

**CURRICULUM VITAE`
OREGON HEALTH & SCIENCE UNIVERSITY**

NAME **Jennifer M. Loftis, Ph.D.**

DATE **11/26/2010**

PRESENT POSITION AND ADDRESS

Academic Rank: **Associate Professor**

Department/Division: **Department of Psychiatry, OHSU; Research Scientist, Portland VA Medical Center**

Professional Address: **Portland VA Medical Center, 3710 SW US Veterans Hospital Rd., R&D 16, Portland, OR 97239**

E-Mail Address: loftisj@ohsu.edu or jennifer.loftis2@va.gov

II. EDUCATION

Undergraduate and Graduate (Include Year, Degree, and Institution):

Undergraduate:

1990, B.A. Psychology, University of California at Santa Barbara

1990, B.A. Economics, University of California at Santa Barbara

Graduate:

1994, M.A. Psychology, Fairleigh Dickinson University, Teaneck, NJ

2002, Ph.D. Behavioral Neuroscience, Oregon Health & Science University (OHSU), Portland, OR

Postgraduate (Include Year, Degree, and Institution):

2004-2007 Postdoctoral fellowship in Molecular Microbiology and Immunology, OHSU

Mentors: Dr. David Hinrichs and Dr. S. Paul Berger

Awarded a 3-year grant from NIMH to investigate mechanistic relationships among cytokines, viral infection and neuropsychiatric symptomatology.

Certification (Include Board, Number, Date, and Recertification):

N/A

Licenses (Include State, Date, Status, Number, and Renewal Date):

DEA Controlled Substance Certificate, 2-15-2008, Licensed to use controlled substances for research purposes, DEA #RL0318279, Renewal date: 3-31-2011

III. PROFESSIONAL EXPERIENCE

Academic (Include Year, Position, and Institution):

2/10 - present, Small Group Facilitator

School of Medicine, OHSU, Portland, OR

Small group facilitator for the Principles of Clinical Medicine course (student population: 2nd year medical students).

1/09 - present, Mentor for the STEM (Science, Technology, Engineering, Math) Mentor Project

The project is funded by the National Science Foundation and designed to increase the availability of STEM careers for students with learning (e.g., attention deficit disorders, Autism) and other types of disabilities.

2008 - present, Associate Professor

Department of Psychiatry, OHSU

2/06 - present, Mentor

Partnership for Scientific Inquiry, OHSU, Portland OR

Mentor for the OHSU high school science class mentorship program. Responsibilities include: helping the student prepare a journal club, helping the student prepare a research proposal, and mentoring the student in the laboratory.

8/06 - 8-07, Visiting Assistant Professor

Department of Psychology, Reed College

Taught Psychobiology, Psychopharmacology, Introduction to Psychology and an Advanced Research course to undergraduate students at Reed College under a one-year visiting professor position.

2/05 - present, Neuroscientist Participant

Society for Neuroscience Outreach Program

Member of the Neuroscientist/Teacher Partner Program to educate K-12 children in neuroscience and current research.

2005 (Spring term), Small Group Facilitator

School of Medicine, OHSU, Portland, OR

Small group facilitator for the Principles of Clinical Medicine course (student population: 2nd year medical students).

2003 - 2008, Assistant Professor

Department of Psychiatry, OHSU

9/00 - 12/00, Adjunct Faculty

Department of Speech and Hearing, Portland State University, Portland, OR

Taught Neurology of Speech and Hearing. Subject matter includes an introduction to the central nervous system, cerebral blood supply, and brain circuitry. The integrated functioning of these systems to produce and process speech and language were additionally addressed.

1/00 - 5/00, Adjunct Faculty

Department of Psychology, Washington State University, Vancouver, WA

Taught Advanced Physiological Psychology course. Specific topic areas included memory, attention, drug abuse and the neurobiology of mental illness.

9/99 - 12/99, Adjunct Faculty

Institute for Health Professionals, Portland Community College, OR

Developed and taught course entitled "Perspectives on Mind and Brain". The class introduced students to basic neuroanatomy and neurophysiology and focused on neuroscience techniques and current research in the areas of memory, attention, emotion and consciousness.

Administrative (Include Year, Position, and Institution):

7/94 - 4/95, Program Director/Case Manager

Beaverbrook Work Activity Center, Waltham, MA

Directed and managed vocational program for mentally retarded adults. Responsible for the integration and placement of individuals into supported employment opportunities. Supervised staff of vocational instructors (10), coordinated and developed a variety of programming services and prepared assessments. This was a temporary position.

Other (Include Year, Position, and Institution):

9/08 - present, Research Scientist

Research & Development Service, Portland VA Medical Center

The primary developmental objective for this position is to acquire expertise in psychoneuroimmunology and molecular genetics: focusing on analyses of depression accompanying HCV and immunotherapy, as well as the integration of preclinical data (e.g., in vitro and mouse behavioral studies) into psychiatric clinical studies. Towards this end, the goal of the research is to learn the technical skills and theoretical groundwork necessary to determine how cytokines and inflammatory signaling pathways contribute to the development of depressive symptoms. In this position I will advance my current knowledge of psychiatric disorders and immune and central nervous systems by gaining expertise in molecular genetics, including RT-PCR assays and siRNA techniques to improve the capacity and direct application of translational research. The methodological skills and clinical applications learned from Dr. Vandenberg (primary mentor) and my additional mentors will provide me with a solid foundation for a career in translational science.

1/08 - present, Co-Investigator

Department of Behavioral Neuroscience, OHSU

Participate in assisting the PI (Dr. Andrey Ryabinin) in all aspects of research, including the design of experiments, writing protocol, supervising research associates and assistants, writing manuscripts and data presentations.

4/02 - 8/08, Research Psychologist/Scientist

Behavioral Health and Clinical Neurosciences Division, Portland VA Medical Center, Portland, OR

Primary responsibilities were to establish a translational research program that investigates hypotheses related to hepatitis C viral infection, substance use, interferon-induced CNS side effects and cytokine/neurotransmitter interactions. Specific areas of interest: (1) Investigating the relationships among interferon-induced neuropsychiatric side effects, alcohol use, viral clearance, and associated changes in endocrine function, neurotransmitter systems, and other cytokines, (2) The use of antidepressants and other novel pharmacotherapies for the treatment or prevention of interferon-induced CNS side effects, and (3) Identifying neurochemical, genetic, and peripheral markers for interferon-induced depression, focusing on tryptophan metabolic pathways.

6/98 - 3/02, Predoctoral Research and Ph.D. Dissertation

Mentor: Aaron Janowsky, Ph.D., Department of Behavioral Neuroscience, OHSU, Portland, OR

Received individual predoctoral grant from NIDA for support of dissertation research on the effects of chronic cocaine administration on NMDA receptor-protein interactions. [Note: I was on maternity leave from 2/1/01 – 6/1/01].

9/95 - 6/97, Case Manager/Lead Therapist

Center for Community Mental Health, Conquest Center, Portland, OR

Provided outpatient treatment for adults with chronic mental illnesses including individual and group therapy, skills training, crisis intervention, case management, outreach, and consultation services. Conducted staff inservice trainings. Monitored residential facilities ensuring provider compliance with regulations and comprehensive, quality care for residents. Multnomah County custody hold designee.

IV. SCHOLARSHIP

Area(s) of Research/Scholarly Interest:

Broadly defined, my research is focused on investigating the neuroimmunological mechanisms contributing to substance abuse, cognitive impairment and depression. My translational research program uses rodents and humans to characterize the inflammatory pathways contributing to cognitive dysfunction and depressogenesis, particularly in patients with a history of substance abuse and hepatitis C. It is hypothesized that circulating inflammatory cytokines act on central nervous system (CNS) cytokine receptors, which in turn stimulate the production of inflammatory mediators (*e.g.*, other pro-inflammatory cytokines and nitric oxide) in specific brain regions thus contributing to cognitive impairments and alterations in mood. The specific areas of interest are:

- Investigating the relationship among cytokine-induced neuropsychiatric symptoms and associated changes in neurotransmitter systems, stress hormones, and other cytokines.
- The use of antidepressant and other novel pharmacotherapies for the treatment or prevention of cytokine-induced psychiatric symptoms and sickness behavior (in animal models).
- Identifying genetic and neuroimmune biomarkers associated with cytokine-induced depression and cognitive impairment, focusing on the role of p38 mitogen-activated protein (MAP) kinase. Through the phosphorylation of other proteins, p38 MAP kinase can upregulate message transcription and increase protein expression of inflammatory mediators hypothesized to contribute to depressive symptoms.
- Characterizing the mechanisms leading to methamphetamine-induced psychiatric and cognitive impairment and to develop interventions that could prevent or ameliorate methamphetamine-induced impairments and improve recovery outcomes.

Grants and Contracts:

Federal (Include Title, Source, PI, Amount Period, and % Effort)

1999: awarded 3-year individual predoctoral fellowship from National Institute on Drug Abuse (NIDA). Project title: Effects of cocaine on NMDA receptor-protein interactions. Project role: PI. Total award: \$69,598. Percent effort: 100%.

2002: VA Merit Review 4-year grant. Project title: VISN 20 prophylactic treatment of interferon-induced depression in hepatitis C. PI: Peter Hauser, M.D. Project role: Co-I. Total award: \$415,700. Percent effort: 20%.

2004: National Institute of Mental Health (NIMH) 3-year individual postdoctoral grant. Project title: Biochemical and behavioral correlates of interferon response. Project role: PI. Total award: \$146,772. Percent effort: 80%.

2005: VA Merit Review 4-year grant. Project title: Genetic and Biochemical markers of interferon-induced depression. PI: Peter Hauser, M.D. Project role: Co-I. Total award: \$513,700. Percent effort: 10%.

2007: National Institute of Alcoholism and Alcohol Abuse (NIAAA) 3-year grant. Project title: Alcohol drinking in affiliative rodents. PI: Andrey Ryabinin, Ph.D. Project role: Co-I. Total award: \$941,273. Percent effort: 40%.

2008: NIDA 2-year Methamphetamine Research Center (MARC) pilot grant. Project title: Neuroimmune mediators of cognitive impairment in methamphetamine abuse. Project role: PI (co-PI: Dr. Marilyn Huckans). Total award: \$35,000. Percent effort: 20%.

2008-2011: VA Career Development Award-2 (CDA-2). Project title: Inflammatory mediators in depression and HCV treatment. Amount period: 3 years. Project role: PI. Total costs: \$462,800. Percent effort: 80%.

2009-2011: NIDA. Project title: Pre-clinical testing of a novel immunotherapy [recombinant T cell receptor ligand (RTL)] to improve cognitive recovery and brain healing following methamphetamine dependence: From mice to men. Project role: MPI (w/Dr. Marilyn Huckans). Total award: \$791,244. Percent effort 10%.

2010-2011: NIDA. Project title: Novel RTL treatment to promote brain repair and cognitive recovery following methamphetamine addiction. Project role: MPI (w/Dr. Marilyn Huckans). Total award: \$100,485. Percent effort: 10%.

State and Local (Include Title, Source, PI, Amount Period, and % Effort)

1999: Northwest Health Foundation grant. Project title: The effects of cocaine withdrawal on the expression and localization of NMDA receptor proteins and associated neuronal elements. Project role: PI. Total award: \$2,745. Percent effort: 20%.

2000: Tartar Trust Fellowship. Project title: Role of NR2B phosphorylation in withdrawal from cocaine. Project role: PI. Total award: \$2,000. Percent effort: 20%.

2005: Stanley Research Medical Institute 2-year grant. Project title: Effects of interferon therapy on psychotic symptomatology in individuals with schizophrenia or schizoaffective disorder and hepatitis C. PI: Marilyn Huckans, Ph.D. Project role: Co-I. Total award: \$84,442. Percent effort: as needed.

2007: Stillman Drake Fund, Reed College. Project title: Role of cytokines on mood symptoms and cognitive functioning in rodent models. Project role: PI. Total award: \$1,080. Percent effort: N/A (funds were for the purchase of laboratory equipment).

Other Support (Include Title, Source, PI, Amount Period, and % Effort)

2004: Roche Pharmaceuticals. Project title: Neurochemical and behavioral effects of pegylated interferon: Antidepressant treatment responsiveness. Project role: PI. Total award: \$82,368. Percent effort: 25%

Pending Support (Include Title, Source, PI, Amount Period, and % Effort)

2011-2015: VA Merit Review. Project title: Sertoli cell therapy as a novel approach for treating depression. Project role: PI. Total award requested: \$984,268. Percent effort: 80%

2011-2013: National Institute of Child Health and Human Development 1R21HD069447-01. Project title: Neuropeptide regulation linking circadian function and social behavior. Project role: MPI (w/Drs. Buenafe and Ryabinin). Total award (direct costs): \$150,000. Percent effort: 10%

2011-2016: NIDA P50-DA018165 (Dr. Aaron Janowsky, PI). Methamphetamine Abuse Research Center.

Project role: PI of Component 5: Translational Service Core. Total award (direct costs per year): \$1,497,000.
Percent effort: 15%

Publications/Creative Work:

Peer-reviewed

- Loftis, J.M.** (under review). Sertoli cell therapy: a novel treatment strategy for major depressive disorder. *Medical Hypotheses*.
- Wilhelm, C.J., Murphy-Crews, A., Menasco, D.J., Huckans, M., **Loftis, J.M.** (under review). CRF₁ receptor antagonism alters the biochemical, but not behavioral effects of repeated interleukin-1 β treatment. *J Neuroinflammation*.
- Loftis J.M.**, Choi D., Hoffman W.F., Huckans M. (2010). Methamphetamine causes persistent immune dysregulation: A cross-species, translational report. *Neurotoxicity Research*. Oct 17 [Epub ahead of print].
- Loftis, J.M.**, Morasco, B.J., Menasco, D., Fuchs, D., Strater, M., Hauser, P. (2010). Serum serotonin levels are associated with antiviral therapy outcomes in patients with chronic hepatitis C. *Open Infectious Diseases Journal* 4: 132-141.
- Lotrich, F.E., **Loftis, J.M.**, Ferrell, R.E., Rabinovitz, M., Hauser, P. (in press). IL28B polymorphism is associated with both side effects and clearance of hepatitis C during interferon-alpha therapy *Journal of Interferon and Cytokine Research*
- Anacker, A.M.J., **Loftis, J.M.**, Kaur, S., Ryabinin, A.E. (2010). Prairie voles as a novel model of socially-facilitated excessive drinking. *Addiction Biology*. Jun 23 [Epub ahead of print].
- Morasco, B.J., **Loftis, J.M.**, Indest, D.W., Ruimy, S., Davison, J.W., Felker, B., Hauser, P. (2010) Prophylactic antidepressant treatment in patients with hepatitis C on antiviral therapy: A double-blind, placebo-controlled trial. *Psychosomatics* 51(5):401-8
- Morasco, B.J., Huckans, M., **Loftis, J.M.**, Woodhouse, J., Seelye, A., Turk, D.C., Hauser, P. (2010) Predictors of pain intensity and pain functioning in patients with the hepatitis C virus. *General Hospital Psychiatry* 32(4): 413-418.
- Huckans, M., Seelye, A., Woodhouse, J., Parcel, T., Mull, L., Schwartz, D., Mitchell, A., Lahna, D., Johnson, A., **Loftis, J.**, Woods, S.P., Mitchell, S.H., Hoffman, W. (2010) Discounting of delayed rewards and executive dysfunction in individuals infected with hepatitis C. *Journal of Clinical and Experimental Neuropsychology* Aug 6:1-11. [Epub ahead of print]
- Huckans, M., Mitchell, A., Pavawalla, S., Morasco, B., Ruimy, S., **Loftis, J.M.**, Rifai, M., Hauser, P. (2010) The influence of antiviral therapy on psychiatry symptoms among hepatitis C patients with schizophrenia. *Antiviral Therapy* 15(1):111-9.
- Mansour, H.A., Talkowski, M.E., Wood, J., Chowdari, K.V., McClain, L., Prasad, K., Montrose, D., Fagiolini, A., Friedman, E.S., Allen, M.H., Bowden, C.L., Calabrese, J., El-Mallakh, R.S., Escamilla, M., Faraone, S.V., Fossey, M.D., Gyulai, L., **Loftis, J.M.**, Hauser, P., Ketter, T.A., Marangell, L.B., Miklowitz, D.J., Nierenberg, A.A., Patel, J., Sachs, G.S., Sklar, P., Smoller, J.W., Laird, N., Keshavan, M., Thase, M.E., Axelson, D., Birmaher, B., Lewis, D., Monk, T., Frank, E., Kupfer, D.J., Nimgaonkar, V.L. (2009) Association study of twenty-one circadian genes with bipolar I disorder, schizoaffective disorder and schizophrenia. *Bipolar Disorders* 11(7):701-10.
- Hauser, P., Morasco, B.J, Linke, A., Bjornson, D., Ruimy, S., Matthews, A., Rifai, M.A., Indest, D.W. & **Loftis, J.M.** (2009) Antiviral completion rates and sustained viral response in hepatitis C patients with- versus without- pre-existing major depressive disorder. *Psychosomatics* 50(5):500-5.
- Huckans, M.S., Seelye, A., Parcel, T., Mull, L., Woodhouse, J., Bjornson, D., Fuller, B.E., **Loftis, J.M.**, Morasco, B.J., Sasaki, A.W., Storzbach, D., Hauser, P. (2009) The cognitive effects of hepatitis C in the presence and absence of a history of substance use disorder. *J. International Neuropsychological Society* 15(1):69-82.
- Loftis, J.M.**, Huckans, M., Ruimy, S., Hinrichs, D.J., Hauser, P. (2008) Depressive symptoms in patients with

- chronic hepatitis C are correlated with elevated plasma levels of interleukin-1 β and tumor necrosis factor- α . *Neuroscience Letters* 430(3):264-8.
- Nelligan, J.A., **Loftis, J.M.**, Matthews, A.M., Zucker, B.L., Linke, A.M., Hauser, P. (2008) Depression Comorbidity and Antidepressant Use in Veterans With Chronic Hepatitis C: Results from a retrospective chart review *J Clin Psychiatry*, 69(5) 810-6.
- Huckans, M., Mitchell, A., Ruimy, S., **Loftis, J.**, Hauser, P. (2008) Antiviral therapy completion and response rates among hepatitis C patients with and without schizophrenia. *Schizophr Bull.* Jun 17 Epub ahead of print.
- Huckans*, M.S., **Loftis***, **J.M.**, Blackwell, A.D., Hauser, P. (2007) Interferon-based therapy for hepatitis C: Treatment response and completion rates among patients with schizophrenia, schizoaffective disorder, and substance use disorder. *Substance Abuse Treatment, Prevention and Policy* 12:2-4. (*These authors contributed equally to this manuscript)
- Morasco, B.J., Rifai, M.A., **Loftis, J.M.**, Indest, D.W., Moles, J.K., Hauser, P. (2007) A randomized trial of paroxetine to prevent interferon-alpha-induced depression in patients with hepatitis C. *J Affect Disord.* 103(1-3):83-90.
- Loftis, J.M.**, Wall, J.M., Pagel, R.L., Hauser, P. (2006) Administration of pegylated interferon- α does not induce sickness behavior in Lewis rats. *Psychoneuroendocrinology* 31:1289-1294.
- Mansour, H.A., Talkowski, M.E., Wood, J., Bamne, M., Chowdari, K.V., Allen, M., Bowden, C.L., Calabrese, J., El-Mallakh, R.S., Fagiolini, A., Fossey, M.D., Friedman, E., Gyulai, L., Hauser, P., **Loftis, J.M.**, Marangell, L., Miklowitz, D., Nierenberg, A.A., Patel, J., Sachs, G., Smoller, J., Thase, M., Frank, E., Kupfer, D.J., Nimgaonkar, V.L. (2005) Serotonin gene polymorphisms and bipolar I disorder: Focus on the serotonin transporter. *Annals of Medicine* 37(8):590-602.
- Loftis, J.M.**, Socherman, R.E., Howell, C.D., Whitehead, A.J., Hill, J., Dominitz, J.A., Hauser, P. (2004) Association of interferon- α -induced depression and improved end-of-treatment response in patients with hepatitis C. *Neuroscience Letters* 365(2):87-91.
- Loftis, J.M.**, Wall, J.M., Linardatos, E., Benvenega, S., Hauser, P. (2004) A quantitative assessment of depression and thyroid dysfunction secondary to antiviral therapy in patients with hepatitis C. *Journal of Endocrinological Investigation* 27(7):RC16-20.
- Loftis, J.M.** and Janowsky, A. (2002) Cocaine-withdrawal induced alterations in the expression and serine phosphorylation of the NR1 NMDA receptor subunit. *Psychopharmacology* 164:349-359.
- Mason, J.N., Eshleman, A.J., Belknap, J.K., Crabbe, J.C., **Loftis, J.M.**, Macey, T.A., Janowsky, A. (2001) NMDA receptor subunit mRNA and protein expression in ethanol-withdrawal seizure-prone and – resistant mice. *Alcoholism: Clinical and Experimental Research* 25, 651-660.
- Loftis, J.M.** and Janowsky, A. (2000) Regulation of NMDA receptor subunits and neuronal nitric oxide synthase expression during cocaine withdrawal. *J. Neurochemistry* 75:2040-2050.
- Fridlund, A.J. and **Loftis, J.M.** (1990) Relationship between tickling and humorous laughter. *Biological Psychology* 30:141-150.

Letters to the Editor

- Loftis, J.M.** & Huckans, M. (under review). Cognitive enhancement in combination with “brain repair” may be optimal for the treatment of stimulant addiction. *Addiction*.
- Loftis, J.M.**, Morasco, B.J., Hauser, P. (in press). Depression and antiviral response to interferon-based therapy for hepatitis C viral infection. *Hepatology*.
- Loftis, J.M.** & Turner, E.H. (2010). Novel treatment strategies for depression in patients with hepatitis C, *Psychosomatics* 51(4):357-8.
- Loftis, J.M.**, Macey, T.A., Lowe, J.D., Hauser, P. (2006) Can rodents be used to model interferon- α -induced depressive symptoms? *Progress in NeuroPsychopharmacology & Biological Psychiatry* 7:1364-5.
- Loftis, J.M.** and Hauser, P. (2005) Letter to the editor re: the effect of a herbal medicine (Mao-to) for the prevention of interferon-induced psychiatric complication in chronic hepatitis C. *Human*

Psychopharmacology: Clinical and Experimental 20(3):211-2.

Loftis, J.M., Rifai, M.A., Hauser, P. (2005) The association between viral clearance and depression in patients with hepatitis C receiving interferon-alpha and ribavirin. *Brain, Behavior, and Immunity* 19(4):271-2.

Books

N/A

Chapters

N/A

Electronic Publications

N/A

Reviews

Loftis, J.M., Huckans, M., Morasco, B.J. (2010) Neuroimmune mechanisms of cytokine-induced depression: current theories and novel treatment strategies. *Neurobiology of Disease* 37(3):519-33 (invited review).

Fuller, B.E., **Loftis, J.M.**, Rodriguez, V.L., McQuesten, M.J., Hauser, P. (2009) Psychiatric and substance use disorders comorbidities in veterans with hepatitis C virus and HIV coinfection. *Curr.Opin.Psychiatry* 22(4):401-408.

Loftis, J.M. and Hauser, P. (2008) Prevalence of Psychiatric and Substance Use Disorder Co-morbidities in Patients with Hepatitis C. *Directions in Psychiatry* 28(4):211-225.

Loftis, J.M. and Hauser, P. (2008) Risk and protective factors in interferon-induced depression: treatment strategies and clinical outcomes. *Directions in Psychiatry* 28(4):227-242.

Rifai, M.A., Indest, D., **Loftis, J.M.**, Hauser, P. (2006) Psychiatric management of the hepatitis C patient. *Current Treatment Options in Gastroenterology* 9:508-519.

Loftis, J.M., Matthews, A.M., Hauser, P. (2006) Psychiatric and substance use disorders in individuals with hepatitis C: Epidemiology and management. *Drugs* 66(2):155-74.

Rifai, M.A., **Loftis, J.M.**, Hauser, P. (2006) Hepatitis C treatment of veterans with psychiatric illness. *American J. Gastroenterology* 101(3):673-4.

Rifai, M.A., **Loftis, J.M.**, Hauser, P. (2005) Interferon- α treatment of patients with hepatitis C: The role of a comprehensive risk-benefit assessment. *CNS Drugs* 19(8):719-21.

Turner, E.H., **Loftis, J.M.**, Blackwell, A.D. (2005) Serotonin a la carte: Supplementation with the serotonin precursor 5-hydroxytryptophan. *Pharmacology & Therapeutics* 109(3):325-38.

Loftis, J.M. and Hauser, P. (2004) The phenomenology and treatment of interferon-induced depression. *Journal of Affective Disorders* 82(2):175-190.

Sylvestre, D., **Loftis, J.M.**, Hauser, P., Genser, S., Cesari, H., Borek, N., Kresina, T., Seeff, L., Francis, H. (2004) Co-occurring hepatitis C, substance abuse and psychiatric illness: Treatment issues and developing integrated models of care. *Journal of Urban Health* 81(4):719-734.

Hauser, P., **Loftis, J.M.**, Dieperink, E., Garcia-Tsao, G., Rigsby, M., Willenbring, M., and the Veterans Health Administration Hepatitis C Resource Center Program. (2004) Depression and Substance Use Disorders in Chronic Hepatitis C: Implications of new guidelines and experience in the VA health care system. *Federal Practitioner* 21(7):90-102.

Loftis, J.M. and Hauser, P. (2003) Co-management of Depression and HCV Treatment. *Psychiatric Annals* 33(6):385-391.

Loftis, J.M. and Hauser, P. (2003) Hepatitis C in Patients with Psychiatric Disease and Substance Abuse: Screening strategies and co-management models of care. *Current Hepatitis Reports* 2(3):93-100.

Loftis, J.M. and Hauser, P. (2003) Safety Considerations for the Treatment of Interferon-Induced Depression. *Psychosomatics* 44(6):524-6.

Loftis, J.M. and Janowsky, A. (2003) Review of the NMDA receptor, NR2B: localization, functional

properties, regulation and clinical implications. *Pharmacology & Therapeutics* 97(1):55-85.

Abstracts

- Loftis, J.M.** & Capuano, C. Early antagonism of feeding induced by 5-HT_{1A} receptor agonists. National Clinical Drug Evaluation Unit (NCDEU) conference, Boca Raton, FL and American Psychological Society annual convention, Chicago, IL, 1993.
- Loftis, J.M.** & Janowsky, A. Effects of cocaine withdrawal on NMDA receptor—associated neuronal elements. Society for Neuroscience 29th Annual Meeting, Miami Bch, FL, 1999.
- Loftis, J.M.** & Janowsky, A. Role of NR1 phosphorylation during withdrawal from cocaine. Society for Neuroscience 30th Annual Meeting, New Orleans, LA, 2000.
- Loftis, J.M.**, Thornton, A.J., Schultz, R.L., Hill, J., Howell, C.D., Hauser, P. Interferon-Induced Depression and End-of-Treatment Response Rates in Patients with Hepatitis C. American Association for the Study of Liver Diseases, 2002.
- Hauser, P., **Loftis, J.M.**, Whitehead, A.J., Hill, J., Howell, C.D., Lewy, A. Interferon-Induced Depression and Improved Response Rates in Patients with Hepatitis C. American College of Neuropsychopharmacology, 2002.
- Fireman, M., Whitehead, A.J., **Loftis J.M.**, Socherman, R.E., Hauser, P. Inteferon-Induced Depression and Improved Treatment Response Rates in Patients with Hepatitis C. HSR&D National Meeting, Washington, D.C, February 12-14, 2003.
- Loftis, J.M.**, Socherman, R.E., Whitehead, A.J., Hauser, P. IFN- α -Induced Depression: Symptom-specific response to antidepressant treatment. American Psychiatric Association Annual Meeting, San Francisco, CA, May 17-22, 2003.
- Loftis, J.M.**, Wall, J.M., Linardatos, E., Hauser, P. A quantitative assessment of depression and thyroid dysfunction secondary to antiviral therapy in patients with hepatitis C. 1st Annual VA Preventive Medicine Conference and Department of Defense's 6th Annual Force Health Protection Conference, Albuquerque, New Mexico, 2003.
- Whitehead A.J, Fireman M., Williams E.E., Indest D.W., **Loftis J.M.**, Hauser P. Prevalence of psychiatric and substance use co-morbidity in patients with hepatitis C. American Psychiatric Association 55th Institute on Psychiatric Services, Boston, MA, October 29-November 2, 2003.
- Loftis, J.M.**, Socherman, R.E., Whitehead, A.J, Fireman, M., Hauser, P. IFN- α -Induced Depression: Symptom Specific Response to Antidepressant Treatment. American Psychiatric Association 55th Institute on Psychiatric Services, Boston, MA, October 29-November 2, 2003.
- Huckans, M.S., **Loftis, J.M.**, Hauser, P. Interferon therapy completion and response rates for hepatitis C among patients with schizophrenia, schizoaffective disorder, and substance use disorders. American Association for the Study of Liver Diseases, 56th Annual Liver Meeting, San Francisco, CA, November 2005.
- Loftis, J.M.**, Rifai, M.A., Hauser, P. Depression and antiviral responsiveness to interferon-based therapies in patients with hepatitis C. 70th Annual Meeting of the American College of Gastroenterology, Honolulu, HI, October 28-November 2, 2005.
- Indest, D.W., **Loftis, J.M.**, Nelligan, J.A., Hauser, P. Hepatitis C treatment issues: Clinical and biological perspectives. National Viral Hepatitis Prevention Conference, Washington D.C., December 5-9, 2005.
- Loftis, J.M.**, Pagel, R.L., Bussell, C., Hauser, P. Administration of pegylated interferon- α does not induce sickness behavior in Lewis Rats. American Society for Neurochemistry, Portland, OR, March 11-15, 2006. [*Journal of Neurochemistry*. 96 Suppl. 1:96, March 2006]
- Nelligan, J.A., **Loftis, J.M.**, Fireman, M., Ruimy, S., Zucker, B., Linke, A., Indest, D.W., Hauser, P. Interferon- α therapy for patients with comorbid hepatitis C and psychiatric diagnoses. Digestive Diseases Week, Los Angeles, CA, May 20-25, 2006.
- Loftis, J.M.**, Pagel, R.L., Bussell, C., Menasco, D.J., Hauser, P. Administration of pegylated interferon- α does not induce sickness behavior in prairie voles. Federation of Clinical Immunological Societies (FOCIS), San

Francisco, CA, June 1-5, 2006.

- Loftis, J.M.**, Bussell, C., Pagel, R.L., Ryabinin, A.E. Alcohol drinking in the prairie vole. Research Society on Alcoholism 2006 Meeting, Baltimore, MD, June 23-28, 2006. [*Alcoholism: Clinical & Experimental Research*. 30(6) Supplement: 23A, June 2006]
- Huckans, M.S., Mull, L., Parcel, T., Bjornson, D., Nelligan, J., **Loftis, J.M.**, Morasco, B.J., Sasaki, A., Hauser, P. The neuropsychological effects of hepatitis C in the absence of substance use disorder. 26th Annual Meeting for the National Academy of Neuropsychology, San Antonio, TX, Oct. 25-28, 2006.
- Huckans, M., **Loftis, J.M.**, Ruimy, S., Bjornson, D., Parcel, T., Woodhouse, J., Seelye, Nelligan, J., Sasaki, A., Hauser, P. The relationship between peripheral cytokine levels and neuropsychological functioning in patients with hepatitis C. 35th Annual Meeting of the International Neuropsychological Society, Portland, OR, Feb. 7-10, 2007.
- Mansour, H.A., Chowdari, K.V., Wood, J., Pless, L., McClendon, B.T., King, A.J., Allen, M., Bowden, C.L., Calabrese, J., El-Mallakh, R.S., Fagiolini, A., Faraone, S.V., Fossey, M. D., Friedman, E.S., Gyulai, L., Hauser, P., Ketter, T.A., Laird, N., **Loftis, J.M.**, Marangell, L.B., Miklowitz, D.J., Nierenberg, A.A., Patel, J., Sachs, G.S., Sklar, P., Smoller, J.W., Thase, M.E., Frank, E., Kupfer, D.J. and Nimgaonkar, V.L. Circadian gene polymorphisms and liability to bipolar I disorder. Society of Biological Psychiatry 62nd Annual Meeting, San Diego, CA, May 17-19, 2007.
- Loftis, J.M.**, Huckans, M., Ruimy, S., Hinrichs, D.J., Hauser, P. Elevated levels of plasma interleukin-1 β and tumor necrosis factor- α are associated with increased depressive symptomology in patients with and without chronic hepatitis C. American Psychiatric Association Annual Meeting, San Diego, CA, May 19-24, 2007.
- Kaur, S., **Loftis, J.M.**, Ryabinin, A.E. Alcohol consumption in prairie voles. 10th Annual Genes, Brain and Behavior Meeting of IBANGS (International Behavioural and Neural Genetics Society), Portland, OR, May 5-9, 2008.
- Huckans, M., Seelye, A., Woodhouse, J., Parcel, T., Mull, L., **Loftis, J.M.**, Fuller, B., Sasaki, A., Hauser, P. Hepatitis C-associated cognitive impairment in the presence and absence of a history of substance use disorder. American Academy of Clinical Neuropsychology Annual Conference, Boston, MA, June 19-21, 2008.
- Kaur, S., Anacker, A., Kapasova, Z., **Loftis, J.M.**, Ryabinin, A.E. Alcohol consumption in periadolescent prairie voles. Society for Neuroscience 38th Annual Meeting, Washington, DC, Nov. 15-19, 2008.
- Loftis, J.M.**, Morasco, B.J., Menasco, D.J., Fuchs, D., Strater, M., Hauser, P., Serotonin levels are associated with sustained viral response rates in HCV patients undergoing interferon-based therapy beyond the effects of demographic and disease-related factors. 13th International Symposium on Viral Hepatitis and Liver Disease, Washington, DC, March 20-24, 2009.
- Loftis, J.M.**, Murphy-Crews, A., Huckans, M.S., Strater, M., Cytokine-Induced Depression: Effects of interleukin-1 β and corticotropin-releasing factor antagonism on biochemical and behavioral indicators of sickness behavior in the rat. 7th Annual Cytokines and Inflammation Conference, San Diego, CA, Jan. 29-30, 2009 and 16th Psychoneuroimmunology Research Society meeting, Breckenridge, CO, June 4-6, 2009. [*Brain, Behavior & Immunity* 23, Suppl. 2:S46]
- Loftis, J.M.**, Huckans, M.S., Williams, A. Methamphetamine administration causes increased neuroinflammation accompanied by peripheral immunosuppression in mice. 16th Psychoneuroimmunology Research Society meeting, Breckenridge, CO, June 4-6, 2009. [*Brain, Behavior & Immunity* 23, Suppl. 2:S46-S47]
- Huckans, M., Lahna, D., Schwartz, D., Mitchell, A., Lubner, H., Kriz, D., Cocoli, E., Kolessar, M., **Loftis, J.**, Hoffman, W. White matter integrity and cognitive function during early recovery from methamphetamine abuse. American Academy of Clinical Neuropsychology annual conference, San Diego, CA, June 18-20, 2009.
- Loftis, J.M.**, Huckans, M.S. Methamphetamine impairs cognitive and cerebral function and alters the expression on neuroimmune factors in mice and humans. Clinical and Translational Research and Education Meeting, Washington, D.C. April 5-7, 2010 (*abstract won Scholars Award*)

Plagge, J. M., Luber, H., Kriz, D., Mitchell, A., Anderson, J. B., Schwartz, D., Lahna, D., **Loftis, J.**, Hoffman, W., & Huckans, M. Profile of Subjective Executive Function Problems in Patients with Hepatitis C. Society of Behavioral Medicine Annual Conference, Seattle, WA. April 2010

Huckans, M.S., Choi, D., Mitchell, A., Luber, H., **Loftis, J.M.** Methamphetamine deregulates the expression of immune factors: A cross-species translational report. 17th Psychoneuroimmunology Research Society meeting, Dublin, Ireland, June 2-5, 2010. [*Brain, Behavior & Immunity* 24, Suppl. 1:S3]

Wilhelm, C.J., Huckans, M.S., **Loftis, J.M.** Effects of Methamphetamine on Neuroinflammation and Cognition. 2010 American Psychological Association Convention, San Diego, CA. August 12-15th, 2010 (*abstract won Travel Award*)

Huckans, M.S., Vandenbark, A., **Loftis, J.M.** The relationship between dysregulation of the plasma cytokine network and neuropsychiatric impairment in adults with chronic hepatitis C infection. National Academy of Neuropsychology Conference, Vancouver, BC. October 13-16, 2010

Wilhelm, C.J., Huckans, M.S., **Loftis, J.M.** Role of neuroinflammation in methamphetamine induced deficits in learning and memory. Society for Neuroscience, San Diego, CA. November 13-17, 2010

Other
N/A

Invited Lectures, Conference Presentations or Professorships:

International and National

Administration of Pegylated Interferon- α Does Not Induce Sickness Behavior in Lewis Rats. Oral presentation for the American Society for Neurochemistry Annual Meeting, Hilton Hotel, Portland, OR, March 2006.

Effects of Immune Activation on Psychiatric and Cognitive Functioning in HIV, HCV and Methamphetamine Use: Integration of genetic, biochemical and neuroanatomical correlates. Co-chaired symposium at the 3rd International Congress on Brain and Behaviour, Thessaloniki, Greece, December 2007.

Brain-Immune Interactions: The role of cytokines in depression and substance use disorders. Oral presentation at the 3rd International Congress on Brain and Behaviour, Thessaloniki, Greece, December 2007.

Regional and Local

Schizophrenia: Etiology Hypotheses, Symptoms, and Treatment Strategies. Guest lecture given to undergraduate psychology students at Lewis and Clark College, Portland, OR, May 2000.

Increased Depressive Ratings in Patients with Hepatitis C Receiving Interferon- α -Based Immunotherapy Are Related to Interferon- α -Induced Changes in the Serotonergic System. Mood Disorders Center Journal Club, Portland VA Medical Center, Portland, OR, July 2002.

Nitric Oxide Response to Interferon and Its Relevance to the Virologic Response to Interferon. OHSU Department of Psychiatry Research Conference, Portland, OR, January 2003.

Neurochemical Mechanisms of Interferon- α -Induced Depression. VISN 20 Management of Hepatitis C Symposium, Grand Hyatt, Seattle, WA, June 2003.

Cytokines and Depression. OHSU, Department of Psychiatry Grand Rounds, Portland, OR, May 2004.

NMDA Receptor NR2B Subunit: Relationships, Roles, and Regulation. OHSU Movement Disorders Program and Parkinson Center of Oregon, Department of Neurology, Portland, OR, July 2004.

Biochemical and Behavioral Correlates of Interferon Response. OHSU Department of Psychiatry Research Conference, Portland, OR, December 2004.

Brief Review of the Recent Publications Related to HCV & IFN-Induced Depression Research Projects: Implications for Future Directions. Mood Disorders Center Journal Club, Portland VA Medical Center, Portland, OR, October 2005.

Inflammatory Mediators in Depression and HCV Treatment Variability. OHSU Department of Psychiatry Research Conference, Portland, OR, October 2007.

Brain-immune interactions: The role of cytokines in depression and substance use disorders. Mood Disorders Center Journal Club, Portland VA Medical Center, Portland, OR, May 2008.

Neuroimmune mediators of cognitive impairment in methamphetamine abuse. Methamphetamine Research Center (MARC) presentation, Portland VA Medical Center, Portland, OR, May 2008.

Cytokines, Depression and HCV. Northwest Hepatitis C Resource Center site visit presentation, Portland VA Medical Center, Portland, OR, January 2009.

Impact of methamphetamine on immune-CNS interactions and the neuropsychiatric sequelae. Oregon Clinical & Translational Research Institute (OCTRI) Design Studio, OHSU, Portland, OR, April 2009.

Neuroimmune mediators of cognitive impairment in methamphetamine abuse. MARC Scientific Advisory Board Meeting, Portland VA Medical Center, Portland, OR, February 2009.

Neuroimmune mediators of cognitive impairment in methamphetamine abuse. MARC NIDA program officers visit, Portland VA Medical Center, Portland, OR, July 2009.

Psychoneuroimmunology and depression: What is the link between our innate immune responses and the behavioral changes observed in depression. Department of Psychiatry Grand Rounds, OHSU, Portland, OR, November 2009.

A Reverse-Translational Study of Dysfunctional Exploration in Psychiatric Disorders, From Mice to Men. Psychoneuroimmunology Journal Club, Portland VA Medical Center, Portland, OR, March 2010.

Neuroimmune mediators of cognitive impairment in methamphetamine abuse. OHSU Department of Psychiatry Research Conference, Portland, OR, April 2010.

Research Focus: Translational Psychoneuroimmunology. Oral presentation for Portland VA Medical Center's Veterinary Medical Unit Lunch & Learn, Portland, OR, June 2010.

Regulation of learning and memory by meningeal immunity: a key role for IL-4. Immunology Journal Club, Portland VA Medical Center, Portland, OR, July 2010.

Methamphetamine alters cytokine expression in the hippocampus and impairs learning on the Morris water maze. Monday Morning Seminar Series, Portland VA Medical Center, Portland, OR September 2010.

Psychoneuroimmunology and depression. Invited lecture given at Old Town Clinic (a.k.a. Central City Concern), Portland, OR, October 2010.

Methamphetamine causes mitochondrial oxidative damage in human T lymphocytes leading to functional impairment; Cognitive enhancement as a pharmacotherapy target. Psychoneuroimmunology Journal Club, Portland VA Medical Center, Portland, OR, November 2010.

Sertoli cell therapy as a novel approach for treating depression. OHSU Department of Psychiatry Research Conference, Portland, OR, December 2010.

Neuroimmune mechanisms of methamphetamine induced cognitive dysfunction. Invited lecture given at LaSalle High School, Milwaukie, OR, December 2010.

V. SERVICE

Membership in Professional Societies:

1998-present Society for Neuroscience
2001-present International Society for Neurochemistry
2002-present Northwest Hepatitis C Resource Center
2008-present Psychoneuroimmunology Research Society

Granting Agency Review Work:

Research Funding and Policy Division of the Health Research Board, Ireland (ad hoc reviewer)
Biological and Medical Sciences, Austrian Science Fund (FWF) Vienna, Austria (ad hoc reviewer)
OHSU Research Center for Gender-Based Medicine (ad hoc reviewer)

Editorial and Ad Hoc Review Activities:

Alimentary Pharmacology & Therapeutics (reviewer)
American Journal of Gastroenterology (reviewer)
Clinical and Experimental Medicine (reviewer)
Digestive & Liver Diseases (reviewer)
European Psychiatry (reviewer)
Frontiers in Bioscience (managing editor)
International Journal of Environmental Research & Public Health (reviewer)
International Journal of Methods in Psychiatric Research (reviewer)
Journal of Postgraduate Medicine (reviewer)
Journal of Psychosomatic Research (reviewer)
Journal of Rehabilitation Research & Development (reviewer)
Journal of the Neurological Sciences (reviewer)
Neuropsychopharmacology (reviewer)
Neuroscience Letters (reviewer)
Open Pharmacology Journal (Editorial board member)
Psychiatry Research (reviewer)
Psychosomatic Medicine (reviewer)

Committees:

International/National

N/A

Regional

Northwest Hepatitis C Resource Center, Portland VA Medical Center and VA Puget Sound Health Care System. The Northwest Hepatitis C Resource Center is one of four nationally funded centers and involves a collaborative effort between the VA Puget Sound Health Care System and the Portland VA Medical Center. The Hepatitis C Resource Center focuses on the development of best practice models for the care of veterans with hepatitis C (HCV), including the development of prevention and educational models for patients with HCV that may later be translated to other facilities nationwide.

Institutional

Institutional Animal Care and Use Committee (IACUC), Portland VA Medical Center. Appointed on May 26, 2008. The IACUC oversees and evaluates all aspects of the Portland Veterinary Medical Unit (VMU) animal care and use program, for research or instructional purposes. This committee's role is

similar to that of the Institutional Review Board for Human Subjects research. To ensure compliance with all regulations, policies and standards in place to protect animal welfare, IACUC members review all requests for approval to use vertebrate animals—including all new protocols, protocol renewals and protocol amendments. The IACUC also routinely evaluates the VMU facilities to assure compliance with federal, state, and local laws. Specifically, the IACUC conducts semi-annual inspections of all areas where animals are housed and used, reviews the institutional program for animal use, and reports its findings to the Portland VA Medical Center or other governing agencies, as appropriate.

Research & Development Committee (R&D Committee), Portland VA Medical Center

Appointed a 3-year term to serve on the R&D committee. This committee is responsible for the governance of all matters involving research at the Portland VA Medical Center, including approval of local policies and procedures, conflict of interest management, review of the R&D Office, and scientific review of research protocols.

Departmental

Committee work:

2010 - present, Department of Psychiatry Promotions and Tenure Committee (member), OHSU

Community Service:

12/09 - present, Community Consultant

North Clackamas School District

Serve as a community consultant for the North Clackamas Senior Seminar Experience. Role includes: (1) providing advice and feedback for the student as she designs a project, (2) assessing the student's professionalism, ability to collaborate, and career related learning standards, and (3) evaluating the project.

2/05 - present, Neuroscientist Participant

Society for Neuroscience Outreach Program

Member of the Neuroscientist/Teacher Partner Program to educate K-12 children in neuroscience and current research.

2/06 - present, Mentor

Partnership for Scientific Inquiry, OHSU, Portland OR

Mentor for the OHSU high school science class mentorship program. Responsibilities include: helping the students prepare a journal club, helping the students prepare a research proposal, and mentoring students in the laboratory.

8/07 - present, Thesis Advisor

Reed College, Portland, OR

Role is an off-campus senior thesis advisor/mentor for psychology students at Reed College. Responsibilities include: helping students design, execute and write-up their research projects as well as participating in orals boards and student evaluations.

1/09 - present, Mentor for the STEM (Science, Technology, Engineering, Math) Mentor Project

The project is funded by the National Science Foundation and designed to increase the availability of STEM careers for students with learning (e.g., attention deficit disorders, Autism) and other types of disabilities.

Clinical Responsibilities (since last promotion):

N/A

VI. TEACHING (OHSU Educator=s Portfolio):

Overview of your Role as an Educator:

I have had the opportunity to experience a variety of teaching styles as an undergraduate and graduate student. As an educator for high school, undergraduate, graduate, medical and adult professional students I have also had the opportunity to personally explore techniques and teaching methods in an attempt to teach others in an effective manner. Many components contribute to a successful teaching interface with capable students that can be motivated being the necessary starting point. A teacher then has the responsibility to thoroughly understand the subject matter, the ultimate goal of any individual lecture as well as the course itself. In addition, since most students are professional listeners it is the task of a teacher to challenge the student to keep the interest in the course subject and to instill a desire to learn more from discussion within and without of the classroom setting. Based on my experience I believe that the general area of psychobiology/neuroscience lends itself to a successful classroom experience. It is a fascinating area of study and is an area that impacts many aspects of our daily life. It is also an area in which significant research findings are being made in the laboratory and in the clinic. Bringing to the classroom examples of the vitality and relevance of a topic makes the teaching experience more enjoyable for the teacher as well as the student. Consequently, I regularly assign students recent, peer-reviewed journal articles to discuss and present, I offer hands-on exposure to laboratory techniques, and I bring in outside speakers to the classroom to provide variety and to stimulate learning and retention.

Scholarship of Teaching:

Curriculum Development

Perspectives on Mind and Brain, Portland Community College, Portland OR

This course offered a basic introduction to both the major experimental tools used and topics currently under investigation in cognitive neuroscience. Participants achieved familiarity with the general organization and structure of the nervous system, with the technology and techniques used to answer experimental questions, and with the main topics in cognition, from memory to consciousness, explored in laboratories worldwide.

Neurology of Speech and Hearing, Portland State University, Portland, OR

This course was designed to give students a foundation in normal and disordered anatomy and physiology of the human nervous system. Class format consisted of lecture combined with slides, drawings, computer-assisted instruction, video instruction, and observation of a brain dissection. Students completed readings, assignments, and exams. Through these experiences, students learned to relate functions with structures in both the central and peripheral nervous systems. This course provided the necessary neuroscience background to advanced coursework in the diagnosis and treatment of neurogenic communication and cognitive disorders.

Advanced Physiological Psychology, Washington State University, Vancouver, WA

The primary objectives of this course were to: (1) Teach students to gather and evaluate scientific information and (2) Provide students with a better understanding of the nervous system through discussion of current topics in neuroscience research. The course concentrated on three topics: Attention and Memory, Drugs of Abuse, and Emotion.

Introduction to Psychology (lectures and labs), Reed College, Portland, OR

Full course for one semester, taught by three faculty members. The course provided an overview of selected topics in experimental, clinical, and applied psychology. Topics included learning, motivation, human development, social behavior, personality, and psychopathology. Conferences and laboratories supplement the lectures and readings.

Psychobiology (lectures and labs), Reed College, Portland, OR

Psychobiology examined the basic concepts and methods of neuroanatomy, physiology, biochemistry, and neuroendocrinology as they relate to the study of behavior, perception, and cognition. The physiological bases of such phenomena as sensory perception, motor function, attention, motivation, emotion, learning, memory, and mental health and substance use disorders were topics considered in detail. In addition to the lectures that met three times per week, lab will meet once per week. The lab meetings included (1) neuroanatomical demonstrations, (2) some “hands-on” experience with immunohistochemical and behavioral neuroscience techniques, and (3) discussion of research methods and related journal articles.

Psychopharmacology, Reed College, Portland, OR

Psychopharmacology examined the effects of a wide array of psychoactive drugs through the methodologies and research data of brain biochemistry, behavioral pharmacology, and clinical treatment. Following an initial consideration of basic neuroanatomy, brain neurochemistry and pharmacokinetics/dynamics, conferences focused on original research articles in the pharmacology of neurotransmission, mechanisms of action for psychotropic drugs, biochemical theories of behavior and treatment of mental health disorders. Conferences met twice per week (T & Th 10:30-11:50). These meetings included (1) introductory comments, (2) active and stimulating discussions of journal articles or other readings assigned, and (3) take home messages.

Psychology Independent Study: Physiology of choice, Reed College, Portland, OR

Physiology of Choice is an independent study in which the student sought to investigate the process of decision making from a neurological perspective. This combined the insights of the cognitive literature on decision making and judgment with the behavioral literature on conditioning and learned behavior. By investigating the biological underpinnings of cognition, conditioning, and more specifically decision making the student understood the decision making process in a more holistic manner. The student met once per week (Wed at 2:00) with Dr. Loftis. These meetings included discussions of journal articles or other readings assigned as well as discussions pertaining to the graded course work. The student also joined the psychopharmacology class for units on drug abuse, schizophrenia, and thought disorders as the biological basis of these decision making processes (or their break down) was relevant to the topic.

Psychobiology Research: A focus on psychoneuroimmunology (lectures and labs), Reed College, Portland, OR

Psychobiology research with a focus on psychoneuroimmunology provided a systematic consideration of the various methods used by investigators working at the brain/behavior and brain/cognition interface with an emphasis on the field of psychoneuroimmunology. Psychoneuroimmunology encompassed the interrelated disciplines of psychology, neurobiology, immunology, endocrinology, neurology, and psychiatry. Conferences focused on original research articles with an emphasis on studies that integrated these disciplines. Readings were supplemented with hands-on neurosurgery, histology and structured research projects.

Educational Publications

Loftis, J.M. and Hauser, P. (2008) Prevalence of Psychiatric and Substance Use Disorder Co-morbidities in Patients with Hepatitis C. *Directions in Psychiatry* (invited review).*

Loftis, J.M. and Hauser, P. (2008) Risk and protective factors in interferon-induced depression: treatment strategies and clinical outcomes. *Directions in Psychiatry* (invited review).*

Hauser, P., **Loftis, J.M.**, Dieperink, E., Garcia-Tsao, G., Rigsby, M., Willenbring, M., and the Veterans Health Administration Hepatitis C Resource Center Program. (2004) Depression and Substance Use Disorders in Chronic Hepatitis C: Implications of new guidelines and experience in the VA health care system. *Federal Practitioner* 21(7):90-102.*

Loftis, J.M. and Hauser, P. (2003) Co-management of Depression and HCV Treatment. *Psychiatric Annals* 33(6):385-391.*

*PLEASE NOTE: These papers are listed in this section because they all have learning objectives and continuing medical education (CME) credit opportunities associated with them. These articles are also listed as Reviews in the Publications section of this CV.

Educational Conference Presentations

N/A

Education Grants and Contracts:

Temporary teaching contracts (1999 – 2008):

1999: Fall term appointment at Portland Community College as Adjunct Faculty at the Institute for Health Professionals

2000: Spring term appointment at Washington State University (Vancouver, WA) as Adjunct Faculty in the Department of Psychology

2000: Fall term appointment at Portland State University as an Adjunct Lecturer in the Department of Communication

2006-2007: Awarded a 1-year visiting Assistant Professor position in the Psychology Department at Reed College, Portland OR

Educational Activity:

Summary of educational activities and effectiveness from 1999 – 2010.

Academic year 1999—2000

Percent time devoted to educational activities during this year = 20%

| Category of educational activity | Type of learner | Representative examples | Average number of hours/year | Evidence of effectiveness (yes/no) |
|--------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------|
| “Perspectives on Mind and Brain,” Portland Community College | Adult professional | Selecting readings, preparing and giving lectures, writing and grading exams, evaluating oral presentations | 45 h/year | Yes |
| “Advanced Physiological Psychology”, WSU | Undergraduate students | Selecting readings, preparing and giving lectures, writing and grading exams, evaluating poster presentations, critiquing written essays and papers | 110 h/year | Yes |
| “Neurology of Speech and Hearing,” PSU | Undergraduate and graduate students | Selecting readings, preparing and giving lectures, writing and grading exams, evaluating oral presentations, critiquing class projects | 110 h/year | Yes |

Academic year 2002—2003

Percent time devoted to educational activities during this year = 10%

| Category of educational activity | Type of learner | Representative examples | Average number of hours/year | Evidence of effectiveness (yes/no) |
|------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------|------------------------------|------------------------------------|
| NW Hepatitis C Resource Center Committee | Adults, health care professionals | Developed educational materials, coordinated educational forums, gave lectures | 50 h/year | Yes |

Academic year 2004—2005

Percent time devoted to educational activities during this year = 5-10%

| Category of educational activity | Type of learner | Representative examples | Average number of hours/year | Evidence of effectiveness (yes/no) |
|------------------------------------|--------------------|------------------------------------------------------------------------|------------------------------|------------------------------------|
| “Neurochemistry of Drugs of Abuse” | Psychology interns | Lectures given to psychology interns at the Portland VA Medical Center | 10 h/year | No |

Academic year 2005—2006

Percent time devoted to educational activities during this year = 20-25%

| Category of educational activity | Type of learner | Representative examples | Average number of hours/year | Evidence of effectiveness (yes/no) |
|---------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------|
| Small group facilitator for “Principles of Clinical Medicine,” OHSU | Medical students | Helping students critically discuss the topics that were presented in lectures, discussing readings, evaluating written assignments | 35 h/year | Yes |
| “Partner for Scientific Inquiry,” OHSU | High school student | Helping the student prepare a journal club presentation, advising the student on how to prepare a research proposal, and mentoring the student in the laboratory | 50 h/year | Yes |

Academic year 2006—2007

Percent time devoted to educational activities during this year = 60%

| Category of educational activity | Type of learner | Representative examples | Average number of hours/year | Evidence of effectiveness (yes/no) |
|--------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------|------------------------------|------------------------------------|
| “Introduction to Psychology” (lectures + labs), Reed College | Undergraduate students | Selecting readings, preparing and giving lectures, writing and grading exams, | 125 h/year | Yes |

| | | | | |
|----------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|
| | | designing and implementing labs, critiquing lab reports | | |
| “Psychobiology” (lectures + labs), Reed College | Undergraduate students | Selecting readings, preparing and giving lectures, writing and grading exams, designing and implementing labs, critiquing lab assignments | 200 h/year | Yes |
| “Psychopharmacology”, Reed College | Undergraduate students | Selecting readings, preparing and giving lectures, facilitating conference discussions, writing and grading exams, critiquing oral presentations and written essays | 150 h/year | Yes |
| “Psychology Independent Study: Physiology of choice”, Reed College | Undergraduate student | Selecting readings, discussing journal articles or other readings assigned, critiquing written essays and final paper | 40 h/year | No |
| “Psychobiology Research: A focus on psychoneuroimmunology” (lectures and labs), Reed College | Undergraduate students | Selecting readings, preparing and giving lectures, writing and grading exams, designing and implementing labs, critiquing lab reports | 150 h/year | Yes |
| Thesis advisor, Reed College | Undergraduate students | Helping students design, execute and write-up their research projects, critiquing oral examinations and written thesis drafts | 80 h/year | Yes |

Academic year 2007—2008

Percent time devoted to educational activities during this year = 15%

| Category of educational activity | Type of learner | Representative examples | Average number of hours/year | Evidence of effectiveness (yes/no) |
|----------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------|
| “Partner for Scientific Inquiry,” OHSU | High School student | Helping the student prepare a journal club presentation, advising the student on how to prepare a research | 50 h/year | Yes |

| | | | | |
|------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------|-----|
| | | proposal, and mentoring the student in the laboratory | | |
| Thesis advisor, Reed College | Undergraduate students | Helping students design, execute and write-up their research projects, critiquing oral examinations and written thesis drafts | 80 h/year | Yes |

Academic year 2008—2009

Percent time devoted to educational activities during this year = 10%

| Category of educational activity | Type of learner | Representative examples | Average number of hours/year | Evidence of effectiveness (yes/no) |
|----------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------|
| “Partner for Scientific Inquiry,” OHSU | High School student | Helping the student prepare a journal club presentation, advising the student on how to prepare a research proposal, and mentoring the student in the laboratory | 50 h/year | Yes |
| Thesis advisor, Reed College | Undergraduate student | Helping students design, execute and write-up their research projects, critiquing oral examinations and written thesis drafts | 40 h/year | Yes |

Academic year 2009—2010

Percent time devoted to educational activities during this year = 15%

| Category of educational activity | Type of learner | Representative examples | Average number of hours/year | Evidence of effectiveness (yes/no) |
|---------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------|
| “Partner for Scientific Inquiry,” OHSU | High School student | Helping the student prepare a journal club presentation, advising the student on how to prepare a research proposal, and mentoring the student in the laboratory | 50 h/year | Yes |
| Small group facilitator for “Principles of Clinical Medicine,” OHSU | Medical students | Helping students critically discuss the topics that were presented in lectures, discussing readings, evaluating written | 35 h/year | Yes |

| | | | | |
|------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------|-----|
| | | assignments | | |
| Thesis advisor, Reed College | Undergraduate student | Helping students design, execute and write-up their research projects, critiquing oral examinations and written thesis drafts | 40 h/year | Yes |

Effectiveness of Educational Activity:

a. Teaching activity

As an educator, students and other faculty members report that I demonstrate a good command of the course contents and am well-prepared for lectures, conferences, meetings and labs. Individual comments from students indicate that my visual aids and hands-on demonstrations are useful and complement the lectures well. Evaluations also show that I am consistently available to students and easily approached with questions. They appreciate my respectful and collegial style inside and outside of the classroom. Feedback from students and other faculty suggest a few areas that could be improved, such as talking more slowly when presenting information and showing more confidence and fluidity when lecturing.

b. Advisor/mentor

To date, I have mentored seven high school students, eight undergraduate students and one postdoctoral fellow.

As a mentor, students and other faculty members report that I am readily available to answer questions and help in the lab. Evaluations and letters of support show that I am generous with my time and effort. Having the opportunity to mentor students at the beginning of their careers has taught me a number of valuable skills that will improve my ability to serve as an advisor in the future. In particular, I have found that it is important to avoid making assumptions about a student's ability to problem solve in the lab. A number of the students that I have worked with were very bright, organized and motivated; however, they still required supervision and assistance designing experiments and conducting assays. Recently, two new students have joined my lab (*i.e.*, a recent graduate from Washington State University and an undergraduate student from Reed College), and I am looking forward to helping both students expand their laboratory skills, discover their scientific interests, and prepare for their next career steps.

In addition, I am working towards earning my Mentor Certification through the Veterans Health Administration (VHA) Mentor Certification Program.

Service and Membership of Educational Committees:

N/A

Honors and Awards for Education:

Service/Education Awards

May 2003: Awarded "Employee of the Month" by the Department of Veterans Affairs for coordinating the efforts of the Hepatitis C Resource Center ["The Hepatitis C Resource Center is doing an outstanding job. In addition to the support groups and educational forums they have started a liver health forum, which features a different speaker each month. Both the Oregon State Hepatitis C and the Multnomah County coordinators have said that these forums are invaluable and the treatment plans that they use are excellent. The work done by these employees is a valuable tool for the veteran and each member of this team works together to ensure the proper treatment of the Hepatitis C veteran population."]

December 2003: Awarded “Team of the Month” by the Department of Veterans Affairs for work with the Hepatitis C Resource Center

2003: Awarded “Team of the Year” by the Department of Veterans Affairs for work with the Hepatitis C Resource Center

2006: Received a Rose Award at OHSU for mentoring a post-doctoral student (Dr. Altaf Darvish)

2009: Received a STEM Mentor Project 2009 Award for service as a mentor.

2010: Awarded “Scholars Abstract Award” by the 2010 Clinical and Translational Research and Education Meeting: ACRT/SCTS Joint Annual Meeting. April 5-7, 2010, Washington, D.C.

Collaborative Skills:

Spring 2010: Principles of Clinical Medicine, OHSU

Course director: Dr. Shawn Blanchard (current member of the PCM Leadership Team)

Responsibilities:

Co-facilitated small group discussions, graded term papers and evaluated student performance (in collaboration with Dr. Todd Engstrom, OHSU)

Spring 2005: Principles of Clinical Medicine, OHSU

Course director: Dr. Shawn Blanchard (current member of the PCM Leadership Team)

Responsibilities:

Co-facilitated small group discussions, graded term papers and evaluated student performance (in collaboration with Dr. David Bliss, OHSU)

Fall 2006: Introduction to Psychology, Reed College, Portland

Course director: Dr. Daniel Reisberg

Responsibilities:

Preparing and presenting seven 90-minute lectures

Selecting reading material

Setting and grading questions for course exams

Helping students with laboratory reports and grading final papers

Professional Development in Education:

December 5-6, 2002 attended a 2-day NIDA-sponsored workshop in Rockville, MD entitled, “Co-occurring Hepatitis C, Substance Abuse, and Psychiatric Illness: Addressing the Issues and Developing Integrated Models of Care”