

## SHEREE F. LOGUE, Ph.D.

### CURRICULUM VITAE

#### BIOGRAPHICAL INFORMATION

**Office:**

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The Pennsylvania State University  
University Park, PA 16802  
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#### EDUCATION

Rockhurst College, Kansas City, Missouri: **B.A. in Psychology/Biology**; 1989

Indiana University, Bloomington, Indiana: **Ph.D. in Psychology and Neural Science**; 1994

**Dissertation title:** An examination of the role of the hippocampus in the acquisition and timing of a signaled bar-press in appetitive and aversive conditioning

**Thesis Mentor:** Joseph Steinmetz, Ph.D.

#### POSTDOCTORAL TRAINING/RESEARCH ASSOCIATE POSITIONS

Institute for Behavioral Genetics, University of Colorado, 1994 - 1998

#### SCIENTIFIC INTERESTS

- Neurobiological, genetic and behavioral models of schizophrenia with focus on the negative symptoms of asociality and anhedonia
- Neurobiology of attention and impulsivity in relation to psychiatric disorders and alcohol addiction
- Neurobiology of perception, learning, memory and executive cognitive function

#### POSITIONS

January 2017 – Current

**Director of Biomarker Core Laboratory**

Department of Biobehavioral Health, The Pennsylvania State University, University Park, PA

August 2016 – Current

**Senior Instructor and Research Associate Professor**

**Director of Biomarker Core Laboratory**

Department of Biobehavioral Health, The Pennsylvania State University, University Park, PA

June 2011 – May 2016

**Director of Weiss Hall Animal Facility**

**Reviewing Member of Institutional Animal Care & Use Committee**

Temple University, Philadelphia, PA

- August 2010 – May 2016     **Assistant Professor**  
Department of Psychology, Temple University, Philadelphia, PA
- Jan. 2010 – May 2010     **Assistant Professor, Adjunct**  
Department of Psychology, Temple University, Ambler, PA
- May 2007 – Jan. 2010     **Principal Research Scientist I &  
Chair of Institutional Animal Care and Use Committee**  
In Vivo Pharmacology, Wyeth Research, Princeton, NJ
- Jan. 2004 – May 2007     **Principal Research Scientist I**  
In Vivo Pharmacology, Wyeth Research, Princeton, NJ
- Feb. 2002 – Jan. 2004     **Section Head of Psychopharmacology**  
Aventis Pharmaceuticals, Bridgewater, NJ
- Dec. 1998 – Feb. 2002     **Scientist in Neuroscience Department**  
AstraZeneca Pharmaceuticals, Wilmington, DE
- Sept. 1996 – Nov. 1998     **Postdoctoral Research Associate**  
Institute for Behavioral Genetics, University of Colorado, Boulder, CO
- June 1994 – Aug. 1996     **Regular Fellow on NRSA training grant**  
Institute for Behavioral Genetics, University of Colorado, Boulder, CO
- Sept. 1992 - May 1994     **Associate Instructor**  
Department of Psychology, Indiana University, Bloomington, IN

## TEACHING EXPERIENCE

- August 2016 – current     Department of Biobehavioral Health  
The Pennsylvania State University, University Park, PA
- Spring 2010 – May 2016     Department of Psychology  
Temple University, Philadelphia, PA  
**Behavioral Neuroscience – undergraduate & graduate levels**  
**Capstone: Nature vs. Nurture: The impact of genetics on behavior**  
**Cognitive Neuroscience**  
**Cognitive Psychology**  
**Psychopharmacology – Graduate level**  
**Critical Thinking in Psychology**  
**Conducting Psychological Research – an intensive writing course**
- Fall 1992 – Spring 1994     Department of Psychology  
Indiana University, Bloomington, IN  
**Methods in Experimental Psychology**  
**Statistical Techniques**

## Student Mentoring

Three students have worked with me as a teaching assistant for my Behavioral Neuroscience under the Diamond Peer Teacher Program

Faculty mentor for the Nu Rho Psi academic honor society since the chapter was established in 2014

## PROFESSIONAL AFFILIATIONS, SERVICES, AND AWARDS

Member, Society for Neuroscience

Adjunct reviewer, NIH Neuropharmacology/Diagnostics Small Business (ETTN-C-11) Study Section, June 2010, March 2011, June 2011

Ad hoc reviewer, Pharmacology, Biochemistry and Behavior

Ad hoc reviewer, The Journal of Neuroscience

Ad hoc reviewer, The Netherlands Organisation for Health Research and Development

Reviewing member, Institutional Animal Care and Use Committee, AstraZeneca (1998 - 2002); Wyeth (2004 – 2010)

Mentor, Committee on Women in Neuroscience Mentoring Program

Research Fellowship from the Animal Behavior Research Training Grant, Indiana University (1992)

Research Fellowship from the Program in Neural Science, Indiana University (1992-1993)

## PUBLICATIONS

### Peer-Reviewed Manuscripts

**Logue, S.**, Chein, J., Gould, T., Holliday, E., & Steinberg, L. (2014). Adolescent mice, unlike adults, consume more alcohol in the presence of peers than alone. *Developmental Science*, *17*(1), 79-85. doi: 10.1111/desc.12101

**Logue, S. F.** & Gould, T. J. (2014). The neural and genetic basis of executive function: Attention, cognitive flexibility, and response inhibition. *Pharmacology, Biochemistry and Behavior*, *123*:45-54.

Kenney, J. W., Poole, R. L., Adoff, M. D., **Logue, S. F.**, & Gould, T. J. (2012). Learning and nicotine interact to increase CREB phosphorylation at the jnk1 promoter in the hippocampus. *PLoS One*, *7*(6):e39939. doi: 10.1371/journal.pone.0039939. Epub 2012 Jun 28.

Kelly, M. P., **Logue, S. F.**, Brennan, J., Day, J. P., Lakkaraju, S., Jiang, L., Zhong, X., Tam, M., Sukoff-Rizzo, S. J., Platt, B. J., Dwyer, J. M., Neal, S., Pulito, V. L., Agostino, M. J., Grauer, S. M., Navarra, R. L., Kelley, C., Comery, T. A., Murrills, R. J., Houslay, M. D., & Brandon, N. J. (2010). Phosphodiesterase 11A in brain is enriched in ventral hippocampus and deletion causes psychiatric disease-related phenotypes. *Proceedings of the National Academy of Science*, *107*(18), 8457-8462. Epub 2010 Apr 19.

**Logue, S. F.**, Grauer, S. M., Paulsen, J., Graf, R., Taylor, N., Sung, M. A., Zhang, L., Hughes, Z., Pulito, V. L., Liu, F., Rosenzweig-Lipson, S., Brandon, N. J., Marquis, K. L., Bates, B., Pausch, M. (2009). The orphan GPCR, GPR88, modulates function of the striatal dopamine system: a possible therapeutic target for psychiatric disorders? *Molecular & Cellular Neuroscience*, *42*(4), 438 – 447. Epub 2009 Sep 29.

Grauer, S. M., Pulito, V. L., Navarra, R. L., Kelly, M. P., Kelley, C., Graf, R., Langen, B., **Logue, S.**, Brennan, J., Jiang, L., Charych, E., Egerland, U., Liu, F., Marquis, K. L., Malamas, M., Hage, T.,

- Comery, T. A., Brandon, N. J. (2009). Phosphodiesterase 10A inhibitor activity in preclinical models of the positive, cognitive, and negative symptoms of schizophrenia. *Journal of Pharmacology & Experimental Therapeutics*, 331(2), 574 – 590. Epub 2009 Aug 6.
- Ring, R. H., Schechter, L. E., Leonard, S. K., Dwyer, J. M., Platt, B. J., Graf, R., Grauer, S., Pulicicchio, C., Resnick, L., Rahman, Z., Sukoff Rizzo, S. J., Luo, B. Beyer, C. E., **Logue, S. F.**, Marquis, K. L., Hughes, Z. A., Rosenzweig-Lipson, S. (2010). Receptor and behavioral pharmacology of WAY-267464, a non-peptide oxytocin receptor agonist. *Neuropharmacology*, 58(1), 69-77. Epub 2009 Jul 15.
- Kelly, M. P., **Logue, S. F.**, Dwyer, J. M., Beyer, C. E., Majchrowski, H., Cai, Z. Liu, Z., Adedoyin, A., Rosenzweig-Lipson, S., & Comery, T. A. (2009). The supra-additive hyperactivity caused by an amphetamine-chlordiazepoxide mixture exhibits an inverted-U dose response: Negative implications for use of a model in screening for mood stabilizers. *Pharmacology, Biochemistry, & Behavior*, 92(4), 649-654. Epub 2009 Mar 18.
- Grauer, S. M., Graf, R., Navarra, R., Sung, A., **Logue, S. F.**, Stack, G., Huselton, C., Liu, Z., Comery, T. A., Marquis, K. L., & Rosenzweig-Lipson, S. (2009). WAY-163909, a 5-HT<sub>2C</sub> agonist, enhances the preclinical potency of current antipsychotics. *Psychopharmacology (Berl)*, 204(1), 37-48. Epub 2008 Dec 20.
- Liu, F., Grauer, S., Kelley, C., Navarra, R., Graf, R., Zhang, G., Atkinson, P. J., Popielek, M., Wantuch C., Khawaja, X., Smith, D., Olsen, M., Kouranova, E., Gilbert, A., Lai, M., Pruthi, F., Pulicicchio, C., Day, M., Gilbert, A., Pausch, M. H., Brandon, N. J., Beyer, C. E., Comery, T. A., **Logue, S.**, Rosenzweig-Lipson, S., & Marquis, K. L. (2008). ADX47273 [S-(4-Fluoro-phenyl)-{3-[3-(4-fluoro-phenyl)-[1,2,4]-oxadiazol-5-yl]-piperidin-1-yl}-methanone]: A novel metabotropic glutamate receptor 5-selective positive allosteric modulator with preclinical antipsychotic-like and procognitive activities. *Journal of Pharmacology & Experimental Therapeutics*, 327(3), 827-839. Epub 2008 Aug 27.
- Leonard, S. K., Dwyer, J. M., Sukoff-Rizzo, S. J., Platt, B., **Logue, S. F.**, Neal, S. J., Malberg, J. E., Beyer, C. E., Schechter, L. E., Rosenzweig-Lipson, S., & Ring, R. H. (2008). Pharmacology of neuropeptide S in mice: therapeutic relevance to anxiety disorders. *Psychopharmacology*, 197(4), 601-611. Epub 2008 Mar 3.
- Navarra, R., Graf, R., Huang, Y., **Logue, S.**, Comery, T., Hughes, Z., & Day, M. (2008). Effects of atomoxetine and methylphenidate on attention and impulsivity in the 5-choice serial reaction time test. *Progress in Neuro-psychopharmacology & Biological Psychiatry*, 32(1), 34-41. Epub 2007 Jun 27.
- Marquis, K. L., Sabb, A. L., **Logue, S. F.**, Brennan, J. A., Piesla, M. J., Comery, T. A., Grauer, S. M., Ashby Jr., C. R., Nguyen, H. Q., Dawson, L. A., Barrett, J. E., Stack, G., Meltzer, H. Y., Harrison, B. L., & Rosenzweig-Lipson, S. (2007). WAY-163909 [(7bR,10aR)-1,2,3,4,8,9,10,10a-octahydro-7bH-cyclopenta-[b][1,4]diazepino[6,7,1hi]indole]: A novel 5-hydroxytryptamine 2C receptor-selective agonist with preclinical antipsychotic-like activity. *Journal of Pharmacology & Experimental Therapeutics*, 320(1), 486-496. Epub 2006 Oct 12.
- Day, M., Sung, A., **Logue, S.**, Bowlby, M., & Arias, R. (2005). Beta-estrogen receptor knockout (BERKO) mice present attenuated hippocampal CA1 long-term potentiation and related memory deficits in contextual fear conditioning. *Behavioural Brain Research*, 164(1), 128-131.

- Balogh, S. A., Radcliffe, R. A., **Logue, S. F.**, & Wehner, J. M. (2002). Contextual and cued fear conditioning in C57BL/6J and DBA/2J mice: Context discrimination and the effects of retention interval. *Behavioral Neuroscience*, *116*(6), 947-957.
- Logue, S. F.**, Swartz, R. J., & Wehner, J. M. (1998). Genetic correlation between performance on an appetitive-signaled nosepoke task and voluntary ethanol consumption. *Alcoholism: Clinical and Experimental Research*, *22*(9), 1912-1920.
- Tecott, L. H., **Logue, S. F.**, Wehner, J. M., & Kauer, J. A. (1998). Perturbed dentate gyrus function in serotonin 5-HT(2C) receptor mutant mice. *Proceedings of the National Academy of Sciences USA*, *95*(25), 15026-15031.
- Brandon, E. P., **Logue, S. F.**, Adams, M. R., Qi, M., Sullivan, S. P., Matsumoto, A. M., Dorsa, D. M., Wehner, J. M., McKnight, G. S., & Idzerda, R. L. (1998). Defective motor behavior and neural gene expression in RII $\beta$ -Protein kinase A mutant mice. *Journal of Neuroscience*, *18*(10), 3639-3649.
- Owen, E. H., **Logue, S. F.**, Rasmussen, D. L., & Wehner, J. M. (1997). Assessment of learning by the Morris water task and fear conditioning in inbred mouse strains and F1 hybrids: Implications of genetic background for single gene mutations and quantitative trait loci analyses. *Neuroscience*, *80*(4), 1087-1099.
- Logue, S. F.**, Owen, E. H., Rasmussen, D. L., & Wehner, J. M. (1997). Assessment of locomotor activity, acoustic and tactile startle, and prepulse inhibition of startle in inbred strains and F1 hybrids: Implications of genetic background for single gene mutations and quantitative trait loci analyses. *Neuroscience*, *80*(4), 1075-1086.
- Logue, S. F.**, Paylor, R., & Wehner, J. M. (1997). Hippocampal lesions cause learning deficits in inbred mice in Morris water maze and conditioned-fear task. *Behavioral Neuroscience*, *111*(1), 104-113.
- Sears, L. L., **Logue, S. F.**, & Steinmetz, J. E. (1996). Involvement of the ventrolateral thalamic nucleus in rabbit classical eyeblink conditioning. *Behavioural Brain Research*, *74*(1-2), 105-117.
- Wellman, C. L., **Logue, S. F.**, & Sengelaub, D. R. (1995). Maze learning and morphology of frontal cortex in adult and aged basal forebrain-lesioned rats. *Behavioral Neuroscience*, *109*(5), 837-850.
- Steinmetz, J. E., **Logue, S. F.**, & Miller, D. P. (1993). Using signaled barpressing tasks to study the neural substrates of appetitive and aversive learning in rats: Behavioral manipulations and cerebellar lesions. *Behavioral Neuroscience*, *107*(6), 941-954.
- Steinmetz, J. E., **Logue, S. F.**, & Steinmetz, S. S. (1992). Rabbit classically conditioned eyelid responses do not reappear after interpositus nucleus lesion and extensive post-lesion training. *Behavioural Brain Research*, *51*(1), 103-114.

## Handbook and Book Chapters

- Logue, S. F.** & Gould, T. J. (2013) *Executive Function: Response Inhibition, Attention, and Cognitive Flexibility*. The Handbook of Behavioral Genetics of the Mouse. Vol. 1. Genetics of Behavioral Phenotypes. Chapter 26, pp. 267-276. Eds. Wim. E. Crusio, Frans Sluyter, and Robert T. Gerlai. Cambridge University Press, Cambridge England.

Gould, T. J. & **Logue, S. F.** (2013) *Latent Inhibition*. The Handbook of Behavioral Genetics of the Mouse. Vol. 1. Genetics of Behavioral Phenotypes. Chapter 25, pp. 254-266. Eds. Wim. E. Crusio, Frans Sluyter, and Robert T. Gerlai. Cambridge University Press, Cambridge England.

**Logue, S. F.**, Owen, E. H., & Wehner, J. M. (1999) *Approaches to Study the Genetic Regulation of Learning and Memory*. In D. W. Pfaff (Ed.), Handbook of Genetic Influences on the Nervous System. Boca Raton, Florida : CRC Press.

Wehner, J. M., **Logue, S. F.**, & Owen, E. H. (1996) *Issues for Examining Complex Learning in Mice*. In J. S. Takahashi (Ed.) What's Wrong with my Mouse: New Interplays Between Mouse Genetics and Behavior (pp. 39-49). Society for Neuroscience.

### **Published Abstracts**

Holliday, E., Logue, S.F., Gould, T.J. (2014) The Interaction of Nicotine and Stress During Adolescence on Long-Term Impairments on a Hippocampus-Dependent Task. *Soc Neurosci Abstr* 33.07

Kelly, M. P., **Logue, S. F.**, Brennan, J., Lakkaraju, S., Jiang, L., Presman, E., Tam, M., Rizzo, S., Platt, B. J., Dwyer, J. M., Neal, S., Pulito, V. L., Grauer, S., Navarra, R. L., Kelley, C., Kramer, A., Comery, T. A., Marquis, K., Murrills, R. J., & Brandon, N. J., PDE11A expression in the brain is enriched in ventral hippocampus and deletion results in schizophrenia-related phenotypes. 248.4. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

**Logue, S. F.**, Platt, B., Comery, T. A., Marquis, K., Brandon, N. J., & Kelly, M. P., Nutrigenomic model of increased DNA methylation shows developmentally-dependent behavioral, anatomical, and molecular phenotypes consistent with Bipolar Disorder. 745.23. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

Hage, T., Langen, B., Hoefgen, H., Stange, H., Egerland, U., Kronbach, T., Pulitto, V., Navarra, R., Kelly, M., Graf, R., **Logue, S.**, Jiang, L., Kelley, C., Grauer, S., Harrison, B., Marquis, K., Comery, T., Malamas, M. S., & Brandon, N., PDE10A inhibitors show anti-psychotic, pro-cognitive and negative symptom activities suggesting a broad-spectrum utility for the treatment of schizophrenia. 748.6. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

Graf, R., Comery, T., Dunlop, J., Haydar, S., Marquis, K., Ghiron, C., & **Logue, S.**, Pharmacological characterization of pro-cognitive and pro-attentive agents in a sustained attention task. 873.1. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.

Zhou, D., Stack, G. P., Gross, J. L., Gao, H., Harrison, B. L., Grauer, S. M., Kalgaonkar, S., Lai, M., **Logue, S. F.**, Mazandarani, H., Sung, A., Zhang, J., Huselton, C., Marquis, K., Dunlop, J. & Rosenzweig-Lipson, S., Novel Biaryl 2-Aminomethylbenzodioxane analogs as potent 5-HT<sub>2C</sub> receptor agonists with antipsychotic activity. 238<sup>th</sup> ACS National Meeting, Washington, DC, Aug. 16-20, 2009.

**Logue, S. F.**, Kelly, M. P., Graf, R., Kelley, C., and Comery, T. A. Do current preclinical models accurately assess the constructs of control of attention and rule generation and selection identified by CNTRICS? (2009) ICOSR 2009: 12<sup>th</sup> Biennial International Congress on Schizophrenia Research.

**Logue, S. F.**, Kelly, M. P., and Comery, T. A. (2008) Pharmacological evaluation of a mouse model of sociability. *Biological Psychiatry*, 63(7, Suppl. S). 6S.

- Leonard, S. K., **Logue, S. F.**, Dwyer, J., Sukoff-Rizzo, S. J., Schechter, L. E., Rosenzweig-Lipson, S., and Ring, R. H. Anxiolytic-like and locomotor-promoting effects of neuropeptide S are distinguished in the mouse four-plate test: comparison to amphetamine. 841.15. 2007 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2007. Online.
- Grauer, S. M., Aschmies, S., Beyer, C. E., Comery, T. A., Dunlop, J., Ghiron, C., Haydar, S., Lin, Q., **Logue, S. F.**, Marquis, K. L., Roncarati, R., and Scali, C. Alpha 7 nAChR agonists: Effects on extracellular glutamate levels, and implications for antipsychotic and pro-cognitive benefits in the treatment of schizophrenia. (2007) *Biological Psychiatry*. 61(8, Suppl.S). 125S.
- Pausch, M., Graf, R., Grauer, S. M., Sung, M. A., Mabrouk, O., Zhang, L., Taylor, N., Pulito, V., Liu, F., Marquis, K. L., Kanki, K., Brandon, N., Hughes, Z., Bates, B., **Logue, S. F.** Schizophrenia-like phenotypes displayed by GPR88 knock-out mice: behavioral and neurochemical profile. (2007) ICOSR 2007: 11<sup>th</sup> Biennial International Congress on Schizophrenia Research.
- Kelly, M. P., Dwyer, J., Woodruff, R., Rosenzweig-Lipson, S., Comery, T. A., **Logue, S. F.** Clarification of a preclinical model of mania: benzodiazepine exacerbation of psychostimulant-induced hyperlocomotion. (2007) *Bipolar Disorders*, 9: Supplement 1.
- Rosenzweig-Lipson, S., Grauer, S., Graf, R., Cunningham, K., Sung, A., Stack, G., Marquis, K. L. and **Logue, S.** WAY-163909, a 5-HT<sub>2C</sub> agonist, enhances the preclinical potency of antipsychotics. (2006) *Neuropsychopharmacology*, 31(Suppl.1). S248.
- Logue, S. F.**, Grauer, S. M., Scali, C., Roncarati, R., Marquis, K. L., Haydar, S. N., Lin, S., Dunlop, J. A series of molecules acting as potent alpha7 nAChR agonists with antipsychotic properties. Program No. 94.13. 2006 *Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2006. Online.
- Grauer, S. M., Graf, R., Sung, A., Sabb, A. L., Marquis, K. L., **Logue, S. F.**, Rosenzweig-Lipson, S. WAY-163909, a 5-HT<sub>2C</sub> agonist, enhances the preclinical potency of current antipsychotics. Program No. 197.14. 2006 *Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2006. Online.
- Scali, C., Gianfriddo, M., Zanelli, U., Kelley, C., **Logue, S. F.**, Haydar, S., Lin, S. S., Dunlop, J., Terstappen, G. C., Caricasole, A., Roncarti, R. Alpha7 nAChR agonists with pro-cognitive and neuroprotective properties. Program No. 524.5. 2006 *Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2006. Online.
- Simosky, J. K., Huang, Y., Marquis, K., Day, M., **Logue, S. F.** Functional correlates of schizophrenia-like deficits in sensory processing. Program No. 589.2. 2006 *Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2006. Online.
- Pausch, M. H., Bates, B., Graf, R., Grauer, S. M., Hughes, Z., Sung, M. A., Mabrouk, O., Kanki, K., Zhang, L., Taylor N., Marquis, K. L., **Logue, S. F.** Gpr88 knockout mice show a schizophrenia-like phenotype: behavioral and neurochemical profile. Program No. 763.12. 2006 *Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2006. Online.
- Rahman, Z., Graf, R., Marquis, K. L., **Logue, S. F.**, Ring, R. H. Oxytocin receptor agonists in prepulse inhibition of acoustic startle reflex. Program No. 1023.9. 2005 *Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2005. Online.

- Graf, R., Piesla, M. J., Grauer, S. M., Brennan, J. A., Sung, M. A., Sabb, A. L., Heinrich, J. N., **Logue, S. F.**, Marquis, K. L. Antipsychotic-like profile of muscarinic agonists WAY-132983 and WAY-131256. Program No. 1023.7. *2005 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2005. Online.
- Hornby, G. A., Jiang, L., Jow, B., Andree, T. H., Dunlop, J., Pausch, M., Grauer, S., Marquis, K., **Logue, S.** Functional characterization of the mouse type 1 Glycine transporter (GLY1). Program No. 1022.10. *2005 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2005. Online.
- Day, M., Sung, A., **Logue, S.**, Potestio, L., Rosenzweig-Lipson, S., Dunlop, J., Marquis, K., Bowlby, M., Arias, R.  $\beta$  Estrogen receptor knock-out (ER  $\beta$  KO) mice present attenuated hippocampal CA1 long-term potentiation and related memory deficits in contextual fear conditioning. Program No. 999.4. *2005 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2005. Online.
- Rosenzweig-Lipson, S., Beyer, C. E., Malberg, J., Lin, Q., Ashby, C. R., Graf, R., Sung, A., Grauer, S., **Logue, S.** WAY-163909, A 5-HT<sub>2C</sub> selective agonist for the treatment of obesity, depression, and schizophrenia: Lack of tolerance. Program No. 914.7. *2005 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2005. Online.
- Simosky, J. K., Day, M., Marquis, K. L., **Logue, S. F.** Repeated measurements of prepulse inhibition in long-evans rats reveal significant variability in individual performance over time. Program No. 557.1. *2005 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2005. Online.
- Mulvany, S., Cassidy, A., Semour, C., Marquis, K. L., **Logue, S. F.**, Regan, C. M. Developmental progression of sensorimotor-gating deficits in two models of schizophrenia and the impact of an atypical neuroleptic, clozapine. Program No. 556.17. *2005 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience.
- Young, K. H., Grauer, S., Platt, B., Potestio, L., Monaghan, M., Luo, B., Jones, D., Comery, T., Marquis, K., **Logue, S.**, Rosenzweig-Lipson, S., Howland, D. Development and characterization of regulator of G-protein signaling z (RGSz) knockout (KO) mice: changes in anxiety paradigms. Program No. 500.3. *2004 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience.
- Marquis, K. L., Howland, D., Grauer, S., Platt, B., Potestio, L., Monaghan, M., Luo, B., Jones, D., Comery, T., Rosenzweig-Lipson, S., **Logue, S.**, Young, K. H. Development and evaluation of regulator of G-protein signaling 4 (RGS4) knockout mice. Program No. 500.2. *2004 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience.
- Hoffman, D. C., **Logue, S.**, Senyah, Y., Chock, M., Hoque, N., Lee, Y. Gambini-Elwood, D., McCloskey, T., Wettstein, J. G., Ge, P., Shutske, G. M., Horvath, R., Fung, L. K., Knapp, R., Baron, B. M., Kehne, J. H. in vivo pharmacological characterization of a novel CRF1 receptor antagonist. Program No. 354.3. *2004 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience.
- Kafka, S. H., Potestio, L., Errico, M., Wettstein, J. G., & **Logue, S. F.** (2003). Species comparison in a social stress model of depression. *Soc Neurosci Abstr*, 756.17.



- Sukoff, S. J., Sparta, D., Potestio, L., Hoffman, D., Kehne, J., Wettstein, J. G., & **Logue, S. F.** (2003). Yohimbine enhanced acoustic startle in rats: an acute unconditioned model for anxiety-related disorders. *Soc Neurosci Abstr*, 959.10.
- Condon, S. A., Santiago, M. P., & **Logue, S. F.** (2001). Antidepressant effect of estrogen in the murine forced swim test. *Soc Neurosci Abstr*, 975.2.
- Logue, S. F.**, Hudzik, T., Teskey, G. C., & Santiago M. P. (2001). Guinea Pigs in anxiety and depression: Evaluation of NK1 antagonists. *Soc Neurosci Abstr*, 336.5.
- Santiago M. P. & **Logue, S. F.** (2000). The elevated plus maze differentiates between anxiolytic and anxiogenic compounds in gerbil. *Soc Neurosci Abstr*, 26(1-2), 1774.
- Wehner, J. M., & **Logue, S. F.** (1998). Further characterization of differences in learning between C57BL/6 and DBA/2 mice: Extended training and extinction in conditioned fear task and spatial discrimination and reversal. *Soc Neurosci Abstr*, 24(1-2), 438.
- Logue, S. F.**, Collins, A. C., & Wehner, J. M. (1998). Cotreatment with ethanol and nicotine reduces the detrimental effect of chronic ethanol consumption on conditioned fear. *Soc Neurosci Abstr*, 24(1-2), 2167.
- Logue, S. F.** & Wehner, J. M. (1997). Genetic correlation between voluntary ethanol consumption and performance on an appetitive signalled nosepoke task. *Alcoholism: Clinical and Experimental Research*, 21(supplemental), 11A (43).
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## **Patents**

GPR88 Knockout mice have neurochemical characteristics consistent with a role for the GPR88 receptor in the dopamine system with a schizophrenia-like behavioral profile: A novel target for therapeutics treating the dopamine based disorders of schizophrenia, mania, Parkinson's disease, Huntington's disease, attention deficit/hyperactivity disorder, and drug addiction. Mark Pausch, Brian Bates, and Sheree F. Logue. Filed – August 2006

Increased efficacy using 5 HT<sub>2C</sub> agonists as co-treatment with current antipsychotic drugs. Sharon Rosenzweig-Lipson and Sheree F. Logue. Filed – April 2006

<p align="center"><b>Number of citations per article &amp; Journal impact factors</b> <b>h Factor = 20</b></p>	<p align="center">Times cited reported in Web of Sci/Google Scholar</p>	<p align="center">Impact Factor</p>
<p>Logue, S., Chein, J., Gould, T., Holliday, E., &amp; Steinberg, L. (2014). Adolescent mice, unlike adults, consume more alcohol in the presence of peers than alone. <i>Developmental Science</i>, 17(1), 79-85. doi: 10.1111/desc.12101</p>	6	3.81
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