

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
PROGRAM SCHEDULE**

Sunday July 18, 2010

12:00 - 6:00 p.m. **Registration**
Location: Toronto I Foyer

1:00 - 4:30 p.m. **PRE-MEETING WORKSHOP:
METHODS IN EPIGENETIC RESEARCH**
Location: Toronto I Ballroom

1:00 p.m. **W01 THE BASICS OF EPIGENETICS AND BEHAVIOR**
Emilie F Rissman, University of Virginia

1:30 p.m. **W02 METHODS TO ASSAY DYNAMIC HISTONE MODIFICATION IN
ACTIVATED GENE EXPRESSION IN HUMAN CELLS**
Melissa A Henriksen, University of Virginia

2:00 p.m. **W03 EXPLORING THE DNA METHYLOME**
Jessica Connelly, University of Virginia

2:30 p.m. **W04 ANALYSIS OF EPIGENOMIC DATA**
Stefan Bekiranov, University of Virginia

3:00 p.m. **Break**
Location: Ballroom Foyer

3:30 p.m. **SMALL GROUP DISCUSSIONS**

5:00 - 8:00 p.m. **OPENING RECEPTION**
Location: Hart House, on University of Toronto campus

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
PROGRAM SCHEDULE**

Monday July 19, 2010

7:00 a.m. - 6:00 p.m. Registration

Location: Toronto I Foyer

7:30 - 8:30 a.m. Continental Breakfast

Location: Ballroom Foyer

8:15 - 8:30 a.m. Welcome and Opening Remarks

Gregory F Ball & Members of the Local Organizing Committee

Location: Toronto I/II Ballroom

8:30 - 10:40 a.m. SYMPOSIUM 1:

YOU ARE WHAT YOUR PARENTS EAT: INHERITABLE ADAPTATION

Location: Toronto I/II Ballroom

8:30 - 8:40 a.m.

Introduction

Jun Xu, Tufts University

8:40 - 9:05 a.m.

S01

FRACTAL AND TRANSGENERATIONAL GENETIC EFFECTS ON PHENOTYPIC VARIATION AND DISEASE RISK

Joseph Nadeau, Case Western Reserve University

9:10 - 9:35 a.m.

S02

HISTONE METHYLATION/DEMETHYLATION IN MENTAL RETARDATION

Yang Shi, Harvard Medical School

9:40 - 10:05 a.m.

S03

INCOMPLETE DOSAGE COMPENSATION OF THE X CHROMOSOME DUE TO EPIGENETIC MODIFICATIONS RESULTS IN SEX-SPECIFIC DIFFERENCES IN GENE EXPRESSION IN CERTAIN TISSUES

Christine M Disteche, Di Kim Nguyen, Fan Yang, Xinxian Deng, University of Washington

10:10 - 10:35 a.m.

S04

EPIGENETIC TRANSGENERATIONAL ACTIONS OF ENDOCRINE DISRUPTORS ON REPRODUCTION AND DISEASE: ENVIRONMENTAL GHOSTS IN YOUR GENOME

Michael K Skinner, Washington State University

10:40 - 10:55 a.m. Break

Location: Ballroom Foyer

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
PROGRAM SCHEDULE**

11:00 - 11:55 a.m. KEYNOTE ADDRESS

Location: Toronto I/II Ballroom

K01 STRESS AND CYTOKINES: A DOUBLE WHAMMY FOR DEPRESSION

Hymie Anisman, Carleton University

12:00 - 1:20 p.m. Lunch on your own

**1:30 - 3:40 p.m. SYMPOSIUM 2:
YOUNG INVESTIGATORS SYMPOSIUM**

Location: Toronto I/II Ballroom

1:30 - 1:40 p.m.

Introduction

Diane M Witt, National Science Foundation

Catherine S Woolley, Northwestern University

1:40 - 1:55 p.m.

S05 INTEGRATION OF CHEMOSENSORY AND STEROID HORMONE CUES WITHIN THE MEDIAL AMYGDALA

Pamela Maras, Aras Petrulis, Georgia State University

2:00 - 2:15 p.m.

S06 A SPECIES-SPECIFIC CATECHOLAMINERGIC NETWORK IN THE BRAIN OF THE SOCIALLY MONOGAMOUS PRAIRIE VOLE

Katharine Northcutt, Joseph Lonstein, Michigan State University

2:20 - 2:35 p.m.

S07 REWARDING EXPERIENCES DIFFERENTIALLY ALTER STRUCTURAL PLASTICITY IN THE HIPPOCAMPUS

Erica R Glasper, Elizabeth Gould, Princeton University

2:40 - 2:55 p.m.

S08 EFFECTS OF PERINATAL SSRI EXPOSURE ON OFFSPRING CORTISOL, CORTICOSTEROID BINDING GLOBULIN, AND NEURODEVELOPMENT: EVIDENCE FROM HUMANS AND RODENT MODELS

Jodi L Pawluski^{1,2}, Tim F Oberlander¹, ¹University of British Columbia, ²Maastricht University

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
PROGRAM SCHEDULE**

- | | | |
|-------------------------|-------------------------|---|
| 3:00 - 3:15 p.m. | S09 | SEXUALLY-DIMORPHIC RELATIONSHIPS BETWEEN STEROIDS AND DOMINANCE IN HUMANS: EVIDENCE FROM POLITICS, NEUROIMAGING, AND DOMINANCE COMPETITION
Steven J Stanton ¹ , Oliver C Schultheiss ² , Kevin S LaBar ¹ ,
<i>¹Duke University, ²Friedrich-Alexander University</i> |
| 3:20 - 3:35 p.m. | S10 | UNDERSTANDING REPRODUCTIVE DECISION MAKING: ASSESSING HORMONE AND CATECHOLAMINE-INDUCED PLASTICITY IN SENSORY-BASED BIASES
Kathleen Lynch, <i>Johns Hopkins University</i> |
| 3:40 - 3:55 p.m. | Break | <i>Location: Ballroom Foyer</i> |
| 4:00 - 6:00 p.m. | POSTER SESSION 1 | <i>Location: Toronto III Ballroom</i> |

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
PROGRAM SCHEDULE**

Tuesday July 20, 2010

7:00 a.m. - 6:00 p.m. Registration

Location: Toronto I Foyer

7:30 - 8:30 a.m. Continental Breakfast

Location: Ballroom Foyer

**8:30 - 10:40 a.m. SYMPOSIUM 3: PRESIDENTIAL SYMPOSIUM
HOW DOES THE PERCEPTION OR EXPERIENCE OF BEHAVIOR MODULATE
ENDOCRINE PHYSIOLOGY?**

Location: Toronto I/II Ballroom

8:30 - 8:40 a.m.

Introduction

Gregory F Ball, Johns Hopkins University

8:40 - 9:05 a.m.

S11

**ANDROGEN RESPONSIVENESS TO SOCIAL STIMULI DURING
DEVELOPMENT AND ADULTHOOD: EFFECTS ON AND
CORRELATIONS WITH FUTURE SOCIAL BEHAVIOR**

Catherine A Marler, University of Wisconsin-Madison

9:10 - 9:35 a.m.

S12

**FIGHTING FISH BLUES: HOW DOES SOCIAL INFORMATION
INFLUENCE HORMONES, GENE EXPRESSION AND SOCIAL
BEHAVIOR?**

Rui F Oliveira, ISPA

9:40 - 10:05 a.m.

S13

**THE RECIPROCAL INTERACTIONS OF HORMONES AND
SOCIAL SIGNALS IN ANURAN AMPHIBIANS**

Walter Wilczynski, Georgia State University

10:10 - 10:35 a.m.

S14

**THE ROLE OF VOCAL SELF-STIMULATION IN BREEDING
SUCCESS**

Mei-Fang Cheng, Rutgers University

10:40 - 10:55 a.m.

Break

Location: Ballroom Foyer

11:00 - 11:55 a.m.

KEYNOTE ADDRESS

Location: Toronto I/II Ballroom

K02

PLASTIC BEE BRAINS

Susan Fahrbach, Wake Forest University

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
PROGRAM SCHEDULE**

- 12:00 - 1:20 p.m.** **Meet-the-Professor lunches OR Lunch on your own**
- 1:30 - 3:40 p.m.** **SYMPOSIUM 4:
ESTRADIOL- A NEW ROLE IN AUDITORY PROCESSING RELATED TO
SOCIAL BEHAVIORS**
Location: Toronto I/II Ballroom
- 1:30 - 1:40 p.m.** **Introduction**
Anne Marie Wissman, Northwestern University
- 1:40 - 2:05 p.m.** **S15 ACUTE STEROID FLUCTUATIONS AND ACTIONS WITHIN THE
SONGBIRD AUDITORY FOREBRAIN**
Luke Ramage-Healey, Barney A Schlinger, UCLA
- 2:10 - 2:35 p.m.** **S16 BRAIN-GENERATED ESTROGEN ENHANCES THE
EFFECTIVENESS OF THE NEURAL CODING OF AUDITORY
SIGNALS**
Raphael Pinaud, University of Rochester
- 2:40 - 3:05 p.m.** **S17 ESTROGEN, AUDITORY PERCEPTION AND SINGLE NEURON
TUNING IN FEMALE SONGBIRDS**
Sarah M N Woolley, Columbia University
- 3:10 - 3:35 p.m.** **S18 WHY THE SONG GETS SWEETER IN THE SPRING: THE
LISTENER'S BRAIN ON STEROIDS**
Donna Maney, Emory University
- 3:40 - 3:55 p.m.** **Break**
Location: Ballroom Foyer
- 4:00 - 6:00 p.m.** **POSTER SESSION 2**
Location: Toronto III Ballroom
- 6:30 - 8:30 p.m.** **EDUCATION WORKSHOP:
FROM FELLOWSHIPS TO YOUR FIRST GRANT PROPOSAL: THE
EVOLVING NIH AND NSF**
Location: Toronto I/II Ballroom
- 6:30 - 7:00 p.m.** **Pizza Dinner (trainees only)**

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
PROGRAM SCHEDULE**

Presentations (all welcome)

7:00 - 7:30 p.m. Michael Selmanoff, *National Institutes of Health*

7:30 - 8:00 p.m. Diane M Witt, *National Science Foundation*

Discussion (all welcome)

8:00 - 8:30 p.m. Moderated by Gregory F Ball, *Johns Hopkins University*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
PROGRAM SCHEDULE**

Wednesday July 21, 2010

7:00 a.m. - 6:00 p.m. Registration

Location: Toronto I Foyer

7:30 - 8:30 a.m. Continental Breakfast

Location: Ballroom Foyer

**8:30 - 10:40 a.m. SYMPOSIUM 5:
MATING-INDUCED CONTROL OF FEMALE NEUROENDOCRINE AND
BEHAVIORAL FUNCTIONS: A TRIBUTE TO MARY S. ERKSINE**

Location: Toronto I/II Ballroom

8:30 - 8:40 a.m.

Introduction

Michael Baum, Boston University

8:40 - 9:15 a.m.

S19

**LONG-TERM BEHAVIOURAL CONSEQUENCES OF THE
MATING-INDUCED SURGES OF PROLACTIN DURING EARLY
PREGNANCY**

David R Grattan, Caroline M Larsen, University of Otago

9:20 - 9:55 a.m.

S20

**EFFECTS OF MATERNAL CARE ON PACED MATING
BEHAVIOR AND REPRODUCTIVE SUCCESS OF FEMALE RATS**

*Nicole M Cameron¹, Michael J Meaney², ¹Binghamton
University, ²McGill University*

10:00 - 10:35 a.m.

S21

THE NEUROBIOLOGY OF SEXUAL REWARD

Raúl G Paredes, Instituto de Neurobiología

10:40 - 10:55 a.m.

Break

Location: Ballroom Foyer

11:00 - 11:55 a.m.

ELSEVIER KEYNOTE ADDRESS:

Location: Toronto I/II Ballroom

K03

OPTOGENETIC CONTROL OF AROUSAL

Luis de Lecea, Stanford University

12:00 - 1:20 p.m.

Meet-the-Professor lunches OR Lunch on your own

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
PROGRAM SCHEDULE**

- 1:30 - 3:40 p.m.** **SYMPOSIUM 6:
FEMALE REPRODUCTIVE HEALTH AND BIOLOGICAL RHYTHMS**
Location: Toronto I/II Ballroom
- 1:30 - 1:40 p.m.** **Introduction**
Megan Mahoney, University of Illinois, Urbana-Champaign
- 1:40 - 2:05 p.m.** **S22 THE ROLE OF ENDOGENOUS CLOCKS IN GNRH SURGE
SECRETION**
Patrick E Chappell, Karen J Tonsfeldt, Ian F Hilgart, Briana J Knight, Kristin L Latham, Cheri P Goodall, Oregon State University
- 2:10 - 2:35 p.m.** **S23 MODULATION OF SLEEP AND RESPONSE TO SLEEP LOSS BY
OVARIAN HORMONES IN RATS**
Kazue Semba, Dalhousie University
- 2:40 - 3:05 p.m.** **S24 BIOLOGICAL RHYTHMS IN DEPRESSIVE DISORDERS DURING
WOMEN'S REPRODUCTIVE CYCLE**
Barbara L Parry, Charles J Meliska, Diane L Sorenson, Ana M Lopez, Luis F Martinez, Richard L Hauger, Daniel F Kripke, University of California, San Diego
- 3:10 - 3:35 p.m.** **S25 BREAST CANCER AND SHIFT WORK: ROLE OF CIRCADIAN
DISRUPTION**
Richard G Stevens, University of Connecticut Health Center
- 3:40 - 3:55 p.m.** **Break**
Location: Ballroom Foyer
- 4:00 - 6:00 p.m.** **POSTER SESSION 3**
Location: Toronto III Ballroom
- 7:00 - 10:00 p.m.** **MEETING BANQUET**
Location: Toronto I/II Ballroom
Presentation of Poster Awards
Presentation of the Daniel S Lehrman Lifetime Achievement Award

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

4:00 – 6:00 pm, Monday July 19, 2010: POSTER SESSION 1

P1.01 ANDROGENS AND PLASTICITY OF DENDRITIC SPINES IN THE MEDIAL PREOPTIC AREA OF ADULT SYRIAN HAMSTER

Su H. Park, Jennifer Swann, *Biological Sciences, Lehigh University, Bethlehem, PA*

P1.02 A BIOLOGICAL BASIS FOR STATUS COMPETITION IN HUMAN FEMALES

Martin A Sharp¹, Emad A.S. Al-Dujaili², ¹*Glasgow Caledonian University*, ²*Queen Margaret University*

P1.03 ACTIVATION OF THE GPR30 RECEPTOR SELECTIVELY ENHANCES SEX BEHAVIOR IN FEMALE MICE

Abhay Sharma¹, Kazuhiro Sano², Sonoko Ogawa², Nandini Vasudevan³, ¹*University of Pennsylvania, Philadelphia, PA USA 19104*, ²*Kansei Behavioral and Brain Sciences Program, University of Tsukuba, Tsukuba, Ibaraki, Japan 305-8577*, ³*Cell and Molecular Biology, Tulane University, New Orleans, LA*

P1.04 ANABOLIC ANDROGENIC STEROIDS EFFECT ANXIETY BY CORTICOTROPIN RELEASING FACTOR MODULATION OF GABA-A RECEPTOR SIGNALING IN THE EXTENDED AMYGDALA OF ADOLESCENT FEMALE MICE

Joseph G Oberlander, Leslie P Henderson, *Department of Physiology & Neurobiology, Dartmouth Medical School, Hanover, NH*

P1.05 AROMATASE EXPRESSION IN THE GREEN ANOLE LIZARD BRAIN: SEXUAL DIMORPHISM AND CO-LOCALIZATION WITH ANDROGEN RECEPTOR

Rachel E Cohen, Juli Wade, *Michigan State University*

P1.06 ANTAGONISM OF ESTROGEN RECEPTORS 44 HOURS AFTER ESTRADIOL PRIMING FACILITATES SEXUAL RECEPTIVITY

Bertha L Garcia¹, Asma Mana², Kevin Sinchak², ¹*Psychology*, ²*Biological Sciences, California State University, Long Beach, Long Beach, CA*

P1.07 BEHAVIOURAL, ENDOCRINE, AND CREB RESPONSES TO AMPHETAMINE IN PRE- AND POST-PUBERTAL ADOLESCENTS AND ADULT MALE RATS

Iva Z. Mathews¹, Christina H. Mychaskiw², Cheryl M. McCormick¹, ¹*Psychology, Brock University, St. Catharines, ON. Canada*, ²*Biology, Brock University, St. Catharines, ON. Canada*

P1.08 C-FOS IDENTIFICATION OF NEUROANATOMICAL SITES ASSOCIATED WITH HALOPERIDOL AND CLOZAPINE DISRUPTION OF MATERNAL BEHAVIOR IN THE RAT

Ming Li, Changjiu Zhao, *University of Nebraska-Lincoln*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

- P1.09 ASSESSING THE ROLE OF ANDROGEN RECEPTOR IN MOUSE SOCIAL RECOGNITION**
Lucia D Tejada, Emilie F Rissman, *University of Virginia*
- P1.10 CLITORAL STIMULATION INDUCES CONDITIONED PARTNER PREFERENCE IN THE RAT**
Mayte Parada, Farah Abdul Ahad, Sabrina Censi, James G. Pfaus, *Concordia University*
- P1.11 DISTINCT VASOPRESSIN INNERVATION PATTERNS IN THE DIENCEPHALON OF THE MOUSE**
Benjamin D Rood, Geert J de Vries, *Neuroscience and Behavior, University of Massachusetts, Amherst, MA*
- P1.12 EARLY NUTRITIONAL STRESS IMPAIRS SONG PRODUCTION AND SPATIAL COGNITION IN EUROPEAN STARLINGS (STURNUS VULGARIS)**
Tara M Farrell¹, Katelyn Weaver², Yong Seok An², Scott A MacDougall-Shackleton¹,
¹*Psychology, University Western Ontario, London, ON, Canada*, ²*Biology, University Western Ontario, London, ON, Canada*
- P1.13 BISPHENOL-A, IT'S BAD FOR YOUR OVARIES BUT WHAT ABOUT YOUR BRAIN?**
Heather B Adewale, Heather B Patisaul, *NC State University*
- P1.14 NEUROPLASTIC EFFECTS OF MUSICAL TRAINING ON HIPPOCAMPAL STRUCTURE IN CHILDREN WITH CONGENITAL HYPOTHYROIDISM**
Karen A Willoughby, Benjamin R Zendel, Joanne F Rovet, *Psychology, University of Toronto, Canada*
- P1.15 EFFECTS OF ESTRADIOL ON SPONTANEOUS SLEEP AND SLEEP RECOVERY AFTER SLEEP DEPRIVATION IN CASTRATED MALE RATS**
Erik Wibowo, Samuel Deurveilher, Richard J Wassersug, Kazue Semba, *Department of Anatomy and Neurobiology, Dalhousie University, Halifax, Nova Scotia, Canada*
- P1.16 EFFECTS OF OXYTOCIN IN THE NUCLEUS ACCUMBENS ON MATERNAL MEMORY IN POSTPARTUM RATS**
Tracey M. D'Cunha¹, Samantha J. King¹, Alison S. Fleming¹, Frederic Lévy², ¹*Department of Psychology, University of Toronto Mississauga, Mississauga, Ontario, Canada*,
²*Laboratoire de Comportement Animal, INRA/CNRS URA 1291, Nouzilly, France*
- P1.17 CHRONIC PAROXETINE TREATMENT CAUSES NORMAL PACED MATING BEHAVIOR IN FEMALE RATS AND 5-HT_{1A} RECEPTOR DESENSITIZATION**
Eelke MS Snoeren, Louise K Refsgaard, Berend Olivier, Ronald S Oosting, *dept. psychopharmacology, Utrecht University, Utrecht, The Netherlands*
- P1.18 EMBRYONIC MODULATION OF YOLK STEROIDS IN EUROPEAN STARLINGS**
Ryan T Paitz, Rachel M Bowden, Joseph M Casto, *Illinois State University*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P1.19 EVALUATION OF BUPROPION TREATMENT ON MALE RAT SEXUAL BEHAVIOR AND EJACULATORY RESPONSE

Gabriela Rodriguez-Manzo¹, Maria Eugenia Hueletl-Soto¹, Miguel Carro-Juarez²,
¹*Pharmacobiology, Cinvestav-Sede Sur, Mexico City, Mexico*, ²*Lab. Comportamiento Reproductivo, UAT, Tlaxcala 90000, Mexico*

P1.20 GIRLS GONE MILD: PATTERNS OF FIDELITY AND NEUROPEPTIDE RECEPTOR EXPRESSION IN FEMALE PRAIRIE VOLES

Da-Jiang Zheng¹, Britta Larsson¹, Steven M Phelps², Alexander G Ophir¹, ¹*Oklahoma State University*, ²*University of Florida*

P1.21 CO-VARIATION BETWEEN BRAINS AND BEHAVIOR: EVOLUTIONARY IMPLICATIONS OF INDIVIDUAL AND SEX DIFFERENCES

Kimberly A Rosvall¹, James L Goodson¹, Dale Sengelaub², Ellen D Ketterson¹,
¹*Department of Biology, Indiana University, Bloomington, IN*, ²*Department of Psychological & Brain Sciences, Indiana University, Bloomington, IN*

P1.22 IMPACT OF MATERNAL MILD HYPERGLYCEMIA ON RAT PREGNANCY OUTCOMES AND OFFSPRING DEVELOPMENT

Ana Cl Kiss¹, Débora C Damasceno¹, Barbara Woodside², ¹*Laboratory of Experimental Research of Gynecology and Obstetrics, Sao Paulo State University, Brazil*, ²*CSBN, Concordia University, Canada*

P1.23 INSULIN-LIKE GROWTH FACTOR-1 MEDIATES THE ABILITY OF TRANSIENT EXPOSURE TO ESTRADIOL TO EXERT LASTING ENHANCEMENTS ON COGNITION IN OVARECTOMIZED RATS

Christine M Faust¹, Layne P Gardella¹, Maria C Perez¹, Jill M Daniel², ¹*Neuroscience Program, Tulane University, New Orleans, LA*, ²*Neuroscience Program, Psychology Department, Tulane University, New Orleans, LA*

P1.24 MAINTENANCE OF THE SNB NEUROMUSCULAR SYSTEM IS NOT INFLUENCED BY PHYSIOLOGICAL LEVELS OF CORTICOSTERONE

Lee Niel¹, Philip Alves¹, Matthew B Lovern², Natalia Pinzon¹, Douglas A Monks¹,
¹*Psychology, University of Toronto, Mississauga, ON, Canada*, ²*Zoology, Oklahoma State University, Stillwater, OK*

P1.25 DECIPHERING THE SOCIAL INTERACTOME: SEX STEROID RECEPTORS MODULATE SOCIAL NETWORKS, BEHAVIOR AND PREOPTIC GENE EXPRESSION IN A CICHLID FISH

Lauren A Munchrath¹, Hans A Hofmann², ¹*Institute for Cellular and Molecular Biology*,
²*Section of Integrative Biology, University of Texas, Austin*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P1.26 MOTIVATION TO OBTAIN HIGHLY PALATABLE FOOD IS ENHANCED BY GHRELIN IN THE VENTRAL TEGMENTAL AREA

Samantha J King, Albert M Isaacs, Alfonso Abizaid, *Institute of Neuroscience, Carleton University, Ottawa, Ontario, Canada*

P1.27 NON-INVASIVE MEASUREMENT OF STEROID HORMONES IN ZEBRAFISH HOLDING WATER

Ana S. Félix¹, Eduarda M. Cabral¹, Rui F. Oliveira^{1,2}, ¹*Ethology Research Unit, ISPA – Instituto Universitário, Lisboa, Portugal*, ²*Champalimaud Neuroscience Programme, Instituto Gulbenkian de Ciência, Oeiras, Portugal*

P1.28 OVEREXPRESSION OF ANDROGEN RECEPTOR IN MUSCLE REDUCES FAT MASS AND PROMOTES HYPERMETABOLISM THROUGH MODULATION OF MITOCHONDRIA

Shannon M Fernando¹, Mutaz Musa¹, Diptendu Chatterjee², D. Ashley Monks², ¹*Institute of Medical Science, University of Toronto, Toronto, ON, Canada*, ²*Department of Psychology, University of Toronto at Mississauga, Mississauga, ON, Canada*

P1.29 DOPAMINERGIC REGULATION OF COURTSHIP AND PAIRING BEHAVIORS IN MALE AND FEMALE ZEBRA FINCHES

Erin M Lowrey, Michelle Tomaszycski, *Behavioral and Cognitive Neuroscience, Psychology, Wayne State University*

P1.30 PHOTOPERIOD AND FEED RESTRICTION INTERACT ON THE REPRODUCTIVE AXIS OF FEMALE CALIFORNIA MICE

Michael Q. Steinman¹, James C. Dooley², Brian C. Trainor³, ¹*MCIP, Psychology, UC Davis*, ²*Neuroscience, UC Davis*, ³*Psychology, UC Davis*

P1.31 PRENATAL DEXAMETHASONE TREATMENT INCREASES APOPTOSIS IN SELECT SUBREGIONS OF THE NEONATAL RAT AMYGDALA

Damian G Zuloaga, David L Carbone, Robert J Handa, *University of Arizona College of Medicine-Phoenix*

P1.32 REAL-TIME DOPAMINE TRANSMISSION DYNAMICS IN PRAIRIE VOLE BRAIN SLICES

Anna Brock¹, Shanna L Harkey¹, Francis Maina², Tiffany A Mathews², Brandon J Aragona¹, ¹*University of Michigan*, ²*Wayne State University*

P1.33 DRUGS THAT STIMULATE OXYTOCIN RELEASE PROMOTE SOCIAL BONDING IN THE PRAIRIE VOLE

Meera E Modi, Larry J Young, *Department of Psychiatry, Emory University, Atlanta, GA*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P1.34 RESPONSE OF PREFRONTAL CORTEX TO EMOTIONAL INFANT STIMULI IS RELATED TO QUALITY OF EARLY EXPERIENCE REPORTED BY POSTPARTUM MOTHERS

Kathleen E Wonch¹, Jennifer Barrett¹, Geoff BC Hall², Andrea Gonzalez², Nida Ali³, Meir Steiner², Alison S Fleming¹, ¹*University of Toronto*, ²*McMasterUniversity*, ³*McGill University*

P1.35 SEX AND DECISION MAKING: THE NEURAL AND MOLECULAR BASIS OF FEMALE MATE CHOICE

Michael R Kidd, Lauren A Munchrath, Rayna M Harris, Callison Alcott, Dagan Lavee, Jacqueline Ma, Devon Sepeda, Hans A Hofmann, *The University of Texas at Austin*

P1.36 SOCIAL INSTABILITY IN ADOLESCENCE, NOT IN ADULTHOOD, LEADS TO LASTING DEFICITS IN CONTEXT AND CUED FEAR CONDITIONING IN MALE RATS

Mark D Morrissey, Cheryl M McCormick, *Psychology, Brock University, St Catharines, ON CANADA*

P1.37 EFFECT OF PRENATAL STRESS AND POSTNATAL ENVIRONMENTAL ENRICHMENT ON SEIZURE SUSCEPTIBILITY IN THE NEWBORN RAT

Amanda D Green¹, Michael J Esser², Tara S Perrot-Sinal¹, ¹*Department of Psychology, Dalhousie University, Halifax, NS, Canada*, ²*Departments of Pediatrics and Pharmacology, IWK Health Centre / Dalhousie University, Halifax, NS*

P1.38 SONG AND DOMINANCE STATUS RELATE TO DOPAMINE ACTIVITY IN THE LATERAL SEPTUM AND BED NUCLEUS OF THE STRIA TERMINALIS IN MALE EUROPEAN STARLINGS

Cynthia A. Kelm, Lauren V. Ritters, *Department of Zoology, University of Wisconsin-Madison, Madison, WI*

P1.39 TEST OF PERSONALITY: INTO THE HEAD OF BOLD AND SHY THREE-SPINED STICKLEBACKS

Carole Di Poi, Nadia Aubin-Horth, *Biology Department and Institute for Integrative and Systems Biology, Laval University, Québec City*

P1.40 THE MEDIAL PREOPTIC NUCLEUS REGULATES SONG STRUCTURE IN MALE STARLINGS

Sarah J Alger, Lauren V Ritters, *University of Wisconsin - Madison*

P1.41 FOOD RESTRICTION ALTERS APPETITIVE SEX AND INGESTIVE BEHAVIORS BUT NOT CONSUMMATORY BEHAVIORS NOR NEURAL ACTIVATION IN THE VENTROMEDIAL NUCLEUS OF THE HYPOTHALAMUS AND NUCLEUS ACCUMBENS

Candice M Klingerman¹, Anand Patel¹, Valerie L Hedges², Robert L Meisel², Jill E Schneider¹, ¹*Department of Biological Sciences, Lehigh University, Bethlehem, PA*, ²*Department of Neuroscience, Minneapolis, MN*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P1.42 VARIATION IN EARLY PARENTAL CARE ALTERS ADULT SOCIAL BEHAVIOR AND S1 REPRESENTATION IN THE PRAIRIE VOLE (MICROTUS OCHROGASTER)

Allison M Perkeybile¹, Luana Griffin¹, Adele M.H. Seelke², Leah Krubitzer^{1,2}, Karen L. Bales¹, ¹*Department of Psychology, University of California-Davis, Davis, CA*, ²*Center for Neuroscience, University of California-Davis, Davis, CA*

P1.43 A CRE-LOX CONDITIONAL MOUSE MODEL OF KENNEDY DISEASE/SPINOBULBAR MUSCULAR ATROPHY

Pengcheng Rao, Marijana Stagljar, D. Ashley Monks, *Psychology, UTM, Mississauga, ON, Canada*

P1.44 ACUTE TREATMENT WITH THE PHYTOESTROGEN GENISTEIN MIMICS ESTRADIOL-INDUCED SHIFTS IN PLACE AND RESPONSE LEARNING

Samantha L Pisani¹, Daniel R Doerge², William G Helferich³, Steven L Neese⁴, Susan L Schantz⁴, Donna L Korol¹, ¹*Neurosci. Program, University of Illinois, Champaign-Urbana, IL*, ²*Ntnl Center Tox Res, USDA, Jefferson, AR*, ³*Dept. Food Sci Human Nutr., University of Illinois, Champaign-Urbana, IL*, ⁴*Dept. Vet. Biosci., University of Illinois, Champaign-Urbana, IL*

P1.45 GENETICS MODULATE THE EFFECTS OF CORTICOSTERONE ON NEUROGENESIS

Georgia E Hodes, Olivier Berton, Irwin Lucki, *Department of Psychiatry, University of Pennsylvania, Philadelphia, PA*

P1.46 ANATOMICAL LOCALIZATION OF THE IMMEDIATE EARLY GENE ZENK WITHIN GONADOTROPIN-RELEASING HORMONE-1 NEURONS IS DEPENDENT ON THE SOCIAL ENVIRONMENT IN CANARIES

Tyler Stevenson, Katherine Peng, Gregory Ball, *Johns Hopkins University*

P1.47 ATTRACTION TO RABBIT PUPS BEGINS IN MID-GESTATION

Rosario Chirino, *CINVESTAV*

P1.48 BISPHENOL A AFFECTS GERMLINE TRANSMISSION OF ALTERED SOCIAL AND ANXIETY-RELATED BEHAVIORS IN MICE

Jennifer T. Wolstenholme¹, Michelle Edwards¹, Kimberly H. Cox², Jessica J. Connelly³, Emilie F. Rissman², ¹*Biochemistry and Molecular Genetics, University of Virginia*, ²*Biochemistry and Molecular Genetics, Neuroscience Graduate Program, University of Virginia*, ³*Cardiovascular Medicine, University of Virginia*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P1.49 GHRELIN MEDIATES VULNERABILITY TO STRESS INDUCED METABOLIC AND HORMONAL DYSFUNCTIONS

Zack R. Patterson¹, Rim Khazall¹, Mark Sleeman², Hymie Anisman¹, Alfonso B. Abizaid¹,
¹*Institute of Neuroscience, Carleton University, Ottawa, ON,* ²*Regeneron Pharmaceuticals, Tarrytown, New York*

P1.50 CHARACTERIZATION OF ENTRAINMENT AND CIRCADIAN RHYTHM PARAMETERS IN ESTROGEN RECEPTOR KNOCK-OUT (ERKO) AND NON-CLASSICAL ESTROGEN RECEPTOR KNOCK-IN (NERKI) MICE

Margaret S Blattner, Megan M Mahoney, *Neuroscience Program, University of Illinois, Urbana, Illinois*

P1.51 COPING BEHAVIOR AND GLUCOCORTICOID RESPONSES TO SOCIAL STRESS IN MALE AND FEMALE CALIFORNIA MICE

Veronica N. Orr, Andrea L. Silva, Nicholas W. Knoblauch, Michael Q. Steinman, Brian C. Trainor, *Department of Psychology and Molecular, Cellular, and Integrative Physiology Graduate Group*

P1.52 DOES VARIATION IN THE CHALLENGE RESPONSE FACILITATE SPECIATION?

Peter D. Dijkstra¹, Machteld N. Verzijden², Neil B. Metcalfe³, Hans A. Hofmann¹, ¹*Section of Integrative Biology, The University of Texas at Austin,* ²*Section for Animal Ecology, Lund University, Sweden,* ³*Department of Ecology and Evolutionary Biology, University of Glasgow, UK*

P1.53 HORMONAL BIRTH CONTROL AFFECTS WOMEN'S FACE SHAPE AND PERCEIVED ATTRACTIVENESS

Naïanka M Rigaud, Louise M Freeman, *Mary Baldwin College*

P1.54 EFFECT OF DOSE AND TIME INTERVAL ON ESTRADIOL-INDUCED FEMALE SEXUAL BEHAVIOR IN THE RAT

Sherri L. Jones, Sara Farrell, James G. Pfaus, *CSBN/Psychology, Concordia University, Montréal, QC, Canada*

P1.55 EFFECTS OF CHRONIC SOCIAL STRESS DURING LACTATION ON MATERNAL RATS AND PUPS

Benjamin C. Nephew, Robert S. Bridges, *Tufts University Cummings School of Veterinary Medicine*

P1.56 EFFECTS OF HORMONAL CONTRACEPTIVE USE AND BASELINE TESTOSTERONE LEVELS ON TESTOSTERONE RESPONSES TO SEXUAL THOUGHTS

Katherine L. Siciliano, Sari M. van Anders, *Department of Psychology, University of Michigan, Ann Arbor, MI*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

- P1.57 IDENTIFICATION, LOCALIZATION AND FUNCTIONAL IMPLICATION OF 26RFA ORTHOLOG PEPTIDE IN THE BRAIN OF ZEBRA FINCH (TAENIOPYGIA GUTTATA)**
Yasuko Tobar¹, Norio Iijima¹, Kenta Tsunekawa², Tomohiro Osugi², Kazuyoshi Ukena³, Kazuo Okanoya⁴, Kazuyoshi Tsutsui², Hitoshi Ozawa¹, ¹*Nippon Medical School*, ²*Waseda University*, ³*Hiroshima University*, ⁴*RIKEN-BSI*
- P1.58 EFFECTS OF POST-ACQUISITION ESTRADIOL BENZOATE ON A SOCIALLY TRANSMITTED FOOD PREFERENCE IN OVARECTOMIZED CD1 MICE**
Amy E Clipperton Allen¹, Ian Flaxey¹, Hailey K Webster², Corina Nediu-Mihalache¹, Elena Choleris¹, ¹*Dept Psychology, University of Guelph, Guelph, Ontario, Canada*, ²*Dept Biol Sci, University of Guelph, Guelph, Ontario, Canada*
- P1.59 ENERGETIC CHALLENGES UNMASK THE ROLE OF OVARIAN HORMONES IN ORCHESTRATING THE APPETITIVE INGESTIVE AND SEX BEHAVIORS, FOOD HOARDING AND PARACOPULATORY BEHAVIORS**
Jill E. Schneider, Candice M. Klingerman, Kaila Krishnamoorthy, Kevin Patel, Christopher Struby, Andrew B. Spiro, *Department of Biological Sciences, Lehigh University, Bethlehem*
- P1.60 EVOLUTION OF MORPHOLOGICAL STRUCTURES ASSOCIATED WITH COPULATORY BEHAVIOR IN ANOLIS LIZARDS**
Maria V Lopez¹, Tara K Whittle¹, Juli Wade², Michele A Johnson¹, ¹*Trinity University, Department of Biology, San Antonio, Texas*, ²*Michigan State University, Departments of Psychology and Zoology, Neuroscience Program, East Lansing, Michigan*
- P1.61 INTRACEREBRAL ESTROGEN PROVISION INCREASES NEUROGENESIS IN THE INJURED ZEBRA FINCH BRAIN**
Bradley J. Walters¹, Nikita G. Alexiades¹, Colin J. Saldanha², ¹*Biological Sciences, Lehigh University, Bethlehem, PA*, ²*Biological Sciences and Program in Cognitive Sciences, Lehigh University, Bethlehem, PA*
- P1.62 GLUTAMATE IN THE PARVOCELLULAR SUBPARAFASCICULAR THALAMIC NUCLEUS REGULATES SEXUAL BEHAVIOR IN MALE RATS**
Natalie A Kozyrev, Karla S Frohmader, Lique M Coolen, *Anatomy and Cell Biology, University of Western Ontario*
- P1.63 IMPAIRED SOCIAL LEARNING IN SOCIALLY DEPRIVED MALE RATS**
Elena Choleris¹, Roberta Marni², Manila Loi², Anna Garau², Giuseppina M Pisu³, Riccardo Dore², Martin Kavaliers⁴, Mariangela Serra^{2,3}, ¹*Dept Psychology, Univ Guelph, ON, Canada*, ²*Dept Exper Biol, Sect Neurosci, Univ Cagliari, Italy*, ³*CNR, Inst. Neurosci, Cagliari, Italy*, ⁴*Dep Psyc Univ Western Ontario, London, ON, Canada*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

- P1.64 INTER-INDIVIDUAL VARIATION IN THE RESPONSE TO SHORT PHOTOPERIOD IN SIBERIAN HAMSTERS: EVALUATION OF ANTI-MÜLLERIAN HORMONE AS A PREDICTIVE BIOMARKER**
Olivia M Diamond, Ned J Place, *Cornell University*
- P1.65 LIPOPOLYSACCHARIDE DURING THE PERIPUBERTAL PERIOD REVERSES THE ANTIDEPRESSANT EFFECT OF ESTRADIOL IN CD1 MICE**
Nafissa Ismail, Ashley Kumlin, Kaylyn Utley, Nassim Bouchentouf, Alex Zaltsman, Jeffrey D. Blaustein, *Center for Neuroendocrine Studies, UMass, Amherst, MA*
- P1.66 MALE AND FEMALE AROMATASE KNOCKOUT MICE SHOW STEROID-INDUCED LH SURGES IN THE ABSENCE OF A FEMALE-TYPICAL POPULATION OF KISSPEPTIN NEURONS**
Laura A. Szymanski, Julie Bakker, *GIGA Neurosciences, University of Liege, Belgium*
- P1.67 NEONATAL TREATMENT WITH THE PROGESTERONE RECEPTOR ANTAGONIST RU486 DECREASES TYROSINE HYDROXYLASE AND MAP-2 IMMUNOREACTIVITY IN THE MEDIAL PREFRONTAL CORTEX**
Jari Willing, Vanessa Costanzo, Christine K Wagner, *University at Albany*
- P1.68 OBESITY AT CONCEPTION AND HYPERPHAGIA DURING PREGNANCY IMPACT REPRODUCTIVE OUTCOME**
Janine Huot, Tonisha Marshall, Claudia Frate, Barbara Woodside, *Center for Studies in Behavioral Neurobiology, Concordia University, Montreal, Canada*
- P1.69 METHAMPHETAMINE INDUCES PROGESTERONE RECEPTOR EXPRESSION IN THE MEDIAL AMGYDALA (MEA): A POTENTIAL MECHANISM FOR DRUG-ENHANCED FEMALE SEXUAL BEHAVIOR**
Mary K Holder¹, Jessica A Mong², ¹*Program in Neuroscience, University of Maryland, Baltimore, MD*, ²*Department of Pharmacology, University of Maryland, Baltimore, MD*
- P1.70 OXYTOCIN (OT)-LABELED DENDRITES IN THE LATERAL FIBER PLEXUS OF THE HYPOTHALAMIC VENTROMEDIAL NUCLEUS (VMH) IN FEMALE RATS EXHIBIT AN INCREASED PROPORTION OF OT-LABELED SYNAPTIC CONTACTS**
Sarah L Ferri-Kolwicz¹, Gerald D Griffin¹, Beverly A.S. Reyes², Elisabeth VanBockstaele², Loretta M Flanagan-Cato¹, ¹*Psychology, University of Pennsylvania, Philadelphia, PA*, ²*Neurosurgery, Farber Institute for Neurosciences, Thomas Jefferson University, Philadelphia, PA*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P1.71 PHOTOPERIOD INFLUENCES ON THE ENTRAINING EFFECTS OF FOOD

Sean P Bradley¹, Priyesh N Patel¹, Brian J Prendergast², ¹*Department of Psychology, University of Chicago, Chicago, IL*, ²*Department of Psychology and Committee on Neurobiology, University of Chicago, Chicago, IL*

P1.72 PRENATAL HORMONE EXPOSURE EFFECTS ON CORTISOL RESPONSE TO ISOLATION STRESS IN SUFFOLK SHEEP

Elizabeth M Peckham, Eila K Roberts, Theresa M Lee, *Psychology, University of Michigan, Ann Arbor, MI*

P1.73 REDUCED PREPUBERTAL EXPRESSION OF PROGESTERONE RECEPTOR IN THE HYPOTHALAMUS OF FEMALE AROMATASE KNOCKOUT MICE

Olivier Brock¹, Quentin Douhard¹, Michael J Baum², Julie Bakker¹, ¹*University of Liege*, ²*Boston University*

P1.74 RIGHT UNDER OUR NOSE: PREPUBERTAL AND ADULT MALE HAMSTERS SHOW DIFFERENT PATTERNS OF FOS EXPRESSION IN THE ACCESSORY OLFACTORY BULB FOLLOWING VAGINAL SECRETION EXPOSURE

Sarah H Meerts¹, Margaret R Bell¹, Rayson J Figueira¹, Allison A Melkonian¹, Cheryl L Sisk^{1,2}, ¹*Neuroscience Program, Michigan State University, East Lansing MI*, ²*Psychology Department, Michigan State University, East Lansing MI*

P1.75 SEX DIFFERENCE AND STEROID CONTROL OF CORTICOSTEROID-BINDING GLOBULIN CONCENTRATION IN JAPANESE QUAIL

Thierry D. Charlier, Aurore L. Seredynski, Jacques Balthazart, *GIGA-Neurosciences, University of Liège, Belgium*

P1.76 SOCIAL STRESS ALTERS DENDRITIC SPINE DENSITY IN THE AMYGDALA AND PREFRONTAL CORTEX OF MALE MICE

Govini Mohan¹, Rachel Knopp¹, Ariel Capili¹, Michael Stone¹, Mike Pham¹, Brenton Andreasik¹, James Meyerhoff², Lucille Lumley¹, ¹*US Army Medical Research Institute of Chemical Defense*, ²*Walter Reed Army Institute of Research*

P1.77 SPATIAL ANALYSIS OF NEURONAL ACTIVATION THROUGH C-FOS-LIKE IMMUNOREACTIVITY DURING CHEMORECEPTION TO FOOD ODOURS IN THE ZEBRAFISH (DANIO RERIO)

Ravneet Bhogal¹, Keith Tierney¹, Sirinart Ananvoranich², Barbara Zielinski¹, ¹*Biological Sciences, University of Windsor, Windsor, ON, Canada*, ²*Chemistry, University of Windsor, ON, Canada*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

**P1.78 TESTOSTERONE-RESPONSE TO GNRH CHALLENGE IN THE MALE CALIFORNIA MOUSE:
DO FEMALES PREFER MALES WITH MORE ROBUST RESPONSES?**

Erin D Gleason¹, Catherine A Marler², ¹*Department of Psychology, University of Wisconsin-Madison, Madison, WI*, ²*Departments of Psychology and Zoology, University of Wisconsin-Madison, Madison, WI*

**P1.79 THE ONTOGENY OF SEX DIFFERENCES IN QUAIL PREOPTIC/HYPOTHALAMIC
AROMATASE ACTIVITY**

Charlotte A Cornil¹, Gregory F Ball², Jacques Balthazart¹, ¹*GIGA Neurosciences, University of Liege, Belgium*, ²*Dept. Psychol and Brain Sci., Johns Hopkins University, Baltimore, MD*

**P1.80 VARIATION IN MATERNAL CARE PROGRAMS DEVELOPMENT OF SITE-SPECIFIC
HORMONE RECEPTOR DIFFERENCES**

Catherine L Jensen¹, Frances A Champagne², ¹*Center for Neurobiology, Columbia University*, ²*Department of Psychology, Columbia University*

**P1.81 REFERENCE VALUES FOR SALIVARY CORTISOL IN ELDERLY, COMMUNITY-DWELLING
SUBJECTS**

Hélène Forget¹, Michel Préville², Djamal Berbiche³, Noria Makouche³, Helen-Maria Vasiliadis², ¹*Département de psychologie, UQO, Canada*, ²*Département des sciences de la santé communautaire, Université de Sherbrooke, Canada, J4K 5G4*, ³*Faculté de médecine et des sciences de la santé, Université de Sherbrooke, Canada*

**P1.82 A D1 ANTAGONIST IN THE MPOA BLOCKS SEXUAL SENSITIZATION IN SEXUALLY NAÏVE
MALE RATS**

Jenna A McHenry, Genevieve A Bell, Renu Bhatt, Bradley P Parrish, Elaine M Hull, *Department of Psychology, Florida State University, Tallahassee, FL*

**P1.83 ADULT OFFSPRING OF ENERGY-RESTRICTED FEMALE SYRIAN HAMSTERS ARE OBESE
AND HYPERPHAGIC BUT HAVE LOWER FOOD HOARDING AND EARLIER PUBERTY
ONSET IN ADULTHOOD**

Erin M Keen-Rhinehart¹, Kevin Patel², Amir Abdulhay², Jill E Schneider², ¹*Department of Biology, Susquehanna University, Selinsgrove, PA*, ²*Department of Biological Sciences, Lehigh University, Bethlehem, PA*

**P1.84 ANDROGEN RECEPTORS IN A FISH WITH MALE ALTERNATIVE REPRODUCTIVE TACTICS:
STRUCTURE AND EXPRESSION LEVELS IN PRIMARY AND SECONDARY SEXUAL
CHARACTERS**

Margarida Carvalho¹, Mattia Baruzzo¹, Fábio Valério¹, Adelino V.M. Canário², David Gonçalves^{1,2}, Rui F. Oliveira^{1,3}, ¹*UIEE, ISPA- Instituto Universitário, Lisboa, Portugal*, ²*CCMAR, Universidade do Algarve, Faro, Portugal*, ³*Champalimaud Neuroscience Programme, IGC, Oeiras, Portugal*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P1.85 PAIR BONDING EXPERIENCE DECREASES THE APPETITIVE VALUE OF AMPHETAMINE THROUGH A DOPAMINE-MEDIATED MECHANISM IN SOCIALLY MONOGAMOUS MALE PRAIRIE VOLES

Yan Liu, Kimberly A Young, Thomas J Curtis, Zuoxin Wang, *Department of Psychology and Program in Neuroscience, Florida State University, Tallahassee, FL*

P1.86 BOLD FMRI RESPONSE TO TRIMETHYLTHIAZOLINE (TMT) IN AMPHETAMINE-SENSITIZED POSTPARTUM RATS

Ashley S Pira, Michael D Reed, Marcelo Febo, *Center for Translational NeuroImaging, Northeastern University, Boston, Massachusetts USA*

P1.87 CHRONIC AND CYCLIC ESTRADIOL TREATMENTS ABOLISH LATENT INHIBITION IN OVARECTOMIZED FEMALES

Anne Almey, Wayne G Brake, *Concordia University*

P1.88 DOPAMINE AGONIST QUINPIROLE DECREASES SOCIALLY MOTIVATED BEHAVIOR IN THE GREEN TREEFROG, Hyla cinerea

Anna E Creighton¹, Dara Satterfield², Joanne Chu³, ¹*Neuroscience Institute, Georgia State University, ²Department of Biology, Agnes Scott College, ³Environmental and Sustainability Studies, Agnes Scott College*

P1.89 CORTICOSTERONE AND SOCIAL MONOGAMY IN PRAIRIE VOLES (MICROTUS OCHROGASTER): A TEST OF PREFERENCE AND TERRITORIALITY

Dimitri V. Blondel, Steven M. Phelps, *Dept. of Biology, University of Florida, Gainesville, FL*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

4:00 – 6:00 pm, Tuesday July 20, 2010: POSTER SESSION 2

P2.01 NEURAL ESTROGEN RECEPTOR CHANGES IN RESPONSE TO WINNING IN THE "HOME FIELD"

Elizabeth A Becker¹, Gabriel Mast¹, Catherine A Marler², ¹*University of Wisconsin-Madison, Psychology*, ²*University of Wisconsin-Madison, Psychology and Zoology*

P2.02 5HTTLPR, EARLY EXPERIENCE, AND MOTHERING

Viara R Mileva-Seitz¹, James L Kennedy^{2,3}, Meir Steiner⁴, Leslie Atkinson⁵, Michael J Meaney⁶, Steven G Matthews⁷, Robert Levitan^{2,3}, Marla B Sokolowski⁸, Alison S Fleming⁹, ¹*Institute of Medical Sciences, University of Toronto*, ²*Center for Addiction and Mental Health, Toronto*, ³*Department of Psychiatry, University of Toronto*, ⁴*Department of Psychiatry and Behavioral Neurosciences, McMaster University*, ⁵*Department of Psychology, Ryerson University*, ⁶*Department of Psychiatry, McGill University*, ⁷*Department of Physiology, University of Toronto*, ⁸*Department of Biology, University of Toronto*, ⁹*Department of Psychology, University of Toronto*

P2.03 A MALE PEPTIDE PHEROMONE ESP1 ENHANCES FEMALE LORDOSIS BEHAVIOR IN MICE

Takefumi Kikusui¹, Sachiko Haga², Testuya Hattori¹, Toru Sato², Koji Sato², Yoshihiro Yoshihara³, Kazushige Touhara², ¹*School of Veterinary Medicine, Azabu University, Sagamihara, Kanagawa, Japan*, ²*Department of Applied Biological Chemistry, The University of Tokyo, Tokyo, Japan*, ³*Neural Circuit Function Research Core, RIKEN BSI, Wako, Saitama, Japan*

P2.04 AN ANALYSIS OF ESTROGEN RECEPTOR BETA IN THE EARLY POST-HATCHING ZEBRA FINCH BRAIN

Andrea T. Bender, Kalpana D. Acharya, Sean L. Veney, *Kent State University*

P2.05 OXYTOCIN MODULATED CENTRALLY IN RAT PUPS BY MATERNAL WARMTH IS NECESSARY FOR THE ACQUISITION OF FILIAL HUDDLING PREFERENCE FOR A MATERNALLY-ASSOCIATED ODOR

Sayuri Kojima, Jeffrey R. Alberts, *Department of Psychological and Brain Sciences, Indiana University*

P2.06 BEHAVIOURAL EFFECTS OF CENTRAL LEPTIN ADMINISTRATION DURING LACTATION

Radek E. Budin, Barbara C. Woodside, *CSBN, Concordia, Montreal, Quebec, Canada*,

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P2.07 CHRONIC SOCIAL STRESS IN ADOLESCENCE CAUSES LASTING SPATIAL, BUT NOT RECOGNITION MEMORY IMPAIRMENT, DESPITE INCREASING HIPPOCAMPAL NEUROGENESIS

Catherine M Thomas¹, Cheryl Sheridan², Jennifer A Flynn³, Feather Nixon², Cheryl M McCormick³, ¹*Biology, Brock University, St Catharines ON*, ²*Psychology, Brock University, St Catharines*, ³*Neuroscience, Brock University, St Catharines*

P2.08 VASOPRESSIN AND OXYTOCIN IN RELATION TO MALE MONGOLIAN GERBIL PARENTAL AND SOCIAL BEHAVIORS

Anna Phan¹, Vithya Vivekananthan², Virginia Roberts², Jessica A Mong³, R Abadilla⁴, Elena Choleris¹, Mertice M Clark⁴, ¹*Dept. Psychology, University of Guelph*, ²*Dept. Biomedical Sciences, University of Guelph*, ³*Dept. Pharmacology and Experimental Therapeutics, University of Maryland*, ⁴*Dept. Psychology, Neuroscience and Behaviour, McMaster University*

P2.09 PERIPUBERTAL IMMUNE STRESS DISRUPTS OVARIAN HORMONE REGULATION OF ANXIETY-LIKE BEHAVIOR IN ADULTHOOD

Kristin M Olesen, Nafissa Ismail, Jeffrey D Blaustein, *Center for Neuroendocrine Studies, University of Massachusetts, Amherst, MA*

P2.10 EFFECTS OF DIFFERENT ESTRADIOL INJECTION PROTOCOLS ON CREB PHOSPHORYLATION IN THE DORSAL HIPPOCAMPUS

Katherine L Mitterling¹, Leigh Komperda², Donna L Korol¹, ¹*Neuroscience Program, University of Illinois Urbana-Champaign, Champaign, IL*, ²*Department of Psychology, University of Illinois Urbana-Champaign, Champaign, IL*

P2.11 EFFECTS OF NEONATAL TREATMENT WITH PROGESTERONE AND RU86 ON TESTES MORPHOLOGY AND ADULT GENE EXPRESSION IN THE HYPOTHALAMUS AND AMYGDALA

Ashley B Breton, Kathy J Austin, Lindsay E Edinger, Brenda M Alexander, *University of Wyoming*

P2.12 ESTRADIOL PROTECTS AGAINST HIPPOCAMPAL DAMAGE AND IMPAIRMENTS IN FEAR CONDITIONING RESULTING FROM TRANSIENT GLOBAL ISCHEMIA IN MICE

Noah J Sandstrom, Katherine A Jordan, Jennah L Durham, *Department of Psychology, Williams College, Williamstown, MA*

P2.13 PUBERTAL DEVELOPMENT OF MESOCORTICOLIMBIC RESPONSES TO FEMALE CHEMOSENSORY CUES IN MALE SYRIAN HAMSTERS

Margaret R Bell¹, Rayson J Figueira¹, Cheryl L Sisk², ¹*Neuroscience Program, Michigan State University, East Lansing, MI*, ²*Neuroscience Program and Psychology Department, Michigan State University, East Lansing, MI*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P2.14 HORMONAL CHANGES IN WOMEN SMELLING SEXUALLY AROUSED MALE PERSPIRATION COMPARED TO TESTOSTERONE AND ESTRADIOL IN A VOLATILE CARRIER

Cameron Muir, Jesse Howell, Lindsay Oakes, Srdjan Moraca, *Department of Psychology, Brock University, St. Catharines, Ontario, Canada*

P2.15 INFLUENCE OF MATERNAL CARE ON THE DEVELOPMENT OF INCENTIVE MOTIVATION AMONGST INFANT AND JUVENILE RATS

Tara K.S. Craft¹, Catherine L. Jensen², Sara Steinfeld³, James P. Curley⁴, Harry Shair^{5,3}, Frances A. Champagne⁴, Holly Moore^{5,6}, ¹*Psychiatry Dept., Psychology Dept., Columbia University,* ²*Center for Neurobiology and Behavior, Columbia University,* ³*NYSPI,* ⁴*Psychology Dept., Columbia University,* ⁵*Psychiatry Dept., Columbia University,* ⁶*NYSPI, New York, NY*

P2.16 MANIPULATION OF THE PRAIRIE VOLE GENOME: ROLE OF THE V1A VASOPRESSIN RECEPTOR IN SOCIALITY

Catherine E Barrett¹, Zoe Donaldson², Shang-Hsun Yang¹, Anthony WS Chan¹, Larry J Young¹, ¹*Emory University,* ²*Columbia University*

P2.17 RAPID INDUCTION OF HYPOTHALAMIC IODOTHYRONINE DEIODINASE EXPRESSION DURING PUBERTY IN SIBERIAN HAMSTERS

August Kampf-Lassin, Brian J Prendergast, *Department of Psychology, The University of Chicago*

P2.18 NEURONAL PLASTICITY IN THE FOREBRAIN OF THE MALE RED-SIDED GARTER SNAKE: EFFECT OF SEASON AND HORMONAL STATUS ON DENDRITIC SPINE FORMATION

Jenna Jurkovic, Randolph W Krohmer, *Department of Biological Sciences, Saint Xavier University, Chicago, IL*

P2.19 OVARIAN STEROIDS AND INTERNAL ENERGY AVAILABILITY INTERACT TO CONTROL SEXUAL ATTRACTIVITY IN FEMALE SYRIAN HAMSTERS

Sanjana C. Bhatia¹, Jill E. Schneider², ¹*Department of Biological Sciences, Lehigh University, Bethlehem, PA,* ²*Department of Biological Sciences, Lehigh University*

P2.20 POSTPARTUM ESTRUS BEHAVIOR IN RATS: ROLE OF PROGESTERONE RECEPTOR

Graciela E Carrillo-Martínez¹, Porfirio Gómora-Arrati², Aliesha González-Arenas¹, Sumiko Morimoto³, Oscar González-Flores², Ignacio Camacho-Arroyo¹, ¹*Facultad de Química, Departamento de Biología, Universidad Nacional Autónoma de México, México DF, México. c.p. 04510,* ²*Centro de Investigación en Reproducción Animal, CINVESTAV-Universidad Autónoma de Tlaxcala, Apartado Postal 64, c.p. 90000,* ³*Departamento de Biología de la Reproducción, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, México DF, México*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

- P2.21 REEVALUATING THE ROLE OF THE MEDIAL PREOPTIC AREA IN APPETITIVE AND CONSUMMATORY ASPECTS OF REPRODUCTIVE BEHAVIOR IN MALE SYRIAN HAMSTERS**
Laura Been, Aras Petrusis, *Neuroscience Institute, Georgia State University, Atlanta, GA*
- P2.22 RELATIONSHIP BETWEEN DIGIT RATIO, GENDER ROLE ORIENTATION AND SEXUALITY TRAITS**
Alvi Dandal, Ulrich Schimmack, Ashley Monks, *Psychology, University of Toronto Mississauga, Mississauga ON*
- P2.23 SENSITIVE MOTHERING REQUIRES GOOD EXECUTIVE FUNCTION: CHALLENGES FACED BY TEENAGE MOTHERS**
Elsie Chico, Nida Ali, Joana Katter, Hope Eaton, Andrea Gonzalez, Kathleen Wonch, Meir Steiner, Alison S. Fleming, *University of Toronto and McMaster University*
- P2.24 SOCIAL STRESS ENHANCES SPATIAL MEMORY IN FEMALE CALIFORNIA MICE (PEROMYSCUS CALIFORNICUS)**
Sarah A Laredo¹, Michael Q Steinman², Jennifer New³, Andrea L Silva³, Nicholas Knoblauch³, Veronica Orr³, Brian C Trainor³, ¹*Animal Behavior, UC Davis*, ²*MCIP, UC Davis*, ³*Psychology, UC Davis*
- P2.25 SEX DIFFERENCES IN CORTICOTROPIN-RELEASING FACTOR RECEPTOR TRAFFICKING: ROLE IN FEMALE VULNERABILITY TO STRESS-RELATED PATHOLOGY**
Debra Bangasser¹, Beverly Reyes², Thelma Bethea¹, Elisabeth Van Bockstaele², Rita Valentino¹, ¹*Department of Anesthesiology, Division Stress Neurobiology, The Children's Hospital of Philadelphia*, ²*Department of Neurosurgery, Thomas Jefferson University*
- P2.26 SUBCHRONIC ADMINISTRATION OF MELANOTAN II, A MELANOCORTIN RECEPTOR AGONIST, ENHANCES ITS EFFECTS ON FEMALE SEXUAL BEHAVIOR**
Jonathan A Greggain-Mohr, radu alexandru antonie, James G Pfaus, *Center for Studies in Behavioral Neurobiology, Department of Psychology, Concordia University, Montréal, QC, Canada*
- P2.27 THE ROLE OF GHRELIN IN FOOD ANTICIPATORY BEHAVIOR**
Elaine Waddington Lamont, Jennifer Bruton, Alfonso Abizaid, *Institute of Neuroscience, Carleton University, Ottawa, ON*
- P2.28 VERBAL MEMORY DEFICITS IN ADOLESCENTS WITH CONGENITAL HYPOTHYROIDISM**
Sarah M Wheeler¹, Erin D Sheard², Joanne F Rovet², ¹*Department of Psychology, University of Toronto, Toronto, Ontario, Canada*, ²*Department of Psychology, Hospital for Sick Children, Toronto, Ontario, Canada*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P2.29 EPIGENOMIC IMPACT OF SIMULATED MATERNAL GROOMING WITHIN THE DEVELOPING AMYGDALA

Michelle N Edelmann, Anthony P Auger, *Neuroscience Training Program, University of Wisconsin - Madison, Madison, WI*

P2.30 ANDROGENS ALTER THE CIRCADIAN CLOCK SENSITIVITY TO LIGHT

Matthew Butler¹, Rae Silver², ¹*Columbia University*, ²*Columbia University and Barnard College*

P2.31 BPA FEMINISES MALES IN MEASURES OF AFFECT, BUT HAS NO ANDROGENIC EFFECTS IN VIVO

Bryan A Jones, Lydia S Wagner, Neil V Watson, *Dept. of Psychology, Simon Fraser University, Burnaby BC, Canada*

P2.32 CHRONIC STRESS DURING PUBERTY CAUSES SEX-SPECIFIC UPREGULATION OF GLUCOCORTICOID RECEPTOR CO-CHAPERONES

Gretchen N Neigh, Chase Bourke, Elisabeth Binder, *Emory University*

P2.33 SEX-RELEVANT OLFACTORY STIMULI ACTIVATE BRAIN REGIONS IN AN AGE-DEPENDENT MANNER

Daniel Tobiansky¹, Tomoko Hattori¹, Ashley Westerman², Emily D'Addesio³, Juan Dominguez¹, ¹*Department of Psychology, University of Texas at Austin, TX*, ²*Department of Psychology, The University of Texas at Austin, TX*, ³*Department of Neurobiology, University of Texas at Austin, TX*

P2.34 EARLY LIFE STRESSORS SUPPRESS DELAYED-TYPE HYPERSENSITIVITY IN LONG AND SHORT-DAYS

Laura K Fonken, Randy J Nelson, *Department of Neuroscience in Psychology, The Ohio State University Columbus OH*

P2.35 EFFECTS OF EARLY ISOLATION ON THE EXPERIENTIAL, HORMONAL AND NEURAL REGULATION OF SEXUAL BEHAVIOR IN MALE LONG-EVANS RATS

Emis M Akbari¹, Radek Budin², Diptendu Chatterjee¹, Marissa E Maheu³, Alison S Fleming¹, ¹*University of Toronto at Mississauga*, ²*Concordia University*, ³*McGill University*

P2.36 EFFECTS OF NORTH AMERICAN GINSENG ON SEXUAL BEHAVIOR AND ERECTILE FUNCTION IN HEALTHY RATS

Matthew J Barnes¹, Lique M Coolen², ¹*Department of Physiology and Pharmacology, University of Western Ontario, London, Ontario, Canada*, ²*Department of Physiology and Pharmacology, Department of Anatomy and Cell Biology, University of Western Ontario, London, Ontario, Canada*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P2.37 SHORT DAYS INCREASE DEPRESSIVE-LIKE RESPONSES AND DECREASE DENDRITIC COMPLEXITY IN THE CA1 REGION OF THE HIPPOCAMPUS IN SIBERIAN HAMSTERS (PHODOPUS SUNGORUS)

Joanna L Workman, James C Walton, Randy J Nelson, *Departments of Neuroscience and Psychology, The Ohio State University, Columbus, OH*

P2.38 ESTROGEN REGULATION OF DENDRITIC SPINES: A DIOLITIC APPROACH

Nancy A Staffend, Robert L Meisel, *Department of Neuroscience, University of Minnesota, Minneapolis, MN*

P2.39 HORMONAL FINGERPRINT AND SMELL PERCEPTION: A SEGMENTATION MODEL TO UNDERSTAND AND PREDICT INDIVIDUALS' SCENT PREFERENCES BASED ON PRENATAL EXPOSURE TO HORMONES

Diana Derval, *Derval Research*

P2.40 INFLUENCE OF RELATIONSHIP STATUS AND GENDER/SEX ON SALIVARY IGA AND CORTISOL LEVELS

Sarah E Massuch¹, Sari M van Anders², ¹*University of Michigan, Psychology, Ann Arbor, MI*, ²*University of Michigan, Psychology, Women's Studies, Neuroscience, Ann Arbor, MI*

P2.41 SOCIAL STRESS AND THE DEVELOPMENT OF APPETITIVE AND CONSUMMATORY SEXUAL BEHAVIORS

Christel Bastida, Cari Sagum, Sara Monical, Yvon Delville, *University of Texas at Austin*

P2.42 MATERNAL EFFECTS ON THE DEVELOPMENT OF THE REPRODUCTIVE SYSTEM

Amanda P Borrow¹, Marisa Levy², Matthew L Lugo², Nicole M Cameron², ¹*Psychology Department, SUNY Binghamton, Binghamton, NY*, ²*Psychology Department, SUNY Binghamton, Binghamton, NY*

P2.43 NEURONS WITH A SINGLE NUCLEOLUS MEDIATE MALE SEX BEHAVIOR IN THE MAGNOCELLULAR MEDIAL PREOPTIC NUCLEUS (MPNMAG) IN RESPONSE TO PHEROMONAL STIMULATION IN SYRIAN HAMSTERS

Holly A Richendrfel, Jennifer M Swann, *Bio Sciences, Lehigh University*

P2.44 ATTRACTION TO REWARD-RELATED CUES AND DOPAMINE

Vedran Lovic, Brandon J. Aragona, Caitlin M. Vander Weele, Seth Wescott, Terry E. Robinson, *University of Michigan*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P2.45 SOCIALLY CONTROLLED ANDROGEN-INDEPENDENT MECHANISMS CONTRIBUTE TO THE WINNER EFFECT IN CALIFORNIA MICE

Matthew J Fuxjager¹, Temitayo O Oyegbile², Catherine A Marler², ¹*University of Wisconsin - Madison, Department of Zoology*, ²*University of Wisconsin - Madison, Department of Psychology*

P2.46 POTENTIAL NEUROBIOLOGICAL DIFFERENCES IN TITI MONKEY (CALLICEBUS CUPREUS) SOCIAL BONDS AFFECT AROUSAL, AFFILIATION, AND RESPONSE TO REWARD

Ben J Ragen¹, Sally P Mendoza², William A Mason², Karen L Bales¹, ¹*University of California, Davis, CA*, ²*California National Primate Research Center, Davis, CA*

P2.47 RELEVANCE OF THE PICROTOXIN BINDING SITE ON THE GABA-A RECEPTOR FOR SUPPRESSED ANXIETY DURING THE POSTPARTUM PERIOD

Stephanie M Miller, Joseph S Lonstein, *Psychology & Neuroscience, Michigan State University, East Lansing, MI*

P2.48 SEX DIFFERENCE IN THE DORSOLATERAL NUCLEUS (DLN) OF THE ASIAN MUSK SHREW

Kathryn Polak, Louise M. Freeman, *Mary Baldwin College*

P2.49 THE BABY DRUG: BRAIN REGIONS INVOLVED IN AFFECT, REWARD AND MOTIVATION ARE IMPORTANT IN MATERNAL RESPONSIVENESS TO OWN INFANT

Jennifer Barrett¹, Kathleen Wonch¹, Geoffrey Hall², Meir Steiner², Alison S Fleming¹, ¹*Department of Psychology, University of Toronto at Mississauga, Mississauga, Ontario, Canada*, ²*Department of Psychiatry and Behavioural Neurosciences, McMaster University, Hamilton, Ontario*

P2.50 SOCIAL SUBJUGATION INDUCES SOCIAL WITHDRAWAL IN FEMALE BUT NOT MALE CALIFORNIA MICE

Nicholas W Knoblauch¹, Andrea L Silva¹, Michael Q Steinman², Brian C Trainor^{1,2}, ¹*Department of Psychology*, ²*Molecular, Cellular, and Integrative Physiology Graduate Group, University of California, Davis, CA*

P2.51 THE "FEMALE EFFECT" IN CAPRA HIRCUS: CAUSE AND CONSEQUENCE

Kristy M Longpre, Larry S Katz, *Rutgers University*

P2.52 THE ROLE OF NALOXONE ON PAIRING BEHAVIOR IN ZEBRA FINCHES

Joanna H Schnelker, Michelle L Tomaszycski, Brendon Zatirka, *Wayne State University*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P2.53 THE ELECTRIC COMMUNICATION SIGNAL OF BRACHYHYPOPOMUS GAUDERIO AND ITS HORMONAL MODULATORS ARE DIFFERENTIALLY AFFECTED BY POPULATION DENSITY AND SEX RATIO IN A NATURAL POPULATION

Sat Gavassa¹, Ana C Silva², Philip K Stoddard¹, ¹*Department of Biological Sciences, Florida International University, USA*, ²*Departamento de Neurofisiología, Instituto de Investigaciones Biológicas Clemente Estable, Uruguay*

P2.54 WHAT CAN WE LEARN ABOUT ACCUMBAL DOPAMINE FUNCTIONING DURING THE POSTPARTUM PERIOD USING ARTIFICIALLY-RAISED RATS?

Veronica M Afonso, Samantha King, Marko Novakov, Christie L Burton, Alison S Fleming, *University of Toronto Mississauga*

P2.55 ANDROGENS MODULATE SONG EFFORT AND VOCAL PERFORMANCE IN SINGING MICE

Bret Pasch, Andreas S. George, Heather J. Hamlin, Louis J. Guillette Jr., Steven M. Phelps, *Department of Biology, University of Florida, Gainesville, Florida*

P2.56 CASTRATION FAILS TO AFFECT ANDROGEN LEVELS, PHEROMONE POTENCY AND REPRODUCTIVE BEHAVIOUR IN MALES OF THE CICHLID FISH OREOCHROMIS MOSSAMBICUS

Olinda G Almeida¹, Filipa Vieira², Magdalena Gozdowska³, Ewa Kulczykowska³, Peter C Hubbard², Adelino VM Canário², Rui F Oliveira^{1,4}, ¹*UIEE, ISPA-Instituto Universitário, Portugal*, ²*CCMAR, Universidade do Algarve, Portugal*, ³*Polish Academy of Sciences, Poland*, ⁴*Champalimaud Neuroscience Programme, IGC, Portugal*

P2.57 THE ONTOGENY OF ANXIETY-LIKE BEHAVIOUR FROM ADOLESCENCE TO ADULTHOOD IN THE LABORATORY RAT

Debra A Lynn¹, Gillian R Brown², ¹*School of Psychology, University of St Andrews, St Andrews, Fife, U.K.*, ²*School of Psychology, University of St Andrews, Fife, U.K.*

P2.58 D2-LIKE RECEPTORS AND COPULATORY BEHAVIOR OF RATS WITH DIFFERENT SEXUAL CONDITION

Irma Lorena Guadarrama-Bazante, Gabriela Rodríguez-Manzo, *Pharmacobiology, Cinvestav-Sede Sur, Mexico City, Mexico*

P2.59 EFFECT OF NICOTINE AND WITHDRAWAL ON MOUSE WEIGHT GAIN

Young-Na Hur, Gee-Hyun Hong, Joo-Young Lee, Dong-Hoon Kim, Sang-Hyun Choi, Kyung-Ho Shin, Boe-Gwun Chun, *Department of Pharmacology Korea University College of Medicine, Seoul Korea*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P2.60 EFFECTS OF ENVIRONMENTAL MANIPULATION ON A MOUSE MODEL OF EXTREMES IN TRAIT ANXIETY

Patrick O Markt¹, Sergey V Sotnikov², Rainer Landgraf¹, ¹*Max Planck Institute of Psychiatry, Munich, Germany,* ²*P.K. Anohin Institute of Normal Physiology, Moscow, Russia*

P2.61 UTILIZATION OF PLANTS AS A SOURCE OF MEDICINE FOR SEXUALLY TRANSMITTED INFECTIONS IN LAKSHMIPUR DISTRICT OF BANGLADESH

Md. Ariful Haque Mollik, *Department of Epidemiology, Biostatistics, Community Nutrition and Noncommunicable Diseases, Peoples Integrated Alliance, Dhaka-1216, Bangladesh*

P2.62 SALIVARY TESTOSTERONE: IMPACT OF CIRCADIAN DYNAMICS ON SAMPLING PROTOCOL FOR HUMAN FEMALE BIO-BEHAVIORAL STUDIES

Martin A Sharp¹, Emad A.S. Al-Dujaili², ¹*School of Life Sciences, Glasgow Caledonian University, Scotland,* ²*School of Health Sciences, Queen Margaret University, Scotland*

P2.63 HORMONAL RESPONSES TO OWN AND NOVEL INFANTS IN FATHER COMMON MARMOSETS (CALLITHRIX JACCHUS)

Toni E. Ziegler, Laura J. Peterson, Megan E. Sosa, Allison M. Bernard, *Wisconsin National Primate Research Center*

P2.64 MATERNAL HISTORY OF EARLY ADVERSITY AND OFFSPRING TEMPERAMENT: THE ROLE OF 5-HTTLPR

Andrée-Anne Bouvette-Turcot¹, James L Kennedy², Leslie Atkinson³, Marla B Sokolowski⁴, Hélène Gaudreau⁵, John E Lydon⁶, Meir Steiner⁷, Andrea Gonzalez⁷, Michael J Meaney¹, Alison S Fleming⁸, ¹*Department of Psychiatry, McGill University, Montreal, Quebec, Canada,* ²*Center for Mental Health and Addiction, University of Toronto, Toronto, Ontario, Canada,* ³*Department of Psychology, Ryerson University, Toronto, Ontario, Canada,* ⁴*Department of Biology, University of Toronto, Toronto, Ontario, Canada,* ⁵*Douglas Mental Health University Institute, McGill University, Montreal, Quebec, Canada,* ⁶*Department of Psychology, McGill University, Montreal, Quebec, Canada,* ⁷*Department of Psychiatry and Behavioural Neuroscience, McMaster University, Hamilton, Ontario, Canada,* ⁸*Department of Psychology, University of Toronto at Mississauga, Mississauga, Ontario, Canada*

P2.65 VARIATION IN TESTOSTERONE RESPONSE TO STANDARDIZED INJECTION OF GONADOTROPIN RELEASING HORMONE OR LUTEINIZING HORMONE IN MALE AND FEMALE DARK-EYED JUNCOS

Christine M Bergeon Burns¹, Thomas P Hahn², Gregory E Demas¹, Ellen D Ketterson¹, ¹*Department of Biology, Indiana University, Bloomington, IN,* ²*Department of Neurobiology, Physiology & Behavior, University of California, Davis, CA*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

- P2.66 EFFECTS OF CHRONIC GHRELIN RECEPTOR ANTAGONIST INFUSION ON FOOD INTAKE AND BODY WEIGHT DIFFER IN CYCLING AND LACTATING RATS**
Tammie Quinn¹, Alfonso Abizaid², Barbara Woodside¹, ¹*Center for Studies in Behavioral Neurobiology, Concordia University, Montreal, Can,* ²*Neuroscience Institute, Carleton University, Ottawa, Can*
- P2.67 PARTNERING AND TESTOSTERONE: EFFECTS OF SOCIAL VARIABLES AND GENDER/SEX**
Nicholas L Caverly¹, Sari M van Anders², ¹*Anthropology, University of Michigan, Ann Arbor, MI,* ²*Psychology, Women's Studies, Neuroscience, University of Michigan, Ann Arbor, MI*
- P2.68 PREMENSTRUAL SYNDROME, MENSTRUAL SYMPTOMS AND C-REACTIVE PROTEIN LEVELS IN COLLEGE-AGED WOMEN**
Elizabeth Bertone-Johnson¹, Brian Whitcomb¹, Biki Takashima¹, Sofija Zagarins¹, Patricia Chocano-Bedoya¹, Alayne Ronnenberg², ¹*Department of Public Health, University of Massachusetts, Amherst,* ²*Department of Nutrition, University of Massachusetts, Amherst*
- P2.69 VIRGIN MALE SHREWS TAKE LONGER TO INDUCE RECEPTIVITY IN FEMALES**
Lindsay A Wenger, Louise M Freeman, *Psychology, Mary Baldwin College, Staunton, VA*
- P2.70 REPEATED PRETREATMENT WITH D-AMPHETAMINE REDUCES DEFICITS IN FEMALE SEXUAL PERFORMANCE RESULTING FROM EARLY ISOLATION REARING**
Anna M. Lomanowska, Veronica M. Afonso, Navneet Hundal, Jasleen Kohaar, Alison S. Fleming, Gary W. Kraemer, *University of Toronto at Mississauga, Mississauga, ON*
- P2.71 SEX DIFFERENCES IN DRUG EFFECTS AND UNDERLYING NEURAL NETWORK**
Robert Caratun, Kyle Pitchers, Lique Coolen, *Anatomy and Cell Biology, University of Western Ontario, London, Canada*
- P2.72 AMYGDALA ACTIVATION TO EROTIC STIMULI IN MEN, WOMEN, AND WOMEN WITH ANDROGEN INSENSITIVITY**
Stephan Hamann¹, Jennifer Wilson¹, Janice Hassett¹, Kristina Bryk², Charmian Quigley³, Sheri Berenbaum², Kim Wallen¹, ¹*Psychology Department, Emory University, Atlanta, GA,* ²*Psychology Department, The Pennsylvania State University, University Park, PA,* ³*School of Medicine, Indiana University, Indianapolis, IN*
- P2.73 THE ACTION OF ARGININE VASOTOCIN ON THE ENCODING PROPERTIES OF AUDITORY NEURONS IN A BUTTERFLYFISH**
Adam K Dewan, Timothy C Tricas, *Department of Zoology, University of Hawaii, Honolulu, HI*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P2.74 THE SOCIO-ECOLOGICAL CORRELATES OF STRESS IN FREE-LIVING ADULT FEMALE CHIMPANZEES

Carson M Murray, Rachel M Santymire, Elizabeth V Lonsdorf, *1 Department of Conservation and Science, Lincoln Park Zoo, Chicago, IL, 2Committee for Evolutionary Biology, University of Chicago, Chicago, IL*

P2.75 X CHROMOSOME COPY NUMBER INFLUENCES JUVENILE MOUSE BEHAVIORS

Kimberly H Cox¹, Alex Eschenroeder², Emilie F Rissman², *¹Neuroscience Graduate Program, ²Department of Biochemistry and Molecular Genetics*

P2.76 A NOVEL SEX DIFFERENCE IN THE PERINATAL VENTROMEDIAL NUCLEUS OF THE HYPOTHALMUS OF THE RAT

Keith L Gonzales¹, Emily R Aurand², Princy S Quadros-Mennella³, Stuart A Tobet², Christine K Wagner¹, *¹SUNY Albany, Albany NY, ²Colorado State University, Fort Collins CO, ³Delaware State University, Dover DE*

P2.77 AVT-IMMUNOREACTIVITY IN THE BRAIN OF MALE RED-SIDED GARTER SNAKES DURING THE ACTIVE SEASON AND LOW TEMPERATURE DORMANCY

Teresa M Kusper¹, Robert T Mason², Randolph W Krohmer¹, *¹Department of Biological Sciences, Saint Xavier University, Chicago, IL, ²Department of Zoology, Oregon State University, Corvallis, OR*

P2.78 CELL-SPECIFIC USAGE OF AN ESTROGEN RECEPTOR α GENE PROMOTER IN THE SEXUALLY DIMORPHIC NUCLEUS OF THE RAT PREOPTIC AREA

Tomohiro Hamada, Hirotaka Ishii, Chitose Orikasa, Yasuo Sakuma, *Department of Physiology, Nippon Medical School*

P2.79 DEVELOPMENT OF NOVELTY-PREFERENCE BEHAVIOR: THE INFLUENCE OF GONADAL HORMONES IN SEX DIFFERENCES

De-Laine M. Cyrenne, Gillian R. Brown, *School of Psychology, University of St Andrews, St Andrews, U.K.*

P2.80 EFFECT OF PERINATAL HDAC INHIBITOR ADMINISTRATION ON SEXUAL DIFFERENTIATION OF NEUROCHEMISTRY AND OLFACTORY PREFERENCE BEHAVIOR IN MICE

Elaine K Murray¹, Jared L Fernandez², Caroline J Smith², Megan M Varnum², Geert J de Vries², Nancy G Forger², *¹Neuroscience and Behavior Program, University of Massachusetts, Amherst MA, ²Neuroscience and Behavior Program, University of Massachusetts, Amherst MA*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P2.81 EFFECTS OF ENVIRONMENTAL MANIPULATION ON A MOUSE MODEL OF EXTREMES IN TRAIT ANXIETY

Sergey S Sotnikov¹, Patrick O Markt², Rainer Landgraf², ¹*P.K. Anohin Institute of Normal Physiology, Moscow, Russia*, ²*Max Planck Institute of Psychiatry, Munich, Germany*

P2.82 EFFECTS OF PRENATAL EXPOSURE TO THE PLASTICIZER DIISONONYL PHTHALATE ON THE DEVELOPMENT AND BEHAVIOR OF NEONATAL AND JUVENILE NORWAY RATS (RATTUS NORVEGICUS)

Kaitlin Ducharme, Brenton Fetting, Oleg Kinachtchouk, John Macheso, Ryan Phillips, Elizabeth Wall, Gary M. Lange, *Department of Biology, Saginaw Valley State University*

P2.83 EFFECTS OF TESTOSTERONE ON ANXIETY IN MALE RHESUS MONKEYS

Hanna M King¹, Benjamin Suarez-Jimenez², Julie Hachey³, Laura B Kurdziel¹, Agnès Lacreuse³, ¹*Neuroscience and Behavior Program, University of Massachusetts, Amherst MA*, ²*Post-baccalaureate Research Education Program, University of Massachusetts, Amherst MA*, ³*Department of Psychology, University of Massachusetts, Amherst MA*

P2.84 ETHANOL CONSUMPTION AND DELTAFOSB EXPRESSION IN THE PRAIRIE VOLE (MICROTUS OCHROGASTER)

Caroline M Hostetler, Karen L Bales, *Psychology Dept, University of California, Davis*

P2.85 GHRELIN O-ACYLTRANSFERASE MRNA LEVELS IN THE HYPOTHALAMUS ARE DIFFERENTIALLY AFFECTED IN TWO DIFFERENT MODELS OF NEGATIVE ENERGY BALANCE

Martin Wellman¹, Rim Khazall¹, Harry MacKay¹, Barbara Woodside², Alfonso Abizaid¹, ¹*Institute of Neuroscience, Carleton University, Ottawa, Ontario, Canada*, ²*Center for Studies in Behavioral Neurobiology, Concordia University, Montreal, Quebec, Canada*

P2.86 INHIBITION OF ADULT NEUROGENESIS AND LONG-TERM MEMORY DEFICITS FOLLOWING REPEATED JET LAG

Erin M Gibson, Connie Wang, Stephanie Tjho, Neera Khattar, Lance J Kriegsfeld, *Psychology, University of California, Berkeley, CA*

P2.87 INVOLVEMENT OF THE BDNF RECEPTOR (P75NTR) IN THE DEVELOPMENT OF EARLY LIFE STRESS INDUCED ANXIETY AND DEPRESSIVE-LIKE BEHAVIORS

Kevin G Bath¹, Bruce S McEwen², Moses V Chao³, Francis S Lee¹, ¹*Weill Cornell Medical College*, ²*Rockefeller University*, ³*NYU School of Medicine*

P2.88 NEURAL ACTIVITY ASSOCIATED WITH ALARM CALLING IN PREDATOR ENCOUNTERS IN CHICKADEES

Jesse M. S. Ellis, Lauren V. Ritters, *University of Wisconsin - Madison*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

**P2.89 OLFACTORY EPITHELIAL RESPONSES TO STEROIDS RELEASED BY REPRODUCTIVE
ROUND GOBIES**

Alyson J. Laframboise¹, Yogesh K. Katare¹, Alexander P. Scott², Stephen J. Loeb³, Barbara S. Zielinski¹, ¹*Biological Sciences, University of Windsor, Windsor, ON, Canada*, ²*Centre for Environment, Fisheries & Aquaculture Science, Weymouth, Dorset, United Kingdom*, ³*Chemistry and Biochemistry, University of Windsor, Windsor, ON, Canada*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

4:00 – 6:00 pm, Wednesday July 21, 2010: POSTER SESSION 3

P3.01 A SALIVARY CORTISOL ELISA PROVIDES SUPERIOR CORTICOSTERONE QUANTIFICATION IN AVIAN PLASMA AND FEATHERS

Lee Koren¹, Shinichi Nakagawa², Terry Burke², Katherine E Wynne-Edwards¹, ¹1. *Department of Comparative Biology & Experimental Medicine, Faculty of Veterinary Medicine, University of Calgary, Alberta, Canada,* ²2. *Department of Animal and Plant Sciences, University of Sheffield, UK*

P3.02 CHRONIC EXPOSURE TO AMBIENT PARTICULATES LEADS TO COGNITIVE IMPAIRMENTS AND DEPRESSION

Laura K Fonken¹, Xiaohua Xu², Guohua Chen³, Sanjay Rajagopalan³, Randy J Nelson¹, Qinghua Sun³, ¹*Departments of Neuroscience and Psychology,* ²*Division of Environmental Health Sciences,* ³*Davis Heart and Lung Research Institute, Ohio State University, Columbus, OH*

P3.03 EFFECTS OF TESTOSTERONE ON ATTENTION AND MEMORY FOR EMOTIONAL STIMULI IN MALE RHESUS MONKEYS

Hanna M King¹, Lauri B Kurdziel¹, Agnès Lacreuse², ¹*Neuroscience and Behavior Program, University of Massachusetts, Amherst, MA,* ²*Department of Psychology, University of Massachusetts, Amherst, MA*

P3.04 IDENTIFICATION AND LOCALIZATION OF THE MEMBRANE BOUND G-PROTEIN COUPLED ESTROGEN RECEPTOR GPR30 IN THE ZEBRA FINCH BRAIN

Kalpna D. Acharya, Sean L. Veney, *Kent State University*

P3.05 MONOGAMY AND MEMORY: NEUROPEPTIDE RECEPTOR EXPRESSION IN AREAS ASSOCIATED WITH SPATIAL LEARNING AND MEMORY RELATE TO PATTERNS OF SPACE USE ASSOCIATED WITH SOCIAL MONOGAMY

Ana Gessel¹, Da-Jiang Zheng¹, Steven M Phelps², Alexander G Ophir¹, ¹*Oklahoma State University,* ²*University of Florida*

P3.06 OPERATIONAL SPECIFICATIONS OF A SAMPLE PREPARATION AND LC-MS/MS/MS RESEARCH LABORATORY FOR STEROID QUANTITATION

Katherine E Wynne-Edwards, *University of Calgary*

P3.07 PSYCHONEUROENDOCRINE EFFECTS IN MICE LACKING M-RAS

Annette Ehrhardt, Yanni Wang, John W Schrader, *The Biomedical Research Centre, University of British Columbia, Vancouver, Canada*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P3.08 ROLE OF ADIPONECTIN SIGNALING IN REGULATION OF AVIAN MIGRATION

Erica Stuber¹, Jessica Verpeut², Maria Horvat-Gordon², Ramesh Ramachandran², Paul A Bartell¹, ¹*Dept. of Poultry Science and Ecology Graduate Program, The Pennsylvania State University, University Park, PA* ²*Dept. of Poultry Science, The Pennsylvania State University, University Park, PA*

P3.09 SOLITARY SEXUAL DESIRE AND TESTOSTERONE IN WOMEN AND MEN: EXPLORING SOCIAL MEDIATORS

Joseph I Eisman¹, Sari van Anders², ¹*Neuroscience, Women's Studies*, ²*Neuroscience, Women's Studies, Psychology*

P3.10 THE CONTRIBUTION OF GENES AND HORMONES TO THE SEXUAL DIFFERENTIATION OF THE ZEBRA FINCH SONG SYSTEM

Jessica B Zito¹, Eldin Dzibur¹, Julie Wade², Milchelle Tomaszycski¹, ¹*Wayne State University*, ²*Michigan State University*

P3.11 VARIATION IN REPRODUCTIVE MORPHOLOGY IN A NATURAL POPULATION OF THE GREEN ANOLE LIZARD, ANOLIS CAROLINENSIS

Michele A. Johnson¹, Joseph R. Vandecar², Rachel E. Cohen³, Juli Wade⁴, ¹*Department of Biology, Trinity University, San Antonio TX*, ²*Department of Psychology, Michigan State University, East Lansing MI*, ³*Department of Zoology, Michigan State University, East Lansing MI*, ⁴*Departments of Psychology, Zoology, and Neuroscience Program, Michigan State University, East Lansing MI*

P3.12 ACTIVATION OF DOPAMINE NEURONS IN ASSOCIATION WITH NEST BUILDING IN MALE AND FEMALE ZEBRA FINCHES

James D Klatt, James L Goodson, *Biology, Indiana University, Bloomington, Indiana, USA*,

P3.13 DEVELOPMENTAL EFFECTS OF NEONATAL OXYTOCIN ON SOCIAL BEHAVIORS IN MICE

Kazutaka Mogi, Chihiro Tsukamoto, Miho Nagasawa, Takefumi Kikusui, *Laboratory of Companion Animal Research, Department of Veterinary Medicine, Azabu University Fuchinobe 1-17-71, Chuo-ku, Sagami-hara-shi, Kanagawa 252-5201, Japan*

P3.14 EFFECTS OF MATERNAL CARE ON GROUP MATING BEHAVIOR IN RATS

Karen M. Prior, Nicole M. Cameron, *Binghamton University SUNY, Vestal, NY*

P3.15 IMPULSIVE RATS ARE LESS MATERNAL

Vedran Lovic¹, Daniela J. Palombo², Alison S. Fleming², ¹*University of Michigan*, ²*University of Toronto*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P3.16 NEURAL ACTIVATION IN RESPONSE TO OLFACTORY CUES IN BAX KNOCKOUT MICE

Jeff Anyan¹, Lee Niel¹, Nancy G Forger², Melissa M Holmes¹, ¹*Psychology, University of Toronto, Mississauga, ON, Canada*, ²*Psychology, University of Massachusetts, Amherst, MA*

P3.17 PROGESTERONE IMPAIRS SOCIAL RECOGNITION IN MALE RATS

Meaghan E. Bychowski¹, Catherine J. Auger², ¹*Neuroscience Training Program, University of Wisconsin – Madison, Madison, WI*, ²*Psychology Department, University of Wisconsin - Madison, Madison, WI*

P3.18 SEX DIFFERENCES IN HORMONAL RESPONSES TO SOCIAL CONFLICT IN THE MONOGAMOUS CALIFORNIA MOUSE

Elizabeth Y Takahashi, Andrea L Silva, Katie K Crean, Caroline Hostetler, Brian C Trainor, *Department of Psychology, University of California, Davis, CA*

P3.19 TRANSGENERATIONAL EFFECTS OF PATERNAL SOCIAL EXPERIENCES ON OFFSPRING DEVELOPMENT IN BALB/C MICE

Rahia Mashoodh, Joanna Y Wang, Becca Franks, James P Curley, Frances A Champagne, *Department of Psychology, Columbia University, New York, NY*

P3.20 DYADIC ULTRASONIC VOCALIZATIONS IN THE MONOGAMOUS CALIFORNIA MOUSE (PEROMYSCUS CALIFORNICUS) BASED ON MALE TESTOSTERONE STATUS DURING COURTSHIP

Joshua D Pultorak¹, Matina C Kalcounis-Rueppell², Matthew J Fuxjager¹, Catherine A Marler¹, ¹*University of Wisconsin - Madison*, ²*University of North Carolina – Greensboro*

P3.21 AGE AND SEXUAL EXPERIENCE INFLUENCE MATING-INDUCED PHOSPHORYLATION OF NMDA RECEPTORS IN THE MEDIAL PREOPTIC AREA

Victoria L Nutsch¹, Di Wu², Andrea C Gore², Juan M Dominguez³, ¹*Inst Neurosci, Univ Texas Austin, TX*, ²*Dept Pharm Toxicol, Univ Texas Austin, TX*, ³*Dept Psychol, Univ Texas Austin, TX*

P3.22 DOPAMINE SPECIFICITY TO PUP- AND FOOD-STIMULI IN POST-PARTUM AND CYCLING FEMALE RATS

Waqqas Shams, Veronica M. Afonso, Alison S. Fleming, *Department of Psychology, University of Toronto Mississauga, Mississauga, Ontario, Canada*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P3.23 EFFECTS OF MOOD, AROUSAL AND AFFECTIVE VALENCE ON SALIVARY LEVELS OF TESTOSTERONE AND CORTISOL

Gonçalo A. Oliveira¹, Pedro V. Alves¹, Patricia C. Mendonça¹, Teresa M. Garcia-Marques², Rui F. Oliveira^{1,3}, ¹*Eco-Ethology Research Unit, ISPA - Instituto Universitário, Lisboa, Portugal*, ²*UIPCDE, ISPA - Instituto Universitário, Lisboa, Portugal*, ³*Champalimaud Neuroscience Programme, Instituto Gulbenkian de Ciência, Oeiras, Portugal*

P3.24 INFANT TEMPERAMENT AND LONGITUDINAL CONSISTENCY OF PLASMA CONCENTRATIONS OF OXYTOCIN AND VASOPRESSIN IN RHESUS MONKEYS (MACACA MULATTA)

Tamara AR Weinstein¹, Karen L Bales², John P Capitanio², ¹*Department of Psychology, Simpson College, Indianola, IA*, ²*Department of Psychology & California National Primate Research Center, University of California, Davis, CA*

P3.25 INTRAHIPPOCAMPAL ESTRADIOL ENHANCES OR IMPAIRS PLACE LEARNING DEPENDING ON TIMING OF EXPOSURE

Claire J Scavuzzo¹, Raquel L Collier², Donna L Korol³, ¹*Neuroscience Program*, ²*Psychology Dept*, ³*Neuroscience Program, Psychology Dept, Institute for Genomic Biology*

P3.26 PERIPHERALLY ADMINISTERED NALOXONE DECREASES APPROACH TO A SEXUAL CONDITIONED STIMULUS DURING EXTINCTION: LONG TERM EFFECTS

Kevin S. Holloway, Alexander E. Linsalata, Marissa F. Gauthier, Erika A. Militana, Jillian L. Shaw, *Vassar College*

P3.27 ESTROGENS AND COGNITION IN BRCA1 AND BRCA2 CARRIERS FOLLOWING PROPHYLACTIC OOPHORECTOMY

Deborah Schwartz¹, Amy Finch², Steven Narod², Elizabeth Hampson³, Gillian Einstein¹, ¹*Department of Psychology, University of Toronto*, ²*Women's College Research Institute, Toronto*, ³*Department of Psychology, University of Western Ontario*

P3.28 THE EFFECTS OF NUCLEAR RECEPTOR COREPRESSOR (NCOR) DISRUPTION ON GENE EXPRESSION WITHIN THE DEVELOPING AMYGDALA

Heather M Jessen¹, Mira H Kolodkin², Meaghan E Bychowski², Catherine J Auger¹, Anthony P Auger¹, ¹*Psychology Department, University of Wisconsin-Madison, Madison, Wisconsin*, ²*Neuroscience Training Program, University of Wisconsin-Madison, Madison, Wisconsin*

P3.29 ULTRASONIC VOCALIZATIONS AND MATE CHOICE IN MALE PRAIRIE VOLES

Sean T Ma, Shanna L Harkey, Alejandra Balen, Kelsey Satkowiak, Brandon J Aragona, *Department of Psychology, University of Michigan, Ann Arbor, MI*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P3.30 SLEEP PATTERNS ARE CHANGED IN A DEVELOPMENTAL MODEL OF AUTISM SPECTRUM DISORDER

Danielle M Cusmano¹, Michael A Castello², Shaun S Viechweg², Jessica A Mong¹,
¹*Program in Neuroscience, Department of Pharmacology and Experimental Therapeutics, University of Maryland, School of Medicine, Baltimore, Maryland,* ²*Department of Pharmacology and Experimental Therapeutics, University of Maryland, School of Medicine, Baltimore, Maryland*

P3.31 NEUROMOLECULAR AND BEHAVIOURAL CORRELATES OF STRESS RESPONSIVENESS IN STICKLEBACKS

Nadia Aubin-Horth¹, Marilou Deschênes², Sophie Cloutier², ¹*Biology Department & Institute for Integrative and Systems Biology, Laval University, Quebec City, QC, Canada,* ²*Biological Sciences Department, Université de Montreal, Montreal, QC, Canada*

P3.32 DOSE-DEPENDENT EFFECTS OF ESTROGEN RECEPTOR SPECIFIC AGONISTS ON PHYSIOLOGY AND BEHAVIOR IN FEMALE RHESUS MONKEYS

Vasiliki Michopoulos¹, Catherine Barrett¹, Mark E. Wilson¹, Donna Toufexis^{1,2}, ¹*Yerkes National Primate Research Center, Emory University,* ²*Department of Psychology, University of Vermont*

P3.33 EFFECTS OF SELECTIVE AND LESS-SELECTIVE ALPHA2-NORADRENERGIC AGENTS INFUSED INTO THE VENTRAL BED NUCLEUS OF THE STRIA TERMINALIS ON ANXIETY BEHAVIOR IN POSTPARTUM AND VIRGIN FEMALE RATS

Carl D Smith, Joseph S Lonstein, *Psychology, Michigan State University, East Lansing, MI*

P3.34 EXAMINING Y-CHROMOSOME EFFECTS ON HUMAN SEX-TYPED BEHAVIOR

Adriene M. Beltz¹, Kristina L. Bryk¹, Sarah E. Barcoucky¹, Charmian A. Quigley², Sheri A. Berenbaum¹, ¹*Department of Psychology, The Pennsylvania State University, University Park, Pennsylvania,* ²*Department of Pediatric Endocrinology, Indiana University School of Medicine, Indianapolis, Indiana*

P3.35 INHIBITION OF NITRIC OXIDE DIFFERENTIALLY AFFECTS PHOTOPERIOD-INDUCED AGGRESSION IN SIBERIAN HAMSTERS

Tracy A Bedrosian¹, Laura K Fonken¹, Gregory E Demas², Randy J Nelson¹, ¹*Department of Neuroscience, The Ohio State University, Columbus, OH,* ²*Department of Biology, University of Indiana, Bloomington, IN*

P3.36 PHA-INDUCED NEUROINFLAMMATION INITIATES THE TRANSCRIPTION AND TRANSLATION OF GLIAL AROMATASE IN THE UNINJURED SONGBIRD BRAIN

Kelli A Duncan¹, Colin J Saldanha², ¹*Department of Biological Sciences, Lehigh University, Bethlehem, PA,* ²*Department of Biological Sciences and Cognitive Science Program, Lehigh University, Bethlehem, PA*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P3.37 PUP PRESENCE MODULATES BOLD FMRI RESPONSIVENESS OF THE MATERNAL BRAIN TO A DRUG-PAIRED CUE

Martha K Caffrey, Marcelo Febo, *Northeastern University*

P3.38 ROLE OF CORTICOTROPHIN RELEASING FACTOR IN SEXUAL BEHAVIOR AND EXPERIENCE IN THE MALE RAT

Andrea R Di Sebastiano, Xu Wang, Lique M Coolen, *Anatomy and Cell Biology, University of Western Ontario, London, Canada*

P3.39 STEROID CONCENTRATIONS IN PLASMA, WHOLE BLOOD, AND BRAIN: EFFECTS OF SALINE PERFUSION TO REMOVE BLOOD CONTAMINATION FROM BRAIN

Matthew D Taves, Kim L Schmidt, Ilan M Ruhr, Kasia Kapusta, Nora H Prior, Kiran K Soma, *University of British Columbia*

P3.40 TRAUMA INDUCED ALTERATIONS IN SEXUAL BEHAVIORS AND ANXIETY LEVELS OF MALE RATS

Wayne Hawley¹, Elin Grissom¹, Lisa Keskitalo², Tyler Hastings², Gary Dohanich³,
¹*Department of Psychology, Tulane University, New Orleans, LA*, ²*Program in Neuroscience, Tulane University, New Orleans, LA*, ³*Department of Psychology and Program in Neuroscience, Tulane University, New Orleans, LA*

P3.41 ANDROGENS MEDIATE MALE-SPECIFIC CHEMICAL CUES USED FOR SEX RECOGNITION IN A LIZARD

Alison Golinski¹, Lukáš Kratochvíl², Henry John-Alder¹, ¹*Rutgers University, New Brunswick, NJ*, ²*Charles University, Prague, Czech Republic*

P3.42 C-FOS ACTIVATION IN OXYTOCIN RECEPTOR KNOCKOUT MICE FOLLOWING EXPOSURE TO SOILED VERSUS CLEAN BEDDING

Monica B. Dhakar¹, Heather K. Caldwell¹, Heon-Jin Lee², W. Scott Young III³, ¹*Department of Biological Sciences and the School of Biomedical Sciences, Kent State University, Kent, Ohio, USA*, ²*Department of Dental Microbiology, Kyungpook National University, School of Dentistry, Daegu, South Korea*, ³*Section on Neural Gene Expression, NIMH, NIH, DHHS, Bethesda, Maryland, USA*

P3.43 CHRONIC COCAINE-INDUCED PSYCHOMOTOR ACTIVATION AND FOSB IMMUNOREACTIVITY IN THE NUCLEUS ACCUMBENS OF MALE AND FEMALE RATS

Satoru M Sato, Andrew F McCollum, Anne Marie Wissman, Catherine S Woolley, *Neurobiology & Physiology, Northwestern University, Evanston, IL*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P3.44 LONG-TERM CONSEQUENCES OF EARLY-LIFE MATERNAL DEPRIVATION IN A BIPARENTAL SPECIES, THE ZEBRA FINCH: CORTICOSTEROID RECEPTOR AND FOS EXPRESSION

Elizabeth Adkins-Regan¹, Sunayana Banerjee¹, Adam Arterbery², Sneeha Sharma¹, Michelle Lee¹, ¹*Psychology, Cornell U., Ithaca NY*, ²*Neurobiology & Behavior, Cornell U., Ithaca NY*

P3.45 OBJECT RECOGNITION IS REGULATED BY THE X-LINKED JARID1C GENE THROUGH ITS TRANSCRIPTIONAL REPRESSION OF GABAERGIC NEUROTRANSMISSION

Megan Andreassi, Jun Xu, *Tufts Univ. Dept. of Biomedical Sci., North Grafton, MA*

P3.46 PERIPHERAL TUMORS AND BRAIN MICROGLIAL ACTIVATION

Leah M. Pyter, Sarah El Mouatassim Bih, Brian J. Prendergast, *Psychology, Institute for Mind and Biology, University of Chicago, Chicago, IL*

P3.47 MEDIAL PREFRONTAL CORTICAL CONTRIBUTION TO THE EXPRESSION OF MATERNAL BEHAVIOR ACROSS THE POSTPARTUM PERIOD: EFFECTS OF TRANSIENT SUBAREA-SPECIFIC NEURAL INACTIVATION

Mariana Pereira, Joan I Morrell, *Center for Molecular and Behavioral Neuroscience, Rutgers University, Newark NJ*

P3.48 BEHAVIORAL CONSEQUENCES OF PRENATAL STRESS AND ANTIDEPRESSANT EXPOSURE ON ADOLESCENCE

Nesha R. Jairam¹, Chase Bourke², Catie Capello², Jay Weiss², Kathy Boss-Williams², Micheal Owens², Gretchen Neigh², ¹*Spelman College*, ²*Emory University*

P3.49 DRINKING BUDDIES: ETHANOL-INDUCED CONDITIONED PARTNER PREFERENCE IN FEMALE MICE

Rachel Rice, Christopher Ortega, Ruth I. Wood, *Keck School of Medicine of USC*

P3.50 EFFECTS OF CASTRATION ON AGGRESSION AND OBJECT RECOGNITION IN B6D2F1 MICE

Megha Subramanian¹, Jin Ho Park¹, Mark R. Conaway², Emilie F. Rissman¹, ¹*Department of Biochemistry and Molecular Genetics, University of Virginia, School of Medicine, Charlottesville, VA* ²*Department of Public Health Sciences, University of Virginia, School of Medicine, Charlottesville, VA*

P3.51 EXCITOTOXIC LESIONS OF THE NUCLEUS PARAGIGANTOCELLULARIS ATTENUATE SEXUAL BEHAVIOR IN FEMALE RATS

Joseph J. Normandin, Anne Z. Murphy, *Neuroscience Institute, Georgia State University, Atlanta, GA*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P3.52 HUMAN PARENTAL BRAIN CIRCUITS VARY WITH GENDER, CORRELATE WITH MOOD AND PREDICT BEHAVIOR

James E Swain¹, Pilyoung Kim², Ruth Feldman³, Linda C Mayes², James F Leckman²,
¹*Department of Psychiatry, University of Michigan, Ann Arbor, Michigan*, ²*Child Study Center, Yale University, New Haven, Connecticut*, ³*Department of Psychology, Bar-Ilan University, Ramat Gan, Israel*

P3.53 MALE-BIASED SEX DIFFERENCES IN SONG-CONTROL BRAIN REGIONS OF A SONGBIRD WITH FEMALE-BIASED SEX DIFFERENCES IN SINGING

Zachary J Hall¹, Scott A MacDougall-Shackleton², Marcela Osorio-Beristain³, Troy G Murphy⁴, ¹*Department of Biology, University of Western Ontario, London, Ontario, Canada*, ²*Department of Psychology, University of Western Ontario, London, Ontario, Canada*, ³*Departamento de Ecología Evolutiva, Centro de Investigación en Biodiversidad y Conservación, Universidad Autónoma del Estado de Morelos, Cuernavaca, Morelos, México*, ⁴*Department of Biology, Trinity University, San Antonio, Texas*

P3.54 PHOTOPERIOD-EVOKED IMPAIRMENT OF LTP AND LEARNING AND MEMORY: A RODENT MODEL OF BRAIN PLASTICITY

James C. Walton¹, Zhixiong Chen², Zachary M. Weil¹, Joseph B. Travers², Randy J. Nelson¹, ¹*The Ohio State University Department of Neuroscience*, ²*The Ohio State University, Department of Oral Biology*

P3.55 RAPID EFFECTS OF 17 β -ESTRADIOL ON SOCIAL RECOGNITION LEARNING IN FEMALE MICE

Anna Phan¹, Favaro J Kayla², Neil J MacLusky², Choleris Elena¹, ¹*Dept Psychology, University of Guelph*, ²*Dept Biomedical Sciences, University of Guelph*

P3.56 REPRODUCTIVE IMPACTS OF LIFELONG DIETARY PHYTOESTROGEN CONTENT AND PERINATAL BISPHEINOL-A EXPOSURE IN MICE (MUS MUSCULUS)

Denys deCatanzaro, Robert G Berger, Ayesha Khan, Joelle Thorpe, Adam G Guzzo,
Department of Psychology, Neuroscience & Behaviour, McMaster University, Hamilton ON Canada

P3.57 SAME-SEX SOCIAL BEHAVIOR: LESSONS FROM NONTRADITIONAL RODENT MODELS

Annaliese K Beery¹, Irving Zucker², ¹*UCSF, San Francisco, CA*, ²*UC Berkeley, Berkeley, CA*

P3.58 SEX DIFFERENCES IN LEARNING STRATEGY AND SPATIAL MEMORY IN ADULT AND PREPUBESCENT RATS

Elin Grissom¹, Wayne Hawley¹, Gary Dohanich², ¹*Department of Psychology, Tulane University, New Orleans, LA*, ²*Department of Psychology and Program in Neuroscience, Tulane University, New Orleans, LA*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

- P3.59 STEROID HORMONE-INDEPENDENT EFFECTS OF MATERNAL EXPERIENCE ON MATERNAL BEHAVIOR AND MATERNAL MOTIVATION IN C57 MICE**
Danielle S Stolzenberg, Emilie F Rissman, *University of Virginia*
- P3.60 STIMULUS SPECIFICITY IN SUBJECTIVE SEXUAL AROUSAL IN MEN, WOMEN, AND WOMEN WITH ANDROGEN INSENSITIVITY**
Janice Hassett¹, Jennifer Wilson¹, Kristina Bryk², Charmian Quigley³, Sheri Berenbaum², Stephan Hamann¹, Kim Wallen¹, ¹*Psychology Department, Emory University, Atlanta, GA*, ²*Psychology Department, The Pennsylvania State University, University Park, PA*, ³*School of Medicine, Indiana University, Indianapolis, IN*
- P3.61 THE EFFECTS OF CHRONIC STRESS ON MAMMARY TUMOR BIOLOGY IN AN INDUCIBLE MOUSE MODEL OF BREAST CANCER**
Andrea L Silva¹, Elizabeth Y Takahashi¹, Hanin Rfidi², Colleen Sweeney², Brian C Trainor³, ¹*Psychology, UC Davis*, ²*UC Davis Cancer Center*, ³*Psychology, UC Davis, UC Davis Cancer Center*
- P3.62 THE EFFECTS OF VARIATIONS IN VITAMIN D DURING MATING, PREGNANCY AND LACTATION OF RAT DAMS ON THE DEVELOPMENT AND BEHAVIOUR OF THEIR OFFSPRING**
Pauline Pan, Katherine Halievski, Daniel Jin, Daeria Lawson, David Remedios, Cassandra Smetka, Munmun Chatterjee-Chakraborty, Alison S Fleming, *Dept. of Psychology, University of Toronto at Mississauga, Mississauga, ON, Canada*
- P3.63 THE ROLE OF DRG NEURONS AND SEX IN CANCER PAIN**
Jennifer L Triemstra, Alvin J Beitz, *Veterinary Medicine, University of Minnesota*
- P3.64 POSTPARTUM AND NULLIPAROUS WOMEN DIFFER IN THE RELATIONSHIP BETWEEN OXYTOCIN AND AMYGDALA ACTIVATION IN RESPONSE TO NEGATIVE STIMULI**
Heather A Rupp¹, Thomas W James², Ellen D Ketterson³, Dale R Sengelaub², Fernando Munoz¹, Julia R Heiman¹, ¹*Kinsey Institute, Indiana University, Bloomington, IN*, ²*Psychological and Brain Sciences, Indiana University, Bloomington, IN*, ³*Biology, Indiana University, Bloomington, IN*
- P3.65 OBJECT RECOGNITION IS REGULATED BY THE X-LINKED JARID1C GENE THROUGH ITS TRANSCRIPTIONAL REPRESSION OF GABAERGIC NEUROTRANSMISSION**
Megan Andreassi, Jun Xu, *Tufts University*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P3.66 BEHAVIORAL ENDOCRINE CORRELATES OF SOCIAL SUPPORT IN WILD CHACMA BABOONS

Liza R. Moscovice¹, Toni E. Ziegler², Dorothy L. Cheney³, Robert M. Seyfarth⁴,
¹*Corresponding Author. Department of Biological Sciences, Binghamton University, Binghamton, NY,* ²*National Primate Research Center, University of Wisconsin-Madison, Madison, WI,* ³*Department of Biology, University of Pennsylvania, Philadelphia, PA,* ⁴*Department of Psychology, University of Pennsylvania, Philadelphia, PA*

P3.67 EFFECTS OF ANDROSTENEDIONE ON SOCIAL APPROACH RESPONSES IN MALE GOLDFISH

Alex Keeney, Richmond R Thompson, *Bowdoin College*

P3.68 GENE EXPRESSION IN AMYGDALA OF LOW SEXUALLY-PERFORMING RAMS: ARE RAMS PRACTICING ABSTINENCE?

Anna M Fuller, Kathy J Austin, Valerie A Uthlaut, Kristi M Cammack, Brenda M Alexander, *Dept. of Animal Science, University of Wyoming, Laramie, Wyoming*

P3.69 INTERMALE AGGRESSION IN TOTAL AND FOREBRAIN OXYTOCIN RECEPTOR KNOCKOUT MICE

Emily Reno¹, Megan Rich¹, Heon-Jin Lee², W. Scott Young, III³, Heather K. Caldwell¹,
¹*Department of Biological Sciences and the School of Biomedical Sciences, Kent State University, Kent, Ohio,* ²*Department of Dental Microbiology, Kyungpook National University, School of Dentistry, Daegu, South Korea,* ³*Section on Neural Gene Expression, NIMH, NIH, DHHS, Bethesda, Maryland*

P3.70 OPIOID REGULATION OF PAIR BOND MAINTENANCE IN PRAIRIE VOLES

Shanna L Harkey, Anna Brock, Morgan A Kuhnmench, Brandon J Aragona, *University of Michigan*

P3.71 SOCIALITY AND BOLDNESS IN MALE ZEBRA FINCHES ARE DECREASED BY VASOTOCIN ANTISENSE OLIGODEOXYNUCLEOTIDE INFUSIONS INTO THE BED NUCLEUS OF THE STRIA TERMINALIS, A MAJOR LOCUS FOR BEHAVIORAL DIVERSITY

Aubrey M Kelly¹, Richmond R Thompson², Sara E Schrock¹, David Kabelik¹, Marcy A Kingsbury¹, James L Goodson¹, ¹*Department of Biology, Indiana University, Bloomington, Indiana, USA,* ²*Neuroscience Program, Bowdoin College, Brunswick, Maine*

P3.72 SEX DIFFERENCES IN MEMORY

Jaime L. Palmer-Hague, Doreen Kimura, Neil V. Watson, *Department of Psychology, Simon Fraser University, Burnaby, BC, CANADA*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

- P3.73 SOCIAL STRESS DURING ADOLESCENCE AFFECT SOCIAL COGNITION IN ADULT MICE**
Jasmina Kercmar¹, Tomaz Budefeld¹, Neza Grgurevic¹, Stuart A Tobet², Gregor Majdic¹,
¹*University of Ljubljana, Ljubljana, Slovenia*, ²*Department of Biomedical Sciences, Colorado State University, Fort Collins, Colorado*
- P3.74 STRESS INDUCED MODULATION OF ADRENAL PROGESTERON RELEASE IN MALE RATS**
Cara M Hueston, Hollin M Buck, Terrence Deak, *Behavioral Neuroscience Program, Department of Psychology, Binghamton University, Binghamton, NY*
- P3.75 THE BEHAVIORAL EFFECTS OF PROGESTERONE ON PAIR-BONDING IN ZEBRA FINCHES**
Daniel M Vahaba, Kristina O Smiley, Michelle L Tomaszycski, *Wayne State University - Dept. of Psychology*
- P3.76 THE VENTRAL TEGMENTAL AREA DOPAMINE SYSTEM IS MASCULINIZED BY PRENATAL TESTOSTERONE VIA ANDROGEN RECEPTOR ACTION IN FEMALE SHEEP**
Erinna Brown¹, Theresa Lee², Vasantha Padmanabhan³, Michael N. Lehman¹, Lique M. Coolen¹, ¹*Anatomy and Cell Biology, University of Western Ontario, London, Canada*, ²*Psychology, University of Michigan, Ann Arbor MI*, ³*Reproductive Sciences, University of Michigan, Ann Arbor, MI*
- P3.77 RAPID EFFECTS OF ESTRADIOL ON SIGNALING CASCADES IN MALE SONG SPARROW BRAIN: IS THERE A SEASONAL DIFFERENCE?**
Sarah A. Heimovics¹, Nora H. Prior¹, Chris Maddison², Kiran K. Soma¹, ¹*University of British Columbia*, ²*University of Toronto*
- P3.78 REPRODUCTIVE EXPERIENCE ALTERS THE ESTROGEN-INDUCED EFFECT ON COGNITIVE STRATEGY IN THE FEMALE RAT**
Dema Hussain, Barbara Woodside, Wayne Brake, *CSBN, Concordia University, Montreal, Quebec, Canada*
- P3.79 SEX DIFFERENCES IN THE ABILITY OF TESTOSTERONE TO INDUCE SONG IN CANARIES**
Farrah N. Madison, Melvin L. Rouse Jr., Gregory F. Ball, *Department of Psychological and Brain Sciences, Johns Hopkins University, Baltimore, MD*
- P3.80 EXOGENOUS ESTRADIOL DIFFERENTIALLY BINDS IN THE REPRODUCTIVE TISSUES OF PRE-PUBERTAL AND INSEMINATED FEMALE MICE (MUS MUSCULUS)**
Adam C Guzzo, Denys deCatanzaro, *Psychology, Neuroscience & Behaviour, McMaster University, Hamilton, Ontario, Canada*
- P3.81 ESTRADIOL IMPLANTS IN THE MEDIAL PREEPTIC AREA INDUCE SEXUAL BEHAVIOUR IN NON-COPULATING MALE RATS**
Edwards Antonio-Cabrera, Raúl G Paredes, *Instituto de Neurobiología, UNAM*

**SOCIETY FOR BEHAVIORAL NEUROENDOCRINOLOGY 14th ANNUAL MEETING
POSTER SCHEDULE**

P3.82 EFFECTS OF SEX AND GENOTYPE ON SEROTINERGIC INNERVATION OF THE MPN IN ADULT PROGESTERONE RECEPTOR KNOCKOUT MICE

Laurel A Beck, Christine K Wagner, *Dept Psychology, University at Albany*

P3.83 PHOTOPERIODIC RESPONSE OF RFAMIDE-RELATED PEPTIDE (RFRP) NEURONS IN SYRIAN HAMSTERS AND GENETICALLY SELECTED RESPONSIVE AND NON-RESPONSIVE WHITE-FOOTED MICE

Emily Nicole C Manoogian¹, Alex O Mason¹, George E Bentley², Kazuyoshi Tsutsui³, Paul D Heideman⁴, Lance J Kriegsfeld¹, ¹*Psychology, University of California, Berkeley CA*, ²*Biology, University of California, Berkeley CA*, ³*Biology, Waseda University, Tokyo, Japan*, ⁴*Biology, College of William and Mary, Williamsburg, VA*

P3.84 ESCAPE FROM X-INACTIVATION: PUTTING THE XI BACK INTO SEX?

Paul J. Bonthuis¹, Kimberly H. Cox¹, James K. Patteson², Michelle J. Edwards², Stefan Bekiranov², Emilie F. Rissman³, ¹*Neuroscience Graduate Program, University of Virginia, Charlottesville, VA*, ²*Biochemistry and Molecular Genetics, University of Virginia, Charlottesville, VA*, ³*Biochemistry and Molecular Genetics, Neuroscience Graduate Program, University of Virginia, Charlottesville, VA*

P3.85 INTERPLAY BETWEEN MATERNAL CARE AND PLAY BEHAVIOR DURING DEVELOPMENT IN MICE

Becca Franks, James P. Curley, Frances A. Champagne, *Columbia University*

P3.86 EFFECTS OF LEPTIN INFUSION DURING PEAK LACTATION ON FOOD INTAKE, BODY COMPOSITION, LITTER GROWTH AND MATERNAL NEUROENDOCRINE STATUS IN FEMALE BRANDT'S VOLES (LASIOPODOMYS BRANDTII)

Jianguo Cui¹, Gangbin Tang¹, Speakman John², Dehua Wang¹, ¹*State Key Laboratory of Integrated Management of Pest Insects and Rodents, Institute of Zoology, Chinese Academy of Sciences, Beichen Xilu, Chaoyang District, Beijing, China*, ²*Institute of Biological and Environmental Sciences, University of Aberdeen, Aberdeen, Scotland, UK*

P3.87 EFFECTS OF BIOLOGICAL SEX AND HORMONAL STATUS ON A NOVEL OBJECT MEMORY TASK IN RATS

Katherine T. Cost¹, Gary Dohanich², ¹*Program in Neuroscience*, ²*Department of Psychology and Program in Neuroscience, Tulane University*

P3.88 PROLONGED EXPOSURE TO TESTOSTERONE IMPROVES SPATIAL LEARNING IN MALE RATS

Mark D. Spritzer, Meagan K. Coneeny, Shannon M. Engelman, William T. Prince, *Program in Neuroscience and Department of Biology, Middlebury College, Middlebury, Vermont*