

CURRICULUM VITAE

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EDUCATION:

Ph.D. in Physiological Psychology and Neuroscience
University of Florida (R.L. Isaacson, advisor)

M.S. in Physiological Psychology and Neuroscience
University of Florida

B.S. in Physical Sciences and Psychology
Lyman Briggs College, Michigan State University

POSTDOCTORAL TRAINING:

Carl W. Cotman, University of California, Irvine

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Judith Walters, NINDS

CHRONOLOGY OF EMPLOYMENT:

2009-present	Head, Lightning NeuroDiscovery
2009-present	Adjunct Instructor, Sam Houston State University (Psychopharmacology) & LoneStar College (Anatomy & Physiology)
2000-2009	Vice President, Neuroscience Research Lexicon Pharmaceuticals
1994-2000	Associate Director, Cell Biology Department AstraZeneca/Astra Arcus USA/Fisons Pharmaceuticals
1991-1994	Adjunct Professor; Biological Sciences University of Illinois, Chicago
1992-1993	Research Fellow
1985-1993	Section Head, Neurological Diseases Research G.D. Searle & Company

OTHER POSITIONS: Review Editor, Frontiers in: Pharmacology of Ion Channels & Channelopathies

SOCIETIES: Society for Neuroscience

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25. Lanthorn TH, Mealing GAR, Morley P. Differences in degree of trapping between AR-R15896 and other uncompetitive NMDA receptor antagonists. *Amino Acids*, 19:173-175, 2000.
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31. Watson GB, Lanthorn TH. Phenytoin delays ischemic depolarization, but does not block its long-term consequences, in the rat hippocampal slice. *Neuropharmacol* 34:553-558, 1995.
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PATENTS:

1. US5177109 Cordi AA, Lanthorn TH, Monahan JB, Marozzi M, Natalini B, Pellicciari R. 2-amino-4,5-methyleneadipic Acid Compounds for Treatment of CNS Disorders.
2. US6861443 Gurley DA, Lanthorn TH. Positive modulators of nicotinic receptors.

3. US6541243 Harris EW, Lanthorn TH, Kildal M Perfusion chamber for electrophysiological testing of oocytes. (basis for the OpusExpress marketed by Molecular Devices)
4. US6750242 Gurley DA, Lanthorn TH, Macor JE, Rosamond J. Positive modulators of nicotinic receptor agonists.
5. EP2147109A1 Allen ML, Edwards J, Lanthorn TH, Savelieva K. Memory and learning impairments associated with disruption of ephrin receptor A6 (Epha6) gene.
6. USP201261608849 (3 SEP 2012)/EP13709722.6-1453 (17 OCT 2014). Inhibition of AAK1 for the treatment of pain.

GRANTS

1. CTAC Innovation Grant. OTS, LoneStar College System, Montgomery. (9/2015) DiME (Digital Microscope Emulator) app; \$17,600.

WORKSHOPS ORGANIZED:

1. Lanthorn TH, Turner D, Wieloch T, Murphy G, Moskowitz S. Slice cultures: as close to in vivo as in vitro can get. Winter Conference on Brain Research, 2000.
2. Danysz W, Lanthorn TH, Parsons C, Palmer E, Rogawski M. Why are low-affinity NMDA antagonists safer? Congress on Amino Acids, 1999.
3. Lanthorn TH, Dunwiddie T, Lukas R, Green R, Freedman R. The nicotinic receptor: a really smokin' receptor. Winter Conference on Brain Research, 1998.
4. Lanthorn TH, Zorumski C, Quartermain D. Glutamate in learning and memory. Congress on Amino Acids, 1995.
5. Lanthorn TH, Reynolds I, Harris E, Meldrum B. Clinical experience with compounds acting at the NMDA receptor complex. Winter Conference on Brain Research, 1993.
6. Lanthorn TH, Meldrum B, Marcoux F, Rothman S, Choi D. What's wrong with in vitro models of ischemia? Winter Conference on Brain Research, 1989.

SELECTED ABSTRACTS:

1. Ye G-L, Savelieva KV, Vogel P, Baker KB, Syrewicz J, Lanthorn TH, Rajan I. Ligation of spinal nerves L4 & L5 produces robust allodynia without major motor deficits in mice. Soc Neurosci Abs, 35:157.5, 2009.

2. Liu L, Lanthorn TH, Savelieva KV, Zhao S, Pogorelov VM, Rajan I, Yang M, Cullinan E. Genetic disruption of both tryptophan hydroxylase genes strongly reduces serotonin in the brain & affects behavior in models sensitive to antidepressants. *Soc Neurosci Abs*, 34:157.5, 2008.
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4. Rajan I, Vogel P, Savelieva K, Ye G-L, Zhang W, Tran D, Suwanichkul A, Small D, Lanthorn T. Vesicular glutamate transporter 3 is critical for auditory function. *Soc Neurosci Abs*. 34:827.3, 2008.
5. Lanthorn TH, Edwards J, Akella L, Hansard M, Rodriguez L, Small D. The correlation between neurogenesis and depression using phenotypic analysis of 850 knockout lines. 2006.
6. Ye G, Lanthorn TH, Small D. Hypothermia but not MK-801 neuroprotection against hypoxia-induced delayed neuronal death of organotypic hippocampal slices in ICSF. *Soc Neurosci Abs*, 30:456.5, 2004.
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8. Bostwick JR, Pierson ME, Ray R, Julien R, Knisely D, Rapin A, Li C, Lanthorn T. Identification of dihydropyrimidines as N-type calcium channel antagonists. *Soc Neurosci Abs*, 25:2253, 1999.
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11. Gurley DA, Lanthorn TH, Ryan T, Luhowskyj S, Gordon J. Comparison of nicotine and the alpha7-selective agonist AR-R17779 on nAChR alpha7 receptors expressed in *Xenopus* oocytes. *Soc Neurosci Abs*, 24:832, 1998.
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13. Omerovic A, Lanthorn TH, Kelso SR. Does ACPC desensitize the NMDA receptor? *Soc Neurosci Abs*, 20:1144, 1994.
14. Haggerty GC, Charles V, Lanthorn TH. Acute vacuolization study of subsutaneously administered D-cycloserine in Sprague-Dawley rats. *Soc Neurosci Abs*, 1993.

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