CURRICULUM VITAE

NAME: James W. Simpkins
DATE OF BIRTH: September 22, 1948
PLACE OF BIRTH: Port Clinton, Ohio
NATIONALITY: American
SEX: Male
FAMILY STATUS: Three children (Chris, Gretchen and Alexea)

PRESENT ADDRESS: Department of Physiology & Pharmacology
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EDUCATION:

University of Toledo	1971	B.S. Biology
University of Toledo	1974	M.S. Biology (C.V. J. Smith)
Michigan State University	1977	Ph.D. Physiology (J. Meites)

POSITIONS HELD

Teaching Assistant, Department of Biology, University of Toledo, Toledo, Ohio, September 1971 to June 1974.

Technician, Department of Physiology, Medical College of Ohio at Toledo, Ohio, June 1972 to September 1974.

Instructor, Science Department, Lansing Community College, Lansing Michigan, January 1975 to September 1977.

Research Assistant, Department of Physiology, Michigan State University, East Lansing, Michigan, September 1974 to September 1977.

Assistant Professor, Department of Pharmaceutical Biology, University of Florida, Gainesville, Florida, September 1977 to July 1982.

Associate Professor, Department of Pharmacodynamics, University of Florida, Gainesville, Florida, July 1982 to August 1986.

Professor, Department of Pharmacodynamics, University of Florida, August 1986 to 2000.

Associate Chairman, Department of Pharmacodynamics, University of Florida, Gainesville, Florida, November 1984 to June 1986.

Chairman, Department of Pharmacodynamics, University of Florida, July 1986 to January 1988.

Assistant Dean for Research and Graduate Studies, College of Pharmacy, University of Florida, January 1988 to January 1989.

Associate Dean for Research and Graduate Studies, College of Pharmacy, University of Florida, January 1989 to February 1991.

Co-Director, Center for the Neurobiology of Aging, University of Florida, July 1988 to 2000

Acting Chairman, Department of Pharmaceutics, College of Pharmacy, University of Florida, July 1995 to December 1996.

Chairman, Department of Pharmaceutics, College of Pharmacy, University of Florida January 1997 to 1999.

Professor, Department of Pharmacology and Therapeutics, College of Medicine, University of Florida, February 1996 to June 2000.

Frank Duckworth Professor of Drug Discovery, College of Pharmacy, University of Florida, August 1996 to June 2000.

Professor, Department of Neurological Surgery, College of Medicine, University of Florida, June 1999 to June 2000.

Professor and Chairman, Department of Pharmacology & Neuroscience, University of North Texas Health Science Center at Fort Worth, Fort Worth, Texas, July 2000 to 2010.

Executive Director, Institute for Aging and Alzheimer's Disease Research, University of North Texas Health Science Center at Fort Worth, Fort Worth, Texas, July 2000 to 2012

Professor of Physiology & Pharmacology, West Virginia University, 2012 to Present.

Founding Director, Center for Basic and Translational Stroke Research, West Virginia University, 2012 to Present.

President, International Society for Aging and Disease, 2012 to 2016.

Professor and Barbara B. Highland Stroke Chair, Department of Neurology, School of Medicine, West Virginia University, 2015 to Present

MAJOR RESEARCH INTERESTS

Assessment of the potency, efficacy and mechanisms of action for the neuroprotective effects of estratrienes, of which 17 β-estradiol is a member. Determination of the role of estrogens in the therapy of Alzheimer's disease, stroke and other neurodegenerative conditions. Determination of the structure-activity relationship of steroids in neuroprotection. Determination of the uses of estrogens in the treatment of non-neuronal disease that have a cytodegenerative component.

AWARDS

Outstanding Graduate Student Award from the Graduate Affairs Committee, Department of Physiology, Michigan State University, East Lansing, MI, 1977.

Research Achievement Award, University of Florida, 1990.

Frank Duckworth Professor of Drug Discovery, College of Pharmacy, University of Florida, August 1996.

Professional Excellence Program Award, University of Florida, 1998.

The Benjamin L. Cohen Award for Outstanding Research, 2001-2002, University of North Texas Health Science Center at Fort Worth.

Health Care Hero, Fort Worth Business Press, 2005.

Names to the "Thirteen Most Brilliant Mind" in Tarrant County, TX, 2008.

President's Award for Excellence in Research-Gold form the UNTHSC, 2012.

Harman Award for Life-Time Achievement in Aging Research, American Aging Association, 2012.

Executive Committee-Dana Alliance for Brain Initiatives, 2013.

Dean's Excellence Award for Research, West Virginia College of Medicine, 2014.

The 2014-2015 Benedum Distinguished Scholar Award in the category of Biosciences and Health Sciences from the Benedum Foundation.

Barbara B. Highland Stroke Chair, Department of Neurology, School of Medicine, West Virginia University, 2015 to Present

SOCIETY MEMBERSHIP

Endocrine Society
American Physiological Society
Sigma Xi

American Association for the Advancement of Science
Society for Neuroscience
The Gerontological Society of America
American Association of Pharmaceutical Scientists
Society for the Study of Ingestive Behavior
American Association of Colleges of Pharmacy
Southeastern Pharmacological Society
American Chemical Society

Editorial Board Appointments

2012-Present Aging and Disease
2015-Present Journal of Neuroinflammation

BOOKS EDITED

1. Meyer, E., **J.W. Simpkins** and J. Yamamoto, Editors, Novel Procedures for the Treatment of Alzheimer's Disease, Plenum Press, 1990, 386 pages.

2. Meyer, E.M., **J.W. Simpkins**, J. Yamamoto and F.T. Crews, Editors, The Treatment of Dementia: A New Generation of Progress, Plenum Press, New York, 1992, 533 pages.

3. Singh, M. and **J. W. Simpkins**, Editors, The Future of Estrogen and Hormone Therapy in Postmenopausal Women: What Basic Science and Clinical Studies Teach Us, New York Academy of Science, 2005, 256 pages.

PUBLICATIONS (Abstracts Not Included)

1. **Simpkins, J.W.** and C.J.V. Smith. The temporal interaction of corticosterone and prolactin in affecting liver lipid metabolism of the chick. Poultry Science 55:728-734, 1976.
2. **Simpkins, J.W.,** J.F. Bruni, R.J. Miduszewski and J. Meites. Serum and pituitary TSH and response to TRH in developing male and female rats. Endocrinology 98, 1365-1369, 1976.
3. Mueller, G.P., **J.W. Simpkins**, J. Meites and K.E. Moore. Differential effects of dopamine agonists and haloperidol on release on prolactin, thyroid stimulating hormone, growth hormone and luteinizing hormone in rats. Neuroendocrinology 20, 121-135, 1976.
4. Grandison, L., J.P. Adivs, C.A. Hodson, **J.W. Simpkins** and J. Meites. Effects of prolactin on post-castration LH release. IRCS Medical Science 4, 427, 1976.
5. Gudelsky, G.A., **J.W. Simpkins**, G.P. Mueller, J. Meites and K.E. Moore. Selective effect of prolactin on dopamine turnover in the hypothalamus and on serum LH and FSH. Neuroendocrinology 22, 206-215, 1976.
6. **Simpkins, J.W**., G.P. Mueller, H.H. Huang and J. Meites. Evidence for depressed catecholamine and enhanced serotonin metabolism in aging male rats: possible relation to gonadotropin secretion. Endocrinology 100, 1672-1678, 1977.

7. Meites, J., **J.W. Simpkins**, J.F. Bruni and J.P. Advis. Role of biogenic amines in control of anterior pituitary hormones. IRCS Medical Science 5, 1-7, 1977.
8. Chen, H.T., **J.W. Simpkins**, G.P. Mueller and J. Meites. Effects of pargyline on hypothalamic biogenic amines and serum prolactin, LH and TSH in male rats. Life Science 21, 533-542, 1977.
9. Meites, J., H.H. Huang and **J.W. Simpkins**. Recent studies on neuroendocrine control of reproductive senescence in rats. In, The Aging Reproductive System, Ed. E.L. Schneider, Raven Press, New York, pp. 213-235, 1977.
10. Turner, J.W. and **J.W. Simpkins**. Effect of hypothalamic lesions and androgen on plasma LH in castrated male rat. Neuroendocrinology 24, 80-89, 1977.
11. Grandison, L., C.A. Hodson, H.T. Chen, J.P. Advis, **J.W. Simpkins** and J. Meites. Inhibition by prolactin of post-castration rise in LH. Neuroendocrinology 23, 312-322, 1977.
12. Meites, J., K.H. Lu, L. Grandison, C.A. Hodson and **J.W. Simpkins**. Relation of prolactin to gonadotropin secretion during postpartum lactation and after castration. In, Progress in Prolactin Physiology and Pathology, Eds. C. Robyn and M. Harter Elsevier/North Holland, Amsterdam, pp. 149-164, 1978.
13. Advis, J.P., **J.W. Simpkins**, H.T. Chen and J. Meites. Relation of biogenic amines to onset of puberty in female rats. Endocrinology 103, 11-16, 1978.
14. Hodson, C.A., **J.W. Simpkins** and J. Meites. Inhibition of LH release and LHRH action by the ovaries of postpartum lactating rats. Endocrinology 102, 832-836, 1978.
15. **Simpkins, J.W.,** C.A. Hodson and J. Meites. Differential effects of stress on release of thyroid-stimulating hormone in young and old male rats. Proc. Soc. Exp. Biol. Med. 157, 144-147, 1978.
16. Hodson, C.A., **J.W. Simpkins** and J. Meites. Effects of brain serotonin reduction on growth of carcinogen-induced mammary tumors in rats. IRCS Med. Sci. 6, 398, 1978.
17. Advis, J.P., **J.W. Simpkins**, J. Bennett and J. Meites. Serotonergic control of prolactin secretion. Life Science 24, 359-366, 1979.
18. **Simpkins, J.W.,** J.P. Advis, C.A. Hodson and J. Meites. Blockade of steroid induced LH release by selective depletion of anterior hypothalamic norepinephrine activity. Endocrinology 104, 506-509, 1979.
19. **Simpkins, J.W**., H.H. Huang, J.P. Advis, and J. Meites. Evaluation of changes in NE and DA turnover during progesterone induced LH and prolactin surges in ovariectomized, estrogen primed rats. Biology of Reproduction 20, 625-632, 1979.
20. Meites, J., **J.W. Simpkins** and H.H. Huang. The relation of hypothalamic biogenic amines to secretion of gonadotropins and prolactin in aging rats. In, Physiology and Cell Biology of Aging, (Aging, vol. 8), Ed. A. Cherkin, Raven Press, New York, pp. 87-94, 1979.
21. Meites, J., G.P. Mueller, **J.W. Simpkins**, C.A. Hodson, and K.E. Moore. Effects of piribedil and other dopamine agonists on secretion of anterior pituitary hormones. Psycholegie Medicale 11, 255-262, 1979.
22. **Simpkins, J.W.** and S.P. Kalra. Blockade of progesterone-induced increase in hypothalamic luteinizing hormone-releasing hormone levels 6-hydroxy-dopamine. Brain Research 170, 475-484, 1979.
23. **Simpkins, J.W.**, P.S. Kalra and S.P. Kalra. Effects of testosterone on catecholamine turnover and LHRH content in the basal hypothalamus and preoptic area. Neuroendocrinology 30, 94-100, 1980.
24. Estes, K.S., **J.W. Simpkins** and C.L. Chen. Alteration in pulsatile release of LH in aging female rats. Proc. Soc. Exp. Biol. Med. 163, 384-387, 1980.

25. Hodson, C.A., **J.W. Simpkins**, K.A. Pass, C.F. Aylsworth, R.W. Steger and J. Meites. Effects of a prolactin secreting pituitary tumor on hypothalamic, gonadotropic and testicular function in male rats. Neuroendocrinology 30, 7-10, 1980.
26. Estes, K.S. and **J.W. Simpkins**. Age-related alterations in catecholamine concentrations in discrete preoptic area and hypothalamic regions in the male rat. Brain Research 194, 556-560, 1980.
27. **Simpkins, J.W**., P.S. Kalra and S.P. Kalra. Temporal alterations in LHRH concentrations in several brain nuclei: effects of estrogen-progesterone and norepinephrine synthesis inhibition. Endocrinology 107, 573-577, 1980.
28. **Simpkins, J.W**., P.S. Kalra and S.P. Kalra. Inhibitory effects of androgens on preoptic area dopaminergic neurons in castrate male rats. Neuroendocrinology 31, 177-181, 1980.
29. Lu, K.H., **J.W. Simpkins**, H.T. Chen and J. Meites. Patterns of pituitary LH release during sustained stimulation by synthetic LRF in cycling female rats. Materia Medica Polona 42, 63-69, 1980.
30. Kalra, S.P., **J.W. Simpkins** and C.L. Chen. The Opioid-Catecholamine Modulation of Gonadotropin and Prolactin Secretion. In, Functional Correlates of Hormone Receptors in Reproduction, Eds. V.B. Mahesh, T.G. Muldoon, B.B. Saxena and W.A. Sadler, Elsevier/North Holland Press, New York, pp. 135-149, 1980.
31. Kalra, S.P., P.S. Kalra and **J.W. Simpkins**. Regulation of LHRH secretion by gonadal steroids and catecholamines. In, Reproductive Processes and Contraception, Ed. K.M. McKerns, Plenum Press New York, pp. 27-45, 1981.
32. Kalra, S.P., **J.W. Simpkins** and P.S. Kalra. Effects of pentobarbital on hypothalamic catecholamines and LHRH activity. Acta Endocrinol. 95, 1-6, 1981.
33. Kalra, S.P. and **J.W. Simpkins**. Evidence for nonadrenergic mediation of opioid effects on LH secretion. Endocrinology 109, 776-782, 1981.
34. Kalra, S.P., **J.W. Simpkins** and P.S. Kalra. Effects of pentobarbital on progesterone-induced changes in hypothalamic LHRH and catecholamine turnover. Endocrinology 108, 1298-1304, 1981.
35. **Simpkins, J.W**., P.S. Kalra and S.P. Kalra. Alterations in daily rhythms of testosterone and progesterone in old male rats. Experimental Aging Research 7, 25-32, 1981.
36. Kalra, P.S., **J.W. Simpkins** and S.P. Kalra. Hyperprolactinemia counteracts the testosterone-induced inhibition of preoptic area dopamine turnover. Neuroendocrinology 33, 118-122, 1981.
37. Estes, K.S., **J.W. Simpkins** and S.P. Kalra. Resumption with clonidine of pulsatile LH release following acute norepinephrine depletion in ovariectomized rats. Neuroendocrinology 35, 56-62, 1982.
38. Meites, J., H.H. Huang, **J.W. Simpkins** and R.W. Steger. Central nervous system neurotransmitters during the decline of reproductive activity. In, The Menopause: Clinical, Endocrinological and Pathophysiological Aspects, Eds. L. Martini, G.B. Melis and S.S.C. Yen, Academic Press, New York, pp. 3-13, 1982.
39. **Simpkins, J.W.,** C.A. Hodson, P.S. Kalra and S.P. Kalra. Chronic hyper-prolactinemia depletes hypothalamic dopamine concentrations in male rats. Life Science 30, 1349-1353, 1982.
40. Kumar, M.S.A., C.L. Chen, E.L. Besch, **J.W. Simpkins** and K.S. Estes. Altered hypothalamic dopamine depletion rate and LHRH content in noncyclic hamsters. Brain Research Bulletin 8, 33-36, 1982.

41. **Simpkins, J.W.** Regulation of thyroid stimulating hormone secretion. In, Handbook of Endocrinology, Eds. G.H. Gass and H.M. Kaplan, CRC Medical Press, Inc., Boca Raton, FL, pp. 61-69, 1982.
42. Estes, K.S. and **J.W. Simpkins**. Resumption of pulsatile LH release following ß-adrenergic stimulation in aging constant estrous rats. Endocrinology 111, 1778-1784, 1982.
43. **Simpkins, J.W.** Changes in hypothalamic hypophysiotropic hormones and neurotransmitters during aging. In, Neuroendocrinology of Aging, Ed. J. Meites, Plenum Press, New York, pp. 41-59, 1983.
44. **Simpkins, J.W.,** K.S. Estes, P.S. Kalra and S.P. Kalra. Alterations in hypothalamic neurotransmitters contribute to the age-related decline in reproductive function in the male rat. In, Male Reproduction and Fertility, Ed. A. Negro-Vilar, Raven Press, New York, pp. 95-109, 1983.
45. **Simpkins, J.W**., S.P. Kalra and P.S. Kalra. Variable effects of testosterone on dopamine activity in several microdissected regions in the preoptic area and medial hypothalamus. Endocrinology 112, 665-669, 1983.
46. Estes, K.S., **J.W. Simpkins** and S.P. Kalra. Normal LHRH neuronal function and hyperprolactinemia in old pseudopregnant Fischer 344 rats. Neurobiology of Aging 3, 247-252, 1983.
47. **Simpkins, J.W**., M.J. Katovich and I.-C Song. Similarities between morphine withdrawal in the rat and the menopausal hot flush. Life Science 32, 1957-1966, 1983.
48. Katovich, M.J. and **J.W. Simpkins**. Effects of chronic hyperprolactinemia on experimentally-induced thirsts in male rats. J. Physiology 341, 75-83, 1983.
49. **Simpkins, J.W.,** F.P. Field and R.J. Ress. Age-related decline in adrenergic responsiveness in several tissues of male rats. Neurobiology of Aging 4, 233-238, 1983.
50. Millard, W.J., S.M. Sagar, **J.W. Simpkins**, R.E. Owens, T.M. Badger, H.G. Friesen and J.B. Martin. Cysteamine-induced depletion of both immunological and biological prolactin activity in the blood and anterior pituitary of the rat. Endocrinology 113, 2161-2167, 1983.
51. Gabriel, S.M. and **J.W. Simpkins**. Effects of a sustained release naloxone pellet on LH secretion in female rats. Neuroendocrinology 37, 342-348, 1983.
52. Gabriel, S.M., **J.W. Simpkins** and S.P. Kalra. Modulation of endogenous opioid influence on LH secretion by progesterone and estrogen. Endocrinology 113, 1806-1811, 1983.
53. **Simpkins, J.W**., K.S. Estes, W.J. Millard, R. Sagar and J.B. Martin. Cysteamine depletes prolactin in young and old hyperprolactinemic rats. Endocrinology 112, 1889-1891, 1983.
54. Bodor, N. and **J.W. Simpkins**. Brain-specific, sustained release of dopamine with a redox delivery system. Science 221, 65-67, 1983.
55. Hodson, C.A., H.W. Burden, I.E. Lawrence and **J.W. Simpkins**. Depletion of tuberoinfundibular dopamine does not restore gonadotropin secretion in ovariectomized hyperprolactinemic rats. Life Science 33, 365-370, 1983.
56. Kumar, M.S.A. and **J.W. Simpkins**. Naloxone blocks the effects of ^{9}-tetrahydrocannabinol on serum luteinizing hormone and prolactin in rats. Substance and Alcohol Action/Misuse 4, 347-353, 1983.

57. Kalra, P.S., **J.W. Simpkins**, W.G. D and S.P. Kalra. Effects on male sex behavior and preoptic dopamine neurons of hyperprolactinemia induced by MtTW15 pituitary tumors. Endocrinology 113, 2065-2071, 1983.
58. Gabriel, S.M., **J.W. Simpkins** and W.J. Millard. The effects of chronic naloxone on pituitary hormone secretion in female rats. Brain Research Bulletin 12, 359-362, 1984.
59. **Simpkins, J.W**., S.T. Taylor, S.M. Gabriel, M.J. Katovich and W.J. Millard. Evidence that chronic hyperprolactinemia effects skin temperature regulation through an opioid mechanism. Neuroendocrinology 39, 321-329, 1984.
60. Katovich, M.J., **J.W. Simpkins**, I.-C Song, N. Bodor and R. Tuttle. A rapid quantitative in vivo assay for narcotic antagonists. Substance and Alcohol Action/Misuse 5, 87-95, 1984.
61. **Simpkins, J.W.** and S.M. Gabriel. Chronic hyperprolactinemia causes progressive changes in hypothalamic dopaminergic and noradrenergic neurons. Brain Research 309, 277-282, 1984.
62. Estes, K.S. and **J.W. Simpkins**. Age-related alterations in catecholamine activity within microdissected brain regions of ovariectomized Fischer 344 rats. J. Neuroscience Research 11, 405-417, 1984.
63. Kalra, P.S., **J.W. Simpkins** and S.P. Kalra. Testosterone raise LHRH levels exclusively in the median eminence of castrated rats. Neuroendocrinology 39, 45-48, 1984.
64. **Simpkins, J.W**. Spontaneous skin flushing episodes in the aging female rat. Maturitus 6, 269-278, 1984.
65. **Simpkins, J.W**. Critique of the role of serotonergic neurons in the phasic release of LH and in reproductive senescence. Neurobiology of Aging 5, 146-149, 1984.
66. **Simpkins, J.W.** and K.S. Estes. Role of monoaminergic neurons in the age-related alterations in anterior pituitary hormone secretion. In, Peptides, Hormones and Behavior, Eds. C.B. Nemeroff and A.J. Dunn, Spectrum Publications: Medical and Scientific Books, pp. 823-863, 1984.
67. Estes, K.S. and **J.W. Simpkins**. Age-related alterations in dopamine and norepinephrine activity within microdissected brain regions of ovariectomized, Long Evans rats. Brain Research 298, 209-218, 1984.
68. DeVane, C.L., **J.W. Simpkins** and S.A. Stout. Cerebral and blood pharmacokinetics of imipramine and its active metabolites in the pregnant rat. Psychopharmacology 84, 225-230, 1984.
69. **Simpkins, J.W.** Regional changes in dopamine metabolism in the aging constant estrous rat. Neurobiology of Aging 5, 309-313, 1984.
70. **Simpkins, J.W.,** F.P. Field, G. Torosian and E.E. Soltis. Effects of prenatal exposure to tricyclic antidepressants on adrenergic responses in progeny. Developmental Pharmacology and Therapeutics 8, 17-33, 1985.
71. **Simpkins, J.W.,** W.J. Millard, S.M. Gabriel and E.E. Soltis. Noradrenergic Methods in Neuroendocrinology. In, Pharmacological Methods in Neuroendocrinology, Ed. R.W. Steger, CRC Medical Press, Boca Raton, FL, pp. 1-66, 1985.
72. Gabriel, S.M., **J.W. Simpkins**, S.P. Kalra and P.S. Kalra. Chronic morphine treatment induces hypersensitivity to testosterone negative feedback in castrated male rats. Neuroendocrinology 40, 39-44, 1985.
73. Leaden, C.A., W.R. Crowley, **J.W. Simpkins** and S.P. Kalra. Effects of naloxone on catecholamine and LHRH release from perifused hypothalamus of steroid-primed rats. Neuroendocrinology 40, 497-500, 1985.

74. **Simpkins, J.W**., N. Bodor and A. Enz. Direct evidence for brain specific release of dopamine from a redox delivery system. J. Pharm. Sci. 74, 1033-1036, 1985.
75. Gabriel, S.M. **J.W. Simpkins** and W.J. Millard. Changes in anterior pituitary hormone secretion and hypothalamic catecholamine metabolism during morphine withdrawal in the female rat. Brain Res. 346, 15-21, 1985.
76. DeVane, C.L. and **J.W. Simpkins**. Pharmacokinetics of imipramine and its major metabolites in pregnant rats and their fetuses following a single dose. Drug Metabolism and Disposition 13, 438-442, 1985.
77. Katovich, M.J. and **J.W. Simpkins**. Role of dopamine in an animal model for the hot flush. In, Homeostasis and Thermal Stress, 6th Intern. Symposium Pharmacol. Thermoregulation, Eds. Cooper, Lomax, Sconbaum and Veale; Karger Basal, pp.123-128, 1985.
78. **Simpkins, J.W.** and M.J. Katovich. An animal model for pharmacologic evaluation of the menopausal hot flush. In, The Climacteric in Prospective, MTP Press, Boston, pp. 213-251, 1986.
79. Katovich, M.J., **J.W. Simpkins**, L.A. Berglund and J. O'Meara. Regional skin temperature changes in a rat model for the hot flush. Maturitus 8, 67-76, 1986.
80. Gabriel, S.M., L.A. Berglund and **J.W. Simpkins**. A decline in endogenous opioid influence during the steroid-induced hypersecretion of luteinizing hormone in the rat. Endocrinology 118, 558-561, 1986.
81. Able, A.M., M.W. McKenzie, **J.W. Simpkins** and O.E. Aranjo. A comparison of warm versus cold compresses in the treatment of doxorubison-induced skin lesions in rats. Fl. J. of Hospital Pharmacy 6, 129-136, 1986.
82. Gabriel, S.M., L.A. Berglund, S.P. Kalra, P.S. Kalra and **J.W. Simpkins**. The influence of chronic morphine treatment on the negative feedback regulation of gonadotropin secretion by gonadal steroids. Endocrinology 119, 2762-2767, 1986.
83. Clark, J.T., **J.W. Simpkins** and S.P. Kalra. Long-term weekly gonadal steroid treatment: effects on plasma prolactin, sexual behavior and hypothalamic - preoptic area catecholamines. Neuroendocrinology 44, 488-493, 1986.
84. **Simpkins, J.W**., J. McCornack, K.S. Estes, M.E. Brewster, E. Shek and N. Bodor. Sustained brain-specific delivery of estradiol causes long-term suppression of luteinizing hormone secretion. J. Med. Chem. 29, 1809-1812, 1986.
85. Katovich, M.J., **J.W. Simpkins** and J. O'Meara. Effects of opioid antagonists and their quaternary analogues on temperature changes in morphine-dependent rats. Life Sciences 39, 1845-1854, 1986.
86. C.L. DeVane and **J.W. Simpkins**, Placental transfer and Teratogenic effects of imipramine in the rat. In, Clinical Pharmacology and Psychiatry IV: Selectivity in Drug Action, Eds. S.M. Paul, L.F. Gram, S. Dahl and W.Z. Potter, Springer-Berkley, NY, pp. 174-178, 1986.
87. Hart, K.N., F.W. Baser, **J.W. Simpkins** and R.M. Roberts. Effects of early pregnancy and acute 17ß-estrogen administration on porcine uterine secretion, cyclic nucleotides and catecholamines. Endocrinology 120, 254-263, 1987.
88. Estes, K.S., M.E. Brewster, **J.W. Simpkins** and N. Bodor. A novel redox system for CNS-directed delivery of estradiol causes sustained LH suppression in castrate rats. Life Sciences 40, 1327-1334, 1987.
89. Katovich, M.J., **J.W. Simpkins**, I-C. Song and J. O'Meara. Effects of central application of naloxone on the skin temperature response in morphine-dependent rats. Brain Res. Bulletin 19, 81-85, 1987.

90. Anderson, W.R., **J.W. Simpkins**, P.A. Woodard, D. Winwood W.C. Stern and N. Bodor. Anxiolytic activity of a Brain-specific GABA delivery system. Psychopharmacology 92, 157-163, 1987.
91. Gabriel, S.M., L.A. Berglund and **J.W. Simpkins**. Chronic morphine treatment enhances the negative and positive feedback effects of estradiol on gonadotropin secretion in ovariectomized rats. Endocrinology 120, 1799-1805, 1987.
92. **Simpkins, J.W.** and M.J. Katovich. Role of hypothermia in the pentobarbital-induced blockade of LH secretion in female rats. Neuroendocrinology 46, 217-221, 1987.
93. Anderson, W.R., **J.W. Simpkins**, M.E., Brewster and N. Bodor. Evidence for the reestablishment of copulatory behavior in castrated male rats with a brain-enhanced estradiol-chemical delivery system. Pharmacology Biochemistry and Behavior 27, 265-271, 1987.
94. Katovich, M.J., **J.W. Simpkins** and C.C. Barney. Alpha-adrenergic mediation of the tail skin temperature response to naloxone in morphine-dependent rats. Brain Res. 426:55-61, 1987.
95. **Simpkins, J.W**. and W.J. Millard. Influence of Age on Neurotransmitter Function. In, Endocrinology and Aging, Endocrine and Metabolic Clinics of North America, Vol 16, No. 14, Ed. Bertram Sacktor, W.B. Sanders Co., Philadelphia, PA, pp. 893-917, 1987.
96. **Simpkins, J.W.,** M. Smulkowski, R. Dixon and R. Tuttle. Evidence for site-specific delivery of narcotic antagonists to the colon as their glucuronide conjugates. J. Pharmacol. Expt. Therapeutics 244:195-205, 1988.
97. Anderson, W.R., **J.W. Simpkins**, M.E. Brewster and N. Bodor. Evidence for suppression of serum LH without elevation in serum estradiol and prolactin with a brain-enhanced redox delivery system for estradiol. Life Sciences 42:1493-1502, 1988.
98. Anderson, W.R., **J.W. Simpkins**, M.E. Brewster and N. Bodor. Brain-Enhanced delivery of testosterone using a chemical delivery system complexed with 2-hydroxy-propyl-ß-cyclodextrin. Drug Design and Delivery 2:287-298, 1988.
99. Berglund, L.A., H. Derendorf and **J.W. Simpkins**. Desensitization of brain opiate receptor mechanisms by gonadal steroid hormone treatment which stimulates LH secretion. Endocrinology 122:200-203, 1988.
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BOOK REVIEWS

Simpkins, J.W. Review of Drug Discovery Technologies, Ed. by C.R. Clark and W.N. Moos, J. Biopharmaceut. Sci. 1:305-307, 1990.

Simpkins, J.W. Review of Drug Discovery: A Casebook and Analysis by R.A. Maxwell and S.B. Eckhardt, J. Biopharmaceutical Sci. 2:379-380, 1991.

EXTRAMURAL GRANT SUPPORT

Past Support:

AG02021 "Catecholamines and Reproductive Aging" $135,934/3 years, PI is **J.W. Simpkins** (30%), 1980-1983.

HD14075 "Placental Transport of Doxepin: Subclinical Effects" $129,000/2 years, Co-PI is **J.W. Simpkins** (15%), 1980-1982.

HD08634 "Ovarian Steroids in Gonadotropin Release Mechanism" $178,402/3 years, PI is P.S. Kalra, **J.W. Simpkins** is Associate Investigator (15%), 1979-1982.

HD11362 "Steroids and Hypothalamic Interactions in Male Rats" $193,290/3 years, PI is P.S. Kalra, **J.W. Simpkins** is Associate Investigator (15%), 1981-1984.

AG02021 "Catecholamines and Reproductive Aging" $225,000/3 years, PI is **J.W. Simpkins** (30%), 1983-1986.

HD14075 "Placental Transport of Lipid Soluble Drugs Subclinical Effects" $253,265/3 years, PI is **J.W. Simpkins** (15%), 1982-1985.

HD18133 "Animal Model for Mechanism of Menopausal Hot Flush" $130,000/3 years, Co-PI is **J.W. Simpkins** (15%), 1983-1986.

RB10862 "Pineal-Hypothalamic Role in Seasonal Reproduction" $40,507/year, PI is D. Sharp, **J.W. Simpkins** is (5%), 1984-1987.

HD14075 "Placental Transport of Lipid Soluble Drugs: Subclinical Effects" $304,755/3 years, PI is **J.W. Simpkins** (15%), 1985-1988.

HD18133 "Animal Model for Mechanism of the Menopausal Hot Flush" $305,904/3 years, PI is M.J. Katovich, **J.W. Simpkins** is (10%), 1986-1990, 1991-1995.

HD22540 "Brain-Specific Gonadal Steroid Delivery Systems" $325,000 TDC, PI is **J.W. Simpkins** (10%), 1987-1990, 1992-1995.

AG02021 "Catecholamines and Reproductive Aging" $400,189 TDC, PI is **J.W. Simpkins** (25%), 1987-1991.

GM41157 "Small Instrumentation Program" $11,925, PI is **J.W. Simpkins** (0%), 1988-1989, 1989-1990.

RR05573 "Biomedical Research Support" $49,609, PI is **J.W. Simpkins** (0%), 1988-1989, 1989-1990, 1990-1991.

NS07333 "Training in Drug Design and Delivery for Neurological Diseases" $292,352/5 years, PI is **J.W. Simpkins** (10%), 1990-1995.

AG00196 "Training in the Neurobiology of Aging" $322,521/5 years, **J.W. Simpkins** is Co-PI, 1989-1994.

RR05704 "Quantitative Densitometry Instrument" $66,800, **J.W. Simpkins** is PI, 1990-1991.

P01 AG10485 "Discovery of Novel Drugs for Alzheimer's Disease" $3,500,000, **J.W. Simpkins** is PI, 1991-1996.

"Neuroprotective Effects of Estrogens and Related Steroids" $110,000, Apollo Genetics, Inc., **J.W. Simpkins** is PI, 11-1-93 to 10-31-96.

P01 AG10485 "Discovery of Novel Drugs for Alzheimer's Disease" $2,800,000, **J.W. Simpkins** is PI, 1996-1999

P01 AG10485 "Discovery of Novel Drugs for Alzheimer's Disease" $5,376,546, **J.W. Simpkins** is PI, 1999-2004.

"Neuroprotective Effects of Estrogens and Related Steroids" $210,000, Apollo Genetics, Inc., **J.W. Simpkins** is PI, 11-1-97 to 10-31-99.

"Neuroprotective Effects of Estrogens and Related Steroids" $110,000, Apollo Genetics, Inc., **J.W. Simpkins** is PI, 1999-2001.

P01 AG10485-S1 "Discovery of Novel Drugs for Alzheimer's Disease" $195,928, **J.W. Simpkins** is PI, 1993-1996 (Animal Care and Behavioral Assessment Core).

AG00196 "Training in the Neurobiology of Aging" $80,389/year, **J.W. Simpkins** is Co-PI, 1994-1999.

PO1 AG10485 "Discovery of Novel Drugs for Alzheimer's Disease" $2,666,710, **J.W. Simpkins** is PI, 1996-1999.

"Neuroprotective Effects of Estrogens and Related Steroids" $300,000, Apollo BioPharmaceutics, Inc.,**J.W. Simpkins** is PI, 1997 to 1999.

“Neuroprotective Effects of Estrogens and Related Steroids” $170,000/year. Apollo BioPharmaceutics, Inc., **J.W. Simpkins** is PI, 1999-2001.

US Army “Neuroprotection from Brain Injury by Novel Estrogens” $475,170, **J.W. Simpkins** is PI, 1999-2003.

AG00196 "Training in the Neurobiology of Aging" $135,000/year, **J.W. Simpkins** is Co-PI, 1999-2004.

“Neuroprotective Effects of Estrogens and Related Steroids” $170,000/year. Apollo BioPharmaceutics, Inc., **J.W. Simpkins** is PI, 2001-2002.

“Neuroprotective Effects of Estrogens and Related Steroids” $170,000/year. MitoKor, Inc., **J.W. Simpkins** is PI, 2002-2003.

NIH HL071684 Mallet (PI) "Pyruvate-enhanced cardiopulmonary resuscitation" **J.W. Simpkins** Co-I September 1, 2002 to August 31, 2007, $250,000

AG19595-01-A2, Watson (PI) "Mechanism of estrogen-induced neuroprotection" **J.W. Simpkins** Co-I September 1, 2002 to August 31, 2005, $150,000/yr

Texas Higher Education Coordinating Board, Advance Technology Program "Development of Novel estrogens for Brain Protection" **J. W. Simpkins** PI January 1, 2004 to December 31, 2005 $100,000/yr

"PO1 AG10485 "Discovery of Novel Drugs for Alzheimer's Disease" $8,000,000, **J.W. Simpkins** is PI, 2005-2010.

T32 AG020494-01 "Predoctoral Training in the Neurobiology of Aging", **J.W. Simpkins** (PI) 10% May 1, 2002 to April 30, 2007, $150,000/yr

NS44765-01, Prokai (PI) "The role of Quinols in estrogen neuroprotection" **J.W. Simpkins** Co-I January1, 2003 to December 31, 2008, $250,000/yr

AG 022550-01, **J. W. Simpkins** (PI) "Mechanisms of cognitive decline during Aging 30% 2008-2013, $1,623,933/yr

R01 AA013864-01, **J. W. Simpkins** (PI) "Estrogens for Alcoholism and its Neurological Consequences" September 1, 2003 to August 31, 2008, $225,000/yr

"PO1 AG10485 "Discovery of Novel Drugs for Alzheimer's Disease" $7,500,000, **J.W. Simpkins** is PI, 2004-2011.

Grant Number: W81XWH-10-2-0003 $174,249.30 per year
Title: Use of Estrogens as Neuroprotectant for the Eye
Agency: Department of Defense
PI: J.W. Simpkins

Grant Number: P20 MD001633 $257,000.00
Title: Role of Ethnicity in the Expression of Hot Flushes
Agency: NIH
PI: J.W. Simpkins

Title: Neuroprotective effects of pyruvant on ischemic stroke $130,000
Sponsor: American Heart Association
PI: ShaoHua Yang
Consultant: J.W. Simpkins

Grant Number: AA015982
Title: Effects of Age on Ethanol Withdrawal Toxicity: Mechanisms and Therapy $1,764,500

Sponsor: NIAAA
PI: Marianna Jung
Co-I: James W. Simpkins

Title: Assessment of the Effects of Nestle Diets on Stroke Outcome in Rats (Project IV) $800,000
Sponsor: Nestle's
PI: ShaoHua Yang
Co-I: James W. Simpkins

Grant Number: AG 10485, Project 4
Title: System Gene Delivery for Alzheimer's Disease $750,000
Sponsor: NIA
PI: Jeffrey Hughes (UF)
JWS is nominative PI

Grant Number: NS05285
Title: Computational Optical Tomography for Anti-Stroke Therapy $1,665,011
Agency: NINDS
PI: Henli Liu (UTA)
Co-I: J.W. Simpkins

Grant Number R01 AG039389-01 $624,538 2012-2014
Agency: NIA
Title: A Blood-Based Screening Tool for Alzheimer's Disease
Co-I: J W Simpkins (PI Sid O'Bryant)

Grant Number: R01 AA015982/Marianna Jung, PI
Agency: NIAAA
Title: Effects of Age on Ethanol Withdrawal Toxicity: Mechanisms and Therapy
Co-I: James W. Simpkins

Grant Number: R01 AA015982/Marianna Jung, PI
Agency: NIAAA
Title: Effects of Age on Ethanol Withdrawal Toxicity: Mechanisms and Therapy
Co-I: James W. Simpkins

Grant Number: AG020494
Title: Predoctoral Training in the Neurobiology of Aging $263,000/yr
Sponsor: NIA
PI: James W. Simpkins

Current Support:

NIH/NIA P01 AG022550 (PI Simpkins) 09/01/2009 to 08/31/2014 (NCE)

Mechanisms of cognitive decline during Aging – Project 2

This grant will determine the role of oxidative stress in the cognitive decline is aging.

NIH/NIA P01 AG022550 (PI Simpkins) 09/01/2009 to 08/31/2014 (NCE)

Mechanisms of cognitive decline during aging – Core A

Management of the program project.

NIH/NIA P01 AG027956 (PI Singh) 12/01/20/2012 –to 11/30/2017

Project 2 PI: Novel mechanistic targets of gonadal hormones in the brain

NIH/NIA R01 NS079792 (PI L-Y Yan) 04/01013 to 03/031/18

Dietary targeting of dihydrolipoamide dehydrogenase for stroke tolerance.

T32 GM081741, Research Training Program in Behavioral and Biomedical Sciences, (Co-PI, Simpkins)-Funded, April, 2014.

CoM Seed Grant for Rodent Behavioral Core Enhancement entitled "The Health Science Center Rodent Behavioral Core: A new facility for the optimized assessment of functional outcomes" Funded, April 2014.

(PI Simpkins) 01/01/14 to 06/01/14 0.5 mo
Nestle Purina $53,242
Assessment of the Mitochondrial Energetic effects of MCT and LCFA in a HT-22 Neuronal Cell Line
The major goal of this project is to determine the effects of mid-chain fatty acids on mitochondrial energetics in a neuronal cell line.

P20 GM109098, West Virginia Stroke CoBRE (PI JW Simpkins) $10.7 million 6.0 mo

(PI Simpkins) 11/01/14 to 05/01/15 0.5 mo
Nestle Purina $75,726
Effects of Nestle-Purina Diets on Serum MicroRNAs Following Ischemic Stroke in Rats

PI Simpkins 10/01/14 to 3/31/16

WVCTSI $100,000

Multi-Investigator Application entitled *"Intermittent Infection/Inflammation and Cognitive Aging"*

Foundation Grants Received

Garvey Texas Foundation -$50,000

JES Edwards Foundation-$15,000

Scott Foundation-$2,500

Gifts

Syngenta-$33,000

Rainwater Charitable Foundation -$25,000

Nestle-Purina $40,000

INTRAMURAL GRANT SUPPORT

"Aging and Hypertension" seed grant from the Division of Sponsored Research, University of Florida, 6-1-78 to 5-31-79, PI is J.W. Simpkins, $4,000.

"Aging and Gonadotropin Secretion" seed grant from the Division of Sponsored Research, University of Florida, 6-1-79 to 5-3-80, PI is J.W. Simpkins, $2,000.

ACS-79-074 "Dopamine and Development of Prolactin Secreting Pituitary Adenomas" from the American Cancer Society Grant to the University of Florida, 6-1-79 to 5-31-80, PI is J.W. Simpkins, $3,579.

PATENTS ISSUED

N. Bodor, K.S. Estes and **J.W. Simpkins**. U.S. Patent 4,617,298 "Methods and Compositions for Weight Control." issued October 14, 1986.

J.W. Simpkins and W.C. Stern. "Method for Eliciting Anxiolysis." U.S. Patent No. 4,786,647, issued Nov. 22, 1988.

W.R. Anderson, N. Bodor and **J.W. Simpkins**, "Methods for Treating Male Sexual Dysfunction." U.S. Patent No. 4,863,911, issued September 5, 1989.

W.R. Anderson, N. Bodor and **J.W. Simpkins**. "Method for Treating Male Sexual Dysfunction." Australian Patent No. 76308/87, Issued April 2, 1991.

W.R. Anderson, N. Bodor and **J.W. Simpkins**, "Method of Testing Male Sexual Dysfunction." Canadian Patent No. 1,300,020, issued May 5, 1992.

W.R. Anderson, N. Bodor and **J.W. Simpkins**. "Method for Treating Male Sexual Dysfunction." European Patent No. 0256668, Issued November 4, 1992.

W.R. Anderson, N. Bodor and **J.W. Simpkins**. "Methods for Treating Sexual Dysfunction." Irish Patent No. 61350, Issued October 21, 1994.

W.R. Anderson, N. Bodor and **J.W. Simpkins**. "Methods for Treating Sexual Dysfunction." German Patent No. 3783468, Issued March 18, 1993.

J.W. Simpkins, M. Singh and J. Bishop. "Methods for Neuroprotection." U.S. Patent 5,554601, Issued September 10, 1996.

J. W. Simpkins and J. Bishop. "Method for Diagnosing Estrogen Responsiveness" U.S. Patent 5,550,029, Issued August 27, 1996.

W.R. Anderson, N. Bodor and **J.W. Simpkins**. "Method for Treating Male Sexual Dysfunction." Japan Patent No. 2646568, Issued May 9, 1997.

James W. Simpkins, "Uses of estrogen compositions for the treatment of disease", US Patent 5,843,934, issued December 1, 1998

James W. Simpkins, "Methods of Treatment of Ischemic Damage", US Patent 5,877,169

James W. Simpkins, P.S. Green and K.E. Gridley, "Methods and compositions to enhance the cytoprotective effects of polycyclic phenolic compounds through the synergistic interaction with antioxidants" US Patent 5,972,923, Issued October 26, 1999.

Simpkins, J.W., K. D. Gordon, R Leonard, Testosterone compounds and use for the protection of neurons, U.S. Patent Number 6,172,088, issued January 9, 2001.

J.W. Simpkins, K. Gordon and P.S. Green, "Neuroprotective effects of polyphenolic compounds" U. S. Patent 6,197,833, issued March 6, 2001.

J.W. Simpkins, P.S. Green and K. E. Gridley, "Preservation of tissue during removal, storage and implantation", U.S. Patent 6,207,658, issued March 27, 2001.

Simpkins, J.W., P. S. Green, Cytoprotective effects of polycyclic phenolic compounds, U.S. Patent Number, 6,319,914, Issued November 20, 2001.

J. W. Simpkins, Katherine Gordon and R. Leonard, "Methods of Prevention and Treatment of Ischemic Damage by Subcutaneous Injection. US Patent Number 6,326,365, issued Dec 4, 2001.

J.W. Simpkins, "Methods of Prevention and Treatment of Ischemic Damage by Intravenous Injection" US Patent 6,339,078, issued January 15, 2002.

Simpkins, J.W. and D.F. Covey, Methods and treatment of ischemic damage, U.S. Patent No. 6,350,739, Issued Feb., 26, 2002.

Simpkins, J.W., P. Green and K.E. Gridley, Compositions to enhance the cytoprotective effects of polycyclic Phenol Compounds through the Synergistic Interaction with Anti-Oxidants, European Patent No. 0977578, Issued March 31, 2004.

Prokai, L., K. Prokai and **J. W. Simpkins**, Steroidal quinols as prodrugs of antioxidants, WO03/084978 A1, Issued, March, 2005.

Prokai, L., K. Prokai and **J. W. Simpkins**, Steroidal quinols and their use for antioxidant therapy, U.S. Patent Number 7,026,306, Issues April 11, 2006.

Laszlo Prokai, K. Prokai and **James W. Simpkins**, Steroidal Quinols and there use for estrogen replacement therapy. U.S. Patent Number 7,300,926, Issued November 27, 2007.

Prokai, L., Prokai, K., **J. W. Simpkins** and N. Agarwal, U.S. Patent Number 7,572,781 "Prodrugs for Use as Ophthalmic Agents, Issues August 11, 2009.

PATENTS FILED

N. Bodor, K.S. Estes and **J.W. Simpkins**. "Compositions for Weight Control," U.S. Patent Application Serial No. 881,381.

J.W. Simpkins, and W.C. Stern. "Methods and Composition for Reducing Injection Site Toxicity," U.S. Patent Office Serial No. 212,316, filed June 12, 1988.

J.W. Simpkins. "Prevention of Drug Extravasation Toxicity," U.S. Patent Office, filed October 12, 1988.

J. W. Simpkins. "Estrogen Compositions and Methods for Neuroprotection" U.S. Patent Application No.: 08/318,042, Filed US Patent Office**,** October 4, 1994

J.W. Simpkins. "A Method and Kit for Diagnosing Responsiveness to Hormone Therapy" U.S. Patent Serial No. 649,422, Filed US Patent Office, May 16, 1996

J. W. Simpkins, P.S. Green and K. Gordon. "Neuroprotective Effects of Polycyclic Phenolic Compounds" (*) U.S. Patent Serial No. 685,574, Filed July 24, 1996.

PCT "Neuroprotective Effects of Polycyclic Phenolic Compounds" PCT/US96/12146 (Designated AU, CA, JP, KR&EP) Filed July 24, 1996.

J.W. Simpkins. "Methods of Prevention and Treatment of Ischemic Damage" U.S. Patent No. 749,703, Filed US Patent Office, November 15, 1996.

J. W. Simpkins, P.S. Green, and K.E. Gridley. "Methods and Compositions to Enhance the Cytoprotective Effects of Polycyclic Phenolic compounds" U.S. Patent Serial No. 035,537, Filed, January 16, 1997.

J. W. Simpkins, P.S. Green, and K.E. Gridley. "The Preservation of Tissue During Removal, Storage & Implantation" U.S. Patent Serial No. 782,883, Filed US Patent Office, January 10, 1997.

PCT "The Preservation of Tissue During Removal, Storage & Implantation" PCT/00482 (Designated AU, CA, JP, KR&EP) Filed US Patent Office, January 10, 1997.

J. W. Simpkins, "Methods of Prevention and Treatment of Ischemic Damage", Filed US Patent Office, October 27, 1998.

J. W. Simpkins, Katherine Gordon and R. Leonard, Testosterone compounds and use fir the protection of neurons. Filed US Patent Office, November 24, 1998.

J. W. Simpkins, Katherine Gordon and Pattie S. Green, " The Cytoprotective effect of Compounds having a Polycyclic Phenolic A Ring, Filed US Patent Office, June 3, 1999.

J. W. Simpkins, Katherine Gordon and Pattie S. Green, " The Cytoprotective effect of Compounds having a Polycyclic Phenolic A Ring, Filed US Patent Office, July 12, 1999.

J. W. Simpkins, Katherine Gordon and R. Leonard, "Methods of Prevention and Treatment of Ischemic Damage", Filed US Patent Office, July 20, 1999.

J. W. Simpkins, Katherine Gordon and R. Leonard, "Methods of Prevention and Treatment of Ischemic Damage", Filed US Patent Office, July 20, 1999 (this is a different patent from the above).

J. W. Simpkins and D. Covey, "Methods of Prevention and Treatment of Ischemic Damage", Filed US Patent Office, August 11, 1999.

Prokai, L. and **J. W. Simpkins**, Alkyl ether modified polyphenolic compounds having a terminal phenol and uses for protection of cells, Filed U.S. Patent and Trademark Office, June 27, 2001.

Simpkins, J. W. and P. Aoun, Neuroprotective effects of PPARγ agonists against cellular oxidative insults, Filed May 9, 2003.

Ratka A. and **J. W. Simpkins**, System, method and apparatus for assessing menopausal or hysterectomy symptoms, filed with US Patent Office 12-6-05

Schetz, J, **J.W. Simpkins** and A. Jeffrey, Butyrophenones and Sigma-1 antagonists protect against oxidative-stress, World Intellectual Property Organization, Publication date, May 11, 2006, WO 2006/05011 A2.

Schetz, J, **J.W. Simpkins** and A. Jeffrey, Butyrophenones and Sigma-1 antagonists protect against oxidative-stress, U.S. Patent Application no. US 2006/01060464 A1, Publication date, May 18, 2006.

Training

Past Faculty Mentoring (and current grant support) and Research Area:

Meharvan Singh (P01 director) - Aging and Alzheimer's disease
Peter Koulen (R01 and P01 component) - Aging and Retinal Function
David Watson (R01) – Aging and Signal Transduction
ShaoHua Yang (multiple R01s) – Mechanism of Stroke Damage
Nathalie Sumien (P01 component) – Cognitive Decline in Aging
Liang-Jun Yan (R01) – Anti-oxidant Therapy for Aging-Related Cognitive Decline
Heather Bimonte-Nelson (R01) – Hormones and Cognitive Aging
Michael Katovich (R01) – Cerebrovascular Function in Disease
Michael Meldrum (R01) – Cardiovascular Function
William Millard (R01) – Growth Hormone and Aging
Marianna Jung (R01) – Alcohol Induced Neurodegeneration
Jane Wigginton (R01) – Estrogen and Brain Trauma

Phoebe Stapleton (K99/R00) – Environmental Toxins and Developmental Cardiovascular Dysfunction
Miranda Reed (R25) – Tau and Stroke Outcome
Taura Barr (Stroke CoBRE Component) – Biomarkers for Acute Stroke
Paola Pergami, (WVU, Department of Pediatrics, CTSI Scholar) – Mechanism of Neonatal Ischemic Brain Injury

Current Faculty Mentoring (Program)

Paul Chantler (Stroke CoBRE Component) – Metabolic Syndrome and Cerebrovascular Dysfunction
Sergiy Yakovenko (Stroke CoBRE Component) – Cerebral Control of Motor Function
Valeriya Gritsenko (Stroke CoBRE Component) – Cerebral Control of Limb Function
Stephanie Frisbee (Stroke CoBRE Component) – Perfluoroalkyls and Stroke in Human Subjects
Sophie Ren (Stroke CoBRE Component) – Mitochondrial Dysfunction and Blood-Brain Barrier Opening
Mohammad Nayeem (Department of Pharmaceutical Sciences) –Cardiovascular Signaling Mechanisms.
Jane Wigginton (UT Southwestern Medical School) - Estrogen and Brain Trauma in Human Subjects
Joshua Gatson (UT Southwestern Medical School) – Estrogens and Blunt Trauma to the Brain
Kayla Green (TCU, Department of Chemistry) – Development of Novel Neuroprotective Compounds
Kebrenten Manaya (Howard University Medical School) – Estrogens and Hippocampal Cell Loss
Karen Baskerville (Lincoln University) – Cerebrovascular Function and Blood Pressure Regulation
Candice Brown (WVU Department of Neurobiology and Anatomy) – Gender effects on Sepsis
Khumar Huseynova (WVU Department of Surgery, CTSI Scholar) – Vascular Surgery Methods and Outcomes

Dissertation Supervisor, Degree, Month and Year Awarded and Research Area

Kerry S. Estes - Ph.D. Awarded, Dec. 1982 – Estrogens and Brain Aging
Steven M. Gabriel - Ph.D. Awarded, Dec. 1984 – Estrogens and Brain Function
I.-Cheng Song - Ph.D. Awarded, Dec. 1984 – Animal Model for Hot Flashes
Lee Ann Berglund - Ph.D. Awarded, May 1989 – Estrogens and Brain Metabolism
Mohamad Rahimy - Ph.D. Awarded, May 1990 – Estrogen Pharmacology
Jean Bishop-Sparks - M.S. Awarded, May 1993 - Estrogens and Brain Metabolism
Sonny Singh - Ph.D. Awarded, May 1994 – Estrogens and Neuroprotection
Jiong Shi - Ph.D. Awarded Aug. 1997 - Estrogens and Brain Metabolism
Pattie S. Green - Ph.D. Awarded, May 1999 - Estrogens and Neuroprotection
Jian Wang-Ph.D. Awarded May 2001 - Estrogens and Neuroprotection
Evelyn Perez- Ph.D. Awarded May 2004 – Novel Non-feminizing Estrogens
Xiaofei Wang, Ph.D. Awarded May 2004 – Novel Estrogens and Eye Function
ShaoHua Yang, Ph.D. Awarded May 2004 – Estrogens and Stroke
Paul Aoun, Ph.D. Awarded May 2004 – PPAR agonists and Neuroprotection
Yi Wen-Ph.D. Awarded August 2004 – Estrogens and Alzheimer's Disease
Kun Don Yi, Ph.D Awarded May 2007 – Estrogens and phosphatases
Pil Kim, 2004-2008, M.S. Awarded, May, 2008 - Estrogens and Neuroprotection
Lonell Smith-M.S. Awarded 2008 - Estrogens and Neuroprotection
Anna Rodrigues-2005-2006 – Estrogens and Hot Flashes
Manjari Chandra-M.S. Awarded 2009 - Estrogens and Neuroprotection
Shaun Logan, Ph.D. Awarded 2009 – Estrogens and Neuroprotection
Zhang Zhang-Ph.D. Awarded 2009 – Estrogens and Tau
Lauren Elolf-Ph.D. Awarded May 2011 – Obesity and Cognition During Aging
Timothy Richardson-DO/PhD Awarded 2014 – Frederick's Ataxia and Estrogens
Maninder Malik-PhD. 2010-2014 – Drug Discovery for Parkinson 's disease
Cathy Tan-MS Awarded 2015 – Glial Polarization
Jessica Sun PhD Awarded 2015 – Alternative Medicine and Neuroprotection
Danielle Doll-PhD Awarded 2015 – Cytokines and Stroke Vulnerability
Dominic Quintana-2014-Present – Glial Role in Alzheimer's disease
J.Z. Chavendish-2014 to Present – Mitochondrial Function Alzheimer's disease
Ashley Kerr-2014-Present – Immune System-Stroke Interactions
Jessica Stalnaker, M.S. Candidate, 2015- Present - not determined
Keyana Porter, PhD candidate, Pharmaceutical Sceinces 2015-Present

Post-Doctoral Fellows

Wesley R. Anderson	1985-1988
Anna Ratka	1987-1991
Rama Ganesan	1989-1990
Mohamad Rahimy	1990-1991
Gopal Rajakumar	1993-1998
Kiran Panickar	1995-1998
Chun L. Yu	1995-1996
David Greenwald	1995-1996

Yu-Qi. Zhang	1995-1997
Guan Wei Guan	1995-1998
LeighAnn Stubley	1997-1998
Jiong Shi	1997-1998
Shao Hau Yang	1997-2000
Zhen He	1999-2000
David Watson	1999-2002
Tao Fan	1999-2000
Cheryl Kyser	2001-2005
Marianna Jung	2000-2003
Mridula Rewal	2001-2005
Ran Liu	2000-2012
Saumyendra Sarkar	2003-2012
Everett Nixon	2008-2012
Shaun Logan	2009-2010
Zhang Zhang	2009-2010
Sujung Jun	2010-2013
Stephanie Rellick	2012-present
Heng Hu	2013-Present
Danielle Doll	2015
Liz Engler-Chiurazzi	2014-present

Undergraduate Research Mentoring

William Adrams	1979-1980
David Fritz	1980-1981
Steven Tarr	1980-1981
Nheing Vu	1980-1981
Wayne Van Deusen	1980-1983
Todd Sadow	1981
Rebecca Dyle	1980-1982
Emily Miller	1980-1982
Susan Taylor	1980-1982
Terry Moore	1981-1982
Ennis Backus	1980-1981
Steven Rhodes	1980-1982
Warren Siciliano	1988-1989
Karen Krzanowski	1989-1990
Cathy Rullan	1991-1992
Gabriel Hurt	1991-1992
Jullett Burry	1992-1993
Janet Blackmere	1992-1993
Fredrick Huang	1992-1993
Preya Persaud	1994-1995
Eric Bodor	1994-1995
Janice Taube	1994
Brian Kersten	1994
Rodnie Cruz	1995-1996

Omid Rabbani	1995-1998
Mandy Hosford	1994-1997
Larissa Zaulyanov	1995-1998
Champ Barber	1995-1997
Rene Sanchez	1996-1997
Toni Hawks	1996-1998
Carl Fulp	1997-1999
Frances Ramos-Cabellos	1997
Patricia M. Wiessel	1997-1998
Christina M. Charriez	1997-1999
Carol Mannings	1997
Stuart Cramer	1997
Tammy Calloway	1999-2000
Yuan Liam	1999-2000
Jason Cutright	1999-2000
Steven L. Pashegoba	1998-1999
Nicole H. Cohen	1998-1999
Catherine Fiola	1999-2000
Aminda Bailes	1999
Chris Bray	1999-2000
Priscilla Pang,	TIMS Program, UNT (2001-2003)
B.J. Shah,	TIMS Program, UNT (2001)
Rosalinda Noquez	SMART Student, UNTHSC (2001)
Katherine Gleason	Smart Student, UNTHSC (2002-2003)
Shereta Wiley	Smart Student, UNTHSC (2002-2003)
Shannak Das	Undergraduate Student, Dunbar High School (2002-2004)
Dameyun Thompson	McNair Program, UNTHSC (2004)
Julia Marcella	Undergraduate student at TCU (2004-present)
Amber Ambrose	Smart Student, UNTHSC (2005)
Alaina K. Markham	TCOME Student (2012)
Thomas Levin-2013	(SURI Student)
Tony (Frank) Lacy	Mentor-2013 (Honors Thesis Program)
Yiran An,	Summer, 2013
Derek Andrein	SURI Student, Summer, 2014
Mimi Bukeirat	WVU Honors student, Summer 2014.
Jared Clapper	Biology Major BIOL 386 research course
K'Ehleyr Thai	SURI Student, summer, 2015
Terezia Galikova	Morgantown High School Student

Undergraduate Didactic Courses

Human Anatomy and Physiology, 50% responsibility, 125 students, 1980-2000

Endocrinology, 30% responsibility, 25 students, 1982

Public Health, 120 students, 1977-1979

Pathophysiology, 120 students, 2-6 lectures per year, 1982-2000

GRADUATE COURSES

Methods in Pharmacodynamics, 5 students, 1986

Advanced topics in Pharmacodynamics, 5 students, 1985-2000

Neurobiology of Aging, 20 students, 1990-2012

Advanced Endocrinology, 15 students, 1991-2000

Neurochemistry, 3 to 5 students, 1995-2012

Issues in the Responsible Conduct of Research, 30 students, 1995-2000

CONTINUING EDUCATION

"Menopausal Hot Flush" at the Continuing Medical Education Conference entitled Hormones, Brain and the Clinician, Tampa, FL, Feb. 18th, 1984.

"Neuropathology of Neurodegenerative Disease" at the CE Conference entitled Neurodegenerative Diseases, Miami, FL, March 16th, 1985.

SUPERVISORY COMMITTEE MEMBER

Patricia Kubanis - Ph.D. awarded, June 1981
Rudyard Ress - Ph.D. awarded, Aug. 1981
Emme Iloeje - M.S. awarded, June 1982
Marcus Brewster III - Ph.D. awarded, Aug. 1982
Gary Visor - Ph.D. awarded, Aug. 1982
Marshall Spearman - Ph.D. awarded, Dec. 1982
Jeffrey Joyce - Ph.D. awarded, Aug. 1983
Edward Soltis - Ph.D. awarded, June 1984
Tony Able - Pharm. D. awarded, June 1984
Ronald Smith - M.S. awarded, June 1984
Kathie Hart - M.S. awarded, Dec. 1984
LiFen Yeh - M.S. awarded, August 1985
V. Ravichandran - Ph.D. awarded, December 1986
Lokenga Badinga - Ph.D. awarded, December 1986
Cathy Smith - Ph.D. awarded, December 1987
Oliver Li - Ph.D. awarded, December 1987
Sung-Hwa Yoon - Ph.D. awarded, May 1989
Indra Reddy - Ph.D. awarded, December 1989
Lynn Peck - M.S. awarded, May 1985

Kathie Young - Ph.D. awarded, May 1988
David Wallace - Ph.D. awarded, May 1991
Prashant Chikhale - Ph.D. awarded, May 1991
Christopher KonKay - Ph.D. awarded, December 1992
Brian Cleaver - M.S. awarded, May 1992
Gondi Kumar - Ph.D. awarded, December 1992
Xudong Ouyang - Ph.D. awarded, December 1993
Angeliki Kourounakis - Ph.D. awarded, May 1996
Vincent Andaloro - Ph.D. awarded, May 1996
Somnath Sarkar - Ph.D. awarded, May 1997
Vinny Srinivacin - Ph.D. awarded, May 1997
Nwando Nwanna, Ph.D. awarded, May 1996
Timothy Lim, Ph.D. awarded, May 1998
Qun Lee, Ph.D. Ph.D. awarded, May 1999
Kelly Daniels, Ph.D. awarded, May 1997
Yang-Suk Lee, Ph.D. awarded, May -1998

Ho-Seung Kim, Ph.D. awarded, May 1998
Pei Chen, Ph.D., Ph.D. awarded, May 1998
Ming Hu, Ph.D., Ph.D. awarded, May 1999
Robin Martin, Ph.D., Ph.D. awarded, May 2000
Bruce Jung, Ph.D., Ph.D. awarded, May 2000
Eric Gonzales, Ph.D. awarded, May 2005
Doung Mei Lu, Ph.D. awarded, May 2006
D. Manesh Kumar, Ph.D. awarded2007
Shalini Pershaud, Ph.D. awarded 2009
Pam Gill, Ph.D. awarded 2007
Murtuza Vali, Ph.D. Candidate, 2002-2005
David Lim, M.S. Candidate, 2005-2009
Joshua Gatson, Ph.D. awarded 2007
Myriam Iglewski, Ph.D. awarded 2009
Amber Ondricek- Ph.D. awarded 2010
Adrienne Badeaux- Ph.D. awarded 2011
Courtney Bowles, Ph.D. candidate, 2007-2012
Sujung Jun- Mol Biology Ph.D. awarded 2010
Ethan Poteet-Ph.D candidate 2008-2012
Patricia Palacios, M.S. candidate 2008-2012
Amanda Yu, DO/Ph.D. PhD awarded 2011
Niki Mirshams Ph.D. awarded 2011
Ashley Petrone, PhD awarded 2015
Patricia Palacios-Ph.D. student, 2009-2012
Roy Choudhury Ph.D. Student -2009-2012
Wenjun Li- Ph.D. Student-2010-2012
Steven Brooks, PhD Student 2011-Present
Sylwia Mrowka- Neuroscience Program, -2013-present, WVU
Alisa Elliott-Neuroscience Program-2013-present, WVU
Afroz Mohammad-Pharmaceutical Sciences Graduate Program, WVU 2015-Present
Kayla Branyan - Exercise Physiology Training Program, 2015-Present, WVU

PROFESSIONAL ACTIVITY

National

Co-chairman of the Session, "Reproduction" at the Annual Meeting of the Federation of American Societies for Experimental Biology, Anaheim, CA, April 15th, 1980.

Selected as a referee for abstracts submitted to the 64th Annual Meeting of the Endocrine Society, 1982.

Scientific Advisory Board for Pharmatec, Inc., May 1983 to May 1985.

Director of Pharmacological Sciences, Pharmatec, Inc., 1985 to 1988.

Site Visit Team, National Institute on Aging, 1983 to present.

Site Visit Team, Division of General Medical Education, NIH, 1983.

Review for grant applications submitted to the Veteran's Administration. "Innovative Research in Aging" Program, 1983.

Reviewer, March of Dimes Grant applications, 1983, 1985.

Ad Hoc Committee on Alzheimer's Disease Research Centers, National Institute on Aging, 1985.

Chairman of the Site Visit Team to the University of Pittsburgh Alzheimer's Disease Research Center, February, 1985.

Aging Review Committee Member, National Institute on Aging, July 1, 1985 to June 30, 1989.

Referee for manuscripts submitted to the following Journals: Endocrinology, Neuroendocrinology, J. American Physiological Society, J. Andrology, J. Gerontology, Biology of Reproduction, Life Sciences, Brain Research, Brain Research Bulletin, Bioscience, Theriogenology, J. Nutrition and Physiology and Behavior, Neurobiology of Aging, J. Pharmacol. Expt. Ther., PNAS, Current Drug Targets, PNAS, PloS One, J. Neuroschemistry, J. Alzheimer's Disease,Current Alzheimer's Disease,Alzheimer's and Dementia, J Neuroimmunology, etc.

Field Editor, Geriatrics and Gerontological Endocrinology, for the Microform Library of Pergamon Press, appointed October, 1985.

Consultant, Key Pharmaceuticals Inc., 1984 to 1985.

Ad Hoc Committee A, Biomarkers of Aging, NIA, 1987.

Chairman, Gerontology and Geriatrics Review Subcommittee A, National Institute on Aging, July 1, 1988 to June 30, 1989.

Research and Graduate Studies Committee Member, American Association of Colleges of Pharmacy, 1988.

NIH Reviewer Reserve, 1989 to 1991, 1993 to present.

Ad Hoc Committee on Alzheimer's Disease Research Centers, National Institute on Aging, January, 1990.

Ad Hoc Committee on Center of Excellence in Geriatric Research and Training, National Institute on Aging, June, 1990.

Reviewer, Eastern Regional Research and Development Office, Veterans Administration.

Aging Review Committee Member, National Institute on Aging, March 1991 to June 30, 1993.

Member, American Pituitary Association, 1993 to present.

Sterling Winthrop Visiting Professor, University of Kentucky, February, 1993.

Consultant, Haughten Pharmaceuticals, Inc., 1993.

Associate Editor, North America, J. Biopharmaceutical Sciences, 1990 to 1993.

Editorial Board, Pharmaceutical Science Communications, 1993 to present.

Panel on Vitality and Aging, White House Office of Domestic Policy, 1994.

Member German-American Cooperation in Health Research, 1996 to 1999.

Ad Hoc reviewer, Alzheimer's Association.

Selected as a Member of the “Work Group on Prevention of Alzheimer’s Disease” for the National Alzheimer’s Association. 1999

Member of the Initial Review Board of the Medical and Scientific Advisory Council of the Alzheimer’s Association, 1998-1999.

Member of the Medical and Scientific Advisory Council of the Alzheimer’s Association, 1999 to present.

Member of the Governing Board, North Central Texas Chapter of the Alzheimer’s Disease

Association, 2003 to 2012

Chairman, Scientific Advisory Board on Reproductive Toxicology-Syngenta, 1992 to present

Scientific Advisory Board on Reproductive Toxicology, Dow Corning, 1995 to present

Consultant Silacone Environment and Health Safety Council, 2004 to present

Scientific Advisory Board-Genelink, 2000 to present

Scientific Advisory Board-Kronos Longivity Institute, 2000 to present

Scientific Advisory Board-Byrd Alzheimer's Institute, Tampa Florida, 2005 to present

Scientific Advisory Board-EyeCyte Therapeutics, 2005 to present

NIA-N Study Section, 2009 to present

American Hearth Association Brain-3 Grant Reviewer, 2012

Frontiers in Aging Neuroscience-Associate Editor

2012-2016, Loan Repayment applications for the National Institute on Aging

Rainwater Charitable Foundation-Grant reviews

2012 American Aging Association Meeting- Program Committee-Member

Journal of Aging and Disease-Editorial Board member

Dana Alliance Brain Initiative-Member

President-International Society on Aging and Disease (ISOAD)-2012-2016

University of Florida

Chairman, University Committee for the Selection of the Searle Scholarship applicants for the University of Florida, 1983.

Chairman, University of Florida Committee for Research Development Award Applications, Division of Sponsored Research, 1984.

Moderator for the Florida Neuroendocrine Symposium, Tampa, FL, 1984.

Moderator for the Florida Neuroendocrine Symposium Continuing Education Conference entitled "Hormones, Brain and the Clinician", Tampa, FL, 1984.

Program Planning Committee Member for the Academic Wing, J. Hillis Miller Health Center, 1985.

Fund Raising Campaign Member for the Academic Wing, J. Hillis Miller Health Center, 1985.

Scientific Advisory Board, Center for Drug Design and Delivery, 1986 to present.

Research Program Development Council, 1988-present.

Co-Director, Center for the Neurobiology of Aging, 1988 to present.

Member, Biotechnology Patent Committee, 1988 to 1990.

Member, Internal Faculty Advisory Board, University of Florida Brain Institute, 1993 to present.

Research Achievement Award, University of Florida, 1990.

Membership Committee, Center for Neurobiological Sciences, 1993 to present.

Task Force on the Institute of Aging, University of Florida, 1991 to 1993.

Internal Scientific Advisory Panel for the Program Project Grant entitled "Sodium Chloride and Aging," 1992 to present.

Scientific Advisory Board, Center for Alcohol Research, 1993 to present.

Internal Scientific Review Panel for the Research Center on Oral Health in Aging, 1991 to 1993.

Training Committee for the NIH Training Grant, "Training in Drug Design and Delivery," 1990 to present.

Training Committee for the NIH Training Grant, "Training in the Neurobiology of Aging," 1989 to present.

Action Plan Committee for the Health Science Center Aging Center, 1994 to 95.

Member, Program in Neural Signal Transduction, Neuroplasticity and Drug Development, 1995to present.

External Review Panel for the Department of Periodontology, College of Dentistry, University of Florida, 1995 to 96.

Markey Faculty Scholar Search Committee, College of Medicine, 1995 to 96.

Search Committee, Stein Gerontological Institute at the Miami Jewish Home and Hospital for the Aged, University of Florida, 1995 to 96.

Associate Director, Regional Initiative on Oralfacial Pain, University of Florida, 1996 to 2000.

College of Pharmacy

Graduate Studies Committee, 1978 to1983.

Biomedical Research Grant Committee, 1982 to present.

Curriculum Committee, 1983 to1985.

Doctor of Pharmacy Committee, 1982 to 1984.

Faculty Retreat Committee, 1982, 1983.

Tenure and Promotion Committee, 1982 to1984, 1986 to1988.

Faculty Advisor for Phi Lambda Sigma, a Pharmacy Leadership Fraternity, 1982 to1987.

Executive Committee, 1984 to 1991.

Search Committee for Faculty in Dept. of Pharmacodynamics 1983 to1984.

Chairman, Search Committee for Chairman of the Department of Pharmaceutics, 1985.

Instrument Room Committee, 1984 to1986.

Self-Study Advisory Committee, 1986.

Member, Self-Study Steering Committee for ACPE Accreditation, 1986 to 87.

Chairman, Graduate Studies Committee, 1988 to1991.

Chairman, Biomedical Research Support Grant Committee, 1988 to 1991.

Member, Public Relations Advisory Committee, 1988 to1991.

Chairman, Graduate Program Self-Study Committee, 1989 to 1990.

Chairman, Task Force on Graduate Studies, 1990.

Member, Department of Pharmacodynamics, Graduate Admissions Committee, 1993 to 2000.

Faculty Search Committee, Department of Pharmacodynamics, 1993 to 1994.

Leadership Council, College of Pharmacy, 1995 to 2000.

Executive Committee, College of Pharmacy, 1995 to 1999.

United Way Community Campaign Committee Member, 1996.

Chairman, Department of Pharmaceutics, 1997 to 1999.

University of North Texas Health Science Center

Chairman, Department of Pharmacology & Neuroscience, July 2000 to 2010

Founding Director, Institute for Aging and Alzheimer's Disease Research, 2000 to 2012

Member, Intramural Research Committee

Member, Research Institute Directors

Member, Basic Science Chairs Committee 2000 to 2012

Chair, Council of Institute Directors, 2002 to 2003

Member-Research Advisory Council-2004 to 2012

Research Strategic Planning Committee-Chair, 2004 to 2005

Member, President's Strategic Thinking Council on Research, 2006 to 2010

President's Leadership Team 2006 to 2012

Faculty Evaluation Committee-2007

Department of Integrative Physiology Chair Search Committee, Chair, 2008 to 2009

Faculty Workload Committee, 2010 to 2011

Member, Clinical Faculty in Geriatric Search Committee-2011 to 2012

P & N Representative on the GSBS P & T Committee 2011 to 2012

Chair, P & T Committee 2011 to 2012

Member, Department of P & N Faculty Search Committee

West Virginia University Health Science Center

Director, Center for Basic and Translational Stroke Research

Member-Center for Neuroscience Steering Committee

Member-Center for Cardiovascular and Respiratory Science Steering Committee

WVU Pilot Grant competition reviews-2014

Center for Neuroscience Retreat Poster Judging, June 2013.

Van Liere Student Poster Judging, February, 2014

Reviewer of WVCTSI Pilot Grants, spring 2014, 2015.

WVCTSI Recruitment Intake Committee, 2013 to 2014

WVCTSI Scholar Selection Committee, 2013 to 2014

Department of Neurology search committee for the Director of Clinical Stroke Research, 2013 to 2014.

Member, Search Committee, Department of Behavioral Medicine and Psychiatry Chair

Chair, Search Committee for the Director of Neurosurgery Research

Member, Search Committee for the Director of Clinical Stroke Research

Member, Search Committee for faculty position in neuroimmunology

Member, Search Committee for faculty position in Neurobiology and Anatomy

WVCTSI Mentoring Academy Committee

Qualifying Exam Committee for the Neuroscience Training Program, WVU

CRMC Committee, WVU HSC

Member of the Search Committee for the Director of the Center for Excellence in Disabilities

COMMUNITY

Board of Director, Gainesville High School Quarterback Club, 1988 to 1989.

President, Gainesville High School Homerun Club, 1989 to 1990, 1991 to 1992.

Board of Directors, Gainesville High School Homerun Club, 1989 to 1992.

Volunteer, J.J. Finley Elementary School, 1985 to 1998.

Honorary Board of Directors, North Central Florida Chapter, Alzheimer's Association, 1992 to 2000.

Chairman, Operations Committee, Southeast Regional American Legion Baseball Tournament, 1994.

Member, University of Florida Dugout Club, 1991 to 2000

Softball Coach, Senior Girls League, City of Gainesville, 1995, 1996.

Honorary Member, North Central Florida, Alzheimer's Association, 1992 to 2000.

Team captain, Alzheimer's Disease walk-a-thon, Fort Worth, Texas Sept. 2000, 2001, 2002.

Member, Board of Directors, North Central Texas Alzheimer's Association, 2003 to 2010.

Member, Medical and Scientific Advisory Board, National Alzheimer's Association 2000 to 2008.

Consulting

Scientific Advisory Board, Syngenta Crop Protection, Inc.

Scientific Advisory Board, Nestlé's Purina Research

Co-Founder, Quality Scientific Solutions, LLC

Scientific Advisor, Cognifem, LLC

Scientific Advisory Board, Eudora Life