



**41ST ANNUAL MEETING
CONFERENCE PROGRAM**

NOVEMBER 12 – 15, 2008

THE WESTIN WASHINGTON DC

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12:00	PRENATAL STRESS AFFECTS DENDRITIC AND SYNAPTIC DEVELOPMENT IN THE HIPPOCAMPUS AND AMYGDALA IN A SEX-SPECIFIC MANNER AND CAN PARTLY BE REVERSED BY HANDLING K. Braun, M.S. Murmu, M. Weinstock, & J. Bock	4:00 – 5:30	AWARDS SYMPOSIUM Chair: Regina Sullivan
12:15	TOWARDS AN ANIMAL MODEL OF CHILDHOOD-ONSET OBESITY: FOLLOW-UP OF OLETF RATS DURING PREGNANCY AND LACTATION A. Weller, M. Schroeder, L. Shbiro, O. Zagoory-Sharon, & T.H. Moran	4:00	DISSERTATION AWARDS Katherine C. Morasch, Virginia Polytechnic Institute and State University Advisor: Martha A. Bell FRONTAL AND TEMPORAL EEG AND DECLARATIVE MEMORY IN 10-MONTH-OLDS
12:30 – 2:00	LUNCH	4:20	Adele M.H. Seelke, University of Iowa Advisor: Mark S. Blumberg THE DEVELOPMENTAL EMERGENCE OF STATE-DEPENDENT NEOCORTICAL ACTIVITY IN INFANT RATS
12:30 – 2:00	BOARD MEETING WITH PAST PRESIDENTS	4:40	SENIOR INVESTIGATOR 2008 Byron Campbell, Princeton University
2:00 – 3:30	ORAL SESSION 2 Chair: Pam Hunt	4:50	SERVICE TO THE SOCIETY AWARDS Victor H. Denenberg, University of Washington Seymour “Gig” Levine, University of California, Davis
2:00	PROLONGED EXPOSURE TO CORTICOSTERONE DURING GESTATION AND/OR POSTPARTUM CAUSE CHANGES IN MATERNAL CARE AND MOOD AND ALTERS THE OUTCOME OF THE OFFSPRING – Travel Awardee S. Brummelte, C.A. Winstanley, & L.A.M. Galea		
2:15	PATERNAL CARE IS ESSENTIAL FOR THE DEVELOPMENT OF DENDRITES AND DENDRITIC SPINES IN THE ORBITOFRONTAL CORTEX AND LATERAL AMYGDALA C. Helmeke, K. Seidel, T.W. Bredy, A. Abraham, & K. Braun		SANDRA G. WIENER AWARDS
2:30	TWO SOURCES OF MATERNAL MODULATIONS: MOTHER’S STRESS HORMONE VERSUS MOTHER’S BEHAVIOR A.C. Tang, Z. Yang, R.D. Romeo, A. Rosa, A. Plakio, A. Gonzales, & B.S. McEwen	5:00	Iva Mathews, Brock University AGE DIFFERENCES IN LOCOMOTOR RESPONSE TO ACUTE AMPHETAMINE ARE NOT DUE TO GONADAL STATUS IN FEMALES
2:45	MATERNAL BEHAVIOR AND ALCOHOL PREFERENCE; WHICH COMES FIRST? K.E. Hood & M.A. Colby	5:15	Jennifer L. Miller, Cornell University SINGING TO LEARN: EARLY SOCIAL ECOLOGY PREDICTS SECOND YEAR SONG DEVELOPMENT IN BROWN-HEADED COWBIRDS
3:00	MATERNAL CARE EFFECTS ON MALE COPULATORY BEHAVIOR AND SNB MOTONEURONS: THE ROLE OF SENSORY AFFERENT ACTIVITY – Travel Awardee K.M. Lenz & D.R. Sengelaub	5:40 – 7:30	POSTER SESSION 1 (CASH BAR): MONTECITO ROOM
3:15	BIOBHAVIORAL ASSESSMENT OF JUVENILE AND 8-WEEK-OLD GENETICALLY ALTERED MICE USING MR SPECTROSCOPY QUANTIFICATION OF NEURAL METABOLITES AND BEHAVIORAL TESTING G.A. Kleven, J. Olson, & A.E. Ronca	1	PATTERNS OF MOVEMENT AND ELECTROGRAPHIC ACTIVITY IN PREMATURE HUMANS K.Æ. Karlsson, H.M. Reynisson, L.Y. Sigurðardóttir, H. Þorsteinsson, & A. Dagbjartsson
3:30 – 4:00	AFTERNOON BREAK	2	VARIATION IN CARE PRACTICE AND DISCHARGE TIMING IN PRETERM INFANTS C. Krueger, S.-H. Chiu, J. Cimino, C. Cook, & L. Parker

- 3 MATURATION OF VOICE PROCESSING IN FETUSES AND NEWBORNS CLASSIFIED BY BIRTH WEIGHT
B.S. Kisilevsky, S.M.J. Hains, & G.A.L. Davies
- 4 NEURODEVELOPMENT OF THE PRENATAL OPIATE DEPENDENT HUMAN NEONATE: AUDITORY RECOGNITION MEMORY AND SLEEP, AROUSAL AND MOVEMENTS DURING WITHDRAWAL - **Travel Awardee**
M.J. Hayes, J.A. Paul, R. Krishnan, M. Troese, M. Fukumizu, M. Brown, P. Tisher, B.A. Matano, & J. Pelletier
- 5 VARIATIONS IN DETECTION OF THE CARDIAC ORIENTING RESPONSE
S. Oh, R. Visweswaran, L. Keller, C. Krueger, & G. Sizemore
- 6 EXAMINING THE ROLE OF AMODAL CUES (SHAPE AND SIZE) AND THEIR CONTRIBUTION TO FACILITATED OPERANT LEARNING IN THREE-MONTH-OLD INFANTS
K.S. Kraebel
- 7 EXTINCTION AND NONCONTINGENT REINFORCEMENT AT 3 MONTHS OF AGE
C.K. Shafer, V. Porterfield, M. Kuhn-McKearin, & C. Rovee-Collier
- 8 THE DEVELOPMENT OF BASIC INDICES OF ATTENTION TO BIMODAL AND UNIMODAL SOCIAL EVENTS ACROSS INFANCY
L.E. Bahrack, B.M. Sorondo, I. Castellanos, J.T. Todd, M. Argumosa, & M. Vaillant-Molina
- 9 EDUCATING INFANTS' ATTENTION TO THE PROSODY OF SPEECH: THE ROLE OF INTERSENSORY REDUNDANCY
I. Castellanos & L.E. Bahrack
- 10 FACILITATION OR INTERFERENCE BY INTERPOLATED CUES AND CONTEXTS AT 6 MONTHS?
B.E. Zjawn, J.M. Cressen, V.C. Hsu, & C. Rovee-Collier
- 11 RETROACTIVE INTERFERENCE MEASURES ENCODING SPEED IN MULTIPLE TASKS AT 6 MONTHS
S. Lee, J. Gombert, & C. Rovee-Collier
- 12 LONG-TERM MEMORY FOR ARBITRARY PRECONDITIONED ASSOCIATIONS AT 6 AND 9 MONTHS OF AGE
A. Bullman Giles & C. Rovee-Collier
- 13 WHERE DO YOU LOOK? DETAILED ANALYSES OF INFANTS' ACTION PERCEPTION BY MEANS OF EYE TRACKING
P. Hauf
- 14 DISPARITY IN CATEGORIZATION OF DYNAMIC EMOTIONAL EXPRESSIONS BY 6- AND 10-MONTH-OLD INFANTS
M.J. Spence & E.W. Touchstone
- 15 A MULTILEVEL MODEL COMPARISON OF INFANT PREHENSION HANDEDNESS USING VARYING SAMPLING INTERVALS – **Travel Awardee**
C.L. Ferre, I. Babik, & G.F. Michel
- 16 TELEVISION VIEWING PATTERNS IN 6- TO 18-MONTH-OLDS: THE ROLE OF CAREGIVER SCAFFOLDING AND INTERACTIONAL QUALITY
A. Fidler, E. Zack, D. Nathanson, & R. Barr
- 17 DO LANGUAGE CUES FACILITATE CROSS-DIMENSION TRANSFER IN 15-MONTH-OLDS?
E. Zack, R. Barr, L. Shuck, E. Sperle, K. Dickerson, P. Gerhardstein, & A. Meltzoff
- 18 SIMPLE LANGUAGE CUES FACILITATE EARLY MEMORY FLEXIBILITY
J.S. Herbert
- 19 GENDER DIFFERENCES IN TEMPERAMENT AT 24 MONTHS: INHIBITORY CONTROL, ATTENTION, AND FRONTAL EEG ACTIVATION – **Travel Awardee**
A. Diaz, K.C. Morasch, & M.A. Bell
- 20 PREDICTION OF WORKING MEMORY AND INHIBITORY CONTROL PERFORMANCE IN 24-MONTH-OLD CHILDREN – **Travel Awardee**
V. Raj, K.C. Morasch, & M.A. Bell
- 21 WORKING MEMORY CORRELATIONS FROM INFANCY TO TODDLERHOOD AND EARLY CHILDHOOD – **Travel Awardee**
E. Polejaeva, K.C. Morasch, & M.A. Bell
- 22 CORRELATES OF TODDLER PERFORMANCE ON A STROOP-LIKE INHIBITORY CONTROL TASK
M.A. Bell & K.C. Morasch
- 23 SLEEP FRAGMENTATION, CORTISOL LEVELS AND NEGATIVE EMOTIONALITY IN TODDLERS
A. Scher, W. Hall, A. Zaidman-Zait, & J. Weinberg
- 24 NOCTURNAL TOOTH GRINDING AND WITHDRAWN BEHAVIOR AMONG PRESCHOOLERS – **Travel Awardee**
S.P. Insana, D. Gozal, D.W. McNeil, & H.E. Montgomery-Downs
- 25 SEROTONIN TRANSPORTER PROMOTER GENOTYPE (SLC6A4) MODIFIES IMPACT OF ANTENATAL ANXIETY ON CHILD EMOTIONAL PROBLEMS AT 3 YEARS OF AGE, CONTROLLING FOR PRENATAL SELECTIVE SEROTONIN REUPTAKE INHIBITOR (SSRI) ANTIDEPRESSANT EXPOSURE
T.F. Oberlander, M. Papsdorf, R. Grunau, S. Misri, & C.J.D. Ross
- 26 METHODOLOGICAL ISSUES IN FLAVOR PREFERENCE CONDITIONING IN CHILDREN
C.A. Forestell, M.E. Levillain, K.M. Reardon, & A.M. Spaeth
- 27 THE BENEFITS OF DRINKING SUPPLEMENTARY WATER AT SCHOOL ON COGNITIVE PERFORMANCE IN CHILDREN
R. Fadda, G. Rapinett, D. Grathwohl, M. Parisi, R. Fanari, & J. Schmitt
- 28 SEXUAL ABUSE AND PHYSIOLOGICAL DEVELOPMENT IN MALES: PATTERNS OF EPIGENETIC INFLUENCES ON PHYSIOLOGICAL DEVELOPMENT
N.S. Porter & J.A. Herrington

- 29 RISKY BUSINESS: INDIVIDUAL DIFFERENCES IN BRAIN AND BEHAVIOUR DURING ADOLESCENCE – **Travel Awardee**
J. Gross, C. Sim, & H. Hayne
- 30 OXYTOCIN AND CORTISOL IN ROMANTICALLY UNATTACHED YOUNG ADULTS – **Travel Awardee**
I. Gordon, O. Zagoory-Sharon, I. Schneiderman, J.F. Leckman, A. Weller, & R. Feldman
- 31 RELATIONSHIPS AMONG TEMPERAMENT DIMENSIONS OF ADOLESCENTS BORN PREMATURELY AND DIMENSIONS OF MATERNAL TEMPERAMENT
A.D. Clements, K.L. Lingerfelt, & W.E. Dixon, Jr.
- 32 TIMING OF EXPERIENCE DIFFERENTIALLY MODIFIES MALLEABILITY OF SPECIES-SPECIFIC AUDITORY PREFERENCES IN BOBWHITE QUAIL CHICKS – **Travel Awardee**
R. Rubi & R. Lickliter
- 33 DETECTION OF MODALITY-SPECIFIC PROPERTIES IN UNIMODAL AND BIMODAL EVENTS
J. Vaillant, L. Bahrick, & R. Lickliter
- 34 PRENATAL EXPERIENCE, STIMULUS CONTINGENCY, AND THE MALLEABILITY OF SPECIES-SPECIFIC AUDITORY PREFERENCES
R. Lickliter & C. Harshaw
- 35 EMERGENCE OF GAZE FOLLOWING BEHAVIOR IN BOBWHITE QUAIL NEONATES
M. Jaime, J.P. Lopez, & R. Lickliter
- 36 A “TEMPORAL BLINDSPOT” FOR CONTINGENCY LEARNING IN BOBWHITE QUAIL CHICKS – **Travel Awardee**
C. Harshaw & R. Lickliter
- 37 INTERSENSORY REDUNDANCY PROMOTES AUDITORY LEARNING IN MOUSE PUPS
H.G. Honeycutt
- 38 T-MAZE ACQUISITION IN NORMAL PERI-ADOLESCENT SUFFOLK LAMBS
T.B. Johnson, M.E. Stanton, C.R. Goodlett, & T.A. Cudd
- 39 A SECOND, DAILY MATERNAL SEPARATION EVOKES A SEPARATION-SPECIFIC RISE IN CORE TEMPERATURE AND SENSITIZED BEHAVIORAL RESPONSE IN GUINEA PIG PUPS
M.B. Hennessy, T. Deak, P.A. Schiml-Webb, C. Cohen, & E.O. Brien
- 40 DIFFERENTIAL IMPACT OF MATERNAL SEPARATION IN MALE AND FEMALE PRE-PUBERTAL RATS AND THEIR MOTHERS IN THE WKY RAT MODEL OF DEPRESSION – **Travel Awardee**
T. Asaf, L. Shbiro, M. Schroeder, & A. Weller
- 41 EFFECT OF DAM PRESENCE ON RETENTION OF OLFACTORY LEARNING SOON AFTER BIRTH
S.M. Zawadzka, S.S. Miller, & N.E. Spear

- 42 APOPTOTIC CELL DEATH ASSOCIATED WITH WITHDRAWAL FROM A SINGLE BINGE ETHANOL EXPOSURE ON POSTNATAL DAY 6
K.M. Clements, L.M. Smith, J.D. Thomas, S. Shadanbaz, P. Shoemack, & R.M. Napper

FRIDAY, NOVEMBER 14

- 8:00 – 8:30** **CONTINENTAL BREAKFAST AND COFFEE/TEA**
- 8:30 – 10:15** **ORAL SESSION 3**
Chair: Julien Gross
- 8:30 THE ROLE OF LOCOMOTION IN THE SOCIAL FACILITATION OF VOCAL DEVELOPMENT – **Travel Awardee**
S. Syal & M.H. Goldstein
- 8:45 MATERNAL SENSITIVITY AND THE LEARNING-PROMOTING EFFECTS OF MATERNAL INFANT-DIRECTED SPEECH
P.S. Kaplan, C.M. Danko, & A. Diaz
- 9:00 LATE ADOLESCENTS’ PSYCHOSTIMULANT USE AND SLEEP – **Travel Awardee**
M. Clegg-Kraynok & H. Montgomery-Downs
- 9:15 PHYSIOLOGICAL RESPONSE TO AUDITORY NOVELTY DIFFERENTIATES BETWEEN BEHAVIORALLY INHIBITED ADOLESCENTS WITH AND WITHOUT A LIFETIME OCCURRENCE OF ANXIETY DISORDERS
B.C. Reeb, R.E. Vanderwert, K. Perez-Edgar, H.A. Henderson, D.S. Pine, & N.A. Fox
- 9:30 EPISODIC MEMORY AND AUTONOETIC CONSCIOUSNESS IN CHILDREN, ADOLESCENTS, AND ADULTS – **Travel Awardee**
K. Tustin & H. Hayne
- 9:45 NAVIGATION FROM THE CORNER OF THE EYE: VISUAL GUIDANCE OF LOCOMOTION IN CHILDREN – **Travel Awardee**
J.M. Franchak, K.E. Adolph, D. Badaly, & J.S. Babcock
- 10:00 DEVELOPMENTAL SHIFTS IN SENSORY PRECONDITIONING: LOOKING TIME, VERBAL AND MOTOR SKILLS, AND NUMBER OF TRIALS
K. Cuevas, A. Bullman, & C. Rovee-Collier
- 10:15 – 10:45** **MORNING BREAK**

10:45 – 12:00

JOHN WILEY AWARDS

Wiley Best Student Paper

Announced by: Michael Hennessy

Winner: Christopher Harshaw

Stimulus Contingency and the Malleability of Species-Typical Auditory Preferences in Northern Bobwhite (*Colinus virginianus*) Hatchlings. *Developmental Psychobiology*, 50,460–472. 2008. With Isaac P. Tourgeman & Robert Lickliter.

JOHN WILEY DISTINGUISHED SPEAKER

Chair: Mark Blumberg

Wiley Representative: Joe Ingram

NEONATAL IMITATION IN RHESUS MONKEYS

Stephen Suomi

Laboratory of Comparative Ethology,
National Institute of Child Health
and Human Development

12:00 – 1:45

LUNCH

12:00 – 1:45

MEET THE PROFESSORS LUNCH

1:45 – 3:45

ORAL SESSION 4

Chair: Jane Herbert

1:45

OLFACTORY GUIDANCE OF NIPPLE ATTACHMENT AND SUCKLING IN KITTENS: INBORN AND LEARNED RESPONSES
R. Hudson, G. Raihani, D. González, L. Arteaga, & H. Distel

2:00

REINSTATEMENT OF COCAINE PLACE CONDITIONING IN DEVELOPING RATS AND THE INVOLVEMENT OF DOPAMINE D2 RECEPTORS IN THE MESOLIMBIC PATHWAY: DIFFERENCES BETWEEN HIGH AND LOW RESPONDERS FOR COCAINE REWARD
K.A. Badanich & C.L. Kirstein

2:15

THE DEVELOPMENT OF CIRCADIAN SLEEP-WAKE RHYTHMS IN INTACT AND ENUCLEATED NORWAY RATS – **Travel Awardee**
A.J. Gall, W.D. Todd, B. Ray, C.M. Coleman, & M.S. Blumberg

2:30

MATERNAL CARE MODULATES RELEASE OF OXYTOCIN IN OFFSPRING AND THE ACQUISITION OF THEIR ODOR-GUIDED SOCIAL HUDDLING PREFERENCE IN RATS – **Travel Awardee**
S. Kojima & J.R. Alberts

2:45

SLEEP-DISORDERED BREATHING SYMPTOM PREVALENCE AND GROWTH AMONG PREMATURELY BORN INFANTS
H. Montgomery-Downs, M. Ross, S. Ritchie, M. Polak, & S. Lynch

3:00

INFANT HABITUATION: THE COUPLING OF MOVEMENT AND ATTENTION
S.S. Robertson

3:15

DEVELOPMENTAL CHANGES IN PRELINGUISTIC VOCAL LEARNING
M.H. Goldstein, L. Vollmer, & J.A. Schwade

3:30

POSTURE CHANGES INFANTS' VISUAL-MANUAL EXPLORATION OF OBJECT PROPERTIES – **Travel Awardee**
K.C. Soska & K.E. Adolph

3:45 – 4:15

AFTERNOON BREAK

4:15 – 5:15

PRESIDENTIAL ADDRESS

Chair: Gordon Barr

DEVELOPING CREATIONS AND CREATING DEVELOPMENT: TOWARD A DEVELOPMENTAL PSYCHOBIOLOGY OF "MONSTERS"

Mark Blumberg

University of Iowa

5:30 – 7:30

POSTER SESSION 2 (CASH BAR): MONTECITO ROOM

1

ISOLATION STRESS AND ETHANOL-INDUCED CONDITIONED TASTE AVERSION IN ADOLESCENT AND ADULT MALE RATS – **Travel Awardee**
R.I. Anderson, E.I. Varlinskaya, & L.P. Spear

2

MODERATE MATERNAL IRON INADEQUACY WORSENS NEUROBEHAVIORAL OUTCOMES IN DEVELOPMENTAL ETHANOL EXPOSURE
E.S. Rufer, D.M. Bryan, T.D. Tran, & S.M. Smith

- 3 BASELINE LOCOMOTOR ACTIVITY AND PRENATAL ETHANOL PREDICT ETHANOL INTAKE IN PREWEANLING HETEROGENEOUS RATS – **Travel Awardee**
S.S. Miller, C.A. Arias, & N.E. Spear
- 4 IS PROGESTERONE OR ALLOPREGNANOLONE PROTECTIVE AGAINST DENDRITIC ABNORMALITIES IN THE PREFRONTAL CORTEX INDUCED BY ETHANOL EXPOSURE DURING DEVELOPMENT?
A.R. Martinez, C.L. Yates, R.C. Lawrence, S.J. Kelly, & B. Zimmerberg
- 5 OLFACTORY ASSOCIATION LEARNING AND BRAIN-DERIVED NEUROTROPHIC FACTOR IN AN ANIMAL MODEL OF EARLY DEPRIVATION
B. Zimmerberg, H.E. Foote, L.M. Moore, A.R. Martinez, & T.A. Van Kempen
- 6 SEX DIFFERENCES AND DEVELOPMENTAL EFFECTS OF DOPAMINE MANIPULATIONS ON ALLOPARENTING AND ANXIETY IN THE MONOGAMOUS PRAIRIE VOLE (MICROTUS OCHROGASTER)
C.M. Hostetter, S.L. Harkey, & K.L. Bales
- 7 DEVELOPMENT OF AVOIDANCE BEHAVIOR: ROLE OF THE FUNCTIONAL ACTIVITY OF THE MEDIAL AND LATERAL SEPTUM
A. Riedel, M. Gruss, J. Bock, & K. Braun
- 8 TAIL-FLICK LATENCY OVER THE LIFESPAN OF B6V-LEPOB MICE: LEPTIN REPLACEMENT
H.M. Rodgers & L.M. Wilson
- 9 IS THERE A CRITICAL PERIOD FOR NOVELTY EXPOSURE-INDUCED ENHANCEMENT IN SPATIAL MEMORY? – **Travel Awardee**
Z. Yang, J. Youngblood, & A.C. Tang
- 10 CHRONIC SOCIAL STRESS IN ADOLESCENCE AFFECTS AMPHETAMINE-INDUCED REGULATION OF CORTICOLIMBIC TYROSINE HYDROXYLASE IN ADULT MALES
C.M. McCormick & I.Z. Mathews
- 11 BEHAVIORAL AND NEUROBIOLOGICAL EFFECTS OF FATHER-REARING ON INFANT RAT PUPS – **Travel Awardee**
R.C. Ristuccia & C.P. Wiedenmayer
- 12 NEONATE BEHAVIOR IS RELATED TO MATERNAL BEHAVIOR IN SPRAGUE DAWLEY RATS
C.M. Ragan & S.A. Cavigelli
- 13 PARADOXIAL CONSEQUENCES OF MATERNAL SEPARATION IN C57BL/6 – **Travel Awardee**
J.D. Bailoo, R.L. Jordan, X. Garza, & A.N. Tyler
- 14 PIGLETS CALL FOR MOTHER'S ATTENTION: PIGLET ATTACHMENT VOCAL RESPONSES ARE MODULATED BY PROXIMITY TO THEIR MOTHER
P. Iacobucci, V. Colonnello, & R.C. Newberry
- 15 OXYTOCIN INJECTIONS IN EARLY LIFE REVERSED NEGATIVE BEHAVIORAL EFFECTS OF REPEATED HANDLING AND INCREASED ENDOGENOUS OXYTOCIN
L.L. Sanzenbacher, M. Narayanan, E.M. Boone, K.L. Bales, & C.S. Carter
- 16 MATERNAL EFFECTS IN PUP DEVELOPMENT IN C3H/HESNJ (C3H) AND C3H/HESNJ-CM (COLOBOMA) MICE FROM 2 TO 24 DAYS OF AGE
R.E. Brown & K. Lee
- 17 ADRENOCORTICAL STRESS RESPONSE PROFILE OF ARTIFICIALLY REARED RAT PUPS
A.M. Lomanowska & G.W. Kraemer
- 18 IN VIVO ULTRASONIC IMAGING OF FETAL MOUSE BEHAVIOR: A TRANSLATIONAL APPROACH TO EARLY IDENTIFICATION OF NEURODEVELOPMENTAL DISORDERS
A.E. Ronca & G.A. Kleven
- 19 THE CORPUS CALLOSUM MODULATES SPINDLE-BURST ACTIVITY WITHIN HOMOTOPIC REGIONS OF SOMATOSENSORY CORTEX IN NEWBORN RATS – **Travel Awardee**
A.J. Marcano-Reik & M.S. Blumberg
- 20 AROUSAL HABITUATION IN RESPONSE TO INTERMITTENT HYPOXIA AND ITS REVERSAL: EFFECTS OF AGE AND SEX
R.A. Darnall, S. McWilliams, & R. Schneider
- 21 NEONATAL HYPOXIC-ISCHEMIC BRAIN INJURY IMPACTS EARLY POSTNATAL GROWTH AND METABOLISM IN RATS
J.F. Dominguez, M.A. Carrasco Molnar, T. Dunphy, & J.E. Turman, Jr
- 22 NEONATAL HYPOXIC ISCHEMIC INJURY COMBINED WITH MATERNAL DEPRIVATION ALTERS RAT GROWTH AND NEURODEVELOPMENT
K.A. Burke, C. Agy, D. Tetzl, & J.E. Turman, Jr
- 23 BACTERIAL INFECTION EARLY IN LIFE MARKEDLY INFLUENCES MICROGLIAL ACTIVATION AND NEUROGENESIS IN THE HIPPOCAMPUS AND CORTEX OF RATS
S.D. Bilbo, S.T. Bland, J. Beckley, V. Tsang, J. Bolton, L.R. Watkins, & S.F. Maier
- 24 EARLY-LIFE ADVERSITY AND ITS IMPACT ON DNA
T.L. Roth & J.D. Sweatt
- 25 MATERNAL ANESTHESIA VIA ISOFLURANE, ETHER OR CO₂/O₂ DOES NOT DIFFERENTIALLY AFFECT SPONTANEOUS MOVEMENT OR SENSORY RESPONSIVENESS IN THE FETAL RAT
M.K. Devine & S.R. Robinson

- 26 DEVELOPMENT TRAJECTORIES OF SPONTANEOUS REPETITIVE BEHAVIOR AND BASAL GANGLIA PATHWAY ACTIVATION IN DEER MICE
Y. Tanimura & M. H. Lewis
- 27 EFFECTS OF NEONATAL METHAMPHETAMINE EXPOSURE ON ADOLESCENT METHAMPHETAMINE-INDUCED CONDITIONED PLACE PREFERENCE – **Travel Awardee**
H.N. Musselman & B.S. Neal-Beliveau
- 28 EFFECTS OF STRIATAL ADMINISTRATION OF MK-801 ON SPATIAL DISCRIMINATION AND REVERSAL LEARNING IN THE WEANLING RAT – **Travel Awardee**
D.J. Watson & M.E. Stanton
- 29 FIBROBLAST GROWTH FACTOR-2 FACILITATES CONTEXTUAL FEAR CONDITIONING IN DEVELOPING RATS – **Travel Awardee**
B.M. Graham & R. Richardson
- 30 ONTOGENY OF SINGLE-TRIAL CONTEXTUAL FEAR CONDITIONING IN RATS – **Travel Awardee**
F.L. Schiffino, M.A. Burman, & M.E. Stanton
- 31 ONTOGENY OF PREPULSE INHIBITION OF THE ACOUSTIC STARTLE RESPONSE ACROSS MODALITY
L.L. Hord, R.M. Booze, & C.F. Mactutus
- 32 ONTOGENY OF THE HIPPOCAMPUS ON CONTEXTUAL LEARNING IN RATS – **Travel Awardee**
C. Raineke, M. Bugg, A. Beasley, & R.M. Sullivan
- 33 ADOLESCENT SPRAGUE-DAWLEY RATS SHOW NO SEX DIFFERENCES IN ONE-TRIAL OBJECT RECOGNITION
W.L. Blackmon, J.M. Silvers, C.F. Mactutus, & R.M. Booze
- 34 ALLOPREGNANOLONE CAUSES SELECTIVE IMPAIRMENT OF HIPPOCAMPAL-DEPENDENT EYEBLINK CLASSICAL CONDITIONING IN ADULT RATS – **Travel Awardee**
M.L. Myers & C.R. Goodlett
- 35 DEFICITS IN TRACE FEAR CONDITIONING RESULTING FROM NEONATAL ETHANOL ARE AMELIORATED BY ADOLESCENT EXPOSURE TO NICOTINE – **Travel Awardee**
M.E. Levillain, E. Kang, & P.S. Hunt
- 36 DOSE-RESPONSE EFFECTS OF NEONATAL ALCOHOL EXPOSURE ON DISCRIMINATIVE EYEBLINK CONDITIONING IN WEANLING RATS – **Travel Awardee**
N.J. Murawski, M.A. Burman, K.A. Kelly, & M.E. Stanton
- 37 CONDITIONED PLACE PREFERENCE IN ADULT AND ADOLESCENT RATS EMERGES AFTER A LOW DOSE OF ETHANOL, REGARDLESS OF STRESS EXPOSURE – **Travel Awardee**
M. Morales, E.I. Varlinskaya, & L.P. Spear
- 38 STIMULATION ENHANCES LIMB ACTIVITY AND PROMOTES RAPID MOTOR LEARNING IN THE NEONATAL RAT – **Travel Awardee**
A.L. Einfeldt, V. Mendez-Gallardo, M.C. Schreiber, & S.R. Robinson
- 39 SUBCUTANEOUS CHOLINE ADMINISTERED POSTNATALLY TO YOUNG RATS IMPROVES TRACE BUT NOT DELAY EYEBLINK CONDITIONING
J.A. Moore & D.I. Clafin
- 40 SEX DIFFERENCES IN THE INTERGENERATIONAL TRANSMISSION OF TEMPERAMENT IN RHESUS MONKEYS (MACACA MULATTA) – **Travel Awardee**
E.C. Sullivan & J.P. Capitanio
- 41 GENETIC, TEMPERAMENTAL, AND SOCIAL FACTORS PREDICT MATERNAL BEHAVIOR IN FEMALE RHESUS MACAQUES (MACACA MULATTA)
E.L. Kinnally, E.R. Tarara, G.M. Karere, S.P. Mendoza, W.A. Mason, L.A. Lyons, & J.P. Capitanio
- 42 NEONATAL MATERNAL SEPARATION ALTERS ADULT EYEBLINK CONDITIONING AND GLUCOCORTICOID RECEPTOR EXPRESSION IN POSTERIOR INTERPOSITUS INTERNEURONS – **Travel Awardee**
A.A. Wilber & C.L. Wellman
- 43 ROLE OF THE IMMUNE SYSTEM IN NOCICEPTION DURING EARLY DEVELOPMENT – **Travel Awardee**
D. Hunter, N. Rahman, J. Cheng, S. Wang, & G.A. Barr
-
- SATURDAY, NOVEMBER 15**
- 8:00 – 8:30** CONTINENTAL BREAKFAST AND COFFEE/TEA
- 8:30 – 10:30** **SEROTONIN, SRIs AND FETAL NEUROBEHAVIOR: TRANSLATIONAL IMPLICATIONS IN DEVELOPMENTAL PSYCHOBIOLOGY**
Chair: Amy Salisbury
- 8:30 SEROTONIN AND THE REGULATION OF PERINATAL BEHAVIOR
Michele R. Brumley, Idaho State University
- 9:00 FETAL ANTECEDENTS TO ADVERSE NEONATAL OUTCOMES AFTER PRENATAL EXPOSURE TO SEROTONIN REUPTAKE INHIBITORS
Tim Oberlander, University of British Columbia

9:30 FETAL MOVEMENT QUALITY DURING EXPOSURE TO SEROTONIN
REUPTAKE INHIBITOR MEDICATIONS
Amy L. Salisbury, Brown University/Women & Infants
Hospital

10:00 TRANSLATIONAL RESEARCH IN DEVELOPMENTAL PSYCHOBIOLOGY:
CONCEPTUAL AND METHODOLOGICAL APPROACHES DERIVED
FROM STUDIES OF PRENATAL EXPOSURES AND OBSTETRIC
COMPLICATIONS
April E. Ronca, Wake Forest University School of Medicine

10:30 – 11:00 MORNING BREAK

11:00 – 12:00 ORAL SESSION 5

Chair: Rachel Barr

11:00 FIGHTING BY KITTENS DURING SUCKLING: WHAT DOES IT MEAN? –
Travel Awardee
G. Raihani, D. González, A. Bautista, H. Distel, & R. Hudson

11:15 DEVELOPMENT OF ELECTROCORTICAL ACTIVITY IN INFANTS
M.M. Myers, W.P. Fifer, A. Izraelit, R.I. Stark, R.A. Darnall,
S. Goldstein-Ferber, J.R. Isler, & P.G. Grieve

11:30 VARIATION AND SELECTION OF COORDINATIVE PATTERNS DURING
MOTOR LEARNING IN THE PERINATAL RAT
S.R. Robinson & V. Mendez-Gallardo

11:45 LATE DEVELOPMENTAL EMERGENCE OF TRUE PLACE NAVIGATION IN THE
RAT – **Travel Awardee**
K.G. Akers, F.T. Candelaria, J.P. Rice, T.E. Johnson, &
D.A. Hamilton

12:00 – 12:15 BEST POSTER AWARD

Presenter: Harlene Hayne

12:15 – 1:00 BUSINESS MEETING - ALL INVITED
END OF ISDP CONFERENCE

REGISTRATION DESK HOURS:

WEDNESDAY 4:30-7:30 PM
THURSDAY 7:30-8:30 AM; 12:30-2:00; 5:40-7:30 PM
FRIDAY 7:30-8:30 AM; 12:00-1:45

LOAD TALKS ON CONFERENCE COMPUTERS:

WEDNESDAY 4:30-7:30 PM
THUR/FRIDAY 8:00-8:30 AM; DURING LUNCH; DURING POSTER SESSION
SATURDAY 8:00-8:30 AM

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INTERNATIONAL SOCIETY FOR DEVELOPMENTAL PSYCHOBIOLOGY

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Adele M.H. Seelke	Mark S. Blumberg	University of Iowa

Sandra G. Wiener Awards

Name	Advisor	Institution
Iva Z. Mathews	Cheryl McCormick	Brock University
Jennifer Miller	Michael Goldstein	Cornell University

Sackler Institute and NIH (NICHD) Travel Awards

Name	Advisor	Institution	Name	Advisor	Institution
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Stacie Miller	Norman Spear	Univ. of Binghamton			

Wednesday – 11/12		Thursday – 11/13		Friday – 11/14		Saturday – 11/15	
		7:00 – 8:25	Wiley Editorial Breakfast				
		8:00 – 8:30	Continental Breakfast and Coffee/Tea	8:00 – 8:30	Continental Breakfast and Coffee/Tea	8:00 – 8:30	Continental Breakfast and Coffee/Tea
		8:30 – 10:30	Sackler Symposium Early Maternal-Fetal/Infant Relationship Contributions to Behavioral, Neural, and Physiological Development Janet DiPietro David Haley Mar Sanchez Amie Hane	8:30 – 10:15	Oral Session 3 7 Talks	8:30 – 10:30	Symposium Serotonin, SRIs and Fetal Neurobehavior: Translational Implications in Developmental Psychobiology Michele Brumley Tim Oberlander Amy Salisbury April Ronca
		10:30 – 11:00	Morning Break	10:15 – 10:45	Morning Break	10:30 – 11:00	Morning Break
		11:00 – 12:30	Oral Session 1 6 Talks	10:45 – 12:00	John Wiley Awards Wiley Best Student Paper Christopher Harshaw John Wiley Distinguished Speaker Stephen Suomi	11:00 – 12:00	Oral Session 5 4 Talks
		12:30 – 2:00	Lunch Board Meeting with Past Presidents	12:00 – 1:45	Lunch Meet the Professors Lunch	12:00 – 12:15	Best Poster Award
		2:00 – 3:30	Oral Session 2 6 Talks	1:45 – 3:45	Oral Session 4 8 Talks	12:15 – 1:00	BUSINESS MEETING – ALL INVITED END OF ISDP CONFERENCE 2008
		3:30 – 4:00	Afternoon Break	3:45 – 4:15	Afternoon Break		
		4:00 – 5:30	AWARDS SYMPOSIUM Dissertation Awards Senior Investigator Award Service to the Society Awards Sandra G. Wiener Awards	4:15 – 5:15	PRESIDENTIAL ADDRESS Developing Creations and Creating Development: Toward a Developmental Psychobiology of "Monsters" Mark Blumberg		
4:30 – 7:30	REGISTRATION	5:40 – 7:30	Poster Session 1 (Cash Bar) Montecito Room	5:30 – 7:30	Poster Session 2 (Cash Bar) Montecito Room		
7:30 – 10:00	Opening Remarks Mark Blumberg ISDP at Forty (+1) Years; Where Have We Been, Where Are We Going? Welcome Reception National Ballroom Foyer						