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**CURRICULUM VITAE
MICHAEL JAY BAUM**

ADDRESS: Dept. of Biology
Boston University
5 Cummington St.
Boston, MA. 02215
(617) 353-3009/6964
Cell: 617 834-3362
baum@bu.edu

EDUCATION: B.A. (1965) Carleton College, Northfield, MN
Distinction in Psychology, Magna cum laude,
Phi Beta Kappa
M.A. (1966) McGill University, Montreal, Canada,
Department of Psychology
Ph.D. (1970) McGill University, Montreal, Canada,
Department of Psychology
1970-1971 Erasmus University Medical School,
Rotterdam, The Netherlands, Department of
Endocrinology, Growth and Reproduction.
Postdoctoral Fellow in neuroendocrinology.

PROFESSIONAL APPOINTMENTS:

1971-1977 Scientific civil servant; senior scientific civil servant,
Dept. of Endocrinology, Growth and Reproduction, Erasmus
University, Rotterdam, The Netherlands

1978-1985 Associate Professor, Dept. of Nutrition and
Food Science, Massachusetts Institute of Technology,
Cambridge, MA 02139

1985-1989 Associate Professor, Dept. of Biology,
Boston University, Boston, MA 02215

1989-1993 Research Professor, Dept. of Biology,
Boston University, Boston, MA 02215

1993- 2017 Professor, Dept. of Biology, Boston University
Boston, MA 02215

2017- Professor Emeritus, Dept. of Biology, Boston University
Boston, MA 02215

SERVICE TO BOSTON UNIVERSITY:

1986-1989; 2009. Member of Charles River Campus Animal Use Committee

1995. Member of the search committee to hire a junior faculty member, Dept. of Psychology
(hired Dr. James Cherry)

1996-2006; 2010-2012. Associate Chairman of the Biology Department

1999-2010. Member of the Biology Department Committee on Promotion and Tenure

1996. Member of the search committee to hire a new outside Chair of the Biology Department (hired Dr. Geof Cooper)

1999; 2011; 2012. Chairman of search committees to hire senior neurobiologists in the Biology Department (hired Dr. Kristen Harris in 1999)

1999; 2002; 2005; 2007. Chairman of search committees to hire junior neurobiologists in the Biology Department (hired Drs. Paul Cook, Matt Wachowiak, Ayako Yamaguchi, Hengye Man, Tim Gardner, Angela Ho, and Ian Davison)

2014-2016. Member of College of Arts and Sciences Appointment, Promotion, and Tenure Committee

RESEARCH GRANTS:

1978-1981 NICHD (Principal Investigator)
“Neuroendocrine regulation of male rat sexual behavior”

1982-1992 NIMH Research Scientist Career Development Award
"Behavioral effects of sex hormones"

1980-2007 NICHD (Principal Investigator)
"Differentiation of sexual behavior"

1992-1999 NIMH Senior Scientist Career Award
"Behavioral effects of sex hormones"

1996-2001 NSF (Principal Investigator)
“U.S. - Mexico cooperative research: Comparative aspects of brain and behavioral sexual differentiation in mammals.”

1998-2004 NIMH (Principal Investigator)
“Sexual differentiation of mouse vomeronasal function”

2003-2011 NICHD (Principal Investigator)
“Contribution of estradiol to female neural development”

2008-2015 NIDCD (James Cherry, P.I., Dept. of Psychological & Brain Sciences, Boston Univ.; Michael Baum, Co-Investigator) “Olfactory circuits for reproduction and reward”

PROFESSIONAL SERVICE:

Member of National Institute on Drug Abuse Biomedical Review Panel (1979-1982)

Member of the Psychobiology Advisory Panel, National Science Foundation (1986-88)

Member of the Integrative Neural Systems Advisory Panel, National Science Foundation (1988-89)

Ad hoc reviewer: NIH Biopsychology Study Section (4X); NIMH Basic Behavioral Processes Study Section; NIH Animal Resources Study Section; NIH fellowship review; NIH Neuroendocrinology, Neuroimmunology, Rhythms and Sleep Study Section (2X).

Member of NIH Neuroendocrinology, Neuroimmunology, Rhythms and Sleep Study Section (2008-2012).

Editor: **Hormones and Behavior**, 1996-2004

Editorial board membership (current): **Physiology and Behavior**, **Endocrinology**, **Archives of Sexual Behavior**, **Hormones and Behavior**

PROFESSIONAL SOCIETIES/HONORS:

Society for Behavioral Neuroendocrinology (President 2001-2003; Daniel S. Lehrman Lifetime Achievement Award, 2014)

American Psychological Association (Fellow)

Society for Neuroscience

Endocrine Society

International Academy of Sex Research (President 2006-2007)

Association of Chemosensory Sciences

Carleton College Alumni Association Distinguished Achievement Award, 2015

GRADUATE STUDENTS SUPERVISED:

Lloyd Alderson (M.S., 1980) Currently a physician in Minneapolis, MN

Frank Menniti (M. S., 1980) Currently employed in the pharmaceutical industry

Pamella Holbrook (M. S., 1981) Current position unknown to me

Stuart Tobet (M.S., 1982; Ph.D. 1985) Currently Professor of Biomedical Sciences, Colorado State Univ.

Rona Carroll (M.S., 1983; Ph.D. 1987) Currently Senior Research Associate, Harvard Medical School

Charles Weaver (M. S., 1990) Currently a neurosurgeon in Roswell, Georgia

Geralyn Lambert-Messerlian (Ph.D. 1991) Currently Professor of Pathology, Brown University

Scott Wersinger (Ph.D., 1996) Currently visiting Assistant Professor of Psychology, SUNY Buffalo

Joong-Jean Park (Ph.D., 1998) Currently Professor of Physiology, Korea University Medical School

Diana Chen (M.S., 1999) Current position unknown to me

Heather Halem (Ph.D., 2000) Currently employed in the pharmaceutical industry

Kevin Kelliher (Ph.D., 2001) Currently Associate Professor of Basic Sciences, Univ. Bridgeport College of Chiropractic Medicine

Mary Hui-quan Zhou (M.S. 2005) Currently Assistant Professor of Social Work, Chinese Univ. of Hong Kong

Diana Pankevich (Ph.D., 2005) Currently Program Officer, Institute of Medicine, Washington, D.C.

Kristine Martel (Ph.D., 2009) Currently a resident in family medicine, Univ. of Michigan

Ningdong Kang (Ph.D. 2010) Currently a research associate, Dept. of Radiology, Johns Hopkins Hospital, Baltimore

Brett DiBenedictis (Ph.D. 2014); currently a post-doctoral neurobiology teaching fellow at Boston University

Elizabeth McCarthy (Ph.D. 2017); currently a post-doctoral fellow at Brigham & Woman's Hospital/ Harvard Medical School

POSTDOCTORAL FELLOWS SUPERVISED:

Dr. Mary Erskine (1978-80) Deceased; formerly Professor of Biology at Boston University

Dr. Wilson Bradshaw (1979-1981) Retired President, Florida Gulf Coast University

Dr. James Martin (1980-81) Professor emeritus, College of Osteopathic Medicine of the Pacific

Dr. Ellen Stockman (1982-84) Current position unknown to me

Dr. Paul Doherty (1982-84) Deceased; formerly Assistant Professor of Neuroscience, Northeast Ohio Medical University

Dr. James Cherry (1986-90) Professor of Psychological & Brain Sciences, Boston University
Dr. Randolph Krohmer (1988-89) Professor of Biology, Xavier University
Dr. Raul Paredes (1992-1994) Senior Research Scientist, Institute of Neurobiology, Queretaro, Mexico
Dr. Julie Bakker (1996-2000) Senior Research Scientist, Dept. of Neuroscience, Univ. of Liege, Belgium
Dr. Sarah Woodley (2000-2003) Associate Professor of Biology, Duquesne University
Dr. Olga Alekseyenko (2005-2006) Research Associate, Harvard Medical School
Dr. Wayne Korzan (2011-2013) Current position unknown to me.

UNDERGRADUATE RESEARCHERS SUPERVISED:

J.I. Marcus, B.M. Myers, S.-J. Han, S.K. McConnell, C.C. Awh, J.H. Shim, R.S. Callaghan, H.B. Tang, R.L. Miller, J.H. Patel, Y.E. Lau, C.E. Weaver, B.J. Mehrara, A.M. Oboh, S.C. Bressler, Y.-M. Chang, E.M. Deedy, A.L. Cloe, M.N. Batterton, J. Jakupovic, K. Sorwell, S. Emiligy, A. Sarkar, A. Johnson, A. Helfand, C. Hon, V. Lee; A. Olugbemi, D. Doctor, A. Naik, Z. Bretton, A. Maqsudlu.

RESEARCH TECHNICIANS SUPERVISED:

Matthew Starr, Catherine Gallagher, Stephanie Osiecki, Lisa Lundell, Patricia Kingsbury, Charles Weaver, Mark Basham, Eglantina Kica, Scott Bressler, Yu-Ming Chang, Yannie Lau, Patricia Waters, Daniel Roberts

COURSES TAUGHT:

At MIT: Endocrinology; Introduction to Behavioral Neuroscience

At Boston University: Neurobiology of Motivated Behavior; Behavioral Endocrinology; Sex and Reproduction.

INVITED LECTURES OVER PAST 10 YEARS:

International Neurotoxicology Association symposium (A. Li and L.E. Gray, organizers): 'Building a scientific framework for studying hormonal effects on the development of sexually dimorphic nervous system and adult behavior' Pacific Grove, CA., June 2007.

International Academy of Sex Research Presidential lecture: 'Role of olfaction in mate recognition'. Vancouver, Canada, August 2007.

University of Idaho seminar: 'Role of the 2 olfactory nervous systems in mate recognition', October, 2007.

Society for Behavioral Neuroendocrinology symposium (J. Bakker and M. Keller, organizers): 'Olfactory functions across the lifespan'. Groningen, The Netherlands, July, 2008.

Assn. of Chemosensory Sciences symposium (L. Stowers, organizer): 'Sexually dimorphic processing of pheromones by the olfactory brain'. Sarasota, FL., April, 2009.

Tufts Univ. School of Veterinary Medicine seminar: 'Olfaction and mammalian mate recognition', February 2009

Boston Univ. Medical School: 'Olfaction and mammalian mate recognition', March, 2009

Netherlands Institute for Neuroscience Research: 'Olfaction and mammalian mate recognition', August, 2009.

Academia Sinica, Taiwan: 'Olfaction and mammalian mate recognition', June, 2010.

Society for Behavioral Neuroendocrinology symposium honoring the memory of Prof. Mary Erskine (M.J. Baum, organizer). Toronto, July 2010.

Univ. Maryland Baltimore County: 'Role of 2 olfactory systems in murine pheromone detection', Oct 28, 2010.

Endocrine Society. Chair of a symposium on the 'rewarding effects of sex'. Annual meeting, Boston, MA, June, 2011.

Neurobiology Institute, UNAM, Queretaro, Mexico. 'Interaction of the main and accessory olfactory systems' June 25, 2011.

Society for Reproduction and Fertility; 'Role of olfactory systems in mate recognition in mice'; Symposium on Pheromones and Reproduction. Brighton, U.K., July, 2011.

Dept. of Biology, University of Costa Rica, 'Role of 2 olfactory systems in murine pheromone detection' March 14, 2013

Awards Symposium: Society for Behavioral Neuroendocrinology annual meeting, Sydney, Australia, 'Reflections on a lifetime of behavioral neuroendocrine research + the use of optogenetics to study mouse pheromone perception'. August 20, 2014

Neurobiology Institute, UNAM, Queretaro, Mexico. 'Optogenetic analyses of pheromone perception in mice', March 12, 2015.

Dept. of Psychology, Boston College. 'Brain circuits that process mammalian pheromones' Sept. 14, 2015.

Dept. of Biology, University of Utah. 'Brain circuits that process mammalian pheromones' April 7, 2016.

Olfactory neurobiology research group, University of Lyon, France. 'Brain circuits that process mammalian pheromones' July 20, 2017

Dept. of Biology, Duquesne University, Pittsburg. 'Brain circuits that process mammalian pheromones' February 2, 2018.

PUBLICATIONS:

Refereed papers:

1. Baum, M.J., Pineal gland: Influence on the development of copulation in male rats. *Science*, 1968, 162, 586-587.

2. Baum, M.J., Light-synchronization of rat feeding rhythms following sympathectomy or pinealectomy. *Physiology and Behavior*, 1970, 5, 325-329.

3. Baum, M.J., Precocious mating in male rats following treatment with androgen or estrogen. *Journal of Comparative and Physiological Psychology*, 1972, 78, 356-367.

4. Goldfoot, D.A. and Baum, M.J., Initiation of mating behavior in developing male rats following peripheral electrical shock. *Physiology and Behavior*, 1972, 8, 857-863.

5. Baum, M.J., Hormonal stimulation of precocious mating in male rats without antecedent effects on sexual clasping or ambulation. *Physiology and Behavior*, 1973, 10, 137-140.

6. Baum, M.J. and Vreeburg, J.T.M., Copulation in castrated male rats following combined treatment with estradiol and dihydrotestosterone. *Science*, 1973, 182, 283-285.
7. Baum, M.J. and Goldfoot, D.A., Effect of hypothalamic lesions on maturation and annual cyclicity of the ferret testis. *Journal of Endocrinology*, 1974, 62, 59-73.
8. Baum, M.J., Sodersten, P. and Vreeburg, J.T.M., Mounting and receptive behavior in the ovariectomized female rat: Influence of estradiol, dihydrotestosterone, and genital anesthetization. *Hormones and Behavior*, 1974, 5, 175-190.
9. Sodersten, P., De Jong, F.H., Vreeburg, J.T.M. and Baum, M.J., Lordosis behavior in intact male rats: Absence of correlation with mounting behavior or testicular secretion of estradiol and testosterone. *Physiology and Behavior*, 1974, 13, 803-808.
10. Baum, M.J. and Goldfoot, D.A., Effect of amygdaloid lesions on gonadal maturation in male and female ferrets. *American Journal of Physiology*, 1975, 228, 1646-1651.
11. Vreeburg, J.T.M., Schretlen, P.J.M. and Baum, M.J., Specific, high-affinity binding of estradiol in cytosols from several brain regions and pituitary of intact and castrated adult male rats. *Endocrinology*, 1975, 97, 969-977.
12. Baum, M.J. and Vreeburg, J.T.M., Differential effects of the anti-estrogen MER-25 and of three 5-alpha reduced androgens on mounting and lordosis behavior in the rat. *Hormones and Behavior*, 1976, 7, 87-104.
13. Baum, M.J., Effects of testosterone propionate administered perinatally on sexual behavior of female ferrets. *Journal of Comparative and Physiological Psychology*, 1976, 90, 399-410.
14. Baum, M.J., Everitt, B.J., Herbert, J., Keverne, E.B. and de Greef, W.J., Reduction of sexual interaction in rhesus monkeys by a vaginal action of progesterone, *Nature*, 1976, 263, 606-608.
15. Lodder, J. and Baum, M.J., Facilitation of mounting behavior by dihydrotestosterone propionate in castrated, estradiol benzoate-treated male rats following pudendectomy. *Behavioral Biology*, 1977, 20, 141-148.
16. Baum, M.J., Everitt, B.J., Herbert, J. and Keverne, E.B., Hormonal basis of proceptivity and receptivity in female primates. *Archives of Sexual Behavior*, 1977, 6, 173-192.
17. Baum, M.J., Keverne, E.B., Everitt, B.J., Herbert, J. and de Greef, W.J., Effects of progesterone and estradiol on sexual attractivity of female rhesus monkeys. *Physiology and Behavior*, 1977, 18, 659-670.
18. Baum, M.J., Failure of pituitary transplants to facilitate the onset of maternal behavior in ovariectomized virgin rats. *Physiology and Behavior*, 1978, 20, 87-89.
19. Baum, M.J. and Schretlen, P.J.M., Oestrogenic induction of sexual behavior in ovariectomized ferrets housed under short or long photoperiods. *Journal of Endocrinology*, 1978, 78, 295-296.
20. Baum, M.J., de Greef, W.J., Kloet, F. and Schretlen, P.J.M., Evidence that a factor besides progesterone, prolactin, or plasma estradiol binding protein inhibits estrogen-induced sexual receptivity in pregnant rats. *Journal of Comparative and Physiological Psychology*, 1979, 93, 278-294.
21. Slob, A.K., Baum, M.J. and Schenk, P.E., Effects of the menstrual cycle, social grouping, and exogenous progesterone on heterosexual interaction in laboratory housed stump-tail macaques. *Physiology and Behavior*, 1979, 21, 915-921.
22. Baum, M.J., Slob, A.K., de Jong, F.H. and Westbroek, D.L., Persistence of sexual behavior in

ovariectomized stump-tail macaques following dexamethasone treatment or adrenalectomy. *Hormones and Behavior*, 1978, 11, 323-347.

23. Baum, M.J. and Schretlen, P.J.M., Cytoplasmic binding of oestradiol in several brain regions, pituitary, and uterus of ferrets ovariectomized while in or out of oestrus. *Journal of Reproduction and Fertility*, 1979, 55, 317-321.

24. Myers, B.M. and Baum, M.J., Facilitation by opiate antagonists of sexual performance in the male rat. *Pharmacology Biochemistry and Behavior*, 1979, 10, 615-618.

25. Baum, M.J., Differentiation of coital behavior in mammals: A comparative analysis. *Neuroscience and Biobehavioral Reviews*, 1979, 3, 265-284.

26. Wurtman, J.J. and Baum, M.J., Estrogen reduces total food and carbohydrate intake, but not protein intake in female rats. *Physiology and Behavior*, 1980, 24, 823-828.

27. Baum, M.J., A comparison of the effects of methyltrienolone (R1881) and 5 α -dihydrotestosterone on sexual behavior of castrated male rats. *Hormones and Behavior*, 1979, 13, 165-174.

28. Erskine, M.S., Marcus, J.I. and Baum, M.J., Absence of a diurnal rhythm in lordosis behavior induced by oestrogen in gonadectomized male and female rats. *Journal of Endocrinology*, 1980, 86, 127-134.

29. Myers, B.M. and Baum, M.J., Facilitation of copulatory performance in male rats by naloxone: Effects of hypophysectomy, 17- α -estradiol, and luteinizing hormone releasing hormone. *Pharmacology Biochemistry and Behavior*, 1980, 12, 365-370.

30. Baum, M.J. and Starr, M.S., Inhibition of sexual behavior by dopamine antagonist or serotonin agonist drugs in castrated male rats given estradiol or dihydrotestosterone. *Pharmacology Biochemistry and Behavior*, 1980, 13, 57-67.

31. Erskine, M.S., Marcus, J.I. and Baum, M.J., Effect of anti-androgen and 5- α -reductase inhibitor on hormone-induced sexual behavior during pregnancy in the rat. *Biology of Reproduction*, 1980, 23, 767-775.

32. de Greef, W.J., Schenk, P.E., Vreeburg, J.T.M., van der Vaart, P. and Baum, M.J., Evidence that a placental factor other than androsterone or dihydrotestosterone inhibits oestrogen-induced lordosis behavior in pregnant rats. *Journal of Endocrinology*, 1981, 89, 13-23.

33. McCall, A.L., Han, S.-J., Millington, W.R. and Baum, M.J., Non-saturable transport of oestradiol across the blood-brain barrier in female rats is reduced by neonatal serum. *Journal of Reproduction and Fertility*, 1980, 61, 103-108.

34. Alderson, L.M. and Baum, M.J., Differential effects of gonadal steroids on dopamine metabolism in mesolimbic and nigro-striatal pathways of male rat brain. *Brain Research*, 1981, 218, 189-206.

35. McConnell, S.K., Baum, M.J. and Badger, T.M., Lack of correlation between naloxone-induced changes in sexual behavior and serum luteinizing hormone in male rats. *Hormones and Behavior*, 1981, 15, 16-35.

36. Menniti, F.S. and Baum, M.J., Differential effects of estrogen and androgen on locomotor activity induced in castrated male rats by amphetamine, a novel environment, or apomorphine. *Brain Research*, 1981, 216, 89-107.

37. Baum, M.J. and Gallagher, C.A., Increasing dosages of estradiol benzoate activate equivalent degrees of sexual receptivity in gonadectomized male and female ferrets. *Physiology and Behavior*, 1981, 26, 751-753.

38. Moore, F.L., Zoeller, R.T., Spielvogel, S.P., Baum, M.J., Han, S.-J., Crews, D. and Tokarz, R.R., Arginine vasotocin enhances influx of testosterone into the newt brain. *Comparative Biochemical Physiology*, 1981, 70A, 115-117.
39. Menniti, F.S., Erskine, M.S. and Baum, M.J. Persistence of dihydrotestosterone inhibition of lordosis in estrogen-primed rats fed a tryptophan-deficient diet. *Brain Research Bulletin*, 1981, 7, 1-4.
40. Bradshaw, W.G., Baum, M.J. and Awh, C.C. Attenuation by a 5 α -reductase inhibitor of the activational effect of testosterone propionate on penile erections in castrated male rats restrained in a supine position. *Endocrinology*, 1981, 109, 1047-1051.
41. Bradshaw, W.G., Erskine, M.S. and Baum, M.J. Dissociation of the effects of gonadal steroids on brain serotonin metabolism and sexual behavior in the male rat. *Neuroendocrinology*, 1982, 34, 38-45.
42. Tobet, S.A. and Baum, M.J., Implantation of dihydrotestosterone propionate into the lateral septum inhibits sexual receptivity in estrogen-primed, ovariectomized rats. *Neuroendocrinology*, 1982, 34, 333-338.
43. Menniti, F.S., Erskine, M.S., Tobet, S.A. and Baum, M.J., Dihydrotestosterone-induced inhibition of lordosis in estrogen-primed, ovariectomized rats following 6-hydroxydopamine or electrolytic septal lesions. *Pharmacology Biochemistry and Behavior*, 1982, 16, 211-216.
44. Baum, M.J., Tobet, S.A., Starr, M.S. and Bradshaw, W.G., Implantation of dihydrotestosterone propionate into the lateral septum or medial amygdala facilitates copulation in castrated male rats given estradiol systemically. *Hormones and Behavior*, 1982, 16, 208-223.
45. Erskine, M.S. and Baum, M.J., Plasma concentrations of testosterone and dihydrotestosterone during perinatal development in male and female ferrets. *Endocrinology*, 1982, 111, 767-772.
46. Baum, M.J., Gallagher, C.A., Martin, J.T. and Damassa, D.A., Effect of testosterone, dihydrotestosterone, or estradiol administered neonatally on sexual behavior of female ferrets. *Endocrinology*, 1982, 111, 773-780.
47. Erskine, M.S. and Baum, M.J., Effects of paced coital stimulation on termination of estrus and brain indoleamine levels in female rats. *Pharmacology Biochemistry and Behavior*, 1982, 17, 857-861.
48. Sachs, B.D., Baum, M.J. and Melman, A. Normal sexual behavior and penile reflexes in long-term diabetic rats. *Archives of Andrology*, 1982, 9, 351-353.
49. Holbrook, P.G. and Baum, M.J., Characterization of estradiol receptors in brain cytosols from perinatal ferrets. *Developmental Brain Research*, 1983, 7, 1-8.
50. Baum, M.J., Gallagher, C.A., Shim, J.H. and Canick, J.A., Normal differentiation of masculine sexual behavior in male ferrets despite neonatal inhibition of brain aromatase or 5- α -reductase activity. *Neuroendocrinology*, 1983, 77-284.
51. Baum, M.J., Hormonal modulation of sexuality in female primates. *Bioscience*, 1983, 33, 578-582.
52. Erskine, M.S. and Baum, M.J., Plasma concentrations of oestradiol and oestrone during perinatal development in male and female ferrets. *Journal of Endocrinology*, 1984, 100, 161-166.
53. Baum, M.J. and Erskine, M.S., Effect of neonatal gonadectomy and administration of testosterone on coital masculinization in the ferret. *Endocrinology*, 1984, 115, 2440-2444.

54. Stockman, E.R., Albers, H.E. and Baum, M.J., Activity in the ferret: Oestradiol effects and circadian rhythms. *Animal Behaviour*, 1985, 33, 150-154.
55. Vito, C.C., Baum, M.J., Bloom, C. and Fox, T.O., Androgen and estrogen receptors in perinatal ferret brain. *Journal of Neuroscience*, 1985, 5, 268-274.
56. Lieblich, I., Baum, M.J., Diamond, P., Goldblum, N., Iser, C. and Pick, C.G., Inhibition of mating by naloxone or morphine in recently castrated, but not intact male rats. *Pharmacology Biochemistry and Behavior*. 1985, 22, 361 -364.
57. Doherty, P.C., Baum, M.J. and Finkelstein, J.A., Evidence of incomplete behavioral sexual differentiation in obese male Zucker rats. *Physiology and Behavior*, 1985, 34, 177-179.
58. Stockman, E.R., Callaghan, R.S. and Baum, M.J., Effect of neonatal castration and testosterone treatment on sexual partner preference in the ferret. *Physiology and Behavior*, 1985, 34, 409-414.
59. Baum, M.J., Stockman, E.R. and Lundell, L.A., Evidence of proceptive without receptive defeminization in male ferrets. *Behavioral Neuroscience*, 1985, 99, 742-750.
60. Tobet, S.A. , Shim, J. H. , Osiecki, S.T., Baum, M.J. and Canick, J.A. , Androgen aromatization and 5-alpha reduction in ferret brain during perinatal development: Effects of sex and testosterone manipulation. *Endocrinology*, 1985, 116, 1869-1877.
61. Carroll, R.S., Erskine, M.S., Doherty, P.C., Lundell, L.A. and Baum, M.J., Coital stimuli controlling luteinizing hormone secretion and ovulation in the female ferret. *Biology of Reproduction*, 1985, 32, 925-933.
62. Erskine, M.S., MacLusky, N.J. and Baum, M.J., 5-alpha-dihydrotestosterone inhibits sexual receptivity in hormone-primed ovariectomized rats without affecting estrogen induction of neural progesterin receptors. *Biology of Reproduction*, 1985, 33, 551-559.
63. Baum, M.J., Carroll, R.S., Erskine, M.S. and Tobet, S.A., Technical comment on Gladue et al.'s paper concerning neuroendocrine response to estrogen & sexual orientation. *Science*, 1985, 230, 960-961.
64. Tobet, S.A., Baum, M.J., Tang, H.B., Shim, J.A. and Canick, J.A., Aromatase activity in the perinatal rat forebrain: Effects of age, sex, and intrauterine position. *Developmental Brain Research*, 1986, 23, 171-178.
65. Tobet, S.A., Zahniser, D.J. and Baum, M.J., Sexual dimorphism in the preoptic/anterior hypothalamic area of ferrets: Effects of adult exposure to sex steroids. *Brain Research*, 1986, 364, 249-257.
66. Baum, M.J., Lynch, H.J., Gallagher, C.A. and Deng, M.-H., Plasma and pineal melatonin levels in female ferrets housed under long or short photoperiods. *Biology of Reproduction*, 1986, 34, 96-100.
67. Doherty, P.C., Baum, M.J. and Todd, R.B., Effects of chronic hyperprolactinemia on sexual arousal and erectile function in male rats. *Neuroendocrinology*, 1986, 42, 368-375.
68. Baum, M.J., Gerlach, J.L., Krey, L.C. and McEwen, B.S., Biochemical and autoradiographic analysis of estrogen-inducible progesterin receptors in female ferret brain and pituitary: Correlations with effects of progesterone on sexual behavior and GnRH-stimulated secretion of luteinizing hormone. *Brain Research*, 1986, 368, 296-309.
69. Baum, M.J., Melamed, E. and Globus, M. Dissociation of the effects of castration and testosterone replacement on sexual behavior and neural metabolism of dopamine in the male rat. *Brain Research Bulletin*, 1986, 16, 145-148.

70. Baum, M.J. and Tobet, S.A. Effect of prenatal exposure to aromatase inhibitor, testosterone, or antiandrogen on the development of feminine sexual behavior in ferrets of both sexes. *Physiology and Behavior*, 1986, 37, 111-118.
71. Martin, J.T. and Baum, M.J., Neonatal exposure of female ferrets to testosterone alters social preference in adulthood. *Psychoneuroendocrinology*, 1986, 11, 167-176.
72. Stockman, E.R., Callaghan, R.S., Gallagher, C.A. and Baum, M.J., Sexual differentiation of play behavior in the ferret. *Behavioral Neuroscience*, 1986, 100, 563-568.
73. Tobet, S.A., Zahniser, D.J. and Baum, M.J. Differentiation in male ferrets of a sexually dimorphic nucleus of the preoptic/anterior hypothalamic area requires prenatal estrogen. *Neuroendocrinology*, 1986, 44, 299-308.
74. Baum, M.J., Kingsbury, P.A. and Erskine, M.S. Failure of the synthetic androgen, R1881, to duplicate the activational effect of testosterone on mating in castrated male rats. *Journal of Endocrinology*, 1987, 113, 15-20.
75. Miller, R.L. and Baum, M.J. Naloxone inhibits mating and conditioned place preference for an estrous female in male rats soon after castration. *Pharmacology Biochemistry and Behavior*, 1987, 26, 781-789.
76. Tobet, S.A. and Baum, M.J. Role for prenatal estrogen in the development of masculine sexual behavior in the male ferret. *Hormones and Behavior*, 1987, 21, 419-429.
77. Carroll, R.S., Erskine, M.S. and Baum, M.J. Sex difference in the effect of mating on the pulsatile secretion of luteinizing hormone in a reflex ovulator, the ferret. *Endocrinology*, 1987, 121, 1349-1359.
78. Martin, J.T., Bradshaw, W., Miczek, K. and Baum, M.J. Alpha-melanocyte-stimulating hormone infusions during pregnancy in the rat: Effects on offspring weight, pain reactivity and sexual behavior. *Psychoneuroendocrinology*, 1987, 12, 439-448.
79. Erskine, M.S., Tobet, S.A. and Baum, M.J. Effect of birth on plasma testosterone, brain aromatase activity and hypothalamic estradiol in male and female ferrets. *Endocrinology*, 1988, 122, 524-530.
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