SBN Society for Behavioral Neuroendocrinology

Updated Mon Jun 13 16:18:28 2005

2005 Meeting General Information

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Society for Behavioral Neuroendocrinology Annual Meeting
Hosted by The University of Texas at Austin
Austin, Texas

GENERAL INFORMATION

LOCATION AND HOUSING: A number of rooms have been reserved in two adjacent student dorms on the campus of The University of Texas in the San Jacinto Residence Hall and the Jester Center (see **Housing** page for details). The San Jacinto Residence Hall is also the location of the meeting sessions and workshops. The Jester Center is the biggest student dorm at The University and includes many amenities available to conference participants. Additional rooms will be available in hotels and bed & breakfasts within the downtown area and the vicinity of campus. The number of rooms available at the Jester Center and San Jacinto Residence Hall is limited. Students will have priority for housing in the Jester Center. Rooms in the dorms will be assigned on a first-come first served basis.

Poster sessions will be held across the street from the San Jacinto Residence Hall in the Recreational Sports Center. The opening reception will be held at the Texas Memorial Museum, a few blocks away from the San Jacinto Residence Hall. The conference banquet will be held at the Texas Union Building near the University Tower (Main Building).

STUDENT HOUSING: Student housing will be available at the Jester Center (See **Housing** for details).

FOOD AND DRINK: Morning and afternoon beverage breaks will be provided during the meeting sessions. Options for breakfast, lunch and dinner will be available at the Jester Center. There are several food courts on the first and second floors of the Jester Center. There is also a cafeteria in the San Jacinto Residence. A number of bars and restaurants are located within 10-15 minutes walk of the San Jacinto Residence Hall. In addition, Austin hosts a large variety of restaurants, bars and entertainment in the downtown area and many other parts of town (See **Dinner and Entertainment** lists). Busses regularly shuttle people between the downtown area and campus.

TRANSPORTATION: The Austin-Bergstrom International Airport is located eight miles from downtown, and within a 20-minute drive. Transportation is available through the following means:

Taxis, limousine, and shuttles: Shuttles, limousine and taxis are available at the airport. Rates vary between companies. Expect to pay ca. $25 for a cab ride from the airport to the San Jacinto Residence Hall. Contact shuttle and limousine service in advance to guarantee a reservation. Visit the Taxi and Shuttle desks at the proximity of the luggage claim area. SuperShuttle serves the Austin airport (Austin direct number: 512-258-3826; National number: 1-800-BLUE VAN). Taxi service is available from American Yellow Checker cab (512-452-9999), Austin Cab (512-478-22220, and Roy's Taxi (512-482-0000).

Rental Cars: Rental car companies have booths located at the vicinity of the luggage claim area. Most rental cars are parked in the top floor of the Airport garage across the street from the luggage claim area.

Bus: Capital Metro Bus (512-474-1200) has a route (Route 100) serving the Airport every 40 minutes and riding to the downtown area and The University (Dean Keeton and Speedway). There is a bus stop near San Jacinto st

Residence Hall at the corner of 21 street and San Jacinto.

Driving Directions from the Airport:

Directions To campus:

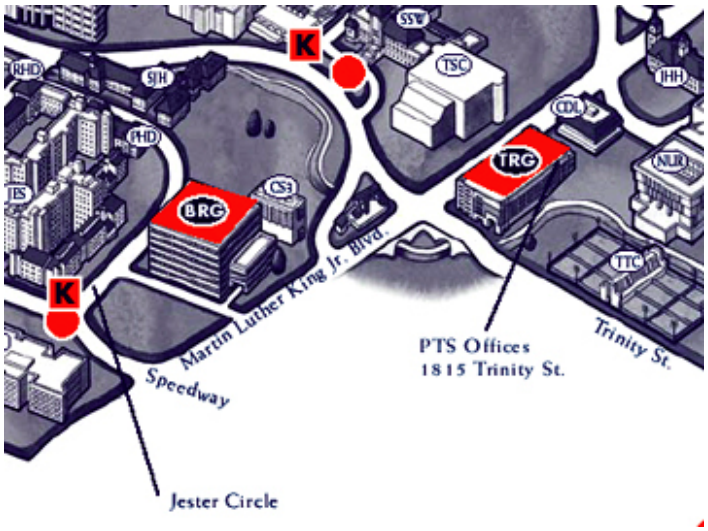
- Follow the signs to exit the airport.
- Turn left on 290 Westbound toward town.
- Veer right on Airport Blvd.
- After a few miles, take a left on Martin Luther King Blvd.
- Follow Martin Luther King Blvd across I-35.
- The campus is located just after I-35.
- The third street on the left (San Jacinto St..) will enter campus.
- Just past the guard booth at the stop sign, turn left into 21st street.
- The San Jacinto Residence Hall is the first building on the left.
- The fifth road on the right on Martin Luther King Blvd will get you to Brazos garage which is located next to the Jester Center and near the San Jacinto Residence Hall.
- Beware that Texas drivers can be worse than Boston drivers, and drive bigger cars.

Directions to downtown:

- Follow the signs to exit the airport.
- Turn left on 290 Westbound toward town.
- Remain on 290 Westbound for a few miles until I-35 North.
- Turn right into I-35 north and drive towards town.
- Past Town Lake, the streets are perpendicular to I-35 and numbered in increasing rank. Take the exit closest to the appropriate street.
- Most hotels are located on the right of I-35.
- Keep in mind that most of these streets only allow one-way traffic.
- Beware that Texas drivers can be worse than Boston drivers, and drive bigger cars.

PARKING: While parking is available at the Brazos Parking Garage (Brazos and Martin Luther King Blvd), you will get charged by the hour (up to $14/day) and for every entrance and exit. Alternatively, you can register across the boulevard at the Trinity Parking Garage office at the junction of Trinity and Martin Luther King Blvd . This garage is closest to the Poster sessions at the Recreational Sports Center. Participants to the SBN conference can purchase parking passes at the Trinity Parking Garage for about $30. These passes will be valid for the period of June 21 to June 25. These are SWIPE cards to be used on the RED machine at the entrance and exit of the garage.

UT Visitor Parking Map



CLIMATE AND ATTIRE: In June, temperatures climb into the 90s (30-35 °C) between 10:00 am and 5:00 pm, and decrease to the mid 70s (ca. 20 °C) during the night. Rain showers are not uncommon during the night. Days can be humid or dry. Please, check with local weather forecast for more accurate information. All events will be

held indoors in air-conditioned environments. Attire for the conference is casual.

REGISTRATION: The registration desk will be set up in the San Jacinto Residence Hall near the conference sessions, by Wednesday June 22nd at 10:00 AM. The meeting registration fee includes morning and afternoon beverage breaks. The fee also covers the cost of one banquet ticket.

	Postmarked by April 1, 2005	*Postmarked after April 1, 2005*
SBN Member (includes post-docs)	$200	$225
Non-Member	$250	$275
Graduate Student Member	$100	$125
Graduate Student Non-Member	$125	$150
Undergraduate Student	$75	$100

Please visit the Registration page for additional information about registration and membership forms and fees.

REFUNDS: Request for refunds will be honored until June 1st. See registration page for details.

RECEPTION AND REGISTRATION: There will be an opening reception from 6:00 to 9:00 pm on Wednesday June 22nd, at the Texas Memorial Museum. Registration will start on Wednesday June 22nd at 10:00 am in the San Jacinto Residence Hall, and will continue from 8:00 am to 1:00 pm on June 23, 24, and 25.

SCIENTIFIC SESSIONS: Oral sessions will be held from 8:30 through 5:00 at the San Jacinto Residence Hall on June 23, 24, and 25. Three poster sessions will be held in separate meeting rooms across San Jacinto St. at the Recreational Sports Center from 5:00 to 8:00 pm on the same days.

STUDENT PROGRAM: Several events and workshops are being planned by the Education Committee. Details will be posted.

POSTER BOARDS: The boards are 4 feet high and 8 feet wide with a display surface on each side. Poster presenters may begin putting up their posters at 1:00pm on the day of their presentation. Posters must be taken down after the session by 10:00pm.

ORAL PRESENTATIONS: Computer projection (both MAC and PC) will be available at all sessions and their use is strongly recommended. Other media may be available upon request. All presenters will be contacted prior to the conference by the session chairs to inquire about individual audiovisual needs and computer preference.

CONFERENCE BANQUET: A banquet dinner will be held the evening of the final meeting day (June 25th), from 8:00 pm through 12:00 Midnight at the Texas Union Building. The dinner will be followed by general announcements by the Society for Behavioral Neuroendocrinology, and student awards. Music will be provided during and following the dinner. The price of the banquet is included in the registration fee. Additional tickets are available for $50 each.

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SBN Society for Behavioral Neuroendocrinology

(Updated Mon Jun 13 14:53:40 2005)

2005 Meeting Program

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Society for Behavioral Neuroendocrinology Annual Meeting
Hosted by the University of Texas at Austin
Austin, Texas
June 22 - June 25, 2005

PROGRAM

WEDNESDAY, JUNE 22

1:00 - 5:00pm **PRE-MEETING WORKSHOP**
Soy on the brain: Practical and theoretical aspects of phytoestrogens actions on neuroendocrine systems and behavior.
Chair: Heather Patisaul (CIT: Centers for Health Research)

1:00 - 1:20pm Heather Patisaul (CIT)
Soy on the brain: Practical and theoretical aspects of phytoestrogens actions on neuroendocrine systems and behavior.

1:20 - 1:50pm Trent Lund (Stoelting Co.)
Equol's Unique Anti-Androgen Action

1:50 - 2:20pm Edwin Lephart (Brigham Young University)
Dietary isoflavones: influence on regulatory behaviors, hormones and neuroendocrine function

2:20 - 2:50pm **Coffee Break**

2:50 - 3:20pm Jay Kaplan (Wake Forest University)
High isoflavone soy protein has different behavioral effects on male and female monkeys

3:20 - 3:50pm Ethan Clotfelter (Amherst College)
Environmental consequences of phytoestrogen contamination

3:50 - 5:00pm Break into small working groups for data discussions

5:00pm **Reception**

THURSDAY, JUNE 23

8:15 - 8:30am **HOSTS GREETING**

8:30 - 11:00am MORNING SESSION
Neuroendocrine Regulation of Obesity
Chair: Jennifer Temple (University at Buffalo)

8:30 - 9:00am Joel Elmquist (Harvard University)
CNS circuits underlying the coordinated control of body weight and glucose homeostasis

9:00 - 9:30am Tim Bartness (Georgia State University)
Body fat regulation by sympathetic and sensory nerves

9:30 - 10:00am Dianne Figlewicz Lattemann (Veterans Affairs Puget Sound Health Care System)
Brain food reward circuitry is a target for adiposity signals

10:00 - 10:30am Christine Pelkman, University at Buffalo
Reproductive hormones and body weight regulation

10:30-11am **Coffee Break**

11-12:00pm ***KEYNOTE SPEAKER***
(*Introduction by Shaila Mani, Baylor College of Medicine)*
Bert O'Malley, Baylor College of Medicine
The diverse biologies of steroid receptor coactivators

12:00 - 1:30pm **Lunch**

1:30 - 4:30pm AFTERNOON SESSION
Young Investigators
Co-Chairs: Diane Witt (NSF) and Juli Wade (Michigan State University)
Speakers: TBA

1:30 - 1:50pm Alfonso Abizaid (Yale School of Medicine)
Ghrelin targets reward circuitry to modulate food intake

1:50 - 2:10pm Brandon Aragona (University of North Carolina)
Pair bonding decreases the reward value of abused drugs

2:10 - 2:30pm Thierry Charlier (University of Leige)

Steroid receptor co-activators in the brain: modulation of steroid-dependent male sexual behavior and neural gene expression

2:30 - 2:50pm Melissa Holmes (Michigan State University)
All lizards are not created equal: steroid hormones and the copulatory neuromuscular system in green anoles and leopard geckos

2:50 - 3:15pm **Coffee Break**

3:15 - 3:35pm Andrea Kudwa (University of Virginia)
Developmental activation of ER beta defeminizes the adult display of female sexual behavior in mice

3:35 - 3:55pm Luke Remage-Healey (Cornell University)
Integrative Field and Laboratory Studies Reveal Rapid Steroid Effects on Social Behavior

3:55 - 4:15pm Kalynn Schulz (Michigan State University)
Puberty: time to get organized

4:15 - 4:35pm Jennifer Temple (University of Buffalo)
Estrogen acts directly on GnRH-1 neurons to increase activity and synchronization

4:45 - 7:00pm ***POSTER SESSION #1***
(Abstracts #32 to 106)

7:00 - 9:00pm ***EDUCATIONAL WORKSHOP***
Diversity in academic and non-academic careers.

FRIDAY, JUNE 24

8:30 - 11:00 MORNING SESSION
Neuro-behavioral consequences of anabolic-androgenic steroid abuse
Chair: Richard Melloni (Northeastern University)

8:30 - 9:00am Leslie Henderson, Dartmouth Medical School
From Subunits to Sex: How Anabolic Steroids Modulate Forebrain GABAergic Transmission

9:00 - 9:30am Ruth Wood, University of Southern California
Anabolic steroid addiction? Insights from animal studies

9:30 - 10:00am Marilyn McGinnis, University of Texas at San Antonio
Behavioral effects of exposure to anabolic androgenic steroids during puberty

10:00 - 10:30am Richard Melloni, Northeastern University
Adolescent Anabolic Steroids: Neuro-developmental Consequences for Aggression

10:30 - 11:00am **Coffee Break**

11:00 - 12:00pm ***PRESIDENTIAL KEYNOTE SPEAKER***
(Introduced by Jacques Balthazart, University of Liege)
Harold Zakon (University of Texas)
Hormones and electric fish: from behavior to genes

12:00 - 1:30pm **Lunch**

1:30 - 4:30pm AFTERNOON SESSION
Growth Factors as "Second messengers" for Reproductive Hormones
CoChairs: Helen Scarfman (Columbia University) and Andrea Kudwa (University of Virginia)

1:30 - 2:00pm Helen Scharfman, Columbia University
BDNF as a mediator of estrogen action in hippocampus

2:00 - 2:30pm Farida Sohrabji, Texas A&M
Estrogen regulation of BDNF in aging and neural injury

2:30 - 3:00pm Cordian Beyer, Universität Tübingen, Tübingen, Germany
Estrogen and growth factor regulation in the brain: from cell signaling to gene expression to cell physiology

3:00 - 3:30pm **Coffee Break**

3:30 - 4:00pm Luis Miguel Garcia-Segura, Istituto Cajal, Madrid, Spain
Cross talk between estrogen receptors and insulin-like growth factor-1 receptor in the brain: molecular mechanisms and functional implications.

4:00 - 4:30pm Anne Etgen, Albert Einstein College of Medicine
Growth factor signaling pathways participate in hormonal regulation of female reproductive behavior

4:30 - 7:00pm ***POSTER SESSION #2***
(Abstracts #107 to 181)

7:00 - 9:00pm ***POLITICAL SCIENCE 101:***
A group discussion headed by Barney Schlinger (UCLA)

SATURDAY, JUNE 25

8:30 - 11:00am MORNING SESSION:
Comparative Models: Lessons from lizards, songbirds, rodents, and Ted Bullock
Chair: Donna Maney (Emory University)

8:30 - 9:00am David Crews, University of Texas, Austin
Evolution of neuroendocrine mechanisms that regulate sexual behavior

9:00 - 9:30am James Goodson, University of California, San Diego
Neural and peptidergic responses to conspecific stimuli vary in relation to sociality

9:30 - 10:00am Miranda Lim, Emory University
The molecular basis for the evolution of monogamy in voles

10:00 - 10:30am Paul Heideman, College of William and Mary
Genetic variation in reproductive neuroendocrinology and behavior in a natural population

10:30 - 11:00am **Coffee Break**

11:00 - 12:00pm ***KEYNOTE SPEAKER:***
Introduced by Rae Silver (Columbia University)
Alison Fleming, University of Toronto
Psychobiology of maternal behavior: What goes around comes around

12:00 - 1:30pm **Lunch**

1:30 - 4:30pm AFTERNOON SESSION:
The Comparative Neurobiology of Sexual Learning
Co-Chairs: James Woodson (University of Tampa) and Melissa Burns-Cusato (University of Virginia)

1:30 - 2:00pm Michael Domjan, University of Texas, Austin
Effects of sexual conditioning on copulatory behavior and reproductive success

2:00 - 2:30pm Kevin Holloway, Vassar College
The effects of androgens and opioids on conditioned sexual appetitive behaviors

2:30 - 3:00pm Heather Hoffmann, Knox College
Classical conditioning of sexual arousal in human males and females.

3:00 - 3:30pm **Coffee Break**

3:30 - 4:00pm Jim Pfaus, Concordia University. Montreal Canada

Neural and hormonal mechanisms of conditioned partner preference in the rat.

4:00 - 4:30pm Raul Paredes, Universidad Nacional Autonoma de Mexico
Conditioned Place Preference and Sexual Reward

4:30 - 7:00pm ***POSTER SESSION #3***
(Abstracts #182 to 252)

8:00pm ***BANQUET***

MORE INFORMATION

Poster Titles (by session)
Preconference Workshops
Career Development Workshops
Meet the Professor Lunches

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2005 Meeting Program

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Society for Behavioral Neuroendocrinology Annual meeting
Hosted by The University of Texas at Austin
Austin, Texas

PRECONFERENCE WORKSHOP

June 22, 1:00 - 5:00pm (San Jacinto Conference Room)

Soy on the brain: Practical and theoretical aspects of phytoestrogens actions on neuroendocrine systems and behavior.
Chair: Heather Patisaul (CIT: Centers for Health Research)

1:00 - 1:20pm	Heather Patisaul (CIT) ***Soy on the brain: Practical and theoretical aspects of phytoestrogens actions on neuroendocrine systems and behavior.***
1:20 - 1:50pm	Trent Lund (Stoelting Co.) ***Equol's Unique Anti-Androgen Action***
1:50 - 2:20pm	Edwin Lephart (Brigham Young University) ***Dietary isoflavones: influence on regulatory behaviors, hormones and neuroendocrine function***
2:20 - 2:50pm	**Coffee Break**
2:50 - 3:20pm	Jay Kaplan (Wake Forest University) ***High isoflavone soy protein has different behavioral effects on male and female monkeys***
3:20 - 3:50pm	Ethan Clotfelter (Amherst College) ***Environmental consequences of phytoestrogen contamination***
3:50 - 5:00pm	Break into small working groups for data discussions

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SBN Society for Behavioral Neuroendocrinology

(Updated Fri Jun 10 16:01:25 2005)

2005 Meeting Program

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Society for Behavioral Neuroendocrinology Annual Meeting
Hosted by The University of Texas at Austin
Austin, Texas

EDUCATIONAL WORKSHOPS

Thursday, June 22
7:00 - 9:00 (San Jacinto Conference Room)

Diversity in Academic and Non-Academic Careers

We have invited individuals currently holding positions in academia, industry, government and science writing to give short presentations on their career trajectories, and then participate in a panel discussion.

Participants include: David Parfitt (faculty member at University of Rochester, formerly at Middlebury College), Ellen Prediger (Director of Scientific Communication and of Technical Service, Ambion), Diane Witt (Program Director, National Science Foundation), and Barbara Rodriguez (Director of Publications & Media Relations, College of Natural Sciences, The University of Texas at Austin).

Organizer: Juli Wade (Michigan State University).

Food and drinks will be available for participants.

Friday, June 22
7:00 - 9:00 (San Jacinto Conference Center, across from conference room)

Political Science 101: Discussion of Public Education, Politics and the Science of the SBN.

A group discussion headed by Barney Schlinger (UCLA).

Food and drinks will be available for participants.

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SBN Society for Behavioral Neuroendocrinology

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2005 Meeting Program

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Society for Behavioral Neuroendocrinology Annual Meeting
Hosted by The University of Texas at Austin
Austin, Texas

POSTERS

Thursday | Friday | Saturday

THURSDAY, JUNE 23. POSTER SESSION #1

32. WHAT SWITCHES ON PRE-PARTUM CHANGES IN CORTISOL AND PROLACTIN IN COTTON TOP TAMARIN FATHERS: CUES FROM THE MATE OR CUES FROM THE INFANTS? Rosamunde E. A. Almond[1], Toni E. Ziegler[2], Charles T. Snowdon[1], *Department of Psychology, University of Wisconsin-Madison, WI, USA*[1], *National Primate Research Center & Dept Psychology,University of Wisconsin-Madison, WI, USA*[2]

33. THE EFFECT OF LOWERING PROLACTIN ON THE EXPRESSION PARENTAL CARE IN PATERNALLY EXPERIENCED MALE COMMON MARMOSETS (CALLITHRIX JACCHUS). Rosamunde E. A. Almond[1], Gillian R. Brown[2], Eric B. Keverne[3], *Department of Psychology, University of Wisconsin-Madison, Madison, WI, USA*[1], *School of Psychology, University of St. Andrews, South Street, St. Andrews, Fife, UK*[2], *Sub-Dept Animal Behaviour, University of Cambridge, Madingley, Cambridge, UK*[3]

35. DOMINANCE STATUS, SEX AND GENE EXPRESSION: THE CASE OF THE MASCULINIZED FEMALE BRAIN. Nadia Aubin-Horth[1], Julie K. Desjardins[2], Yehoda M. Martei[1], Sigal Balshine[2], Hans A. Hofmann[1], *Harvard University, Bauer Center for Genomics Research, 7 Divinity Avenue, Cambridge, MA, 02138, USA*[1], *McMaster University, Department of Psychology, 1280 Main Street West, Hamilton, Ontario, L8S 4K1, Canada*[2]

36. Alpha-fetoprotein (AFP) knock out mice demonstrate the protective role of AFP during brain sexual differentiation. J. Bakker*[1], C. de Mees[2], J. Balthazart[1], C. Szpirer[2], J. Szpirer[2], P. Gabant[2], *Ctr. Cell. Mol. Neurobiol., University of Liège, Liège, Belgium*[1], *Lab. Biol. Develop., Free University of Brussels, Gosselies, Belgium*[2]

37. EFFECTS OF STRESS ON PARENTAL CARE ARE SEXUALLY DIMORPHIC IN PRAIRIE VOLES. Karen L. Bales[1], Kristin M. Kramer[2], Antoniah D. Lewis-Reese[2], C. Sue Carter[2], *Dept. of Psychology, University of California, Davis, CA 95616*[1], *Dept. of Psychiatry and Brain-Body Center, University of Illinois, Chicago, IL 60612*[2]

38. PARTNER PREFERENCE AND SEXUAL BEHAVIOR IN MALE SYRIAN HAMSTERS: STEROIDS AND SEXUAL EXPERIENCE. Cortney L. Ballard, Ruth I. Wood, *Department of Cell and Neurobiology, Keck School of Medicine, USC, Los Angeles, CA*

39. OVARIAN HORMONES, EXPECTANCY, AND SEXUAL REWARD IN THE FEMALE RAT. Erica Barbosa, Lena d'Ostie-Racine, James G. Pfaus, *Center for Studies in Behavioral Neurobiology, Department of Psychology, Concordia University, Montréal, QC, H4B 1R6, CANADA*

40. COLOCALIZATION OF AROMATASE IMMUNOREACTIVE NEURONS AND NITRIC OXIDE REVEALED BY NADPH DIAPHORASE HISTOCHEMISTRY IN THE GARTER SNAKE FOREBRAIN. Joseph Barbosa, Danielle Moore, R.W. Krohmer, *Department of Biological Sciences*, *Saint Xavier University*, *Chicago, IL 60655*

41. GROOMING ACTIVITY IN FEMALE BABOONS AFTER PARTURITION AND ITS RELATIONSHIP TO ENDOCRINE CHANGES. Massimo Bardi[1], Jeffrey A. French[2], Linda Brent[1], *Southwest Foundation for Biomedical Research, San Antonio, TX*[1], *University of Nebraska at Omaha, Omaha, NE*[2]

42. The first month stinks: Effects of maternal odor on later odor preference and survival of postnatally dividing cells in hamster pups. Kevin G. Bath, Samantha C. Larimer, Robert E. Johnston, *Department of Psychology, Cornell University, Ithaca, NY 14853*[1]

43. VISUALIZATION OF C-FOS IN THE BRAINS OF TIME-MATED FEMALE RED-SIDED GARTER SNAKES. Matthew Bauer, Daniel Baleckaitis, R.W. Krohmer, *Department of Biological Sciences*, *Saint Xavier University*, *Chicago, IL 60655*

44. SEX DIFFERENCES IN SEASONAL DECLINE OF HAMSTER FERTILITY. Annaliese K. Beery[1], Justin J. Trumbull[2], Jyeming M. Tsao[2], Ruth M. Costantini[3], Irving Zucker[1], *Helen Wills Neuroscience Institute, University of California, Berkeley*[1], *Psychology Department, University of California, Berkeley*[2], *Integrative Biology Department, University of California, Berkeley*[3]

45. MEDIAL AMYGDALA CATEGORIZES SPECIES-SPECIFIC CHEMOSENSORY INPUT IN HAMSTERS AND MICE, BOTH MALE AND FEMALE. . Blake, CB, Samuelsen, CL, Westberry, JW, Meredith, MM, *Florida State University, Program in Neuroscience, Tallahassee, FL 32306*

46. ESTRADIOL UP-REGULATES GLUTAMINE SYNTHETASE EXPRESSION IN THE MEDIAL BASAL HYPOTHALAMUS AND HIPPOCAMPUS OF ADULT RODENTS. Tamara Blutstein[1], Jessica Mong[2], *Program in Neuroscience, University of Maryland Baltimore, Baltimore, MD 21201*[1], *Program in Neuroscience and Department of Pharmacology and Experimental Theraputics, University of Maryland Baltimore, Balitmore, MD 21201*[2]

47. QUANTITATIVE ANALYSIS OF ESTROGEN RECEPTOR BETA EXPRESSION IN THE MOUSE BRAIN DURING DEVELOPMENT. Cristian C A Bodo[1], Emilie F Rissman[2], *Graduate Program in Neuroscience, University of Virginia School of Medicine*[1], *Department of Biochemistry & Molecular Genetics, University of Virginia School of Medicine*[2]

48. DISTRIBUTION OF REELIN AND ITS CYTOPLASMIC SIGNALING PROTEIN, DAB-1 IN THE FOREBRAIN OF MALE CANARIES. G. Boseret[1], G.F. Ball[2], J. Balthazart[1], *Center for Cellular and Molecular Neurobiology, University of Liège*[1], *Department of Psychological and Brain Sciences, Johns Hopkins University, Baltimore MD, USA*[2]

49. NEITHER PROLACTIN NOR SOCIAL CONTACT IS NECESSARY FOR THE EXPRESSION OF PATERNAL CARE IN THE DJUNGARIAN HAMSTER, PHODOPUS CAMPBELLI. Patricia L. Brooks, Katherine E. Wynne-Edwards, *Department of Biology, Queen's University, Kingston, ON, Canada, K7L 3N6*

50. A POSSIBLE MODEL OF POST-PARTUM DEPRESSION BASED ON HIGH POST-PARTUM LEVELS OF CORTICOSTERONE. Susanne Brummelte[1], Jodi L. Pawluski[2], Liisa A.M. Galea[2], *Department of Neuroanatomy, University of Bielefeld, Germany*[1], *Department of Psychology and Neuroscience Program, University of British Columbia, Vancouver, Canada*[2]

51. THE ROLE OF ESTROGEN RECEPTOR BETA AND THE STRESS RESPONSE IN FEAR CONDITIONED BEHAVIORS. Jennifer Buenzle[1], Marta Wietrzych[2], Hamid Meziane[2], Andree Krust[2], Pierre Chambon[2], Wojciech Krezel[2], *Department of Biochemistry and Molecular Genetics, University of Virginia, School of Medicine, Charlottesville, VA 22908, USA*[1], *Institut de Génétique et de Biologie Moléculaire et Cellulaire, Univeristé Louis Pasteur, 67404 Illkirch Cedex, France*[2]

52. SOCIAL AND BIOLOGICAL INFLUENCES ON AGGRESSION IN MICE. Melissa Burns-Cusato, Emilie F. Rissman, *Department of Biochemistry & Molecular Genetics, The University of Virginia School of Medicine, Charlottesville, VA 22908*

53. THE ROLE OF THE DORSOMEDIAL HYPOTHALAMUS IN SEASONAL REGULATION OF LOCOMOTOR ACTIVITY. Matthew P. Butler[1], Matthew J. Paul[2], Irving Zucker[1,2], *Department of Integrative Biology, University of California, Berkeley*[1], *Department of Psychology, University of California, Berkeley*[2]

54. EFFECT OF VARIATION IN MATERNAL CARE ON ANOGENITAL DISTANCE. N.M. Cameron, E.W. Fish, M.J. Meaney, *Douglas Hospital Research Center, McGill University, Montréal, QC, Canada*

55. TESTOSTERONE-INDUCED SINGING IS REGULATED BY SOCIAL STATUS IN MALE CANARIES (SERINUS CANARIA). C. Carere[1], G. Boseret[1], G.F. Ball[2], J. Balthazart[1], *Center for Cellular & Molecular Neurobiology, University of Liège, Belgium*[1], *Department of Psychological and Brain Sciences, Johns Hopkins University, Baltimore, MD, USA*[2]

56. CORTICOTROPIN RELEASING FACTOR ELICITS LOCOMOTION INDEPENDENTLY OF INCREASES IN CORTISOL IN RAINBOW TROUT (Oncorhynchus mykiss). Russ E. Carpenter[1], Michael J. Watt[1], Gina L. Forster[2], Travis J. Ling[1], Wayne J. Korzan[3], Cliff H. Summers[1], *Department of Biology, University of South Dakota, Vermillion, SD*[1], *Basic Biomedical Sciences, University South Dakota, Vermillion, SD*[2], *Department of Biological Sciences, Stanford University, Stanford, CA*[3]

57. LIGAND AND DNA-BINDING ISOFORMS OF ERa AND ERb mRNA IN FEMALE RAT HINDBRAIN DETERMINED BY RT-PCR. Angie M. Cason, Thomas A. Houpt, *Program in Neuroscience, Department of Biological Science, Florida State University, Tallahassee, FL 32306-4340*

58. ANALYZE THAT! TEMPORAL PATTERNS IN THE DEVELOPMENT OF AGONISTIC BEHAVIOR. Catalina Cervantes, Kereshmeh Taravosh-Lahn , Yvon Delville, *Psychology Department and Institute for Neuroscience, University of Texas, Austin, TX 78712*

59. REGULATION OF OLFACTION, ANXIETY, AND MATERNAL BEHAVIOR IN MICE BY PATERNALLY EXPRESSED GENES. Frances A. Champagne, James P. Curley, Will T. Swaney, E. B. Keverne, *Sub-Department of Animal Behaviour, University of Cambridge, UK CB3 8AA*

61. STABILITY OF FEMALE RATS' PREFERENCE FOR MALE IN TESTS OF PARTNER PREFERENCE. Adam E. Christensen, Rachel J. David, Ann S. Clark, *Department of Psychological and Brain Sciences, Dartmouth College, Hanover NH*

62. EVIDENCE FOR SEASONAL CHANGES IN A DOPAMINE-BASED REWARD SYSTEM IN HYLA CINEREA, THE GREEN TREE FROG. Joanne Chu, Gina Presley, Brittany Johnson, William Lonergan, *Biology Department, Spelman College, Atlanta, GA*

63. BOVINE SERUM CONJUGATED ESTRADIOL IN MALE RAT MEDIAL PREOPTIC AREA FACILITATES COPULATORY BEHAVIOR. Huddleston, Gloria G., Paisley, Jacquelyn C., Clancy, Andrew N., *Department of Biology, Georgia State University, P.O. Box 4010, Atlanta, GA 30302-4010*

64. INHIBITION OF ESTROGEN RECEPTOR SYNTHESIS IN THE MEDIAL PREOPTIC AREA, BUT NOT THE MEDIAL AMYGDALA, REDUCES MALE RAT MATING BEHAVIOR. Jacquelyn Paisley[1], Gloria Huddleston[1], Heather Denman[1], Laura Carruth[1], Matthew Grober[1], Aras Petrulis[2], Andrew Clancy[1], *Biology Department, Georgia State University, Atlanta, GA*[1], *Psychology Department, Georgia State University, Atlanta, GA*[2]

65. DO SI DO: THE ROLE OF STIMULUS ANIMAL PAIRING IN THE EXPRESSION OF PARTNER PREFERENCE IN FEMALE RATS. Ann S. Clark, Sarah H. Meerts, *Department of Psychological and Brain Sciences, Dartmouth College, Hanover NH*

66. DISTRIBUTION OF VASOTOCIN RECEPTOR mRNA IN THE BRAIN OF AN ANURAN AMPHIBIAN. Clark, L.A., Boyd, S.K., *Department of Biological Sciences, University of Notre Dame, Notre Dame, IN 46556.*

67. SELECTIVE ANTAGONISTS FOR CORTICOTROPIN-RELEASING FACTOR TYPE 2 RECEPTORS (CRF-R2), BUT NOT FOR CRF-R1, REDUCE THE ACQUISITION OF CONDITIONED DEFEAT. Matthew A. Cooper, Kim L. Huhman, *Department of Psychology, Center for Behavioral Neuroscience, Georgia State University, Atlanta, GA 30302*

68. CUES FROM MALES ASSOCIATED WITH PACED COPULATION ACTIVATE FOS-IR WITHIN OXYTOCIN AND VASOPRESSIN NEURONS IN THE PARAVENTRICULAR NUCLEUS OF FEMALE RATS. Coria-Avila Genaro A., Solomon, Carrie, Pfaus, James G, *CSBN/Psychology, Concordia University, Montréal, QC, CANADA*

69. DOPAMINE BINDS TO ALPHA2-NORADRENERGIC RECEPTORS IN QUAIL BRAIN: IMPLICATIONS FOR THE ACTIVATION OF MALE SEXUAL BEHAVIOR. Charlotte A. Cornil[1], Jacques Balthazart[2], Gregory F. Ball[1], *Dept Psychol Brain Sci, Johns Hopkins Univ, Baltimore MD, USA*[1], *Ctr Cell & Molec Neurobiol, Univ. Liège, Belgium*[2]

70. EXOGENOUS PROGESTERONE AND OFFSPRING SEX RATIOS IN ZEBRA FINCHES. Stephanie M. Correa , Patricia A. Johnson , Elizabeth Adkins-Regan[3], *Department of Neurobiology & Behavior, Cornell University, Ithaca, NY 14853*[1], *Department of Animal Science, Cornell University, Ithaca, NY 14853*[2], *Departments of Psychology and Neurobiology & Behavior, Cornell University, Ithaca, NY 14853*[3]

71. Social Interaction Improves Experimental Stroke Outcome. Tara K. S. Craft[1], Erica R. Glasper[1], Louise McCullough[2], Ning Zhang[1], Patricia D. Hurn[3], Courtney DeVries[4], *Department of Psychology, The Ohio State University, Columbus, OH*[1], *Departments of Neurology and Neuroscience, University of Connecticut Health Center, Farmington, CT* [2], *Department of Anesthesiology, Oregon Health Sciences University, Portland, OR*[3], *Departments of Psychology, Neuroscience, and the Institute of Behavioral Medicine Research, The Ohio State University, Columbus, OH*[4]

72. PHYSICAL PROVOCATION ELICITS AGGRESSION TOWARDS FEMALES IN ANABOLIC ANDROGENIC STEROID EXPOSED PUBERTAL MALE RATS. R.L. Cunningham, D.W. Wesson, M.Y. McGinnis, *Department of Biology, University of Texas at San Antonio, San Antonio, Texas 78249*

73. ER ALPHA DISTRIBUTION AND THE EXPRESSION OF MALE SOCIAL BEHAVIOR. Bruce S. Cushing, *The Brain-Body Center, University of Illinois Chicago, Chicago, IL 60612*

74. Hypocretin-1 dose-dependently impairs maternal aggression, but not other maternal behaviors in lactating mice. Kimberly L .D'Anna[1], Stephen C. Gammie[2], *Zoology, University of Wisconsin, Madison, WI 53706*[1], *Zoology, Neuroscience Training Program, University of Wisconsin, Madison, WI 53706*[2]

75. EFFECTS OF COMBINING ESTRADIOL WITH STANOZOLOL ON REPRODUCTIVE BEHAVIORS IN PUBERTAL MALE RATS. Albert L. Davis, Marilyn Y. McGinnis, *Department of Biology, University of Texas at San Antonio, San Antonio, TX 78249*

76. SEX INDUCED ACTIVATION OF MU OPIOID RECEPTORS IN THE MPN AND BNST IN THE MALE RAT. Brooke A. Davis, Maureen E. Fitzgerald, Lique M. Coolen, *Neuroscience Graduate Program, University of Cincinnati, Cincinnati, OH*

77. TESTOSTERONE ACTIVATES COURTSHIP DISPLAY BUT DOES NOT ALTER PLUMAGE IN THE TROPICAL GOLDEN-COLLARED MANAKIN (MANACUS VITELLINUS). Lainy B. Day, Jennifer T. McBroom, Barney A. Schlinger, *UCLA, Physiological Sciences, Los Angeles, CA*

78. OLFACTORY DISCRIMINATION AND SEXUAL INCENTIVE MOTIVATION IN NON COPULATING (NC) MALE RATS. GINA PATRICIA DE GASPERÍN ESTRADA, RAÚL GERARDO PAREDES GUERRERO, *Instituto de Neurobiología, UNAM. Juriquilla, Querétaro. México*

79. ROLE OF DEHYDROEPIANDROSTERONE (DHEA) IN MEDIATING PHOTOPERIODIC CHANGES IN AGGRESSION IN MALE SIBERIAN HAMSTERS . Prashant P. Patel, Melissa-Ann L. Scotti, Gregory E. Demas, *Department of Biology and Center for the Integrative Study of Animal Behavior, Indiana University, Bloomington, IN USA*

80. SEX SPECIFIC HORMONE FLUCTUATIONS IN RELATION TO MATING SYSTEM IN A CICHLID FISH. J. Desjardins, J. Fitzpatrick, K. Stiver, G. van der Kraak, S. Balshine, *Psychology, McMaster University, Hamilton, Ontario, Canada* and *Zoology, University of Guelph, Guelph, Ontario, Canada*

81. SEX DIFFERENCES IN AMPHETAMINE-INDUCED PLACE PREFERENCES IN PRAIRIE VOLES. Jacqueline M. Detwiler, Brandon J. Aragona, Kyle L. Gobrogge, Zuoxin Wang, *Department of Psychology and Program in Neuroscience, Florida State University, Tallahassee, FL 32306*

82. FOOD COMPOSITION MODULATES PHOTOINDUCED LH SECRETION IN A FLEXIBLY BREEDING PASSERINE. P. Deviche[1], T.W. Small[1], P. Sharp[2], *Arizona St. Univ*[1], *Arizona St. Univ*[2], *Roslin Inst., Edinburgh*[2]

83. SEROTONERGIC MEDIATION OF PSEUDOSEXUAL BEHAVIOR IN THE PARTHENOGENETIC WHIPTAIL LIZARD (CNEMIDOPHORUS UNIPARENS). Brian G Dias, David Crews, *Institute for Neuroscience, Center for Behavioral Neuroendocrinology, University of Texas at Austin*

84. HORMONE-RELATED PLASTICITY OF SONG REPRESENTATION IN HVC OF FEMALE CANARIES. B. Diekamp, C. Fu, J.J. Sartor, G.F. Ball, E.S. Fortune, *Johns Hopkins University, Psychological and Brain Sciences, Baltimore, MD 21218*

85. SEXUAL EXPERIENCE INCREASES NITRIC OXIDE SYNTHASE IN THE MEDIAL PREOPTIC AREA OF MALE RATS. Juan M. Dominguez, Mario Gil, Alison F. Hood, Elaine M. Hull, *Florida State University, Department of Psychology and Neuroscience Program, Tallahassee, FL 32306*

86. ANDROGENS MAINTAIN SOMA SIZE IN THE SEXUALLY DIMORPHIC NUCLEUS OF THE PREOPTIC AREA OF ADULT MALE RATS. . Brittany N. Dugger, John A. Morris, Cynthia L. Jordan, S. Marc Breedlove, *Neuroscience Program and Department of Psychology, Michigan State University, East Lansing, Michigan 48824-1101, USA*

87. SOCIAL STRESS AND NEUROGENESIS IN GOLDEN HAMSTERS. Karen L. Eby, Yvon Delville, *Psychology Department, The Universtiy of Texas, Austin, Texas 78712*

88. WOMEN'S INTERCOLLEGIATE SOFTBALL: SALIVA TESTOSTERONE IS ELEVATED DURING COMPETITION AND BEFORE-GAME TESTOSTERONE IS RELATED TO TEAMMATE RATINGS OF PLAYING ABILITY. David A. Edwards, Alexis Weiss, *Department of Psychology, Emory University, Atlanta, GA 30322*

89. TESTING A SEX STEROID HYPOTHESIS FOR BORDERLINE PERSONALITY DISORDER. Milagros Evardone, Gerianne M. Alexander, Ph.D., Leslie C. Morey, Ph.D., *Texas A&M University*

90. TESTING A PRENATAL ANDROGEN HYPOTHESIS OF ANXIETY VULNERABILITY. Milagros Evardone, Gerianne M. Alexander, Ph.D., *Texas A&M University*

91. Noradrenaline is also implicated in the "ram effect". C. Fabre-Nys[1], E Archer[1], C de la Riva[2], H Gelez[1], K.Kendrick[2], M Petibarat[1], *UMR 6175 INRA Nouzilly, France*[1], *Babraham Istitute Cambridge UK*[2]

92. FUNCTIONAL IMAGING REVEALS MATERNAL BRAIN CIRCUITRY RESPONSIVE TO SUCKLING AND OXYTOCIN IN THE LACTATING RAT. Marcelo Febo, Craig F. Ferris, *Department of Psychiatry and Center for Comparative Neuroimaging, University of Massachusetts Medical School, Worcester MA*

93. SEX DIFFERENCES IN POSTURAL SUPPORT TACTICS DURING VERTICAL AND ROTATORY MOVEMENTS IN A RAT MODEL OF

PARKINSON'S DISEASE. Evelyn F. Field, Ian Q. Whishaw, Gerlinde A. Metz, Vivien C. Pellis, Sergio M. Pellis, *Department of Psychology and Neuroscience, CCBN, University of Lethbridge, Lethbridge, AB Canada T1K3 M4*

94. FUNCTIONAL DEVELOPMENT OF GONADOTROPIN-RELEASING HORMONE NEURONS IN THE FEMALE RAT. Anne E. Fortino, Eva K. Polston, *CIIT Centers for Health Research, RTP, NC 27709*

95. DISTRIBUTION OF GONADOTROPIN-INHIBITORY HORMONE IN THE BRAIN OF THE MALLARD DUCK (ANSER PLATYRHYNCHOS). Angela Stoyanovich[1], George Bentley[2], Kazuyoshi Ukena[3], Kazyuyoshi Tsutsui[3], Gregory S. Fraley[1], *Biology Department, Hope College, Holland, MI 49423*[1], *Dept. of Int. Biology, UC Berkeley, Berkeley, CA 94720*[2], *Lab of Brain Sci., Hiroshima University, Higashi-Hiroshima, 739-8521, Japan*[3]

96. GONADOTROPIN-INHIBITORY HORMONE SUPPRESSES REPRODUCTIVE BEHAVIORS IN THE MALE RAT. Marlie A. Johnson[1], George Bentley[2], Kazuyoshi Ukena[3], Kazyuyoshi Tsutsui[3], Gregory S. Fraley[1], *Biology Department, Hope College, Holland, MI 49423*[1], *Dept. of Int. Biology, UC Berkeley, Berkeley, CA 94720*[2], *Lab of Brain Sci., Hiroshima University, Higashi-Hiroshima, 739-8521, Japan*[3]

97. CENTRAL GALP ACTIVITY IS NECESSARY TO MAINTAIN REPRODUCTION IN THE MALE RAT. Angela Stoyanovich, Marlie Johnson, Gregory Fraley, *Biology Department, Hope college, Holland, MI, 49423*

98. NEURAL TISSUES THAT MEDIATE BREAKING OF PHOTOREFRACTORINESS IN SIBERIAN HAMSTERS. David A. Freeman, *Department of Biology, University of Memphis, Memphis, TN 38152*

99. OPEN FIELD BEHAVIOR IN THE ASIAN MUSK SHREW (SUNCUS MURINUS). Louise M. Freeman, Barbara J. Adamski, *Department of Psychology, Mary Baldwin College, Staunton, VA 24401*

100. PROGESTINS FACILITATE LORDOSIS OF AGED PRKO MICE. Sumida K[1], Rhodes M.E. [1], Dudek B.C.[1], Harney J.P.[2], Lydon J.P.[3], O'Malley B.W.[3], Pfaff D.W.[4], *Psychology Department, SUNY Albany*[1], *Department of Biology, The University of Hartford*[2], *Department of Molecular and Cellular Biology, Baylor College of Medicine*[3], *Laboratory of Neurobiology and Behavior, The Rockefeller University*[4]

101. THE ROLE OF SEX CHROMOSOMES IN SEXUALLY DIMORPHIC BEHAVIORS. Gatewood, J.D.[1], Xu, J[2], Arnold, A.P[2], Rissman, E.F.[1], *Department of Biochemistry and Molecular Genetics University of Virginia, Charlottesville, VA 22908 USA* [1], *Department of Physiological Science and Laboratory of Neuroendocrinology, Brain Research Institute, University of California, Los Angeles, California, 90095*[2]

102. A NEUTRAL ODOR PREVIOUSLY PAIRED WITH COPULATION ENHANCES DOPAMINE RELEASE IN THE NUCLEUS ACCUMBENS OF MALE RATS. . Helene Gelez, Genaro A. Coria Avila, David Woehrling, Heshmat Rajabi , James G. Pfaus, *CSBN/Psychology, Concordia University, Montreal, QC, CANADA*

103. SHORT DAY LENGTHS ALTER PELAGE GROWTH DYNAMICS IN SIBERIAN HAMSTERS. Nicole T. George, Matthew J. Paul, Matthew P. Butler, Irving Zucker, *Departments of Integrative Biology and Psychology, University of California, Berkeley*[4]

104. CAMP-DEPENDENT PROTEIN KINASE INHIBITION IN THE MEDIAL PREOPTIC AREA IMPAIRS COPULATORY BEHAVIORS IN MALE RATS . Mario Gil[1], David J. Smith[2], Alison Hood[1], Juan M. Dominguez[1], Elaine M. Hull[1], *Department of Psychology and Neuroscience Program, Florida State University, Tallahassee, FL 32306*[1], *Department of Psychology, University at Buffalo, The State University of New York, Buffalo, NY 14260*[2]

105. VARYING SOCIAL STRUCTURES DOES NOT INFLUENCE THE EFFECTS OF PAIR HOUSING ON WOUND HEALING. Erica R. Glasper[1], A. Courtney DeVries[2], *Department of Psychology, The Ohio State University, Columbus, Ohio 43210*[1], *Departments of Psychology and Neuroscience, The Ohio State University, Columbus, Ohio 43210*[2]

106. INVESTIGATORY BEHAVIOR, ANXIETY, AND CORTICOSTERONE RESPONSE TO ACUTE RESTRAINT STRESS IN MALE AND FEMALE RATS SUPPLEMENTED WITH CHOLINE IN UTERO. Melissa J. Glenn, Elizabeth D. Kirby, Erin M. Gibson, Christina L. Williams, *Psychological and Brain Sciences, Duke University, Durham, NC, USA*

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FRIDAY, JUNE 24. POSTER SESSION #2.

107. PSYCHOENDOCRINOLOGY OF HUMAN PARENTAL BEHAVIOUR – CHANGES IN TESTOSTERONE, ESTRADIOL AND CORTISOL IN RESPONSE TO INFANT VERSUS CONTROL STIMULI . Rita Gomez, Rui Oliveira, Isabel Leal, *Instituto Superior de Psicologia Aplicada, Lisbon, Portugal*

108. BRAIN AROMATASE ACTIVITY AND MRNA EXPRESSION IN A FISH WITH MALE ALTERNATIVE REPRODUCTIVE TACTICS. David Gonçalves[1], Ana Domingues[1], João Alpedrinha[1], Rita Teodósio[2], Adelino V. M. Canário[2], Rui F. Oliveira[1], *UIE-ISPA, Rua Jardim do Tabaco 34, 1149-041 Lisboa Portugal* [1], *CCMAR Universidade do Algarve, Campus de Gambelas, 8005-139 Faro, Portugal*[2]

109. PATERNAL PLACENTOPHAGIA IS DEVELOPMENTALLY LINKED TO PATERNAL BEHAVIOR IN PHODOPUS. J. K. Gregg, K. E. Wynne-Edwards, *Department of Biology, Queen's University, Kingston, Ontario, Canada*

110. SEASONAL CHANGES IN IMMUNITY AND POSSIBLE MEDIATION BY TESTOSTERONE IN DARK-EYED JUNCOS. Timothy Greives, Jodie Jawor, Joel McGlothlin, Eric Snajdr, Gregory Demas, Ellen Ketterson, *Department of Biology and Center for the Integrative Study of Animal Behavior, Indiana University, Bloomington, IN*

111. ADOLESCENT AAS-INDUCED AGGRESSION: INVOLVEMENT OF SEROTONIN 1B RECEPTOR SIGNALING AND DEVELOPMENT IN MALE SYRIAN HAMSTERS. Jill Grimes, Richard Melloni, Jr., *Department of Psychology, Program in Behavioral Neuroscience, Northeastern University, Boston, MA*

112. THE INTERACTION OF SOCIAL AND STEROIDAL INFLUENCES IN REGULATING TRANSITONS BETWEEN ADULT SEXUAL PHENOTYPES. M.S. Grober[1], E.W. Rodgers[1], H.N. Denman[1], A.V.M. Canario[2], *Georgia State Univeristy/Center for Behavioral Neuroscience*[1], *University of Algarve, Portugal*[2]

113. SEROTONIN IN THE MEDIAL PREOPTIC AREA CONTRIBUTES TO THE SENSITIVITY OF FEMALE RATS TO SEXUAL STIMULATION DURING PACED-MATING BEHAVIOR. Brittany Mason, Anastasia Benson, Fay A. Guarraci, *Department of Psychology, Southwestern University, Georgetown, TX 78626*

114. Cortisol responses to acute restraint stress in dwarf hamsters (Phodopus campbelli): Defining baseline concentration and quantifying individual variability. François S. Guimont, Katherine E. Wynne-Edwards, *Department of Biology, Queen's University, Kingston, ON Canada K7L 3N6*

115. AVP AND AGGRESSION IN FEMALE SYRIAN HAMSTERS. Stephanie Gutzler, Mary Karom, H. Elliott Albers, *Center for Behavioral Neuroscience, Departments of Biology and Psychology, Georgia State University, Atlanta GA*

116. TOPOGRAPHIC ORGANIZATION OF THE PROJECTION FROM THE VMH TO THE PAG IN FEMALE RATS. Cara F. Harley[1], Loretta M. Flanagan-Cato[2], *Neuroscience Graduate Group, University of Pennsylvania, Philadelphia PA*[1], *Department of Psychology and Institute of Neurological Sciences, University of Pennsylvania, Philadelphia PA*[2]

117. Differential Fos Activation in Virgin and Lactating Mice in Response to an Intruder. Nina S. Hasen[1], Stephen C. Gammie[2], *Department of Zoology, University of Wisconsin - Madison, Madison WI, USA*[1], *Neuroscience Training Program, Department of Zoology, University of Wisconsin - Madison, Madison WI, USA*[2]

118. COLOCALIZATION OF AROMATASE IMMUNOREACTIVE CELLS AND ESTROGEN RECEPTORS IN THE SPINAL CORD OF THE RED-SIDED GARTER SNAKE (THAMNOPHIS SIRTALIS PARIETALIS). Ryan Herbert, Agnieszka Klinski, R.W. Krohmer, *Department of Biological Sciences*, *Saint Xavier University*, *Chicago, IL 60655*

119. THE ROLE OF VASOTOCIN IN MEDIATION OF SEXUAL BEHAVIOR IN WHIPTAIL LIZARDS (CNEMIDOPHORUS SPECIES). K. D. Hillsman, D. Crews, *Institute for Neuroscience, Section for Integrative Biology, University of Texas, Austin, TX*

120. STRESS EFFECTS ON LEARNING ARE ABSENT IN THE AGED. G.E. Hodes, T.J. Shors, *Department of Psychology & Center for Collaborative Neuroscience, Rutgers University*

122. EFFECTS OF ANDROGEN AND ESTROGEN RECEPTOR BLOCKERS ADMINISTERED LOCALLY TO THE POSTERIOR-DORSAL MEDIAL AMYGDALA ON SEXUAL ODOR PREFERENCE IN MALE RAT. Nami Hosokawa, Atsuhiko Chiba, *Life Science Institute, Sophia University, Tokyo 102-8554, Japan*

123. SOCIAL STIMULI AND ANESTHESIA EFFECTS ON CORTICOSTERONE AND LOCAL CEREBRAL GLUCOSE METABOLISM IN PRAIRIE VOLES. Caroline M. Hostetler, Karen L. Bales, *Department of Psychology, University of California, Davis*

124. SEASONAL NEUROPLASTICITY IN BORDER CANARIES. L.L. Hurley, A.M. Wallace, J.J. Sartor, G.F. Ball, *Department of Psychological and Brain*

125. BILATERAL ELECTROLYTIC LESIONS OF THE CENTRAL TEGMENTAL FIELD (CTF) INHIBITS MALE SEXUAL BEHAVIOUR WITHOUT AFFECTING SEXUAL INCENTIVE MOTIVATION. Héctor A. Hurtazo, José C. Romero-Carbente, Raúl G. Paredes, *Instituto de Neurobiología, UNAM. Querétaro, México.*

126. SEASONAL AND INDIVIDUAL VARIATION IN TESTOSTERONE RESPONSE TO GNRH IN FREE-LIVING MALE DARK-EYED JUNCOS. Jodie Jawor[1], Ellen Ketterson[1], Joseph Casto[2], Joel McGlothlin[1], Eric Snajdr[1], Tim Greives[1], George Bentley[3], Val Nolan, Jr.[1], *Department of Biology, Indiana University, Bloomington, IN 47405*[1], *Department of Biological Sciences, Illinois State University, Normal, IL 61790*[2], *Department of Integrative Biology, University of California, Berkeley, CA 94720*[3]

127. THE EFFECT OF SEXUAL ORIENTATION ON DETECTION OF AND ATTRACTION TO ANDROSTENONE DURING DIFFERENT POINTS IN THE FEMALE MENSTRUAL CYCLE. Katherine A. Jennings, Louise Freeman, *Psychology Department of Mary Baldwin College Staunton, Va.*

128. INCREASED ANDROGEN RECEPTOR EXPRESSION IN SKELETAL MUSCLE FIBERS LEADS TO FIBER LOSS. JA Johansen[1], DA Monks[2], SM Breedlove[3], CL Jordan[3], *Neuroscience Program, Michigan State University, East Lansing, MI 48824*[1], *Department of Psychology, University of Toronto at Mississauga, Mississauga, ON L5L 1C6 Canada*[2], *Neuroscience Program and Department of Psychology, Michigan State University, East Lansing, MI 48824*[3],

129. EVIDENCE FOR A RELATIONSHIP BETWEEN BASAL TESTOSTERONE IN HUMANS AND CORTISOL ACTIVITY IN THE DOMESTIC DOG. Amanda C. Jones, Robert Josephs, *Department of Psychology, University of Texas at Austin*

130. ANDROGENS ACT ON THE CIRCADIAN CLOCK IN THE SUPRACHIASMATIC NUCLEUS TO MODULATE DAILY RHYTHMICITY. Ilia N. Karatsoreos[1], Rae Silver[1,2], *Department of Psychology, Columbia University, New York, NY*[1], *Department of Psychology, Barnard College, New York NY, and Department of Anatomy and Cell Biology, Columbia University Medical Center, New York, NY*[2]

131. INDUCTION OF FLANK MARKING IN SYRIAN HAMSTERS. Mary Karom, Stephanie Gutzler, H.E. Albers, *Center for Behavioral Neuroscience, Departments of Biology and Psychology, Georgia State University, Atlanta, GA USA*

132. GONADOTROPIN-RELEASING HORMONE-II PROTEIN CONTENT IN REPRODUCTIVE NUCLEI OF FEMALE MUSK SHREWS EXPOSED TO VARIATIONS IN FOOD AVAILABILITY. Alexander S. Kauffman, Emilie F. Rissman, *Department of Biochemistry and Molecular Genetics, University of Virginia, Charlottesville, VA 22908*

133. FASTING- AND GHRELIN-INDUCED STIMULATION OF FOOD HOARDING AND FOOD INTAKE IS ATTENUATED BY CENTRAL NPY Y1 RECEPTOR ANTAGONIST INJECTION. E. Keen-Rhinehart, T.J. Bartness, *Dept. Biology, Center for Behavioral Neuroscience, Georgia State University, Atlanta, GA 30302*[1]

134. EFFECTS OF SEROTONIN DEPLETION AND ANABOLIC ANDROGENIC STEROIDS ON THE EXPRESSION OF LOCOMOTOR AND SEXUAL BEHAVIORS IN PUBERTAL MALE RATS. Yonas B. Keleta[1], Augustus R. Lumia[2], Albert L. Davis[1], George M. Anderson[3], Marilyn Y. McGinnis[1], *University of Texas at San Antonio Department of Biology, 6900 N. Loop 1604 West, San Antonio, TX 78249, USA*[1], *Texas State University, Department of Psychology, San Marcos, TX 78666*[2], *Yale University, School of Medicine, Child Study Center, New Haven, CT 06510*[3],

135. ROLE OF THE VOMERONASAL ORGAN IN LORDOSIS BEHAVIOR AND MATE RECOGNITION IN THE FEMALE MICE. Matthieu Keller , Sylvie Pierman[1], Quentin Douhard[1], Michael J. Baum[2], Julie Bakker[1], *Center Cell. Mol. Neurobiology, Liège, Belgium*[1], *Department of Biology, Boston University, USA*[2]

136. TESTOSTERONE RESPONSE TO GNRH CHALLENGE ACCORDING TO SEASON AND STAGE OF REPRODUCTION IN FREE-LIVING FEMALE DARK-EYED JUNCOS. Ellen Ketterson[1], Jodie Jawor[1], Joseph Casto[2], Joel McGlothlin[1], Eric Snajdr[1], Tim Greives[1], George Bentley[3], Val Nolan, Jr.[1], *Department of Biology, Indiana University, Bloomington, IN 47405*[1], *Department of Biological Sciences, Illinois State University, Normal, IL 61790*[2], *Department of Integrative Biology, University of California, Berkeley, CA 94720*[3]

137. COLOR OF TERRITORIAL MALE CICHLIDS PREDICTS AGONISTIC BEHAVIOR TOWARDS CONSPECIFICS. Wayne J. Korzan, Russell D. Fernald, *Department of Biology, Stanford University, Stanford, CA*

138. VOLES ARE NOT SMALL RATS: A COMPARISON OF FUNCTIONAL SUBDIVISIONS OF THE PARAVENTRICULAR NUCLEUS OF THE HYPOTHALAMUS. Kristin M. Kramer, Dina Golbin, Adam Perry, C. Sue Carter, Bruce S. Cushing, *The Brain-Body Center, Dept. of Psychiatry, University of Illinois, Chicago, IL 606012*

140. INFLUENCE OF PITUIPRIN ON LEARNING AND MEMORY. Marina Kunchulia, Elgudja Moniava , *Beritashvili Institute of Physiology , Georgian Academy of Sciences, Georgia*

141. EFFECT OF THE MENSTRUAL CYCLE ON FACE PROCESSING IN FEMALE RHESUS MONKEYS: PRELIMINARY RESULTS. Lange, H.[1], Lacreuse, A.[2], Martin-Malivel, J.[3], Herndon, J.G.[4], *Department of Psychology and Center for Behavioral Neuroscience, Emory University, Atlanta GA 30322*[1], *Div Neuroscience, Yerkes Primate Center and Center for Behavioral Neuroscience, Emory University, Atlanta GA 30322*[2], *Center for Behavioral Neuroscience, Emory University, Atlanta GA 30322*[3], *Div Neuroscience, Yerkes Primate Center, Emory University, Atlanta GA 30322*[4]

142. ENVIRONMENTAL INFLUENCES ON FEMALE MOUSE SEXUAL BEHAVIOR. Laroche, J., Gasbarro, L., Blaustein, J.D., *Neuroscience and Behavior Program and Center for Neuroendocrine Studies, University of Massachusetts, Amherst, MA*

143. AGGRESSION AND VASOTOCIN ARE ASSOCIATED WITH SOCIAL RANK IN ZEBRAFISH. Earl T. Larson, Donald M. O'Malley, Richard H. Melloni, Jr., *Departments of Psychology and Biology, Northeastern University, Boston, MA*

144. HORMONAL MEDIATION OF A CONDITION-DEPENDENT SEXUALLY-SELECTED TRAIT: TACTIC EXPRESSION, STRESS, ATTRACTIVENESS AND SEXUAL PARASITES. Christopher Leary, Rosemary Knapp, *University of Oklahoma, Norman, OK*

145. SYNAPTIC DENSITY IN THE MPN MAG USING SYNAPTOPHYSIN AS A MARKER. Jennifer Swann, *Department of Biological Sciences, Lehigh University, Bethlehem, PA 18015*

146. EXPRESSION AND HORMONAL MODULATION OF SODIUM CHANNEL SUBUNITS IN THE ELECTRIC ORGAN OF A WEAKLY ELECTRIC FISH. He Liu, Harold. H. Zakon, *Section of Neurobiology, The University of Texas at Austin, Austin, TX 78712*

147. GENES NECESSARY FOR NEUROSTEROIDOGENESIS ARE EXPRESSED IN SONG NUCLEI OF THE ZEBRA FINCH. Sarah E. London, Barney A. Schlinger, *Interdepartmental Neuroscience Program, Department of Physiological Science, UCLA*

148. OXYTOCIN IN THE VENTROCAUDAL PERIAQUEDUCTAL GRAY MODULATES ANXIETY IN POSTPARTUM RATS. Mitchell F. Peabody, Joseph S. Lonstein, *Neuroscience Program & Department of Psychology, Michigan State University, East Lansing, MI 48824*

149. TESTOSTERONE INCREASES HEADBOBBING DISPLAY STEREOTYPY IN JUVENILE GREEN ANOLES. J. M. Pellerin, M. B. Lovern, *Department of Zoology, Oklahoma State University, Stillwater*

150. EFFECTS OF CORTICOTROPIN-RELEASING FACTOR ON SEROTONIN IN THE NUCLEUS ACCUMBENS. Jodi L. Lukkes[1], Gina L. Forster[1], Kenneth J. Renner[2], Cliff H. Summers[2], *Basic Biomedical Sciences, University of South Dakota, SD*[1], *Biology & Neuroscience, University of South Dakota, Vermillion, SD* [2]

151. INTERACTIONS BETWEEN MELATONIN AND HORMONAL STRESS RESPONSES IN TWO POPULATIONS OF GARTER SNAKES (THAMNOPHIS SIRTALIS). Deborah I. Lutterschmidt, Robert T. Mason, *Department of Zoology, Oregon State University*

152. STEROID HORMONES AND FICKLE FEMALE MATE CHOICE. Kathleen S. Lynch, Michael J. Ryan, Walter Wilczynski, *Institute for Neuroscience, University of Texas at Austin*

153. Sexual experience modifies perception of sexual relevant cues in male rats. Mac Gregor J Pablo, Hurtazo A Héctor, Paredes Raúl G., *Instituto de Neurobiología-UNAM, Querétaro, México*

154. CHARACTERIZATION OF THE ESTROUS CYCLE IN OCTODON DEGUS. M.M. Mahoney, B.V. Rossi, T.M. Lee, *Psychology Department and Reproductive Sciences Program, University of Michigan, Ann Arbor MI 48109*

155. THE POSTEROMEDIAL REGION OF THE MEDIAL AMYGDALA REGULATES SEX-SPECIFIC ODOR PREFERENCES IN MALE HAMSTERS. Pamela Maras, Aras Petrulis, *Department of Psychology, Center for Behavioral Neuroscience, Georgia State University, Atlanta, GA 30303, USA*

156. EFFECTS OF GNIH ON IMMUNE ACTIVITY IN SIBERIAN HAMSTERS. L. B. Martin II[1], L. M. Pyter[1], R. J. Nelson[1], K. Ukena[2], K. Tsutsui[2], G.E. Bentley[3], *Departments of Psychology and Neuroscience, The Ohio State University, Columbus OH, USA*[1], *Laboratory of Brain Science, Hiroshima University, Higashi-Hiroshima, Japan*[2] *Department of Integrative Biology, University of California Berkeley, Berkeley CA, USA*[3]

157. ANDROGENIC REGULATION OF EXPRESSION OF ANDROGEN RECEPTOR PROTEIN IN THE PERINEAL MOTONEURONS OF MALE RATS EXPOSED TO CHRONIC STRESS. Akira Matsumoto, *Department of Anatomy, Juntendo University School of Medicine, Tokyo*

158. OTOACOUSTIC EMISSIONS MEASURED IN RHESUS MONKEYS (MACACA MULATTA) AND SPOTTED HYENAS (CROCUTA CROCUTA): EFFECTS OF SEX, SEASON, AND PRENATAL HORMONE EXPOSURE. Dennis McFadden[1], Edward G. Pasanen[1], Jessica Raper[2], Kim Wallen[2], Mary L. Weldele[3], Stephen E. Glickman[3], Ned J. Place[4], *Center for Perceptual Systems, University of Texas, Austin, TX*[1], *Yerkes National Primate Research Center, Emory University, Atlanta, GA*[2], *Dept. Psychology, University of California, Berkeley, CA*[3], *Dept. Population Medicine & Diagnostic Sciences, Cornell University, Ithaca, NY*[4]

159. INFANTICIDAL BEHAVIOR IN COOPERATIVELY BREEDING FEMALE MONGOLIAN GERBILS: EFFECTS OF PREGNANCY AND UNRELATED MALES. L. McGeehan, S. Thinda, M. Adkins, S. Hamilton, J. Law, A. Smith, S. Ahmed, W. Matsumoto, W. Saltzman, *Department of Biology, University of California, Riverside*

160. THE ROLES OF OVARIAN HORMONES AND MALE BEHAVIOR ON THE EXPRESSION OF PROCEPTIVITY, ATTRACTIVITY AND RECEPTIVITY IN CAPTIVE GIANT PANDAS (Ailuropoda melanoleuca). L. McGeehan[1], N.M. Czekala[2], P. Wang[3], H. Zhang[3], *Department of Biology, University of California, Riverside, CA* [1], *Center for the Reproduction of Endangered Species, Zoological Society of San Diego, San Diego, CA 92112-0551*[2], *China Research and Conservation Center for the Giant Panda, Wolong Nature Reserve, Wenchuan County, Sichuan, People's Republic of China 623006*[3]

161. IS PROGESTERONE NECESSARY FOR FEMALE RATS TO PREFER A SEXUALLY ACTIVE MALE? Sarah H. Meerts, Ann S. Clark, *Department of Psychological and Brain Sciences, Dartmouth College, Hanover NH*

162. BASELINE TESTOSTERONE AND SOCIAL STATUS PREDICT CORTISOL CHANGES AND BEHAVIOR AMONG FEMALE COMPETITORS . Pranjal H. Mehta, Robert A. Josephs, *Department of Psychology, University of Texas - Austin*

163. CHANGES IN TESTOSTERONE PREDICT THE DESIRE TO COMPETE AGAIN AMONG MALE LOSERS. Pranjal H. Mehta, Robert A. Josephs, *Department of Psychology, University of Texas - Austin*

164. ACTIVATION OF OXYTOCIN AND VASOPRESSIN NEURONS FOLLOWING THE PRESENTATION OF AN ODOUR ASSOCIATED WITH SEXUAL REWARD IN THE MALE RAT. S. Menard, G.A. Coria-Avila, H. Gelez, J. Godfrey, M. Sorochinsky , J.G. Pfaus, *CSBN/Psychology, Concordia University, Montréal, QC, CANADA*

165. DEVELOPMENTAL ACTIVATION OF ER BETA DEMASCULINIZES THE DISPLAY OF ADULT MALE SEX BEHAVIOR IN MICE . VJ Michopoulos, AE Kudwa, JD Gatewood, EF Rissman, *Department of Biochemistry & Molecular Genetics and Neuroscience Graduate Program, UVA, Charlottesville, VA 22908*

166. CHRONIC ESTROGEN AND ANDROGENS ENHANCE MEMORY IN FEMALE RATS. Mohan, G., Jacome, L., MacLusky, N., Luine, V., *Department of Biopsychology, Graduate Center of CUNY, NY, NY; Department of Psychology, Hunter College, NY, NY*; *CNRRR, Helen Hayes Hospital, West Haverstraw, NY*

167. TIME COURSE OF EFFECTS OF ANDROGEN ON THE SEXUALLY DIMORPHIC MEDIAL AMYGDALA OF ADULT RATS . John A. Morris, Cynthia L. Jordan, S. Marc Breedlove, *Neuroscience Program, Michigan State University, East Lansing, MI, 48824-1101 USA*

168. ENZYME IMMUNOASSAY OF TESTOSTERON 17B-ESTRADIOL AND PROGESTERONE IN HUMAN ADULT AND PREADOLESCENT PERSPIRATION AND URINE. Cameron Muir, Sharon McAllister, Jennifer Sutherland, *Brock University, Department of Psychology, Center for Neuroscience*

169. EFFECTS OF TESTOSTERONE, SEASON AND FEMALE CONTACT ON MALE GREEN ANOLE COURTSHIP AND COPULATORY BEHAVIORS. Jennifer K. Neal, Juli Wade, *Neuroscience Program, Michigan State University, East Lansing, MI, 48824*

170. BULLYING IN PUBERTY ALTERS EMOTIONAL RESPONSES. ML Newman, GW Holden, Y Delville, *UT Austin, Department of Psychology*

171. SEX-DIFFERENCES IN THE NEURAL REGULATION OF THE NUCLEUS PARAGIGANTOCELLULARIS: POTENTIAL ROLE IN REPRODUCTIVE BEHAVIOR . Joseph J. Normandin, Anne Z. Murphy, *Center for Behavioral Neuroscience, Department of Biology, Georgia State University, Atlanta, GA*

172. COMPARISON OF PROGESTERONE AND MEDROXYPROGESTERONE ACETATE ON FACILITATION AND INHIBITION OF FEMALE SEXUAL BEHAVIOR AND PROGESTERONE RECEPTOR MRNA EXPRESSION. Katharine Northcutt, Karen Pazol, Mark Wilson, Kim Wallen, *Center for Behavioral Neuroscience, Yerkes National Primate Research Center and Department of Psychology, Emory University, Atlanta, GA 30322*

173. SEXUALLY STIMULATED TESTOSTERONE RELEASE IN MALE MICE: ROLES OF GENOTYPE AND SEXUAL AROUSAL. James, P. J.[1], Nyby, J. G.[1], Milinchuk, J. E.[1], Saviolakis, G. A.[2], *Department of Biological Sciences, Lehigh University, Bethlehem, PA*[1], *Division of Neurosciences, Walter Reed Army Institute of Research, Silver Spring, MD*[2]

174. MIMICKING PULSATILE TESTOSTERONE RELEASE IN MALE HOUSE MICE (MUS MUSCULUS). James, P. J.[1], Nyby, J. G.[1], Milinchuk, J. E.[1], Saviolakis, G. A.[2], *Department of Biological Sciences, Lehigh University, Bethlehem, PA*[1], *Division of Neurosciences, Walter Reed Army Institute of Research, Silver Spring, MD*[2]

175. MATING STIMULATION ALTERS SYNAPSIN IR IN CA1 AND DG BUT NOT THE MEAPD OF FEMALE RATS. J.G. Oberlander, J.J. Yang, M.S. Erskine, *Biology Department, Boston University, Boston, MA*

176. HORMONAL ASSOCIATIONS WITH TRAIT AGGRESSION AND ANGER AMONG MEN: EFFECTS OF AGE, SAMPLE TYPE AND COLLECTION TIME. Mariko Oki, Kikue Sakaguchi, Toshikazu Hasegawa, Seijiro Honma, *Dept. Cognitive & Behavioral Science, Tokyo University*

177. OXYTOCIN RECEPTORS IN THE NUCLEUS ACCUMBENS FACILITATE "SPONTANEOUS" MATERNAL BEHAVIOR IN FEMALE PRAIRIE VOLES. Daniel E. Olazabal, Larry J. Young, *Ctr Beh Neurosci, Yerkes Research Center, Emory University, Atlanta GA 30322*

178. MIRROR ELICITED AGGRESSION FAILS TO TRIGGER AN ENDOCRINE RESPONSE TO A SOCIAL CHALLENGE. Rui F. Oliveira[1], Luis A. Carneiro[1], Adelino V.M. Canário[2], *ISPA, Lisboa, Portugal*[1], *Univ. Algarve, Faro, Portugal*[2]

179. THE MOUSE VOMERONASAL ORGAN MEDIATES INTRINSIC REWARDING PROPERTIES OF URINARY ODORS. D.E. Pankevich[1], E.S. Kim[1], J.A. Cherry[2], M.J. Baum[1], *Biology Department, Boston University, Boston, MA 02215*[1], *Psychology Department, Boston University, Boston, MA 02215*[2]

180. TEMPORAL REQUIREMENTS FOR INDUCTION AND MAINTENANCE OF MALE SEXUAL BEHAVIOR BY TESTOSTERONE IN SYRIAN HAMSTERS. Jin Ho Park[1], Matthew J. Paul[1], Matthew P. Butler[2], Philip Villa[1], Morgan Burke[1], and Irving Zucker[1,2], *Departments of Psychology[1] and Integrative Biology[2], University of California, Berkeley, CA 94720*

181. LOWER CORTICOSTERONE STRESS RESPONSE IN EUROPEAN BLACKBIRDS (TURDUS MERULA) BORN IN A CITY THAN IN A FOREST. Jesko Partecke, Ingrid Schwabl, Eberhard Gwinner, *Max-Planck-Institute for Ornithology, Department of Biological Rhythms and Behaviour, Von-der-Tannstrasse 7, 82346 Andechs and Seewiesen, Germany*

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182. SEXUAL DIFFERENTIATION OF THE RODENT AVPV IS DISRUPTED BY NEONATAL EXPOSURE TO GENISTEIN OR BISPHENOL A. Heather B. Patisaul, Anne E. Fortino, Eva K. Polston, *CIIT Centers for Health Research, Six Davis Drive, RTP, NC 27709*[1],

183. PHOTOPERIODIC CONTROL OF COMPENSATORY TESTICULAR HYPERTROPHY IN TWO HAMSTER SPECIES. Matthew J. Paul, Jin Ho Park, Maria I. Alvarez, Morgan K. Burke, Irving Zucker, *Departments of Psychology and Integrative Biology, University of California, Berkeley*

184. ESTROGEN RECEPTOR ALPHA EXPRESSION IS DECREASED IN THE CA3 REGION OF THE DORSAL HIPPOCAMPUS IN LATE PREGNANCY. Jodi L. Pawluski, Vilte E. Barakauskas, Liisa A.M. Galea, *Program in Neuroscience, Department of Psychology, University of British Columbia, Vancouver B.C., CANADA*

185. PHOSPHORYLATION OF CREB IN THE MEDIAL AMYGDALA DURING EARLY SOCIAL INTERACTIONS. Adam N. Perry, Bruce S. Cushing, *The Brain-Body Center, University of Illinois Chicago, Chicago, IL 60612*

186. REDUCED EXPRESSION OF THE SP4 GENE IN MICE CAUSES SEVERE DEFICITS IN OLFACTORY FUNCTION. Sylvie Pierman[1], Pieter Fokko van Loo[2], Sjaak Philipsen[2], Jan Vreeburg [2], Julie Bakker[1], *Center Cellular Molecular Neurobiology, University of Liège, Belgium*[1], *Cell Biology, Erasmus University Rotterdam, The Netherlands*[2]

187. SUCCESSFUL MOTHERS ARE MORE STRESSED: CORTISOL AND OFFSPRING SURVIVAL IN RINGTAILED LEMURS (LEMUR CATTA). R. Ethan Pride, *Dept. of Biology, The College of New Jersey, Ewing, NJ 08628*

188. EFFECTS OF PHOTOPERIOD ON HIPPOCAMPAL NEUROGENESIS IN ADULT PEROMYSCUS LEUCOPUS. Leah M. Pyter, Randy J. Nelson, *Departments of Neuroscience and Psychology, Ohio State University, Columbus, OH, 43210*

189. PRENATAL ANDROGENS AND SPATIAL ABILITY IN HUMANS: META-ANALYSES OF CAH AND 2D:4D STUDIES. David Andrew Putz[1], Michael, A. McDaniel[2], Cynthia L. Jordan[1], S. Marc Breedlove[1], *Neuroscience Program, Michigan State University*[1], *Department of Management, Virginia Commonwealth University*[2]

190. ROLE FOR GNRH AS A PEPTIDE SWITCH IN MODULATING THE MULTI-FUNCTIONAL CENTRAL PATTERN GENERATOR UNDERLYING ORAL BEHAVIORS IN SNAILS. Siddharth Ramakrishnan, A.D.Murphy, *Department of Biological Sciences, University of Illinois, Chicago*

192. POSTNATAL STEROID TREATMENT ALTERS HORMONAL REGULATION OF SOCIAL PREFERENCE. Kimberly Rhodes, Jennifer Swann, *Department of Biological Sciences, Lehigh Univeristy, Bethlehem, PA 18015*

193. EARLY POSTNATAL HANDLING ALTERS PREGNANE NEUROSTEROID LEVELS. M.E. Rhodes[1], Y.H. Raol[2], A.R. Brooks-Kayal[2], C.A. Frye[3], *Department of Psychology, The University at Albany-SUNY*[1], *Division of Neurology, Children's Hospital of Philadelphia*[2], *Departments of Psychology, Biological Sciences, and the Center for Neuroscience Research, The University at Albany-SUNY*[3]

194. SEROTONIN TYPE-1A RECEPTORS AND ADOLESCENT ANABOLIC STEROID-INDUCED AGGRESSION IN HAMSTERS. Lesley Ricci, Susan Rasakham, Richard Melloni Jr., *Department of Psychology & Program in Behavioral Neuroscience, Northeastern University, Boston MA*

195. 11-KETOTESTOSTERONE AND PATERNAL BEHAVIOR; FRIENDS OR FOES? E.W. Rodgers, R.L. Earley, M.S. Grober[3], *Georgia State University / Center for Behavioral Neuroscience*

196. PUBERTAL SHIFTS IN STRESS REACTIVITY. Russell D. Romeo, Bruce S. McEwen,

197. AN EXPERIMENTAL TEST OF THE IMMUNOCOMPETENCE HANDICAP HYPOTHESIS IN THE AZOREAN ROCK-POOL BLENNY. Albert F. H. Ros[1], Catarina Ferreira[1], Ricardo S. Santos[2], Rui F. Oliveira[1], *Unidade de Investigação em Eco- Etologia, Instituto Superior de Psicologia Aplicada, Rua Jardim do Tabaco 34, 1149-041 Lisboa, Portugal*[1], *Departamento de Oceanografia e Pescas, Universidade dos Açores, PT-9901 862 Horta, Portugal*[2]

198. STEROID HORMONES AND AGGRESSION IN FEMALE GALÁPAGOS MARINE IGUANAS. D.R. Rubenstein[1], M. Wikelski[2], *Cornell University, Department of Neurobiology and Behavior, Ithaca, NY 14853*[1], *Princeton University, Department of Ecology and Evolutionary Biology, Princeton, NJ 08540*[2]

199. 2D:4D RATIO AND EMPATHY VERSUS DETACHMENT IN WOMEN. Sherris Runcie, Dr. Louise M. Freeman, *Psychology Department, Mary Baldwin College, Staunton, VA 24401*

200. SEX DIFFERENCES IN ATTENTION TO VISUAL SEXUAL STIMULI . Heather A. Rupp, Kim Wallen, *Department of Psychology and The Center for Be*

201. EFFECTS OF PUP EXPOSURE ON CELLULAR PROLIFERATION IN THE PRAIRIE VOLE CENTRAL NERVOUS SYSTEM. Michael Ruscio, Timothy Sweeny, Julie Hazelton, Patrin Suppatkul, C. Sue Carter, *Brain Body Center, Department of Psychiatry, University of Illinois, Chicago*

202. DEVELOPMENTAL EXPOSURE TO ENVIRONMENTAL ESTROGENS ALTERS ADULT BEHAVIOR AND PHYSIOLOGY IN THE RAT. Bryce C. Ryan[1], L. Earl Gray[2], Kevin M. Crofton[3], John G. Vandenbergh[1], *Department of Zoology, North Carolina State University, Raleigh, NC*[1], *Reproductive Toxicology Division, NHEERL, USEPA, Research Triangle Park, NC*[2], *Neurotoxicology Division, NHEERL, USEPA, Research Triangle Park, NC*[3]

203. INFLUENCE OF RELATIONSHIP STATUS AND PERSONALITY TRAITS ASSOCIATED WITH REPRODUCTIVE STRATEGIES ON DIURNAL RHYTHM OF TESTOSTERONE AND CORTISOL IN JAPANESE MEN. Kikue Sakaguchi, Mariko Oki, Toshikazu Hasegawa, Seijiro Honma, *Dept. Cognitive & Behavioral Science, Tokyo University*

204. CENTRALLY ADMINISTERED APOMORPHINE PARTIALLY REVERSES DETRIMENTAL EFFECTS ON MALE REPRODUCTIVE BEHAVIOR RESULTING FROM ABSENCE OF GONADAL HORMONES DURING ADOLESCENCE. Kaliris Y. Salas-Ramirez, Cheryl L. Sisk, *Neuroscience Program, Michigan State University, East Lansing, MI*

205. SEX AND BRAIN AREA DIFFERENCES IN THE MICROSOMAL COMPARTMENTALIZATION OF TELENCEPHALIC AROMATASE IN THE ADULT ZEBRA FINCH. Kevin N. Rohmann, Colin J. Saldanha, *Department of Biological Sciences, Lehigh University, Bethlehem, PA.*

206. SOCIAL INFLUENCES ON FEMALE REPRODUCTIVE MATURATION AND INFANTICIDAL BEHAVIOR IN COOPERATIVELY BREEDING GERBILS. Saltzman, W., Ahmed, S., Fahimi, A., Thinda, S., Smith, A., Matsumoto, W., *Department of Biology, University of California, Riverside*

207. EFFECTS OF UROCORTIN II ON PARENTAL CARE, ANXIETY, AND NEUROENDOCRINE HORMONES IN PRAIRIE VOLES (MICROTUS OCHROGASTER). Peter A. Samuel, Karen L. Bales, *Univeristy of California, Davis*

208. DENDRITIC STRUCTURE OF PREOPTIC NEURONS IS NOT INFLUENCED BY ANDROGEN IN PARTHENOGENETIC WHIPTAIL LIZARDS. Nicholas Sanderson, Erik Weissler, David Crews, *Institute for Neuroscience, The University of Texas at Austin*

209. AVT INCREASES AGGRESSION IN THE TERRITORIAL BEAUGREGORY DAMSELFISH. Nick Santangelo, Andrew Bass, *Department of Neurobiology and Behavior, Cornell University, Ithaca, NY, 14853*

210. NEUROPLASTICITY IN THE SONG NUCLEUS HVC IS MODULATED BY TESTOSTERONE AND PRODUCTION OF THE BIRD'S OWN SONG IN SONGBIRDS. Jennifer J. Sartor, Bettina Diekamp, Eric S. Fortune, Gregory F. Ball, *Psychological and Brain Sciences, Johns Hopkins University, Baltimore, MD, USA*

211. EFFECTS OF NO DONOR AND cGMP ANALOG IN THE MPOA OF DHT-TREATED CASTRATES. Sato, S.[1], Wersinger, S. R.[1], Hull, E. M.[2], *Dept. of Psychology, University at Buffalo, SUNY*[1], *Dept. of Psychology, Florida State University*[2]

212. ALPHA MELANOCYTE STIMULATING HORMONE REVERSES CORTICOTROPIN-RELEASING HORMONE-INDUCED SICKNESS BEHAVIORS IN INFANT GUINEA PIGS. Patricia A. Schiml-Webb[1], Terrence Deak[2], Emily E. Miller[1], Michael B. Hennessy[1], *Department of Psychology, Wright State University, Dayton, Ohio*[1], *Department of Psychology, Binghamton University, Binghamton, NY*[2]

213. EFFECTS OF REPEATED AMPHETAMINE ON CORTICOSTERONE AND ANXIETY IN SENSITIZED VERSUS NON-SENSITIZED RATS DURING WITHDRAWAL . Jamie L. Scholl[1], Na Feng[1], Michael J. Watt[1], Kenneth J. Renner[1], Gina L. Forster[2], *Dept. Biology, University of South Dakota, Vermillion, SD*[1], *Basic Biomedical Sciences, University South Dakota, Vermillion, SD*[2]

215. ESTRADIOL RAPIDLY INCREASES SPINOPHILIN IN DEVELOPING HYPOTHALAMUS. Schwarz JM[1], McCarthy MM[2], *Program in Neuroscience, University of Maryland, Baltimore*[1], *Department of Physiology, University of Maryland, Baltimore*[2]

216. IN SITU HYBRIDIZATION ANALYSIS OF CHANGES IN HETERONUCLEAR OXYTOCIN AND VASOPRESSIN RNA DURING LACTATION AND THE ESTROUS CYCLE IN THE RAT HYPOTHALAMUS. Elka M. Scordalakes, Chunmei Yue, Noriko Mutsuga, Harold Gainer, *Molecular Neuroscience Section, National Institute of Neurological Disorder and Stroke, National Institutes of Health, Bethesda, MD 20892*

217. BREEDING STATUS AND NEUROMUSCULAR PLASTICITY IN NAKED MOLE-RATS: RECRUITMENT OF PERINEAL MOTONEURONS? Marianne Seney[1], Greta Rosen[1], Bruce Goldman[2], Nancy Forger[1], *Center for Neuroendocrine Studies, University of Massachusetts, Amherst, Massachusetts 01003*[1], *Department of Physiology and Neurobiology, University of Connecticut, Storrs, Connecticut 06269*[2]

218. RACLOPRIDE PREVENTS THE NORMALIZATION OF AMPHETAMINE STIMULATED LOCOMOTOR ACTIVITY AND DOPAMINE CLEARANCE IN DIABETIC RATS. Rajkumar J. Sevak[1], William Anthony Owens[2], Lynette C. Daws[3], Aurelio Galli[4], Charles P. France[3], *Departments of Pharmacology, The University of Texas Health Science Center, San Antonio, TX* [1], *Departments of Physiology, The University of Texas Health Science Center, San Antonio, TX* [2], *Departments of Pharmacology, Psychiatry and Physiology, The University of Texas Health Science Center, San Antonio, TX* [3], *Department of Molecular Physiology & Biophysics, Vanderbilt University, Nashville, TN*[4]

219. PHOTOPERIOD AND OREXIN IN THE MIGRATORY WHITE-CROWNED SPARROW (ZONOTRICHIA LEUCOPHRYS). Kris Singletary [1], Creagh Breuner [2], Yvon Delville [3], *Institute for Neuroscience, UT Austin, Austin TX* [1], *Integrative Biology, UT Austin, Austin TX*[2], *Dept. of Psychology, UT Austin, Austin TX*[3]

220. THE RAPID REPRODUCTIVE RESPONSE OF MALE RUFOUS-WINGED SPARROWS, AIMOPHILA CARPALIS, TO INCREASED PRECIPITATION: A ROLE FOR TERMITES? T.W. Small[1], P. Deviche[1], P.J. Sharp[2], G.E. Bentley[3], R.P. Millar[4], K. Tsutsui[5], *Arizona State University*[1], *Roslin Institute, Edinburgh, Scotland*[2], *University of California, Berkeley*[3], *University of Edinburgh, Scotland*[4], *Hiroshima University, Japan*[5]

221. OXYTOCIN AND DOPAMINE RECEPTOR DIFFERENCES IN THE MEIDAL PREFRONTAL CORTEX OF MONOGAMOUS AND PROMISCUOUS VOLES. Michael D. Smeltzer, J. Thomas Curtis, Brandon J. Aragona, Zuoxin Wang, *Department of Psychology and Program in Neuroscience, Florida State University, Tallahassee, FL 30306*

222. FOCAL ADHESION KINASE - A NOVEL REGULATOR OF BRAIN FEMINIZATION? Speert DB[1], McCarthy MM [2], *Department of Physiology, University of Maryland, Baltimore*[1], *Department of Physiology and Program in Neuroscience, University of Maryland, Baltimore*[2]

223. ANDROGENS ENHANCE CELL SURVIVAL BUT NOT CELL PROLIFERATION IN ADULT MALE RATS. Mark D. Spritzer, Liisa A. M. Galea, *Graduate Program in Neuroscience, Department of Psychology and the Brain Research Centre, The University of British Columbia, Vancouver, Canada*

224. REPRODUCTIVE CONTEXT AND IMMUNOREACTIVITY OF CHICKEN GONADOTROPIN-RELEASING HORMONES –I AND –II IN FEMALE HOUSE SPARROWS (PASSER DOMESTICUS). TJ Stevenson[1], GE Bentley[2], E Hampson[3], L Arckens[4], SA MacDougall-Shackleton[3], *Neuroscience Graduate Program*[1], *Department of Integrative Biology, University of California, Berkeley*[2], *Psychology Department, University of Western Ontario*[3], *Department of Animal Physiology and Neurobiology, K.U. Leuven, Belgium*[4]

225. PROTEIN KINASE A ACTIVITY IN THE VENTRAL TEGMENTAL AREA MAY BE REQUIRED FOR PROGESTIN-FACILITATED LORDOSIS OF RATS VIA GABAA AND/OR DOPAMINE TYPE 1-LIKE RECEPTORS. K. Sumida, A.A. Walf, C.A. Frye, *Dept Psychology, Biology, and the Center for Neuroscience Research, SUNYat Albany*

226. Integration of olfactory information and male sexual behavior in mice is regulated by the paternally expressed gene Peg3. Will Swaney, James Curley, Barry Keverne, *Sub-Dept of Animal Behaviour, Cambridge University, Madingley, Cambridge, CB3 8AA, UK*

227. CALORIES BUT NOT MACRONUTRIENTS ARE CRITICAL FOR RESTORATION OF ESTROUS CYCLES IN FOOD DEPRIVED SYRIAN HAMSTERS. L.A. Szymanski, A.A. Edwards, E.D. Grodin, J.E. Schneider, *Department of Biological Sciences, Lehigh University, Bethlehem, PA*

228. SEROTONIN AND THE DEVELOPMENT OF AGONISTIC BEHAVIOR IN GOLDEN HAMSTERS. Kereshmeh Taravosh-Lahn[1], Christel Bastida[2], Yvon Delville[3], *Institute for Neuroscience, The University of Texas, Austin, TX* [1], *Psychology Department, The University of Texas, Austin, TX*[2], *Psychology Department and Institute for Neuroscience, The University of Texas, Austin, TX*[3]

229. DIFFERENCES IN NEURAL ACTIVATION FOLLOWING EXPRESSION OF APPETITIVE AND CONSUMMATORY MALE SEXUAL BEHAVIOR IN THE QUAIL BRAIN. Taziaux M, Cornil CA, Dejace C, Balthazart J, *University of Liège, Center for Cellular and Molecular Neurobiology, Liège, Belgium.*

231. THE EFFECTS OF SEROTONERGIC RECEPTOR AGONISTS, 8-OH-DPAT AND DOI, ON TERRITORIAL AND PATERNAL BEHAVIORS IN THE PUERTO RICAN COQUI FROG, Eleutherodactylus coqui. Gary R. Ten Eyck, John W. Larkin, Jacqueline R. Brown, *Department of Biological Sciences, Idaho State University, Pocatello 83209*

232. NEURAL TISSUES THAT ENCODE PHOTOPERIOD HISTORY IN SIBERIAN HAMSTERS. Brett Teubner, David A. Freeman, *Department of Biology, University of Memphis, Memphis, TN 38152*

233. EFFECTS OF SEX AND D2-AUTORECEPTOR INHIBITION ON DOPAMINE UPTAKE KINETICS IN PERIADOLESCENT RATS. R.G. MacGregor[1], M.E. Certain[2], T.L. Thompson[3] , MSII[1], MSIII[2], Div. Basic Science Mercer Univ. Sch. of Medicine Macon GA[3]

234. PUBERTAL CHANGES IN SYNAPTIC PROTEIN EXPRESSION IN THE PREOPTIC AREA AND MEDIOBASAL HYPOTHALAMUS OF MALE SYRIAN HAMSTERS. Brigitte J. Todd[1], Julia L. Zehr[2], Margaret M. McCarthy[1], Cheryl L. Sisk[2], *Department of Physiology, University of Maryland School of Medicine, Baltimore MD*[1], *Neuroscience Program, Michigan State University, East Lansing MI*

235. THE EFFECTS OF SEX STEROIDS ON PAIR FORMATION IN ZEBRA FINCHES. Mihcelle L. Tomaszycki, Sunayana Banerjee, Elizabeth Adkins-Regan, *Dept. Psychology, Cornell University, Ithaca, NY 14853*

236. DIFFERENTIAL PHOTOPERIODIC REGULATION OF REPRODUCTION AND AGGRESSION IN TWO SPECIES OF PEROMYSCUS. Brian C. Trainor, Randy J. Nelson, *Departments of Psychology and Neuroscience, The Ohio State University, Columbus, OH 43210, USA*

237. TESTOSTERONE-INDUCED DOPAMINE RELEASE IN NUCLEUS ACCUMBENS OF MALE SYRIAN HAMSTERS. Jennifer L. Triemstra, Ruth I. Wood, *Department of Cell and Neurobiology, Keck School of Medicine at USC, Los Angeles, CA 90033*

238. STEROID HORMONES AND REPRODUCTIVE BEHAVIOR IN THE MONOGAMOUS CONVICT CICHLID. Natalie April van Breukelen, Murray Itzkowitz, *Lehigh University, Biological Sciences*

239. ESTRADIOL'S EFFECTS FOR ANTI-ANXIETY AND ANTI-DEPRESSIVE BEHAVIOR OF FEMALE RODENTS MAY REQUIRE ACTIVITY AT ESTROGEN RECEPTOR BETA. A.A. Walf, C.A. Frye, *Departments of Psychology and Biology, and Center for Neuroscience Research, SUNY at Albany, Albany, NY, 12222*

240. PROGESTERONE EFFECTS ON HIPPOCAMPAL SYNAPTIC PLASTICITY. E. M. Waters[1], T. A. Milner[2], B.S. McEwen[1], *Laboratory of Neuroendocrinology, The Rockefeller University, New York, NY*[1], *Department of Neurology and Neuroscience, Weill-Cornell Medical College, New York, NY*[2],

241. RAPID SYSTEMIC RESPONSES TO RESTRAINT STRESS DIFFER BETWEEN WINNERS AND LOSERS OF SOCIAL INTERACTIONS. Michael J. Watt[1], Wayne J. Korzan[2], Cliff H. Summers [1], Gina L. Forster[1], *Dept. of Biology, University of South Dakota, Vermillion, SD*[1], *Dept. of Biology, Stanford University, Stanford, CA*[2]

242. SOCIAL INTERACTIONS ALTER CYTOKINE GENE EXPRESSION AND BEHAVIOR FOLLOWING ENDOTOXIN ADMINISTRATION. Zachary M. Weil, Stephanie L. Bowers, Leah M. Pyter, Randy J. Nelson, *Departments of Psychology and Neuroscience, Ohio State University, Columbus OH, 43210, USA*

243. WITHIN-PAIR TESTOSTERONE COMPATIBILITY AS A CURRENCY FOR PAIRBOND QUALITY IN GREYLAG GEESE? Brigitte M. Weiß[1], Erich Möstl[2], Katharina Hirschenhauser[1], *Konrad Lorenz Research Station, Grünau, Austria*[1], *Institute for Biochemistry, Veterinary University, Vienna, Austria*[2]

244. PINEAL-DEPENDENT AND -INDEPENDENT EFFECTS OF PHOTOPERIOD ON HAMSTER IMMUNE FUNCTION. Jarvi C. Wen, Brian J. Prendergast, *Department of Psychology & Institute for Mind and Biology, University of Chicago, Chicago, IL 60637*

245. THE VASOPRESSIN 1b RECEPTOR GENE, BUT NOT THE VASOPRESSIN 1a RECEPTOR GENE, IS ESSENTIAL FOR SOCIAL AGGRESSION IN MICE. Scott R. Wersinger[1], W. Scott Young III[2], Shuang-Bao Hu[3], Heather Caldwell[2], *University at Buffalo, SUNY, Buffalo, NY*[1], *Section on Neural Gene Expression, NIMH, NIH, DHHS, Bethesda, MD*[2], *Clinical Neuroendocrinology Branch, NIMH, NIH, DHHS, Bethesda, MD*[3]

246. REWARDING VALUES OF EJACULATION AND INTROMISSION IN MALE RATS. Hilary Wilson, Lique M. Coolen, *Department of Cell Biology, Neurobiology, and Anatomy; University of Cincinnati; Cincinnati, OH*

247. SOCIAL STRESS AND PUBERTY ALTER CRH INNERVATION OF THE LIMBIC SYSTEM. Joel C. Wommack, Armando Salinas, Abbie Schindler, Yvon Delville, *Psychology Department and Institute for Neurosicence, The University of Texas at Austin*

248. LIFESTYLE AND HORMONE DYNAMIC INDICES: FREE TESTOSTERONE DYNAMIC INDEX INCREASES ON A HIGH FAT DIET AND DECREASES WITH AEROBIC EXERCISE. Katherine E. Wynne-Edwards, Kristin Hicks, Joanna Lazier, *Department of Biology, Queen's University, Kingston, ON Canada K7L 3N6*[1]

249. SEX DIFFERENCE IN EXPRESSION IN MOUSE BRAIN OF X ESCAPEE Eif2s3x, OR NOT? Jun Xu, Rebecca Watkins, Arthur P. Arnold, *Department of Physiological Science, UCLA*

250. PUBERTAL CHANGES IN NEURONAL STRUCTURE AND SYNAPTIC PROTEIN EXPRESSION IN THE MEDIAL AMYGDALA OF MALE SYRIAN HAMSTERS. Julia L. Zehr[1], Brigitte J. Todd[2], Kalynn M. Schulz[3], Margaret M. McCarthy[2], Cheryl L. Sisk[1], *Neuroscience Program, Michigan State University; East Lansing, MI*[1], *Physiology Department, Program in Neuroscience; University of Maryland School of Medicine; Baltimore, MD*[2], *Psychology Department, Michigan State University; East Lansing, MI*[3]

251. PREGNANCY WEIGHT GAIN: IT HAPPENS IN PROSPECTIVE FATHERS TOO. Toni E. Ziegler[1], Nancy J. Schultz-Darken[1], Shelley Prudom[1], Gary Kraemer[2], Charles T. Snowdon[3], *National Primate Research Center, University of Wisconsin, Madison, WI*[1], *Department of Psychology, University of Toronto at Mississauga, Ontario, CANADA*[2], *Department of Psychology, University of Wisconsin, Madison, WI*[3]

252. PREPULSE INHIBITION IS REDUCED IN MICE WITH THE TESTICULAR FEMINIZATION MUTATION. Damian G. Zuloaga, John A. Morris, Cynthia L. Jordan, S. Marc Breedlove, *Department of Psychology and Program in Neuroscience, Michigan State University, East Lansing, MI, 48824, USA*

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Hosted by The University of Texas at Austin
Austin, Texas

MEET THE PROFESSORS LUNCHES

Graduate and undergraduate students are invited to sign up for a lunchtime discussion with professors in Behavioral Neuroendocrinology. A sign-up sheet will be available at the conference registration desk.

Thursday, June 23rd:

Colin Saldanha (Lehigh University)
Gary Dohanich (Tulane University)
Kim Huhman (Georgia State University)

Friday, June 24th

Alison Fleming (University of Toronto)
Greg Demas (Indiana University)
Chris Wagner (SUNY Albany)

Saturday, June 25th:

Matt Lovern (Oklahoma State University)
Cheryl Sisk (Michigan State University)
Jeff Blaustein (University of Massachusetts)

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