

CURRICULUM VITA

George T. Taylor

EDUCATION:

Ph.D. in animal psychology at Univ of New Mexico (1971)

Postdoctoral work in neurophysiology at Rockefeller Univ. (1974).

CURRENT POSITION:

Professor & Chair of the Department of Psychology

Member of Neuroscience, Cognition & Behavior Faculty

RESEARCH INTERESTS:

Animal models of neuroendocrinology – psychopathology relations

ONGOING PROJECTS include the following:

Neurosteroidal influences on cognition and sociosexual behaviors

Steroid receptor binding in the hippocampus

Chronic mild stress and depression

Hormones as neuroprotective in stroke and other traumatic brain injuries

REPRESENTATIVE RESEARCH PUBLICATIONS

Yuede, C.M., Wozniak, D.F., Creely, C.E., Taylor, G.T., Olney, J.W., & Farber, N.B. (2010). Behavioral consequences of NMDA antagonist-induced neuroapoptosis in the infant mouse brain. *PLoS ONE*, in press.

Taylor, G.T. & Maloney, S. (2010). Gender differences and the role of estrogen in cognitive enhancements with nicotine in rats, *Pharmacology, Biochemistry and Behavior*, 95, 139–145.

Taylor, G.T., Fortenbury, S., Dearborn, J., & Weiss, J. (2009). Hormones in the mentally disturbed brain: Steroids and peptides in the development and treatment of psychopathology. *Central Nervous System Agents in Medicinal Chemistry*, 9, 331-360.

Yeude, C.M. & Taylor, G.T. (2009). Animal models and the biological bases of shyness: Contributions to the understanding of social phobia. In Axelby, C.P. ed. *Social phobia: Etiology, diagnosis and treatment*. Hauppauge, NY: Nova Publishers, 67-92.

Taylor, G.T., Dearborn, J., Fortenbury, S. (2007). The neuroendocrinology of testosterone - sociosexual behavior relations. In *Psychoneuroendocrinology Research Trends*, ed. Czerbska, M. T., pp. 81-113. Nova Science Publishers, Inc., Hauppauge, NY.

Creely, C., Wozniak, D., Labruyere, J., Taylor, G.T. & Olney, J., (2006). Low doses of memantine disrupt memory in adult rats. *Journal of Neuroscience*, 26, 84-93.

Taylor, G. T., Weiss, J. & Zimmermann, F. (2006) Animal models of sex differences in nonreproductive brain function. In *Handbook of*

- Experimental Neurology: Methods and techniques in animal research (Tatlisumak, T. & Fisher, M., eds) Cambridge University Press, New York, pp. 239-256.
- Taylor, G. T., & Yuede, C. (2005). Behaviorally timid rats respond differentially to conventional and atypical neuroleptics. *Pharmacology, Biochemistry & Behavior*, 81, 478-484.
- Taylor, G. T., Farr, S., Klinga, K., & Weiss, J. (2004). Chronic fluoxetine suppresses circulating estrogen and the enhanced spatial learning of estrogen-restored ovariectomized female rats. *Psychoneuroendocrinology*, 29, 1241-1249.
- Braude, S., Lacey, E., Tang-Martinez, Z., & Taylor, G. T. (1999). Stress, testosterone, and the immunoredistribution hypothesis. *Behavioral Ecology*, 8, 345-350.
- Taylor, G.T., Farr, S., Griffin, M., & others (1999). Adult ontogeny of working memory of social interactions. *Journal of Gerontology: Medical Sciences*, 54, M145-M151
- Taylor, G., Bardgett, M., Csernansky, J., Early, T., Haller, J., Scherrer, J., & Womack, S. (1996). Male rat reproductive systems under chronic fluoxetine or trimipramine treatment. *Physiology & Behavior*, 59, 479-485
- Bardgett, M.E., Jackson, J., Taylor, G.T., & Csernansky, J.G. (1995). Kainic acid decreases hippocampal neuronal number and increases dopamine receptor binding in the nucleus accumbens. *Behavioral Brain Research*, 70, 153-164.
- Taylor, G.T., Scherrer, J., Weiss, J., & Pitha, J. (1994). Endocrine interactions: Adrenal steroids and precursors. *American Journal of Physiology*, 266, E676-681.
- Taylor, G.T. (1990). Natural selection and the endocrinology of prostatic cancer: aging's debts from a fit youth. *Growth, Development and Aging*, 54, 3-5.
- Komitowski, D., Muto, S., Weiss, J., Schmitt, B., & Taylor, G.T. (1988). Structural changes in nuclear chromatin in rat pituitary after chronic stress of low intensity. *Anatomical Record*, 220, 125-131.
- Taylor, G.T., Weiss, J., & Rupich, R. (1987). Male rat behavior, endocrinology and reproductive physiology in a mixed-sex, socially stressful colony. *Physiology and Behavior*, 39, 429-433.
- Taylor, G.T., Weiss, J., & Haller, J. (1985). Chronic changes in male rats' hormone-sensitive systems after suprathreshold pulses of testosterone. *Anatomical Record*, 211, 304-310.
- Taylor, G. T. (1982). Urinary odor and size protect juvenile laboratory mice from adult male attack. *Developmental Psychobiology*, 15, 171-186. Rec #: 955.