. Braun
- 28 AGE CONSTRAINTS ON THE ROLE OF CORTICOSTERONE IN THE SWITCH OF INFANT PREFERENCE/AVOIDANCE LEARNING – **NIH Travel Awardee**
K. Upton & R.M. Sullivan
- 29 MATERNAL ATTENUATION OF HYPOTHALAMIC PARAVENTRICULAR NUCLEUS NOREPINEPHRINE SWITCHES AVOIDANCE LEARNING TO PREFERENCE LEARNING IN PREWEANLING RAT PUPS – **NIH Travel Awardee**
K. Shionoya, S. Moriceau, P. Bradstock, & R.M. Sullivan
- 30 BRIEF NEONATAL MATERNAL SEPARATION ALTERS FEAR CONDITIONING, EXTINCTION, AND CORTICOLIMBIC NMDA RECEPTOR EXPRESSION IN ADULT RATS
A.A. Wilber, C.J. Southwood, & C.L. Wellman
- 31 SELF-INJURIOUS BEHAVIOR: IS THERE A LINK BETWEEN PSYCHIATRIC DIAGNOSIS AND SIB?
S. Bazmi, P.E. Touchette, M.R. Lenjavi, A.S. Kemp, & C.A. Sandman
- 32 BASAL BETA-ENDORPHIN LEVELS PREDICT REDUCTION IN TEMPORAL PATTERNS OF SELF-INJURIOUS BEHAVIOR FOLLOWING TREATMENT WITH NALTREXONE
A.S. Kemp, M.R. Lenjavi, S. Bazmi, A. Chicx-DeMet, P.E. Touchette, & C.A. Sandman
- 33 PSYCHOSTIMULANT-INDUCED BEHAVIOR AND DRUG-INDUCED CHANGES IN NUCLEUS ACCUMBENS DOPAMINE IN ADOLESCENT AND ADULT RATS – **NIH Travel Awardee**
K.A. Badanich & C.L. Kirstein
- 34 PRENATAL CHOLINE AVAILABILITY HAS LIFELONG EFFECTS ON MEMORY AND HIPPOCAMPAL PLASTICITY
C.L. Williams, M.J. Glenn, S.J.E. Wong-Goodrich, J.T. Johnson III, T.J. Mellott, & J.K. Blusztajn
- 35 DEVELOPMENT, STATE-DEPENDENCE, AND SOMATOTOPIC ORGANIZATION OF NEOCORTICAL ACTIVITY DURING THE EARLY POSTNATAL PERIOD IN RATS – **NIH Travel Awardee**
A.J. Marcano-Reik, W.D. Todd, A.M.H. Seelke, & M.S. Blumberg
- 36 HPA-AXIS ACTIVITY MEDIATES THE EFFECTS OF NOVELTY EXPOSURE ON THE SUBSEQUENT RESPONSE TO AMPHETAMINE IN PERIADOLESCENT OFFSPRING OF HIGH- AND LOW-LG RATS – **NIH Travel Awardee**
A.J. Pomarenski, M.J. Meaney, & A. Gratton
- 37 METHYLPHENIDATE PARTLY REVERSES INATTENTIVENESS AND BRAIN ACTIVITY: A FUNCTIONAL IMAGING STUDY IN FREELY BEHAVING ANIMALS
A.K. Braun, S. Zehle, & J. Bock
- 38 NEURAL MECHANISMS OF AUDITORY PITCH PROCESSING IN NEWBORNS – **NIH Travel Awardee**
H.T.T. Phan, B.Z. Karmel, & J.M. Gardner

- 39 CUTANEOUS SENSORY AFFERENTS, BUT NOT SPINAL GLUCOCORTICOID RECEPTORS, MAY MEDIATE THE EFFECTS OF EARLY MATERNAL CARE ON DENDRITIC DEVELOPMENT OF MOTONEURONS IN A SEXUALLY DIMORPHIC NEUROMUSCULAR SYSTEM – **Sandra G. Wiener Award**
K.M. Lenz & D.R. Sengelau
- 40 THE EFFECT OF HANDLING ON AUTISTIC-LIKE BEHAVIOR IN RATS EXPOSED TO GESTATIONAL VALPROIC ACID
B. Sanders, E. Rozek, A. Schwager, A. Fink, M. Alexander, C. Willoughby, M. Mudhar, & M. Valdovinos
- 41 EFFECTS OF PREFRONTAL VS. STRIATAL ADMINISTRATION OF MK-801 ON REVERSAL LEARNING IN THE WEANLING RAT – **Sandra G. Wiener Award**
D.J. Watson, J.R. Cohen, & M.E. Stanton
- 42 IN VIVO PROTON (1H) MR SPECTROSCOPY PREDICTS ADULT HYPEREMOTIONALITY IN PERINATALLY ASPHYXIATED NEONATAL RATS
A.E. Ronca, G.A. Kleven, C. Tulbert, G. Winn, T.F. Atwood, & J.-M. Zhu
- 43 PONTINE STIMULATION IS A SUFFICIENT CS FOR EYEBLINK CONDITIONING IN 12-DAY-OLD RATS
M.M. Campolattaro & J.H. Freeman
- 44 INTERLEUKIN-10 REDUCES PASSIVE BEHAVIORS OF ISOLATED GUINEA PIG PUPS
P.A. Schimi-Webb, A. Perkeybile, E. O'Brien, T. Deak, & M.B. Hennessy

8:00 – 10:00

STUDENT SOCIAL FUNCTION

SATURDAY, NOVEMBER 3

8:00 – 8:30

CONTINENTAL BREAKFAST AND COFFEE

8:30 – 9:30

ORAL SESSION 3

Chair: Julien Gross

8:30

PREGNANT WOMEN WALKING THROUGH DOORWAYS – **NIH Travel Awardee**
J.M. Franchak, M. T. Smith, & K.E. Adolph

8:45

THE RENEWAL EFFECT: A DISSOCIATION ON RECOGNITION AND PRIMING TESTS – **NIH Travel Awardee**
K. Cuevas, C. Rovee-Collier, & A.E. Learmonth

9:15

EFFECT OF INFANT FEEDING METHODS ON CHILDHOOD SLEEP-DISORDERED BREATHING
H.E. Montgomery-Downs, V.M. Crabtree, O. Sans Capdevila, & D. Gozal

9:30

VOCAL STRATEGIES IN BROWN-HEADED COWBIRDS (*MOLOTHRUS ATER*) ARE SENSITIVE TO SOCIAL ECOLOGY
J.L. Miller

9:30 – 9:45

BEST POSTER AWARD

Presenter: Gabriela González-Mariscal

9:45 – 10:15

MORNING BREAK

10:15 – 12:15

SACKLER SYMPOSIUM

MATERNAL EFFECTS ON OFFSPRING BEHAVIORAL AND NEUROENDOCRINE DEVELOPMENT

Chair: Harlene Hayne

10:15

TRANSGENERATIONAL IMPACT OF MOTHER-INFANT INTERACTIONS IN RODENTS
Frances Champagne, Columbia University

10:55

THE ROLES OF MATERNAL CARE AND STRESS INOCULATION IN THE DEVELOPMENT OF PRIMATE STRESS RESISTANCE
Karen Parker, Stanford University

11:35

INTERGENERATIONAL TRANSMISSION OF MATERNAL BEHAVIOR IN RHESUS MACAQUES: SOCIAL AND NEUROBIOLOGICAL MECHANISMS
Dario Maestri^{1,2}, J. Dee Higley³, Stephen Lindell³, Timothy Newman³, Kai McCormack², and Mar Sanchez²
¹University of Chicago, ²Emory University, ³National Institute on Alcohol Abuse and Alcoholism

12:15 – 1:15

BUSINESS MEETING - ALL INVITED

END OF ISDP CONFERENCE

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**INTERNATIONAL SOCIETY FOR DEVELOPMENTAL PSYCHOBIOLOGY
2007 AWARD WINNERS**

Sandra G. Wiener Awards

Name	Advisor	Institution
Jee Hyun Kim	Rick Richardson	University of New South Wales
Kathryn Lenz	Dale R. Sengelaub	Indiana University
Deb Watson	Mark Stanton	University of Delaware

NIH/Wiley Travel Awards

Name	Advisor	Institution	Name	Advisor	Institution
Katherine Akers	Derek A. Hamilton	University of New Mexico	Yoav Litvin	D. Caroline Blanchard	University of Hawaii
Lourdes Arteaga	Robyn Hudson	National University of Mexico	Juan Pablo Lopez	Robert Lickliter	Florida International Univ.
Kim Badanich	Cheryl L. Kirstein	University of South Florida	Amy Jo Marcano-Reik	Mark Blumberg	University of Iowa
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Amando Bautista	Robyn Hudson	National University of Mexico	Stacie Miller	Norman Spear	SUNY - Binghamton
Yocheved Bensinger-Brody	Judith Gardner	NYS Instit. for Basic Res.	Stephanie Moriceau	Regina Sullivan	University of Oklahoma
Kelly Bordner	Norman Spear	SUNY - Binghamton	Mallory Myers	Norman Spear	SUNY - Binghamton
Kevin Brown	Mark Stanton	University of Delaware	Barbara Pham-Escobar	Robert Lickliter	Florida International Univ.
Kimberly Cuevas	Carolyn Rovee-Collier	Rutgers University	Ha T.T. Phan	Bernard Z. Karmel	NYS Instit. for Basic Res.
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Ben Lewis	Susan Barrow	University of Kentucky	Elizabeth Zack	Rachel Barr	Georgetown University

Wednesday - 10/31		Thursday – 11/1		Friday – 11/2		Saturday – 11/3	
		7:00 - 8.25	Wiley Editorial Breakfast				
		8:00 – 8.30	Continental Breakfast and Coffee	8:00 – 8.30	Continental Breakfast and Coffee	8:00 – 8.30	Continental Breakfast and Coffee
		8.30 – 10.30	Symposium Emergence of Smart Behavior Karen Adolph Scott Johnson Jeffrey Lockman Michael Goldstein	8:30 – 10:30	Symposium Neurodevelopmental Consequences of Early Life Stress Tallie Baram Elysia Poggi Davis Laura Glynn Pathik Wadhwa	8:30 - 9:30	Oral Session 3 4 talks
						9:30 – 9:45	Best Poster Award
						9:45 – 10.15	Morning Break
						10:15 - 12:15	Sackler Symposium Maternal Effects on Offspring Behavior and Neuroendocrine Development Frances Champagne Karen Parker Dario Maestriperieri et al.
		10:30 – 11:00	Morning Break	10:30 – 10:45 10:45 – 12:00	Morning Break		
		11:00 – 12.30	Oral Session 1 6 talks		John Wiley Awards Wiley Best Student Paper Mariana Schroeder John Wiley Distinguished Speaker Bruce McEwen		
		12:30 – 2:00	Lunch Board Meeting with Past Presidents	12:00 – 1:30	Lunch International Perinatal Brain and Behavior Network Workshop ALL INVITED	12:15 – 1:15	BUSINESS MEETING – ALL INVITED END OF ISDP CONFERENCE
		2:00 – 3.20	Dissertation Award Vivian Hsu Kucharski Young Investigator Michael Goldstein Senior Investigator Jay Rosenblatt (2006) Carolyn Rovee-Collier (2007) Sandra G. Weiner Awards Deb Watson, Kathryn Lenz, Jee Hyun Kim	1:30 – 2:30	PRESIDENTIAL ADDRESS The Neurobiology of Infant Attachment Regina Sullivan		
		3:20 – 3:45	Afternoon Break	2:30 – 3:00	Psychobiology, Neurobiology, and Psychopathology Thomas Insel		
		3:45 – 5:15	Oral Session 2 6 talks	3:00 – 3:20	Afternoon Break		
				3:20 – 5:20	NICHD Symposium Epigenetics and Development Jay Gingrich Elizabeth Hammock Sonya Sobrian		
4:30 – 7:30	REGISTRATION Contiki Foyer	5:30 – 7:30	Poster Session 1 (Cash Bar) Aviary Ballroom	5:30 – 7:30	Poster Session 2 (Cash Bar) Aviary Ballroom		
7:30 – 10:00	Past Presidents Symposium Michael Hennessy, Judy Stern Welcome Reception			8:00-10:00	Student Social Function		

