ALAN L. PEHRSON, PH.D.

Montclair State University
College of Humanities and Social Sciences
Department of Psychology
Dickson Hall 118 • 1 Normal Ave. • Montclair, NJ 07043
(973) 655-4150 (office) • pehrsona@montclair.edu

EDUCATION

Ph.D., Psychology (Biological)
Department of Psychology
Virginia Commonwealth University
August 2007
Dissertation: *The Effects of Early Postnatal PCP Administration on Performance in Locomotor Activity, Reference Memory, and Working Memory Tasks in C57BL/6 Mice.*

M.S., Psychology (Biological)
Department of Psycholgy
Virginia Commonwealth University
December 2003

B.S., Psychology
Department of Psychology
Virginia Commonwealth University
May 2001

PROFESSIONAL EXPERIENCE

Assistant Professor
Department of Psychology
Montclair State University
2017–present

Consultant
Alkermes, Plc.
April 2017 – August 2017

Research Scientist
Lundbeck Research USA, Inc.
2014 – 2015

Postdoctoral Fellow
Connie Sanchez, D.Sc.
Lundbeck Research USA, Inc.
2010 – 2014

Postdoctoral Fellow
Bita Moghaddam, Ph.D.
Center for Neuroscience
University of Pittsburgh
2007 – 2010

Laboratory Manager
Joseph H. Porter, Ph.D.
Department of Psychology
Virginia Commonwealth University
2005 - 2007

Graduate Research Assistant
Joseph H. Porter, Ph.D.
Department of Psychology
Virginia Commonwealth University
2001-2007

Research Technician
Joseph H. Porter, Ph.D.
Department of Psychology
Virginia Commonwealth University
1999 – 2001

TEACHING

Courses taught at Montclair State University

Spring 2018
PSYC 520: Human Experimental Psychology
PSYC 301: Experimental Psychology

Fall 2017
PSYC 301: Experimental Psychology
PSYC 305: Physiological Psychology

Courses taught at Virginia Commonwealth University

Summer 2006
PSYC 214: Application of Statistics in Psychological Research

Summer 2005
PSYC 214: Application of Statistics in Psychological Research

2004-2005 Academic Year
PSYC 401: Physiological Psychology (2 sections)
Note: Dual enrollment course at Maggie L. Walker Governor's School for Government and International Studies and Virginia Commonwealth University.

Spring 2004
PSYC 214: Application of Statistics in Psychological Research (Teaching Assistant)

Fall 2003
PSYC 214: Application of Statistics in Psychological Research (Teaching Assistant)

Spring 2002
PSYC 407: Abnormal Psychology (Teaching Assistant)

Fall 2002
PSYC 101: Introduction to Psychology (Teaching Assistant)

PUBLICATIONS

PEER-REVIEWED SCIENTIFIC ARTICLES

Felice, D., Guilloux, J. P., **Pehrson, A.**, Mendez-David, I., Li, Y., Gardier, A. M., … David, D. J. (2018). Vortioxetine improves context discrimination in mice through a neurogenesis-independent mechanism. *Frontiers in Pharmacology*. doi: 10.3889/fphar.2018.00204.

Pehrson, A. L., Pedersen, C. S., Tølbøl, K. S., & Sanchez, C. S. (2018). Vortioxetine treatment reverses subchronic PCP treatment-induced cognitive impairments: A potential role for serotonin receptor-mediated regulation of GABA neurotransmission. *Frontiers in Pharmacology*. doi: 10.3389/fphar.2018.00162.

Perez, P.D., Ma, Z., Hamilton, C., Sanchez, C., Mørk, A., **Pehrson, A.**, … Zhang, N. (2018). Acute effects of vortioxetine and duloxetine on resting-state functional connectivity in the awake rat. *Br J Pharmacol*. Advanced online publication. doi:10.1016/j.neuropharm.2017.10.038.

Dale, E., Grunnet, M., **Pehrson, A.L.**, Frederiksen, K., Larsen, P.H., Nielsen, J., … Sanchez, C. (2017). The multimodal antidepressant vortioxetine may facilitate pyramidal cell firing by inhibition of 5-HT_3 receptor expressing interneurons: An in vitro study in rat hippocampal slices. *Brain Research*. Advanced online publication. doi: 10.1016/j.brainres.2017.12.025.

Hlacova, N., Li, Y., **Pehrson, A.L.**, Bermudez, I., Csanova, A., Jezova, D., & Franklin, M. (2017). Contrasting effects of vortioxetine and paroxetine on pineal gland biochemistry in a tryptophan-depletion model of depression in female rats. *Progress in Neuropsychopharmacology & Biological Psychiatry*. Advanced online publication.. doi: 10.1016/j.pnpbp.2017.07.008.

Cakroborty, S., Geisbush, T.R., Dale, E., **Pehrson, A.L.**, Sanchez, C., & West, A.R. (2017). Impact of vortioxetine on synaptic integration in prefrontal-subcortical circuits: comparisons with escitalopram. *Frontiers in Pharmacology*. 8:764. doi: 10.3389/fphar.2017.00764.

Waller, J.A., Nygaard, S.H., Li, Y., du Jardin, K.G., Tamm, J.A., Abdourahman, A., Elfving, B., **Pehrson, A.L.**, Sanchez, C., & Wernersson, R.. (2017). Neuroplasticity pathways and protein-interaction networks are modulated by vortioxetine in rodents. *BMC Neuroscience*. 18, 56.

Li, Y., **Pehrson, A.L.**, Oosting, R., Gulinello, M., Olivier, B., & Sanchez, C. (2017). A study on the time- and sex-dependent effects of vortioxetine on sexual behavior. *Neuropharmacology*. 121, 89-99.

Nackenoff AG, Simmler LD, Baganz NL, **Pehrson AL**, Sanchez C, & Blakely RD. (2017). Serotonin transporter-independent actions of the antidepressant vortioxetine as revealed using the SERT Met172 mouse. *ACS Chemical Neuroscience*. 8(5), 1092-1100.

Waller, J.A., Tamm, J.A., Abdourhaman, A., **Pehrson, A.L.**, Li, Y., Cajina, M., & Sanchez, C. (2017). Chronic vortioxetine treatment in rodents modulates gene expression of neurodevelopmental and plasticity markers. *European Neuropsychopharmacology*. 27(2),192-203.

Kugathasan, P., Waller, J., Westrich, L., Abdourahman, A., Tamm, J.A., **Pehrson, A.L.**, … Li, Y. (2017). In vivo and in vitro effects of vortioxetine on molecules associated with neuroplasticity. *J Psychopharmacology*. 31(3), 365-76.

Prus, A.J., Wise, L.E., **Pehrson, A.L.**, Philibin, S.D., Bang-Andersen, B., Arnt, J., & Porter, J.H. (2016). Discriminative stimulus properties of 1.25 mg/kg clozapine in rats: mediation by 5-HT_2 and dopamine D_4 receptors. *Brain Research*. 1648, 298-305.

Pehrson, A.L., Hillhouse, T.M., Haddjeri, N., Rovera, R., Porter, J.H., Mørk, A., … Sanchez, C. (2016). Task- and treatment-dependent effects of vortioxetine on scopolamine-induced cognitive dysfunction and hippocampal extracellular acetylcholine in rats. *Journal of Pharmacology and Experimental Therapeutics*. 358, 472-482.

Smagin, G.N., Song, D., Waller, J.A., Li, Y., **Pehrson, A.**, & Sanchez, C. (2016). Histamine may contribute to vortioxetine's procognitive effects: possibly through an orexigenic mechanism. *Prog Neuropsychopharmacol Biol Psychi.* 68, 25-30.

Pehrson, A.L., Jeyarajah, T., & Sanchez, C. (2016). Regional distribution of serotonin receptors: A systems neuroscience perspective on the downstream effects of the multimodal-acting antidepressant vortioxetine on excitatory and inhibitory neurotransmission. *CNS Spectrums.* 21(2), 162-83.

Dale, E., **Pehrson, A.L.**, Jeyarajah, T., Li, Y., Leiser, S.C., Smagin, G., … Sanchez, C. (2016). Effects of serotonin in the hippocampus: How SSRIs and multimodal antidepressants might regulate pyramidal cell function. *CNS Spectrums.* 21(2):143-161.

Li, Y.*, **Pehrson, A.L.***, Waller, J.A., Dale, E., Sanchez, C., & Gulinello, M. (2015). The role of the activity-regulated cytoskeleton-associated protein (Arc/Arg3.1) in regulating dendritic plasticity, cognitive processes, and mood in depression. *Frontiers in Neuroscience.* 9:279. doi: 10.3389/fnins.2015.00279.
*These authors have contributed equally to this work.

Leiser, S., Inglesias-Bregna, D., **Pehrson, A.**, & Sanchez, C. (2015). Differentiated effects of the multimodal antidepressant vortioxetine on sleep architecture: Part 2, pharmacological interactions in rodents suggest a role of 5-HT3 receptor antagonism. *Journal of Psychopharmacology*. 29(10), 1092-1105

Prus, A.J., Mooney-Leiber, S.M., Berquist, M.D. II, **Pehrson, A.L.**, Porter, N.J., & Porter, J.H. (2015). The antidepressant drugs fluoxetine and duloxetine produce anxiolytic-like effects in a schedule-induced polydipsia paradigm in rats: acceleration of fluoxetine's effects by the α2 adrenoceptor antagonist yohimbine. *Behavioral Pharmacology*. 26(5), 489-94.

Li, Y., Abdourahman, A., Tamm, J., **Pehrson, A.L.**, Sanchez, C., & Gulinello, G. (2015). Reversal of age-associated cognitive deficits is accompanied with increased plasticity-related gene expression after chronic antidepressant administration in middle-aged mice. *Pharmacology, Biochemistry & Behavior*. 135: 70-82.

Leiser, S.C., Li, Y., **Pehrson, A.L.**, Dale, E., Smagin, G., & Sanchez, C. (2015). Serotonergic regulation of prefrontal cortical circuitries involved in cognitive processing: A review of 5-HT receptor mechanisms and the net effect of vortioxetine, an antidepressant acting through multiple serotonergic targets. *ACS Chemical Neuroscience*. 6(7), 970-986.

Betry, C., Overstreet, D., Haddjeri, N., **Pehrson, A.L.**, Bundgaard, C., Sanchez, C., & Mørk, A. (2015). A 5-HT_3 receptor antagonist potentiates the behavioural, neurochemical and electrophysiological actions of an SSRI antidepressant. *Pharmacology, Biochemistry & Behavior*. 131, 136-142.

Betry, C., Etievant, A., **Pehrson, A.**, Sanchez, C., & Haddjeri, N. (2015). Effect of the multimodal antidepressant vortioxetine on rat hippocampal plasticity and recognition memory. *Progress in Neuropsychopharmacology & Biological Psychiatry*. 58, 38-46.

Pehrson, A.L., & Sanchez, C. (2015). Altered γ-amino butyric acid neurotransmission in major depressive disorder: A critical review of the evidence and the influence of serotonergic antidepressants. *Drug Design, Development and Therapy*. 9, 603-624

Pehrson, A.L., Leiser, S.C., Gulinello, M., Dale, E., Li, Y., Waller, J., & Sanchez, C. (2015). Treatment of cognitive dysfunction in major depressive disorder – a review of the preclinical evidence for efficacy of selective serotonin reuptake inhibitors, serotonin-norepinephrine reuptake inhibitors and the multimodal-acting antidepressant vortioxetine. *European Journal of Pharmacology*. 753, 19-31.

Leiser, S.C., **Pehrson, A.L.**, Robichaud, P.J., & Sanchez, C. (2014). The multimodal antidepressant vortioxetine increases frontal cortical oscillations unlike escitalopram and duloxetine - a quantitative electroencephalographic study in the rat. *British Journal of Pharmacology*. 171(18), 4255-4272.

Jacobsen, J.P., Plenge, P., Sachs, B.D., **Pehrson, A.L.**, Cajina, M., Du, Y., … Caron, M.G. (2014). The interaction of escitalopram and R-citalopram at the human serotonin transporter investigated in the mouse. *Psychopharmacology*. 231(23), 4521-4540.

Wallace, A., **Pehrson, A.L.**, Sanchez, C., & Morilak, D.A. (2014). Vortioxetine reverses reversal learning impaired by 5-HT depletion or chronic intermittent cold stress in rats. *International Journal of Neuropsychopharmacology*. 17(10), 1695-706.

Maeda, K., Sugino, H., Akazawa, H., Amada, N., Shimada, J., Futamura, T., Yamashita, H., Ito, N., McQuade, R.D., Mørk, A., **Pehrson, A.L.**, … Kikuchi, T. (2014). Brexpiprazole I: In vitro and in vivo characterization of a novel serotonin-dopamine activity modulator. *Journal of Pharmacology and Experimental Therapeutics*. 350(3), 589-604.

Jensen, J.B., du Jardin, K.G., Sanchez, C., & **Pehrson, A.L.** (2014). Vortioxetine, but not escitalopram or duloxetine, reverses memory impairment induced by 5-HT depletion in rats: evidence for direct 5-HT receptor modulation. *European Neuropsychopharmacology*. 24(1), 148-159.

du Jardin, K.G., Jensen, J.B., Sanchez, C., & **Pehrson, A.L**. (2014). Vortioxetine dose-dependently reverses 5-HT depletion-induced deficits in spatial working and object recognition memory: A potential role for 5-HT_{1A} receptor agonism and 5-HT_3 receptor antagonism. *European Neuropsychopharmacology*. 24(1), 160-171.

Pehrson, A.L., & Sanchez, C. (2014). Serotonergic modulation of glutamate neurotransmission as a strategy for treating depression and cognitive dysfunction. *CNS Spectrums*. 19(2), 121-133.

Guilloux, J.P., Mendez-David, I., **Pehrson, A.**, Guiard, B.P., Reperant, C., Orvoen, S., … David, D.J. (2013). Antidepressant and anxiolytic potential of the multimodal antidepressant vortioxetine (Lu AA21004) assessed by behavioural and neurogenesis outcomes in mice. *Neuropharmacology*. 73, 147-159.

Betry, C., **Pehrson, A.L.**, Etievant, A., Ebert, B., Sanchez, C., & Haddjeri, N. (2013). The rapid recovery of 5-HT cell firing induced by the antidepressant vortioxetine involves 5-HT_3 receptor antagonism. *International Journal of Neuropsychopharmacology*. 16(5), 1115-1127.

Pehrson, A.L., Cremers, T., Betry, C., van der Hart, M.G., Haddjeri, N., Jorgensen, L., … Sanchez, C. (2013). Lu AA21004, a novel multimodal antidepressant, produces regionally selective increases of multiple neurotransmitters – a rat microdialysis and electrophysiology study. *European Neuropsychopharmacology*. 23(2), 133-145.

Pehrson, A.L., Bondi, C.O., Totah, N.K., & Moghaddam, B. (2013). The influence of NMDA and GABA(A) receptors and glutamic acid decarboxylase (GAD) on attention. *Psychopharmacology (Berl)*. 225(1), 31-39.

Li, Y., **Pehrson, A.L.**, Budac, D.P., Sanchez, C., & Gulinello, M. (2012). Rodent models of premenstrual dysphoria: progesterone withdrawal induces depression-like behavior in multiple behavioral domains that is differentially sensitive to classes of antidepressants. *Behavioural Brain Research*. 234(2), 238-247.

Mørk, A., **Pehrson, A.**, Brennum, L.T., Nielsen, S.M., Zhong, H., Lassen, A.B., … Stensbol, T.B. (2012). Pharmacological effects of LuAA21004: a novel multimodal compound for the treatment of major depressive disorder. *Journal of Pharmacology and Experimental Therapeutics*. 340(3), 666-675.

Pehrson, A.L., & Moghaddam, B. (2010). Impact of metabotropic glutamate 2/3 receptor stimulation on activated dopamine release and locomotion. *Psychopharmacology*. 211(4), 443-455.

Prus, A.J., **Pehrson, A.L.**, Philibin, S.D., Wood, J.T., Vunck, S.A., & Porter, J.H. (2009). The role of M_1 muscarinic receptors and N-desmethylclozapine in the discriminative stimulus properties of the atypical antipsychotic drug clozapine. *Psychopharmacology*. 203(2), 295-301.

Prus, A.J., Vann, R.E., Rosecrans, J.A., James, J.R., **Pehrson, A.L.**, O'Connell, M.M., … Robinson, S.E.. (2008). Acute nicotine reduces and repeated nicotine increases spontaneous activity in male and female Lewis rats. *Pharmacology, Biochemistry & Behavior*. 91(1), 150-154.

Pehrson, A.L., Philibin, S.D., Gross, D., Robinson, S.E., Vann, R.E., & Rosecrans, J.A. (2008). The effects of acute and repeated nicotine doses on spontaneous activity in male and female Sprague-Dawley rats: analysis of brain area epibatadine binding and cotinine levels. *Pharmacology, Biochemistry & Behavior*. 89(3), 424-31.

Prus, A.J., Philibin, S.D., **Pehrson, A.L.**, & Porter, J.H. (2006). The discriminative stimulus properties of the atypical antipsychotic drug clozapine in rats trained to discriminate 1.25 mg/kg clozapine vs. 5.0 mg/kg clozapine vs. vehicle. *Behavioural Pharmacology*. 17(2), 185-194.

Prus, A.J., Philibin, S.D., **Pehrson, A.L.,** Stephens, C.L., Cooper, R.N., Wise, L.E., & Porter, J.H. (2005). Generalization testing with atypical and typical antipsychotic drugs in rats trained to discriminate 5.0 mg/kg clozapine from vehicle in a two-choice drug discrimination task. *Drug Development Research*. 64(1), 55-65.

Philibin, S.D., Prus, A.J., **Pehrson, A.L.**, & Porter, J.H. (2005). Serotonin Receptor Mechanisms Mediate the Discriminative Stimulus Properties of the Atypical Antipsychotic Clozapine in C57BL/6 Mice. *Psychopharmacology*. 180(1), 49-56.

Prus, A.J., Philibin, S.D., **Pehrson, A.L.,** & Porter, J.H. (2005). Generalization to atypical antipsychotic drugs depends on training dose in rats trained to discriminate 1.25 mg/kg clozapine versus 5.0 mg/kg clozapine versus vehicle in a three-choice drug discrimination task. *Behavioural Pharmacology*. 16(7), 511-20.

PEER-REVIEWED BOOK CHAPTERS

Moghaddam, B., & **Pehrson, A. L.** (2010). Disinhibition of prefrontal cortex neurons in schizophrenia. In: *Advances in Schizophrenia Research 2009* (pg. 99 – 111). Gattaz W and Busatto G (Eds.), Springer Publishing, New York.

Bundgaard, C., **Pehrson, A. L.**, Sanchez, C., & Bang-Andersen, B. (2015). The discovery and development of the multimodal acting antidepressant vortioxetine. In: Blood Brain Barrier in *Drug Discovery: Optimizing Brain Exposure of CNS Drugs and Minimizing Brain Side Effects* (pg. 505 – 520). Di L, and Kerns E (Eds.), Wiley Publishing, New Jersey.

Publication Metrics

Total number of peer-reviewed articles and book chapters: 48.
Total number of citations (according to Google Scholar): 1529.
h-index (according to Google Scholar): 23.
i10-index (according to Google Scholar): 32.

PEER-REVIEWED PUBLISHED ABSTRACTS

Mørk, A., **Pehrson, A.L.**, Betry, C., David, D., Li, Y., Gulinello, M., … Sanchez, C. (2013). Vortioxetine (Lu AA21004), a multimodal antidepressant: differentiation from current antidepressants in animal models of depression. *Eur Neuropsychopharmacol.* 23(Suppl 2), S392-S393.

Pehrson, A., Li, Y., Haddjeri, N., Gulinello, M., & Sanchez, C. (2013). Vortioxetine, a novel multimodal antidepressant, modulates GABA and glutamate neurotransmission via serotonergic mechanisms. *Eur Neuropsychopharmacol.* 23(Suppl 2), S196-S197.

Sanchez, C., Robichaud, P.J., **Pehrson, A.**, & Leiser, S.C. (2012). The effects of the multimodal antidepressant Lu AA21004 on attention and vigilance as measured EEG activity in the rat. *Eur Neuropsychopharmacol.* 22(Suppl 2), S243-S244.

Mørk A, **Pehrson A**, Montezinho LC, Karlsson JJ, Trippodi Murphy C, Miller S, … Sanchez C. (2012). Preclinical effects of Lu AA21004, a novel multimodal antidepressant. *Eur Neuropsychopharmacol.* 22(Suppl 2), S268-S269.

Haddjeri, N., Etievant, A., **Pehrson, A.**, Sanchez, C., & Betry, C. (2012). Effects of the multimodal antidepressant Lu AA21004 on rat synaptic and cellular hippocampal plasticity and memory recognition. *Eur Neuropsychopharmacol.* 22(Suppl 2), S303.

Pehrson, A., du Jardin, K.G., Jensen, J.B., & Sanchez, C. (2012). The novel multimodal antidepressant Lu AA21004 improves memory performance in 5-HT depleted rats via 5-HT_3 and 5-HT_{1A} receptor mechanisms. *Eur Neuropsychopharmacol.* 22(Suppl 2), S269.

Gulinello, M., Li, Y., **Pehrson, A.**, & Sanchez, C. (2011). Progesterone withdrawal models of depression in rats: behavioral characterization and efficacy of Lu AA21004 and fluoxetine. *Eur Neuropsychopharmacol.* 21(Suppl 3), S377-S378.

Pehrson, A., Cremers, T., Westerink, B., Jorgensen, L., Madsen, M., Ebert, B., & Sanchez, C. (2011). Acute and subchronic Lu AA21004 induces monoamine release through a mechanism involving multiple serotonergic receptors. *Eur Neuropsychopharmacol.* 21(Suppl 3), S403.

SCHOLARLY PRESENTATIONS

Research Lectures:

Pehrson, A.L. (2017, October). *Ex vivo* autoradiography for mu and kappa opioid receptors: Development and implementation of novel receptor occupancy assays. Invited lecture given at Alkermes, plc in Waltham, MA.

Pehrson, A.L. (2014, December). Serotonergic modulation of glutamate neurotransmission as a strategy for treating cognitive dysfunction associated with Major Depressive Disorder. The Neuroscience Colloquium Series, Northern Michigan University, Marquette, Michigan.

Pehrson, A.L. (2009, February)**.** Glutamate neurotransmission in Schizophrenia: New approaches to understanding and treating this disease. The Discourses from the Academy Colloquium Series, Northern Michigan University, Marquette, Michigan.

Pehrson, A.L. (2007, April). Early postnatal PCP administration impairs reference and working memory performance, but has no effect on locomotor activity in male C57BL/6 mice. University of North Carolina / Medical College of Virginia Lab exchange, Richmond, Virginia

Pehrson, A.L. (2005, September). Evaluation of ziprasidone drug discrimination as a screen for atypical antipsychotic drugs: Preliminary results. Society for the Stimulus Properties of Drugs meeting at the 11th Biennial European Behavioral Pharmacology Society Meeting in Barcelona, Spain

Pehrson, A.L. (2005, April). The effects of ketamine administration on an operant delayed alternation task: Task design and preliminary data University of North Carolina / Medical College of Virginia Lab exchange, Chapel Hill, North Carolina

Pehrson, A.L. (2003, March). In Search of a Deficit: the Effects of Subchronic Dosing of PCP in Mice and Ketamine in Rats in the 8-Arm Radial Maze. University of North Carolina / Medical College of Virginia Lab exchange, Chapel Hill, North Carolina

Poster Presentations (Selected):

Pehrson, A.L., Plath, N., & Sanchez, C. (2013). Vortioxetine, an investigational antidepressant, reverses executive function deficits in rats treated subchronically with PCP. Poster no. NR 11-58. Presented at the 166th annual meeting of the American Psychiatric Association in San Francisco, CA, USA.

Pehrson, A.L., Westrich, L., & Sanchez, C. (2012). Ex vivo autoradiography for the 5-HT7 receptor using [^{3}H]SB269970: Assay validation and estimation of fractional occupancy for SB269970 and the novel multimodal antidepressant vortioxetine. Poster no. 664.23. Presented at the annual Society for Neuroscience meeting in New Orleans, LA, USA.

Pehrson, A.L., du Jardin, K.G., Jensen, J.B., & Sanchez, C. (2012) The multimodal antidepressant Lu AA21004, but not escitalopram or duloxetine, reverses cognitive dysfunction produced by serotonin depletion in female rats. Poster no. O87. Presented at the 22nd Neuropharmacology conference in New Orleans, LA, USA.

Pehrson, A.L., Totah, N.K.B., & Moghaddam, B. (2009). Inhibition of NMDA or GABA-A receptors, but not reduction of GAD activity in the prefrontal cortex impairs preparatory attention. Program no. 580.24. 2009 Abstract viewer/itinerary planner. Chicago, IL. Society for Neuroscience. Online.

Pehrson, A.L., DeFrancesco, A., & Moghaddam, B. (2008). Activation of metabotropic glutamate 2/3 receptors reduces amphetamine-induced dopamine release and hyperlocomotion. Program no. 156.9. 2008 Abstract viewer/itinerary planner. Washington, DC. Society for Neuroscience. Online.

Pehrson, A.L., Walentiny, D.M., Wood, J.T., Vunck, S.A., & Porter JH (2007). Differential effects of early postnatal NMDA antagonism on memory performance in male and female C57BL/6 mice. Program no. 498.20. 2007 Abstract viewer/itinerary planner, San Diego, CA. Society for Neurosicence, Online.

Pehrson, A.L., & Porter, J.H. (2006). Subchronic phencyclidine (PCP) administration reduces escape latencies in a working memory task in the Morris water maze in C57BL/6 mice: an in depth analysis. Program no. 753.20. 2006 Abstract viewer/itinerary planner. Atlanta, GA. Society for Neuroscience. 2006, Online.

Pehrson, A.L., Wood, E., Prus, A.J., Philibin, S.D., & Porter, J.H. (2005) Drug discrimination with the atypical antipsychotic ziprasidone in rats. Program no. 913.16. 2005 Abstract viewer/itinerary planner. Washington, DC. Society for Neuroscience, 2005. Online.

Pehrson, A.L., Wise, L.E., Philibin, S.D., Prus, A.J., Rhodes, M.M., & Porter, J.H. (2004). The effects of subchronic administration of phencyclidine (PCP) on performance of C57BL/6 mice in the Morris water maze. Neuroscience Abstracts. Program no. 85.4

Pehrson, A.L., Wise, L.E., Philibin, S.D., Prus, A.J., Rhodes, M.M., & Porter, J.H. (2003). The effects of acute and subchronic administration of phencyclidine (PCP) on performance of C57BL/6 mice in the Morris water maze. Neuroscience Abstracts. Program no. 754.13.

AWARDS AND RECOGNITION

Scholarships and Fellowships

2005–2007 Ruth L. Kirschstein National Research Service Award, National Institute of Mental Health. F31 MH070154-01A2. Phencyclidine-induced cognitive deficits.

2007 Student Research Award, Psychology Department, Virginia Commonwealth University.

2005 Society for the Stimulus Properties of Drugs Student Travel Award for presenting "Evaluation of ziprasidone drug discrimination as a screen for atypical antipsychotic drugs: Preliminary results" at the 11th Biennial Meeting of the European Behavioral Pharmacology Society.

2003 Graduate Research Fellowship, Department of Psychology, Virginia Commonwealth University.

2000 Undergraduate Research Grant Award, Department of Psychology, Virginia Commonwealth University. The eight arm radial maze: Subchronic dosing of mice with PCP.

Academic Honors

2007 Outstanding Biopsychology Student of the Year Award, Psychology Department, Virginia Commonwealth University.

PROFESSIONAL, PUBLIC, AND UNIVERSITY SERVICE

Service to the Discipline

Editorial Service

2016 – present Guest Associate Editor, *Frontiers in Pharmacology, section Neuropharmacology*. Special topic: Glutamate Neurotransmission in Major Depressive Disorder (MDD) – The Role of Glutamate and its Modulatory Systems in MDD Pathology and Novel Treatment Strategies.

Ad Hoc Reviewer

- *Behavioral Brain Research*
- *Drug Design, Development and Therapy*
- *Expert Review of Clinical Pharmacology*
- *International Journal of Neuropsychopharmacology*
- *Medical Research Archives*
- *Neuropharmacology*
- *Progress in Neuropsychopharmacology and Biological Psychiatry*
- *Psychopharmacology*

Service to Montclair State University

2017 – present Member, Neuroscience Working Group. This group is exploring the viability of neuroscience degree(s) at Montclair State University.

2017 – present Faculty Advisor, Montclair Student Neuroscience Association

Service to the Montclair State University College of Humanities and Social Sciences

2017 – present Psychology Department Representative, College of Humanities and Social Sciences Undergraduate Curriculum Committee

Service to the Montclair State University Department of Psychology

2017 – present Member, Psychology Department Adjunct Assessment Committee

Thesis Committee Membership

2017 Member, Thesis Committee, Mark D. Zuppichini, Montclair State University Department of Psychology

ASSOCIATION MEMBERSHIPS

2002–present Society for Neuroscience