



**44<sup>TH</sup> ANNUAL MEETING  
CONFERENCE PROGRAM**

**NOVEMBER 9-12, 2011**

**THE WESTIN WASHINGTON DC CITY CENTER**

International Society for Developmental Psychobiology

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**INTERNATIONAL SOCIETY FOR DEVELOPMENTAL PSYCHOBIOLOGY  
44<sup>TH</sup> ANNUAL MEETING - WASHINGTON, D.C.  
NOVEMBER 9-12, 2011**

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**Wiley**  
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**WEDNESDAY, NOVEMBER 9  
NATIONAL BALLROOM**

	<b>PRECONFERENCE</b> – National Ballroom	7:40	SOCIOECONOMIC DISPARITIES IN CHILD NEUROCOGNITIVE DEVELOPMENT: THEORY AND EVIDENCE Kimberly Noble, Columbia University
3:00-6:00	<b>INTERNATIONAL PERINATAL BRAIN AND BEHAVIOR NETWORK – 6TH ANNUAL MEETING</b> Topic: Rate of Development During the Perinatal Period		
4:30 – 7:30	<b>REGISTRATION</b> ( <i>see pg. 12 for other times to register and for times for speakers to load talks</i> ) Location: National Ballroom Foyer	8:00	SOCIOECONOMIC STATUS, CAREGIVER INPUT, AND CHILD LANGUAGE DEVELOPMENT Meredith Rowe, University of Maryland
7:30 – 7:40	<b>OPENING REMARKS</b> President: Michael M. Myers	8:15	SOCIOECONOMIC STATUS AND NEURAL FUNCTION: POTENTIAL MEDIATORS OF ENVIRONMENTAL EFFECTS Margaret Sheridan, Harvard Medical School
7:40-8:40	<b>PAST PRESIDENTS SYMPOSIUM: SOCIOECONOMIC DISPARITIES IN CHILD NEUROCOGNITIVE DEVELOPMENT.</b> Chair: Kimberly Noble, Columbia University	8:30	Discussant: Nathan Fox, University of Maryland
		8:40-10:00	<b>WELCOME RECEPTION:</b> National Ballroom Foyer

THURSDAY, NOVEMBER 10  
NATIONAL BALLROOM

# - Indicates Travel Award Recipient

- 7:00 – 8:25 **WILEY EDITORIAL BREAKFAST:** National East
- 8:00 – 8:30 **CONTINENTAL BREAKFAST AND COFFEE/TEA:**  
National Ballroom Foyer
- 8:00 – 8:30 **STUDENT/POST-DOC BREAKFAST CHAT SESSION:**  
Woodlawn
- 8:30 – 10:30 **SACKLER SYMPOSIUM: INFANT LEARNING AND  
MEMORY: AGE, EXPERIENCE, AND INDIVIDUAL  
DIFFERENCES**  
Chair: Jane Herbert, University of Sheffield
- 8:30 INDIVIDUAL DIFFERENCES IN EARLY DECLARATIVE  
MEMORY  
Mikael Heimann<sup>1</sup>, Emelie Nordqvist<sup>1</sup>, Tomas Tjus<sup>2</sup>  
<sup>1</sup>Linköping University, Sweden; <sup>2</sup>University of  
Gothenburg, Sweden
- 9:00 INFANTS' OWN MOTOR EXPERIENCE INFLUENCES  
THEIR PERCEPTION OF POINT-LIGHT-MOVEMENTS  
Petra Hauf, St. Francis Xavier University, Antigonish, NS,  
Canada
- 9:30 EXPERIENCE PREVENTS THE EMERGENCE OF THE  
OTHER RACE EFFECT DURING INFANCY  
Jane S. Herbert<sup>1</sup> Michelle Heron-Delaney<sup>1,2</sup>, Olivier  
Pascalis<sup>3</sup>  
<sup>1</sup>University of Sheffield, United Kingdom; <sup>2</sup>University of  
Queensland, Australia; <sup>3</sup>Université Pierre Mendès France,  
France
- 10:00 Discussant: Harlene Hayne, University of Otago, New  
Zealand
- 10:30 – 11:00 **MORNING BREAK:** National Ballroom Foyer A

- 11:00 – 12:45 **SYMPOSIUM: DEVELOPMENTAL PATHWAYS OF  
SPECIES-TYPICAL BEHAVIOR**  
Chair: Michael Goldstein, Cornell University
- 11:00 ACTION AND EXPERIENCE DURING PERINATAL  
MOTOR DEVELOPMENT: THE SOFT ASSEMBLY OF  
"HARD WIRING"  
S. Robinson
- 11:20 TRAJECTORY OPTIONS IN THE DEVELOPMENT OF  
SPECIES-TYPICAL HUMAN HANDEDNESS  
G. Michel
- 11:40 SPECIES-TYPICAL NICHES MAKE SPECIES-TYPICAL  
EXPERIENCES MAKE SPECIES-TYPICAL SOCIAL  
PREFERENCES  
J. Alberts
- 12:00 THE DEVELOPMENT OF PERCEPTION: A PROCESS-  
ORIENTED APPROACH  
D. Lewkowicz
- 12.20 Discussant: M. Blumberg
- 12:45 – 1:30 FEDERAL FUNDING OPPORTUNITIES SESSION  
Kathy Mann Koepke, NIH/NICHD
- 12:45 – 2:15 **BOARD MEETING WITH PAST PRESIDENTS:**  
Sherwood Room
- 2:15 – 3:45 **ORAL SESSION 1: POST-NATAL INFLUENCES ON  
BEHAVIOR AND PHYSIOLOGY**  
Chair: Hawley Montgomery-Downs, West Virginia  
University
- 2:15 NEONATAL PAIN IN RELATION TO POSTNATAL  
GROWTH IN INFANTS BORN VERY PRETERM  
J. Vinall<sup>#</sup>, R.E. Grunau, R. Brant, V. Chau, S. Brummelte,  
S.P. Miller
- 2:30 FAMILY NUTURE INTERVENTION IN THE NICU (NFI-  
NICU) DECREASES SYMPTONS OF DEPRESSION IN  
MOTHERS OF PREMATURELY BORN INFANTS  
M.G. Welch, E.S. Fiedor, R.J. Ludwig, R.I. Stark, M.A.  
Hofer, M.M. Myers

- 2:45 IDENTIFYING INFANTS AT RISK FOR SOCIAL WITHDRAWAL BEHAVIOR BY UTILIZING THE EDINBURGH POSTNATAL DEPRESSION SCREEN (EPDS)  
N. Burtchen<sup>#</sup>, M. Alvarez-Segura, B.P. Dreyer, F.X. Castellanos, P. Parsafar, A.L. Mendelsohn
- 3:00 FETAL ORIGINS OF INNATE OROFACIAL BEHAVIORS IN MARMOSET MONKEYS  
D. Narayanan<sup>#</sup>, D.Y. Takahashi, A.A. Ghazanfar
- 3:15 DOES THE FETUS SIGNAL THE MOTHER?  
J.A. DiPietro, K.A. Costigan, P.Chen, K.Voegtline
- 3:30 NEWBORN BASELINE CORTICAL ACTIVITY AND LEARNING DURING SLEEP  
A.R. Tarullo, C. Gennarini, P.G. Grieve, J. Piraquive, E.K. Tamura, J.S.C. Yang, P.D. Balsam, W.P. Fifer
- 3:45 – 4:15 **AFTERNOON BREAK**
- 4:15 – 4:55 **AWARDS SYMPOSIUM**  
Chair: Michael M. Myers
- KUCHARSKI YOUNG INVESTIGATOR AWARD**  
Susanne Brummelte, University of British Columbia  
(talk will be on Nov. 12, 11:15 a.m.)
- DISSERTATION AWARD**
- 4:15 NEUROCOGNITIVE DEVELOPMENT OF INFANTS WITH PRENATAL METHADONE EXPOSURE  
Jonathan A. Paul  
University of Texas Medical Branch, Galveston  
Advisor: Marie Hayes
- SANDRA G. WIENER AWARD**
- 4:35 THE DEVELOPMENTAL EMERGENCE OF CIRCADIAN PREFERENCE IS PREDICTED BY DISTINCT PATTERNS OF RETINOHYPOTHALAMIC INNERVATION IN NOCTURNAL NORWAY RATS AND DIURNAL NILE GRASS RATS  
William D. Todd  
University of Iowa  
Advisor: Mark Blumberg

- 5:15 – 7:15 **POSTER SESSION 1 (Cash Bar):** Monticello Ballroom
- 1 WHAT DEFINES SALIENCE IN VISUAL ORIENTING? D. Amso, S. Haas, J. Markant
- 2 DO VOICES AND PREVIOUS EXPERIENCES MEDIATE INFANT ATTENTION TO FACES? G. Taylor<sup>#</sup>, J.S. Herbert, P. Slade.
- 3 THE ROLE OF FACE-VOICE SYNCHRONY AND LINGUISTIC EXPERIENCE IN INFANT ATTENTION TO TALKING FACES. N.J. Minar<sup>#</sup>, A.M. Hansen, D.J. Lewkowicz
- 4 ESTIMATING PERCEPTUAL BIASES MEDIATING FACIAL EXPRESSION CLASSIFICATION BY CHILDREN AND ADULTS USING REVERSE CORRELATION. D. Hipp<sup>#</sup>, P. Gerhardstein, X. Zhang, L. Yin, J. Laguio, C. Jankow
- 5 THE DEVELOPMENT OF HANDEDNESS IN ROLE-DIFFERENTIATED BIMANUAL MANIPULATION IN RELATION TO HANDEDNESS FOR APPREHENSION IN 11 TO 14 MONTH OLD INFANTS. I. Babik<sup>#</sup>, G.F. Michel
- 6 HAND-USE PREFERENCES FOR APPREHENDING OBJECTS PREDICT HAND-USE PREFERENCES FOR MANIPULATING OBJECTS. J.M. Campbell<sup>#</sup>, I. Babik, G.F. Michel
- 7 A HAND USE PREFERENCE PREDICTS SUCCESSFUL BUILDING IN INFANTS 10 - 14 MONTHS. E.C. Marcinowski<sup>#</sup>, J.D. Bailoo, G.F. Michel
- 8 HAND USE PREFERENCE AND THE EMERGENCE OF PROBLEM-SOLVING ABILITY: A LONGITUDINAL STUDY FROM 6 TO 24 MONTHS. E.L. Nelson<sup>#</sup>, G.F. Michel
- 9 THE ROLE OF A STABLE HAND-USE PREFERENCE IN DEVELOPMENT OF TOOL USE IN INFANTS 10 TO 14 MONTHS OF AGE. O. Taras<sup>#</sup>, G.F. Michel
- 10 INFANT HANDEDNESS PREDICTS PRESCHOOL HANDEDNESS AND DESIGN COPYING SKILLS. C.E. Sanders<sup>#</sup>, G.F. Michel
- 11 THE EFFECTS OF EARLY EXPERIENCE ON INFANT ATTENTION TO TALKING. A.M. Hansen<sup>#</sup>, N.J. Minar, D.J. Lewkowicz

- 12 INTERSENSORY REDUNDANCY EDUCATES INFANTS' ATTENTION TO THE AMODAL PROPERTY OF TEMPO. L.E. Bahrick, R. Lickliter, I. Castellanos<sup>#</sup>
- 13 TESTING THE INTERSENSORY REDUNDANCY HYPOTHESIS DURING EARLY POSTNATAL DEVELOPMENT. J. Vaillant, L.E. Bahrick, R. Lickliter
- 14 OLFATORY MODULATION OF VISUAL BEHAVIOR IN 4 MONTH-OLD INFANTS: MATERNAL ODOR AFFECTS VISUAL EXPLORATION AND ENHANCES PREFERENCE FOR MOTHERS FACE. K. Durand, J.-Y. Baudouin, N. Goubet, D. Lewkowicz, J. Monnot, S. Martin, B. Schaal
- 15 THE EFFECT OF OLFATORY CONTEXT ON 3RD GRADERS' MEMORY. E. Shupe, N. Goubet.
- 16 RECOGNITION OF FACIAL EXPRESSIONS IN 5 TO 9 YEAR OLD CHILDREN. D. Willis, N. Goubet
- 17 INFANTS SHOW A CONDITIONED PLACE PREFERENCE FOR MULTIMODAL BUT NOT UNIMODAL INFANT-DIRECTED SPEECH. A.L. Bradley, J.N. Pagnotta, T. Tan, J.A. Schwade, M.H. Goldstein
- 18 TWO-YEAR-OLDS EXHIBIT EEG THETA SYNCHRONIZATION DURING A MEMORY TASK. K. Cuevas<sup>#</sup>, V. Raj, M.A. Bell
- 19 DYNAMIC INTEGRATION OF SPATIAL ATTENTION, GAZE, AND MOTOR ACTIVITY DURING FREE LOOKING IN 3-MONTH-OLDS. S.S. Robertson, S.-W. Liou
- 20 AN ELECTROPHYSIOLOGICAL INVESTIGATION OF ATTENTION AND INHIBITORY CONTROL IN MIDDLE CHILDHOOD. V. Raj<sup>#</sup>, K. Cuevas, M.A. Bell
- 21 STRATEGIES FOR ENHANCING ENCODING OF INFORMATION FROM SCREEN MEDIA. K. Dickerson, P. McIntyre, E. Oot, C. Yao, P. Gerhardstein, R. Barr
- 22 SPATIAL CUES IN A COMPUTER SCREEN WORLD. A. E. Learmonth
- 23 A SIMPLE SET OF RULES MIMICS THE BEHAVIOR OF CHILDREN SEARCHING FOR PATCHILY DISTRIBUTED TARGETS IN A LARGE, OPEN AREA. M.F. Rosetti<sup>#</sup>, L. Pacheco-Cobos, H. Larralde, R. Hudson.
- 24 SPREADING ACTIVATION: DEVELOPMENTAL CHANGES IN ASSOCIATIVE MEMORY FORMATION ACROSS THE INFANCY PERIOD. J. Gross, R. Barr, E.J. Walker, H. Hayne
- 25 THE EFFECT OF BILINGUALISM ON MEMORY SPECIFICITY DURING INFANCY. N. Brito, H. Frank, J. Shuler, R. Barr
- 26 FACTORS ASSOCIATED WITH POOR RAPID AUDITORY PROCESSING IN LOW INCOME MINORITY FAMILIES. R. Barr, P. Horn, E. Oot, S. Fenstermacher, C. Zachary, J. Ramirez, P. Bengoechea, A. Benasich, N. Choudhury, D. Linebarger
- 27 THE NEURAL SUBSTRATES OF INFANT IMITATION. K. Akano, D.W. Haley
- 28 HOT AND COOL EXECUTIVE FUNCTION AT AGES 2 AND 3. J.H. Kraybill, M.A. Bell
- 29 AN INVESTIGATION OF THREE TYPES OF INHIBITORY CONTROL IN THREE-YEAR-OLD CHILDREN. A. Watson<sup>#</sup>, M. Hubble, M.A. Bell
- 30 AMYGDALA RESPONSE TO NEUTRAL FACES DEPENDENT ON CONTEXT IN ADULTS AND CHILDREN. M.B. Harms<sup>#</sup>, J. Wenner, K.M. Thomas
- 31 INFANT STRESS AND MEMORY. D.W. Haley, R.F. Barr, J.A. Cordick, M.R. Ryan.
- 32 GENDER DIFFERENCES IN THE ASSOCIATION BETWEEN CORTISOL STRESS RESPONSE AND INTERNALIZING SYMPTOMS. B.M. Brush, M.H. Bublitz, L.R. Stroud
- 33 CORTISOL RESPONSE IS DIFFERENTIALLY RELATED TO BEHAVIORAL REACTIVITY AND REGULATION DURING FEAR AND FRUSTRATION AT 7, 15, AND 24 MONTHS OF AGE. A. Ursache, C. Blair, D. Granger, and the FLP Investigators

- 34 EARLY LIFE ADVERSITY IS ASSOCIATED WITH INCREASED PLASMA C-REACTIVE PROTEIN IN PREGNANT ADOLESCENTS. M. Gilchrist, M. Howard, M.T. Kinsella, S. Foss, A. Tatrallyay, E. Werner, C. Monk
- 35 THE EFFECTS OF EARLY LIFE STRESS ON PHYSICAL GROWTH AND AUTONOMIC FUNCTION IN CHILDREN ADOPTED FROM INSTITUTIONS. E.A. Esposito, M.R. Gunnar, B. Donzella
- 36 PLACENTAL 11B-HSD2 GENE EXPRESSION PREDICTS NEWBORN CORTISOL AND NEUROBEHAVIOR. S. Deutsch-Link, M. Bublitz, J. Padbury, L. Stroud
- 37 INFANT FEAR REACTIVITY: FRONTAL EEG ASYMMETRY AND MATERNAL RATINGS. A. Diaz<sup>#</sup>, M.A. Bell
- 38 THE COGNITIVE SUBSTRATES OF CRY PERCEPTION. J.M. Dudek<sup>#</sup>, D.W. Haley
- 39 SUBJECTIVE AND OBJECTIVE SOCIOECONOMIC STATUS INFLUENCES DIFFERENTIAL AUTONOMIC STRESS REACTIVITY. K.M. O'Brien<sup>#</sup>, C.L. Moore
- 40 EARLY LIFE STRESS, THE DEVELOPMENT OF PHYSIOLOGICAL STRESS SYSTEMS, AND POTENTIAL TRAIT PERSONALITY MODERATORS. K.M. O'Brien<sup>#</sup>, C.L. Moore
- 41 PREDICTING CHILD CARE CORTISOL: A NEW TEACHER QUESTIONNAIRE. I.Y. Pikovsky, L.S. Badanes, S.E. Watamura
- 42 EXAMINING FEARFULNESS IN POST-INSTITUTIONALIZED CHILDREN: RELATIONS WITH HPA AND ANS FUNCTIONING. S.A. Stellern, E.A. Esposito, B. Donzella, M.R. Gunnar
- 43 MATERNAL SUGAR INTAKE IN PREGNANT ADOLESCENTS PREDICTS PERCENTAGE OF FETAL MOVEMENT DURING BASELINE. S. Foss, A. Tatrallyay, M.T. Kinsella, M. Gilchrist, M. Howard, A. Singh, E. Werner, C. Monk
- 44 LEARNING AND MEMORY ACROSS THE FETAL TO EARLY NEWBORN PERIOD. C. Krueger
- 45 PREDICTORS OF WHITE AND GRAY MATTER MATURATION IN THE PRETERM INFANT FROM BIRTH TO TERM-EQUIVALENT AGE IN RELATION TO COGNITIVE OUTCOME AT 18 MONTHS CORRECTED AGE. S. Brummelte, R.E. Grunau, V. Chau, K.J. Poskitt, J. Vinall, A. Synnes, S.P. Miller
- 46 PRELIMINARY EXAMINATION OF DNA METHYLATION STATUS IN CHILDREN WITH PRENATAL ALCOHOL EXPOSURE. J.H. Hannigan, L.M. Chiodo, V. Delaney-Black, R.J. Sokol, D. Ruden, A. Kruger, S. Land
- 47 PRACTICABILITY OF A MULTI-MODAL FAMILY NURTURE INTERVENTION IN A HIGH RISK NICU. M.G. Welch, M.A. Hofer, S.A. Brunelli, E.S. Fiedor, R.I. Stark, H. Andrews, J.G. Johnson, M.M. Myers
- 48 A MICROGENETIC CASE STUDY OF SLEEP & MOTOR DEVELOPMENT OVER THE FIRST 2 YEARS. S.E. Berger, A. Scher
- 49 INCREASED OPPORTUNITIES TO INTERACT WITH THE MOTHER AFFECT RESPONSES OF PIGLETS TO WEANING AND A CHANGE OF ENVIRONMENT. M. Oostindjer, H. van den Brand, B. Kemp, J.E. Bolhuis.
- 50 FOR WHOM DOES THE BABY BABBLE? WORD LEARNING IS FACILITATED BY HEARING SPEECH-LIKE VOCALIZATIONS. R.R. Albert, J.A. Schwade, M.H. Goldstein.
- 51 MULTIPLE TIMESCALES OF VOCAL LEARNING FROM THE SOCIAL ENVIRONMENT IN THE ZEBRA FINCH (TAENIOPYGIA GUTTATA). O. Menyhart<sup>#</sup>, R. Chou, M.H. Goldstein, T.J. DeVoogd
- 52 CHILD DEVELOPMENT AND EXPOSURE TO SECONDHAND TOBACCO SMOKE. H.E. Montgomery-Downs, W.K. Al-Delaimy, S.P. Insana, M. Clegg-Kraynok, M. Verzino

**FRIDAY, NOVEMBER 11  
NATIONAL BALLROOM**

8:00 – 8:30 **CONTINENTAL BREAKFAST AND COFFEE/TEA:**  
National Ballroom Foyer

8:30 – 10:30 **ORAL SESSION 2: STRESS SYSTEMS**  
Chair: John Freeman

8:30 RESTING SALIVARY ALPHA-AMYLASE AND CORTISOL IN INFANCY AND TODDLERHOOD: DIRECT AND INDIRECT RELATIONS WITH EXECUTIVE FUNCTIONING IN EARLY CHILDHOOD AND ACADEMIC IN PRE-KINDERGARTEN  
D. Berry<sup>#</sup>, C. Blair, M. Willoughby, D.A. Granger, the Family Life Project Key Investigators

8:45 CONCORDANCE AND DISCORDANCE OF MATERNAL-CHILD CORTISOL AWAKENING RESPONSES ON MATERNAL WORK AND NON-WORK DAYS  
L. Hibel, E. Mercado, J. Trumbell

9:00 PARENTING DIMENSIONS IMPACTING HPA AXIS FUNCTION DURING RECOVERY FROM EARLY LIFE STRESS  
C.E. Hostinar, S.B. Mliner, M.R. Gunnar

9:15 FAMILY COHESION MODERATES THE RELATIONSHIP BETWEEN CORTISOL RESPONSE AND EMOTIONAL ADJUSTMENT IN LATE ADOLESCENCE  
V. Kahen Johnson, S.E. Gans

9:30 CHILDHOOD MALTREATMENT HISTORY IS ASSOCIATED WITH ALTERED REGIONAL BRAIN GLUCOSE METABOLISM THAT PERSISTS ACROSS REM SLEEP AND WAKE STATES AMONG MILITARY VETERANS OF OPERATION IRAQI/ ENDURING FREEDOM  
S. Insana<sup>#</sup>, R. Herringa, A. Germain

9:45 HPA FUNCTIONING SOON AFTER ADOPTION PREDICTS CONTINUING INDISCRIMINATE FRIENDLINESS BEHAVIOR IN INTERNATIONALLY ADOPTED CHILDREN  
J.M. Lawler, C.E. Hostinar, M.R. Gunnar

10:00 PRENATAL SEROTONIN REUPTAKE INHIBITOR (SRI) ANTIDEPRESSANT EXPOSURE AND SEROTONIN TRANSPORTER PROMOTOR GENOTYPE (SLC6A4) INFLUENCE EXECUTIVE FUNCTIONS AT 6 YEARS OF AGE  
T.F. Oberlander, R.E Grunau, U. Brain, C. Chau, A. Diamond

10:15 MATERNAL TESTORONE AND CORTISOL IN LATE PREGNANCY  
K.M. Voegtline<sup>#</sup>, J.A. DiPietro, K.A. Costigan

10:30 – 11:00 **MORNING BREAK**

11:00 – 12:30 **SYMPOSIUM: THE EMERGENCE OF SCHIZOPHRENIA IN A DEVELOPMENTAL CONTEXT**  
Chair: Cheryl Corcoran

11:00 THE EMERGENCE OF SCHIZOPHRENIA IN A DEVELOPMENTAL CONTEXT  
C.M. Corcoran

11:20 SENSORY PROCESSING DEFICITS AND EMERGING SCHIZOPHRENIA  
D.C. Javitt, C.M. Corcoran

11:40 THE EFFECT OF DOPAMINE D2R UP-REGULATION IN STRIATUM ON FUNCTIONAL AND MORPHOLOGICAL CONNECTIVITY IN THE BASAL GANGLIA  
M. Cazorla, M. Shegda, E. Simpson, E. Kandel, S. Haber, C. Kellendonk

12:00 Discussant: Linda Spear, SUNY, Binghamton

12:30 – 2:00 **MID-DAY BREAK**

12:30 – 2:00 **MEET THE PROFESSORS LUNCH:** 1400 North Room

2:00 – 4:00 **ORAL SESSION 3: ATTENTION, LEARNING, AND MEMORY**  
Chair: Peter Gerhardstein, Binghamton University

2:00 SOCIAL EVALUATION OR SIMPLE ASSOCIATION?  
D.K. Scarf<sup>#</sup>, K. Imuta, M. Colombo, H. Hayne



- 2.15 GENETIC CONTRIBUTIONS TO COGNITIVE FLEXIBILITY DURING INFANCY  
J. Markant, D. Cicchetti, S.R. Hetzel, K.M. Thomas
- 2:30 PREMATURELY DELIVERED RATS SHOW BETTER MOTOR COORDINATION THAN AGE-MATCHED CONTROLS: THE EFFECTS OF ADDITIONAL POSTNATAL EXPERIENCE ON MOTOR BEHAVIOR.  
M.E. Roberto<sup>#</sup>, M.R. Brumley
- 2:45 ONTOGENY OF GROUP REGULATORY BEHAVIOR IN C57BL/6 MICE.  
C. Harshaw<sup>#</sup>, J.R. Alberts
- 3:00 SENSORY PRECONDITIONING AND SECORD-ORDER CONDITIONING IN AN ANIMAL MODEL OF FETAL ALCOHOL SPECTRUM DISORDER  
P.S. Hunt, R.C. Barnet, K. Kapetanovic, A. Pudasaini, E.A. Wingfield
- 3.15 INCREASED AFFINITY FOR ALCOHOL AFTER PRENATAL ALCOHOL EXPOSURE: THE ROLE OF KAPPA AND MU OPOID RECEPTOR SYSTEMS  
M.G. Chotro, E. Diaz-Cenzano, M. Gastañaga
- 3:30 FLAVOR PREFERENCE CONDITIONING IN CHILDREN  
C.A. Forestell, V.H. Marshall
- 3:45 MAPK/ERK ACTIVATION IN THE PREFRONTAL CORTEX AND THE AMYGDALA FOLLOWING FORGETTING IN DEVELOPING RATS  
J.H. Kim<sup>#</sup>, S. Li, A.S. Hamlin, G.P. McNally, R. Richardson
- 4:00 – 4:30 **AFTERNOON BREAK**
- 4:30 – 5:30 **PRESIDENTIAL ADDRESS**  
Chair: Scott R. Robinson
- EFFECTS OF EARLY EXPERIENCE: A TIME, A PROCESS, A PLACE  
Michael M. Myers, New York State Psychiatric Institute
- 5:30 – 7:30 **POSTER SESSION 2 (Cash Bar):** Monticello Ballroom
- 1 THE UNCONDITIONED STIMULUS PREEXPOSURE EFFECT IN PREWEANLING RATS IN TASTE AVERSION LEARNING: LACK OF CONTEXT DEPENDENCE. A. Bobbio, S. Castello, D.A. Revillo, E. Orellana, N.E. Spear, C. Arias
  - 2 THE UNCONDITIONED STIMULUS PRE-EXPOSURE EFFECT INDUCED BY ETHANOL, AND CROSS-FAMILIARIZATION BETWEEN LICL AND ETHANOL IN PREWEANLING RATS. C. Arias, D.A. Revillo, N.E. Spear
  - 3 RE-EXAMINING THE ONTOGENY OF THE CONTEXT-PREEXPOSURE FACILITATION EFFECT IN THE RAT. M.V. Pisano<sup>#</sup>, G. Paglini, C. Arias
  - 4 STRESS COPING AND BRAIN DEVELOPMENT: A LONGITUDINAL MRI STUDY. J.M. Nechvatal<sup>#</sup>, D. Qiu, C.L. Buckmaster, A.F. Schatzberg, M.E. Moseley, D.M. Lyons
  - 5 ENRICHED OPEN FIELD FACILITATES EXERCISE AND SOCIAL INTERACTION IN TWO STRAINS OF GUINEA PIG. J.S. Brewer, P. Joshi, L. Rosenthal, L.N. Keene, M. Voogd, G.A. Kleven
  - 6 ELEVATED PRENATAL PROGESTERONE CAN AFFECT POSTNATAL EMOTIONAL REACTIVITY IN BOBWHITE QUAIL NEONATES. J. Herrington<sup>#</sup>, R. Lickliter
  - 7 THE PRESENCE OF CONTINUOUS LIGHT ENHANCES PRENATAL AUDITORY LEARNING BY BOBWHITE QUAIL EMBRYOS. H. Honeycutt
  - 8 PERSISTING SENSITIZATION OF DEPRESSIVE-LIKE BEHAVIOR AND CORE BODY TEMPERATURE DURING MATERNAL SEPARATION IN GUINEA PIG PUPS. B. Yusko<sup>#</sup>, K. Hawk, P.A. Schiml, T. Deak, M.B. Hennessy
  - 9 INDIVIDUAL DIFFERENCES IN DAM RESPONSE TO BRIEF AND LONG PERIODS OF MATERNAL SEPARATION IN C57BL/6 MICE. J.D. Bailoo<sup>#</sup>, X.J. Garza, R.L. Jordan
  - 10 ACUTE TOLERANCE TO ETHANOL-INDUCED MOTOR IMPAIRMENT IN ADOLESCENT AND ADULT FEMALE SPRAGUE-DAWLEY RATS. M.A. Broadwater<sup>#</sup>, E.I. Varlinskaya, L.P. Spear

- 11 WHAT MEDIATES THE EFFECT OF POSTNATAL MATERNAL SELF-STRESS REGULATION ON OFFSPRING BEHAVIORAL INHIBITION DURING ADULTHOOD. S.M. Dinces<sup>#</sup>, R.D. Romeo, B.S. McEwen, A.C. Tang
- 12 AGE- AND EXPERIENCE-DEPENDENT CHANGES IN BEHAVIORAL STRESS REACTIVITY. D. Franco<sup>#</sup>, P. Lui, B. Park, R.D. Romeo
- 13 THE PUBERTAL RELATED DECLINE IN CELLULAR PROLIFERATION AND NEUROGENESIS IN THE DENTATE GYRUS IS INDEPENDENT OF GONADAL HORMONES. A. Ho<sup>#</sup>, A.J. Villacis, S.E. Svirsky, A.R. Foilb, R.D. Romeo
- 14 PUBERTAL-, SEX-, AND STRAIN-DIFFERENCES IN STRESS REACTIVITY. E.T. Kaplowitz<sup>#</sup>, A. Ho, D. Franco, R.D. Romeo
- 15 HIPPOCAMPAL THETA ACTIVITY IN THE DEVELOPING HIPPOCAMPUS DURING TRACE EYEBLINK CONDITIONING. M.E. Goldsberry<sup>#</sup>, J.H. Freeman
- 16 ACTIVATION OF HINDLIMB STEPPING WITH QUIPAZINE DOES NOT FACILITATE YOKE MOTOR LEARNING IN THE NEONATAL RAT. S.D. Harris<sup>#</sup>, E. Hu, S.R. Robinson, M.R. Brumley
- 17 NEONATAL MERCURY, HIPPOCAMPUS-DEPENDENT LEARNING AND ANXIETY IN A RAT MODEL. M.A. Hayden<sup>#</sup>, K. Kapetanovic, D.A. Cristol, P.S. Hunt
- 18 NEONATAL MERCURY IMPAIRS CONTEXT FEAR CONDITIONING IN RATS. K. Kapetanovic, P.S. Hunt
- 19 DEVELOPMENTAL DIFFERENCES IN THE ROLE OF THE IMMUNE SYSTEM ON NEURAL PATHWAYS ASSOCIATED WITH PAIN AND INJURY. D.A. Hunter, C. Chai, G.A. Barr
- 20 ONTOGENY OF THE CONTEXT PREEXPOSURE FACILITATION EFFECT (CPFE): CONJUNCTIVE ASSOCIATIONS, POST-TRAINING CONSOLIDATION, AND ACQUISITION VS. EXPRESSION. S.A. Jablonski<sup>#</sup>, F.L. Schiffino, P.S. Hunt, M.E. Stanton
- 21 TRANSIENT JUVENILE BEHAVIORAL DEFICITS AFTER LOW-DOSE PRENATAL TOXIN EXPOSURE. L.N. Keene, J.S. Rodefer, S.R. Robinson, G.A. Kleven
- 22 CELLULAR CHANGES IN RESPONSE TO BINGE-LIKE ETHANOL ADMINISTRATION DURING ADOLESCENCE IN THE MEDIAL PREFRONTAL CORTEX AND THE BASOLATERAL AMYGDALA IN ADULT MALE AND FEMALE RATS. W.A. Koss<sup>#</sup>, R.N. Sadowski, L.K. Sherrill, J.M. Gulley, J.M. Juraska
- 23 THE NEONATAL METABOLOME PREDICTS THE ADULT RESPONSE TO NOVELTY. J.J. Morgan<sup>#</sup>, G.A. Kleven, C.D. Tulbert, G.G. Winn, J. Olson, A.E. Ronca
- 24 DEVELOPMENTAL CHANGES IN MEDIAL AUDITORY THALAMIC ACTIVITY DURING EYEBLINK CONDITIONING. K.H. Ng, J.H. Freeman
- 25 MATERNAL BEHAVIOR IN LONG EVANS HOODED RATS IS ALTERED BY LOW DOSES OF BISPHENOL A DURING GESTATION AND EARLY DEVELOPMENT. R.N. Sadowski, N.C. Lowry, P.Y. Park, S.L. Neese, S.L. Schantz, J.M. Juraska
- 26 THE EFFECTS OF EXERCISE AND ENVIRONMENTAL ENRICHMENT ON FEAR CONDITIONING IN A NEONATAL ALCOHOL RODENT MODEL. W.B. Schreiber<sup>#</sup>, S.A. St. Cyr, S.A. Jablonski, A.Y. Klintsova, P.S. Hunt, M.E. Stanton
- 27 A NEURODEVELOPMENTAL PROFILE OF THE 3XTG-AD MOUSE MODEL OF ALZHEIMER'S DISEASE. C.E. Blaney, R.E. Brown
- 28 RANGE OF MOTION (ROM) RESTRICTION DURING QUIPAZINE-INDUCED HINDLIMB STEPPING IN P1 AND P10 RATS. M.M. Strain<sup>#</sup>, M.R. Brumley.
- 29 EFFECTS OF INTRATHECAL ADMINISTRATION OF QUIPAZINE ON HINDLIMB ACTIVITY IN NEONATAL RATS. H.E. Swann<sup>#</sup>, M.R. Brumley
- 30 HEART RATE RESPONSE TO ATROPINE IN ADOLESCENT AND ADULT RATS: IMPLICATIONS FOR THE VAGAL BRAKE. J.D. Sweatt<sup>#</sup>, L.P. Spear
- 31 STATE-DEPENDENT THALAMIC ACTIVITY IN INFANT RATS. A. Tiriac<sup>#</sup>, M.S. Blumberg.

- 32 METHOD OF CORTICOSTERONE DELIVERY DIFFERENTIALLY AFFECTS LEARNING OUTCOME: THE CHALLENGE OF CONTINUOUS ADMINISTRATION. D.I. Claflin, C.T. Fitch, L. Greenfield, S.J. Jensen, M. Kraszpulski, K.D. Schmidt, C.L. Wentworth-Eidsaune, M.B. Hennessy
- 33 DEVELOPMENTAL LINKAGES BETWEEN PERINATAL ASPHYXIA AND THE ADULT NEUROMETABONOME: A NUCLEAR MAGNETIC RESONANCE (NMR)-BASED APPROACH. L.A. Maxwell<sup>#</sup>, J.J. Morgan, C.A. Tulbert, G. Kleven, A.E. Ronca, D.A. Horita
- 34 ADOLESCENT HIV-1 TRANSGENIC RATS: DISRUPTION OF SENSORIMOTOR GATING AND ALTERATIONS IN THE DOPAMINERGIC SYSTEM BY METHAMPHETAMINE CHALLENGE. L.M. Moran<sup>#</sup>, R.M. Booze, K.M. Webb, M.Y. Aksenov, M.V. Aksenova, L.L. Hord, C.F. Mactutus
- 35 THE EFFECT OF DOPAMINE LIGANDS ON MATERNAL POTENTIATION DOES NOT DEPEND ON DAM ACTIVITY. C.C. Morton<sup>#</sup>, H.N. Shair
- 36 NEONATAL ALCOHOL EXPOSURE AND THE HIPPOCAMPUS IN DEVELOPING RATS: EFFECTS ON BEHAVIORALLY INDUCED CA1 C-FOS EXPRESSION, CA1 PYRAMIDAL CELLS, AND CONTEXTUAL FEAR CONDITIONING. N.J. Murawski<sup>#</sup>, A.Y. Klintsova, M.E. Stanton
- 37 PET1 KNOCKOUT MOUSE PUPS HAVE IMPAIRED AROUSAL IN RESPONSE TO INTERMITTENT HYPOXIA: IMPLICATIONS FOR THE SUDDEN INFANT DEATH SYNDROME (SIDS). R.A. Darnall, R.W. Schneider, C.M. Tobia, C.A. Webster, B.M. Zemel, K.J. Cummings, H.C. Kinney, E.E. Nattie.
- 38 EARLY LIFE EXPERIENCES AND BEHAVIOR ARE RELATED TO ADULT GR AND SERT MRNA EXPRESSION IN A SEX SPECIFIC MANNER. C.M. Ragan<sup>#</sup>, B.R. Coleman, J. Gyekis, D.J. Vandenberg, J.P. Vanden Heuvel, S.A. Cavigelli
- 39 Withdrawn.
- 40 STRIATAL DOPAMINERGIC ALTERATIONS FOLLOWING INTRAUTERINE ASPHYXIA IN FULL TERM RATS. J. A. Varholick<sup>#</sup>, C.A. Tulbert, S.J. Kaszycki, J.J. Morgan, G. Kleven, A.E. Ronca
- 41 WHICH ODOUR SUBSTRATES INDUCE NIPPLE GRASPING AT BIRTH IN NEWBORN MICE? L. Belin, S. Al Ain, B. Schaal, B. Patris
- 42 AMNIOTIC FLUID AND MILK ODOR EVOKE CRAWLING LOCOMOTION IN THE NEWBORN RAT. V. Mendez-Gallardo<sup>#</sup>, S.R. Robinson
- 43 EFFECTS OF SACCHARIN PRE-EXPOSURE ON APPETITIVE FLAVOR LEARNING IN PRE-WEANLING RATS. S.E. Swithers
- 44 THE COMPARISON OF PRENATAL DIETARY EXPOSURE TO PHYTOESTROGENS AND REARING CONDITION MODERATED BY CROSS-FOSTERING AND NUTRITIONAL CONTROL IN LATENT CROSS-FOSTERING. R.R. Totton, B.J. Sanstrum<sup>#</sup>, L.A. Becker
- 45 MOUSE PUP SELECTIVITY TO THE ODOR OF MURINE MILK SAMPLED AT DIFFERENT LACTATIONAL STAGES. S. Al Ain, L. Belin, B. Patris, B. Schaal
- 46 SIMILARITIES AND DIFFERENCES IN THE USE OF SUCKLING ODORS BY NEWBORN RABBITS, CATS AND DOGS. R. Hudson, A. Bautista, D. Gonzalez, L. Arteaga
- 47 DEVELOPMENT OF ODOR-GUIDED HOME ORIENTATION IN C57BL/6 MICE. P. Meyer, J.R. Alberts
- 48 DEVELOPMENT OF TEMPERATURE DEPENDENT PUP FLOW IN MOUSE HUDDLES. D.S. Shelton, J.R. Alberts

8:00 – 10:00 **STUDENT SOCIAL:** Pizza Party, Sherwood Room

**SATURDAY, NOVEMBER 12  
NATIONAL BALLROOM**

- 8:00 – 8:30     **CONTINENTAL BREAKFAST AND COFFEE/TEA:**  
National Ballroom Foyer
- 8:30 – 9:45     **JOHN WILEY BEST STUDENT PAPER**  
To be announced by: Michael Hennessy
- JOHN WILEY DISTINGUISHED SPEAKER**  
Chair: Michael Myers  
Wiley Representative: Matthew Giampoala
- VIEWING AUTISM WITH A NEUROBIOLOGICAL LENS  
Pat Levitt, Director, Zilkha Neurogenetic Institute, Keck  
School of Medicine of USC
- 9:45 – 10:15    **MORNING BREAK**
- 10:15 – 12:00   **SYMPOSIUM: SEX-SPECIFIC EFFECTS OF  
PERINATAL STRESS ON BRAIN DEVELOPMENT:  
RESILIENCE AND INTERVENTIONS**  
Chair: Ruth Grunau, University of British Columbia
- 10:15    EARLY ENVIRONMENTAL PROGRAMMING:  
MOLECULAR, NEUROANATOMICAL,  
NEUROENDOCRINE AND BEHAVIORAL EFFECTS  
K. Braun
- 10:35    SEX-SPECIFIC PATTERNS OF CORTICAL DNA  
METHYLATION ARE ASSOCIATED WITH SEX-  
DIFFERENCES IN FEAR-RELATED LEARNING AND  
MEMORY  
T. Bredy
- 10:55    EPIGENETIC BRAIN MODIFICATIONS: EFFECTS OF  
INFANT-CAREGIVER EXPERIENCES  
T. Roth
- 11.15    PAIN AND THE DEVELOPING BRAIN: EARLY  
ADVERSE EXPERIENCES IN VERY PRETERM  
INFANTS AFFECT BRAIN MATURATION  
S. Brummelte (**Kucharski Young Investigator Award**)

Related Presentations

- 11.30    SOCIAL NICHEs AND SOCIAL CONTEXT:  
UNCOVERING THE DEVELOPMENT OF SOCIABILITY  
IN BROWN-HEADED COWBIRDS (MOLOTHRUS ATER)  
G.M. Kohn, A.P. King, L.L. Scherschel, M.J. West
- 11.45    TITRATING OUT COMPONENTS OF THE SOCIAL  
NICHE FOR EARLY VOCAL LEARNING IN  
PRELINGUISTIC INFANTS  
R.L. Elkin, M.H. Goldstein
- 12:00 – 12:15   **BEST POSTER AWARD**  
Presenter: Scott R. Robinson
- 12:15 – 12:45   **BUSINESS MEETING - ALL INVITED**  
End of ISDP Conference

<b>Registration Desk Hours:</b>	
<i>Wednesday</i>	4:30-7:30 pm
<i>Thursday</i>	7:30-8:30 am; 10:30-11:00; 12:45-1:15; 5:15-6:15 pm
<i>Friday</i>	7:30-8:30 am; 12:30-1:00; 5:30-6:30 pm
<b>Load Talks on Conference Computers:</b>	
<i>Wednesday</i>	4:30-7:30 pm
<i>Thursday/Friday</i>	8:00-8:30 am; mid-day break; during Poster sessions
<i>Saturday</i>	8:00-8:30 am

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## ISDP 2011 AWARDS

**ISDP Dissertation Award - Jonathan A. Paul**, University of Texas Medical Branch, Galveston (Marie Hayes-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 his dissertation at the annual meeting.*

**Sandra G. Wiener Award - William D. Todd**, University of Iowa (Mark Blumberg-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.*

**Kucharski Young Investigator Award - Susanne Brummelte**, University of British Columbia. *This prestigious award is given to honor the memory of David Kucharski, a promising young investigator in the field of Developmental Psychobiology.*

### 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.*

Name	Advisor	Institution	Name	Advisor	Institution
Iryna Babik	George F. Michel	University of North Carolina at Greensboro	Otilia Menyhart	Michael H. Goldstein	Cornell University
Jeremy Bailoo	George F. Michel	University of North Carolina at Greensboro	Nicholas Minar	David J. Lewkowicz	Florida Atlantic University
Daniel Berry	Clancy Blair	New York University	Landhing Moran	Charles F. Mactutus	University of South Carolina
Margaret Broadwater	Linda Patia Spear	Binghamton University	Jonathan Morgan	April E. Ronca	Wake Forest University Health Sciences
Nina Burtchen	Michael M. Myers	Columbia University	Chelsea Morton	Harry N. Shair	New York State Psychiatric Institute
Julie Campbell	George F. Michel	University of North Carolina at Greensboro	Nathen Murawski	Mark E. Stanton	University of Delaware
Irina Castellanos	Robert Lickliter	Florida International University	Darshana Narayanan	Asif Ghazanfar	Princeton University
Kimberly Cuevas	Martha Ann Bell	Virginia Tech	Jordan Nechvatal	David M. Lyons	Stanford University
Anjolie Diaz	Martha Ann Bell	Virginia Tech	Eliza Nelson	George F. Michel	University of North Carolina at Chapel Hill
Sarah Dinces	Akaysha C. Tang	University of New Mexico	Kymerlee Obrien	Celia L. Moore	University of Massachusetts at Boston
Joanna Dudek	David Haley	University of Toronto	Maria Pisano	Carlos Arias Grandio	Inst. de Invest. Medica Mercedes y Martin Ferreyra
Daly Franco	Russell D. Romeo	Barnard College of Columbia University	Christina Ragan	Sonia Cavigelli	The Pennsylvania State University
Mary Goldsberry	John Freeman	University of Iowa	Vinaya Raj	Martha Ann Bell	Virginia Tech
Amy Hansen	David J. Lewkowicz	Florida Atlantic University	Megan Roberto	Michele R. Brumley	Idaho State University
Sierra Harris	Michele R. Brumley	Idaho State University	Marcos Rosetti	Robyn E. Hudson	Instituto de Investigaciones Biomedicas, UNAM
Madeline Harms	Kathleen M. Thomas	University of Minnesota	Camilla Sanders	George F. Michel	University of North Carolina at Greensboro
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Mark Hayden	Pamela S. Hunt	College of William and Mary	Damian Scarf	Harlene Hayne	University of Otago
Joshua Herrington	Robert Lickliter	Florida International University	William Schreiber	Mark Stanton	University of Delaware
Daniel Hipp	Peter Gerhardstein	Binghamton University	Misty Strain	Michele R. Brumley	Idaho State University
Amy Ho	Russell D. Romeo	Barnard College of Columbia University	Hillary Swann	Michele R. Brumley	Idaho State University
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Wendy Koss	Janice M. Juraska	University of Illinois Urbana-Champaign	Justin Varholick	April E. Ronca	University of North Carolina at Greensboro
Emily Marcinowski	George F. Michel	University of North Carolina at Greensboro	Jillian Vinal	Ruth Grunau	University of British Columbia
Lindsay Maxwell	April E. Ronca	Virginia Tech	Kristin Voegtline	Janet A. DiPietro	Johns Hopkins University
ValerieMendez-Gallardo	Scott R. Robinson	University of Iowa	Amanda Watson	Martha Ann Bell	Virginia Tech
			Brittany Yusko	Michael B. Hennessy	Wright State University

Wednesday – 11/9		Thursday – 11/10		Friday – 11/11		Saturday – 11/12	
		7:00-8:30	<b>Wiley Editorial Breakfast</b>				
		8:00-8:30	<b>Continental Breakfast</b>	8:00-8:30	<b>Continental Breakfast</b>	8:00-8:30	<b>Continental Breakfast</b>
		8:00-8:30	<b>Student/Post-doc Breakfast Chat Session</b>				
		8:30-10:30	<b>Sackler Symposium: Infant learning and memory: Age, experience, and individual differences</b> M. Heimann P. Hauf J. Herbert H. Hayne	8:30-10:30	<b>Oral Session 2: Stress systems</b>	8:30-9:45	<b>Wiley Best Student Paper</b>  <b>Wiley Distinguished Speaker - Pat Levitt</b>
		10:30-11:00	<b>Morning Break</b>	10:30-11:00	<b>Morning Break</b>	9:45-10:15	<b>Morning Break</b>
		11:00-12:45	<b>Developmental pathways of species—typical behaviour</b> S. Robinson G. Michel J. Alberts D. Lewkowicz M. Blumberg	11:00-12:30	<b>The emergence of schizophrenia in a developmental context</b> C. Corcoran D.C. Javitt M. Cazorla L. Spear	10:15-12:00	<b>Sex-specific effects of perinatal stress on brain development: Resilience and interventions</b> K. Braun T. Bredy T. Roth S. Brummelte
		12:45-1:30 12:45-2:15	<b>Federal Funding Session Board Meeting with Past Presidents</b>	12:30-2:00	<b>Mid-Day Break Meet the Professors Lunch</b>	12:00-12:45	<b>Best Poster Award Business Meeting – ALL INVITED</b>
		2:15-3:45	<b>Oral Session 1: Post-natal influences on behaviour and physiology</b>	2:00-4:00	<b>Oral Session 3: Attention, learning and memory</b>		
		3:45-4:15	<b>Afternoon Break</b>	4:00-4:30	<b>Afternoon Break</b>		
4:30-7:30	<b>Registration</b> National Ballroom Foyer	4:15-5:15	<b>Awards Symposium</b> Dissertation Award Sandra G. Wiener Award	4:30-5:30	<b>Presidential Address</b> Effects of early experience: A time, a process, a place Michael Myers		
		5:15-7:15	<b>Poster Session 1</b> Monticello Ballroom	5:30-7:30	<b>Poster Session 2</b> Monticello Ballroom		
7:30-8:40	<b>Opening Remarks</b> Michael Myers <b>Past Presidents</b> K. Noble M. Rowe M. Sheridan			8:00-10:00	<b>Student Social</b>		
8:40-10:00	<b>Welcome Reception</b>						