

**Glenn R. Valdez
Curriculum Vita**

Address: Grand Valley State University
Department of Psychology
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EDUCATION

University of California, San Diego, La Jolla, CA
Ph.D. in Psychology, 2003
Dissertation: Restoration of Homeostasis Within the Stress System: A Novel
Therapeutic Approach for Alcohol Dependence
Advisor: Dr. George F. Koob

Tufts University, Medford, MA
B.A. in Psychology, Magna Cum Laude with Highest Honors in Thesis, 1998
Thesis: Voluntary Ethanol and Sucrose Drinking in High- and Low-Ranking Squirrel
Monkeys: A Microstructural Analysis
Advisor: Dr. Klaus A. Miczek

ACADEMIC EMPLOYMENT AND EXPERIENCE

Grand Valley State University, Department of Psychology, Allendale, MI.
Professor. 2020-present.
Associate Professor. 2012-2020.
Assistant Professor. 2006-2012.

Harvard Medical School, Division of Behavioral Biology, Department of Psychiatry, New
England Primate Research Center, Southborough, MA.
Postdoctoral Fellow. 2003-2006. Supervisor, Dr. Roger D. Spealman.

The Scripps Research Institute, Department of Neuropharmacology, La Jolla, CA.
Predoctoral Fellow. 1998-2003. Supervisor, Dr. George F. Koob.

University of California, San Diego, Department of Psychology, La Jolla, CA.
Teaching Assistant. 1999-2003.

Tufts University, Department of Psychology, Medford, MA.
Research Assistant. 1996-1998. Supervisor, Dr. Klaus A. Miczek.

TEACHING EXPERIENCE

Grand Valley State University, Department of Psychology (2006-present)

Courses Taught:

Psychology 101: Introductory Psychology

Psychology 330: Foundations of Behavioral Neuroscience

Psychology 430: Physiological Psychology

Psychology 432: Psychopharmacology

Psychology 532: Psychopharmacology

Select Supervised Student Projects:

DeVries C (2019) Exploration of sex differences in CRF₂ receptor regulation of anxiety responses following long-term alcohol withdrawal. McNair Scholars Project.

Green-Jackson L (2019) Sex differences in CRF₂ receptor regulation of depressive-like behavior during protracted withdrawal from ethanol. McNair Scholars Project.

DeVries C (2018) CRF₂ receptor regulation in anxiety responses following long-term alcohol withdrawal. REACH Scholars Project.

Green-Jackson L (2018) CRF₂ receptor regulation of depressive-like behavior during protracted ethanol withdrawal. REACH Scholars Project.

Marshall L (2017) The effect of CRF₂ receptor regulation on depressive-like behavior during protracted ethanol withdrawal. McNair Scholars Project.

Santome F (2017) The effect of CRF₂ receptor activation on anxiety-like behavior during protracted ethanol withdrawal. McNair Scholars Project.

Wallin C (2015) Naltrexone regulation of stress-enhanced ethanol self-administration. McNair Scholars Project.

Chapa DM (2014) Kappa opioid regulation of ethanol self-administration during acute and protracted withdrawal from ethanol. McNair Scholars Project.

Jarman SK (2014) Kappa opioid regulation of depressive-like behavior during acute and protracted withdrawal from ethanol. McNair Scholars Project.

Haney AM (2013) Kappa opioid regulation of depressive-like behavior during withdrawal from ethanol. Undergraduate Honors Thesis.

Jarman SK (2013) Kappa opioid regulation of reward seeking during acute and protracted withdrawal from ethanol. McNair Scholars Project.

Harsberger E (2011) Enhancement of the behavioral stress response and ethanol reinstatement: Regulation by kappa opioid receptor activation. Undergraduate Honors Thesis.

Harsberger E (2010) Kappa opioid regulation of stress-related behavior. McNair Scholars Project.

Curriculum Development:

Behavioral Neuroscience Major. Developed and proposed a significant revision to the previous Biopsychology Major. Developed two new courses, PSY 330: Foundations of Behavioral Neuroscience and PSY 435: Foundations of Behavioral Neuroscience, as part of the revised major.

University of California, San Diego, Department of Psychology (1999-2003)

Courses Taught:

Psychology 134: Eating Disorders

Psychology 179: Drugs, Addictions and Mental Disorders

Psychology 181: Drugs and Behavior

Psychology 188: Impulse Control Disorders

SCHOLARLY ACTIVITIES

Current Research Focus:

Biological Mechanisms of Protracted Ethanol Withdrawal and Relapse. The main objective of this research is to determine how long-term biological changes due to alcohol dependence influence anxiety, depression, and relapse.

Publications: (*indicates undergraduate student co-author)

Jarman SK*, Haney AM*, **Valdez GR** (2018) Kappa opioid regulation of depressive-like behavior during acute and protracted withdrawal from ethanol. PLoS ONE. 13(9): e0205016.

Harshberger E*, Gilson E*, Gillett K*, Stone J*, El Amrani L*, **Valdez GR** (2016) nor-BNI antagonism of kappa opioid agonist-induced reinstatement of ethanol-seeking behavior. Journal of Addiction. Article ID 1084235, 8 pages.

Valdez GR (2016) Corticotropin-releasing factor receptors as a potential target in the developments of antidepressant drugs. In Melatonin, Neuroprotective Agents, and Antidepressant Therapy, eds. F. López-Muñoz, V. Srinivasan, D. De Berardis MD, C. Álamo, TA Kato. New Delhi: Springer India.

Gillett K*, Harshberger E*, **Valdez GR** (2013) Protracted withdrawal from ethanol and enhanced responsiveness to stress: Regulation via the kappa opioid/dynorphin system. *Alcohol*. 47:359-65.

Valdez GR, Harshberger E* (2012) Kappa opioid regulation of anxiety-like behavior during acute ethanol withdrawal. *Pharmacol Biochem Behav* 102: 44-7.

Walker BM, **Valdez GR**, McLaughlin JP, Bakalin G (2012) Targeting dynorphin/kappa opioid receptor systems to treat alcohol abuse and dependence. *Alcohol* 46: 359-70.

Valdez GR (2011) Corticotropin-releasing factor and hypothalamic-pituitary-adrenal axis regulation of the behavioral stress response and depression. In *Neurobiology of Depression*, eds. F. López-Muñoz and C. Álamo. New York: Taylor & Francis Group.

Valdez GR (2009) CRF receptors as a potential target in the development of novel pharmacotherapies for depression. *Curr Pharm Des* 15:1587-94.

Achat-Mendes C, **Valdez GR**, Platt DM, Rowlett JK and Spealman RD (2009) Intravenous self-administration of etonitazene alone and combined with cocaine in rhesus monkeys: comparison with heroin and antagonism by naltrexone and naloxonazine. *Psychopharmacology* 204:489-98.

Valdez GR, Platt DM, Rowlett JK, Ruedi-Bettschen D, Spealman RD (2007) Kappa agonist-induced reinstatement of cocaine seeking in squirrel monkeys: A role for opioid and stress-related mechanisms. *J Pharmacol Exp Ther* 323:525-33.

Zhao Y, **Valdez GR**, Fekete EM, Rivier J, Vale WW, Rice KF, Weiss F, Zorrilla EP (2007) Subtype-selective corticotropin-releasing factor receptor agonists exerts contrasting, but not opposite, effects on anxiety-related behavior. *J Pharmacol Exp Ther* 323:846-54.

Valdez GR (2006) Development of CRF₁ receptor antagonists as antidepressants and anxiolytics: progress to date. *CNS Drugs* 20:887-96.

Valdez GR, Zorrilla EP, Koob GF (2005) Homeostasis within the corticotropin-releasing factor system via CRF₂receptor activation: a novel approach for the treatment of anxiety. *Drug Dev Res* 65:205-15.

Breese GR, Chu K, Dayas CV, Funk D, Knapp DJ, Koob GF, Le DA, O'Dell LE, Overstreet DH, Roberts AJ, Sinha R, **Valdez GR**, Weiss F (2005) Stress enhancement of craving during sobriety: a risk for relapse. *Alcohol Clin Exp Res* 29:185-95.

Zorrilla EP, Inoue K, Fekete EM Tabarin A, **Valdez GR**, Koob GF (2005) Measuring meals: structure of prandial food and water intake of rats. *Am J Physiol Regul Integr Comp Physiol* 288:R1450-65.

Zorrilla EP, Inoue K, **Valdez GR**, Tabarin A, Koob GF (2005) Leptin and post-prandial satiety: acute central leptin more potently reduces meal frequency than meal size in the rat. *Psychopharmacology* 177:324-35.

Valdez GR, Koob GF (2004) Allostasis and dysregulation of corticotropin-releasing factor and neuropeptide Y systems: implications for the development of alcoholism. *Pharmacol Biochem Behav* 79:671-89.

Valdez GR, Sabino V, Koob GF (2004) Increased anxiety-like behavior and ethanol self-administration in dependent rats: Reversal via CRF₂ receptor activation. *Alcohol Clin Exp Res* 28:865-72.

Zorrilla EP, Reinhardt LE, **Valdez GR**, Inoue K, Rivier J, Vale WW, Koob GF (2004) Human urocortin 2, a CRF₂ agonist, and ovine CRF, a CRF₁ agonist, differentially alter feeding and motor activity. *J Pharmacol Exp Ther* 310:1027-34.

Inoue K, Zorrilla EP, Tabarin A, **Valdez GR**, Iwasaki S, Kiriike N, Koob GF (2004) Reduction of anxiety after restricted feeding in the rat: Implication for eating disorders. *Biol Psychiatry* 55:1075-81.

Valdez GR, Zorrilla EP, Rivier J, Vale WW, Koob GF (2003) Locomotor suppressive and anxiolytic-like effects of urocortin 3, a highly selective type 2 corticotropin-releasing factor agonist. *Brain Res* 980:206-12.

Valdez GR, Zorrilla EP, Roberts AJ, Koob GF (2003) Antagonism of corticotropin-releasing factor attenuates the enhanced responsiveness to stress observed during protracted ethanol abstinence. *Alcohol* 29:55-60. High priority communication

Inoue K, **Valdez GR**, Reyes TM, Reinhardt LE, Tabarin A, Rivier J, Vale WW, Sawchenko PE, Koob GF, Zorrilla EP (2003) Human urocortin II, a selective agonist for the type 2 corticotropin-releasing factor receptor, decreases feeding and drinking in the rat. *J Pharmacol Exp Ther* 305:385-93.

Valdez GR, Inoue K, Koob GF, Rivier J, Vale WW, Zorrilla EP (2002) Human urocortin II: Mild locomotor suppressive and delayed anxiolytic-like effects of a novel corticotropin-releasing factor related peptide. *Brain Res* 943:142-50.

Valdez GR, Roberts AJ, Chan K, Davis H, Brennan M, Zorrilla EP, Koob GF (2002) Increased ethanol self-administration and anxiety-like behavior during acute ethanol withdrawal and protracted abstinence: Regulation by corticotropin-releasing factor. *Alcohol Clin Exp Res* 26:1494-501.

Zorrilla EP, **Valdez GR**, Nozulak J, Koob GF, Markou A (2002) Effects of antalarmin, a CRF type 1 receptor antagonist, on anxiety-like behavior and motor activation in the rat. *Brain Res* 952:188-99.

Weiss F, Ciccocioppo R, Parsons LH, Katner S, Liu X, Zorrilla EP, **Valdez GR**, Ben-Shahar O, Angeletti S, Richter RR (2001) Compulsive drug-seeking behavior and relapse. Neuroadaptation, stress, and conditioning factors. *Ann N Y Acad Sci* 937:1-26.

Zorrilla EP, **Valdez GR**, Weiss F (2001) Changes in levels of regional CRF-like immunoreactivity and plasma corticosterone during protracted drug withdrawal in dependent rats. *Psychopharmacology* 158:374-81.

Conference Presentations: (*indicates undergraduate student co-author)

Marshall L*, Santome F*, **Valdez GR** (2018) CRF₂ receptor regulation of anxiety- and depressive-like behavior following protracted withdrawal from ethanol. Annual Meeting of the Society for Neuroscience. San Diego, CA.

Chapa DM*, Jarman SK*, **Valdez GR** (2015) Kappa opioid regulation of depressive-like behavior and ethanol self-administration during acute and protracted withdrawal from ethanol. Annual Meeting of the Society for Neuroscience. Chicago, IL.

Jarman SK*, Haney AM*, **Valdez GR** (2013) Kappa opioid regulation of depressive-like behavior and reward seeking during acute and protracted withdrawal from ethanol. Annual Meeting of the Society for Neuroscience. San Diego, CA.

Gillett K*, Harshberger E*, **Valdez GR** (2012) Protracted withdrawal from ethanol and the enhanced responsiveness to mild stress: regulation via the dynorphin/kappa opioid receptor system. Annual Meeting of the Society for Neuroscience. New Orleans, LA.

Harshberger E*, Gilson, EA*, **Valdez GR** (2011) Enhancement of the behavioral stress response and ethanol reinstatement: regulation by kappa opioid receptor activation. Annual Meeting of the Society for Neuroscience. Washington, DC.

Valdez GR (2011) Kappa opioid regulation of stress-related reinstatement and the behavioral stress response during withdrawal. *Alcoholism and Stress: A Framework for Future Treatment Strategies*. Volterra, Italy.

Valdez GR, Thomas KE*, Goodrich E*, Dekker KM* (2008) Kappa opioid receptor antagonism of the behavioral stress response following chronic exposure to ethanol. Annual Meeting of the Society for Neuroscience. Washington, DC.

Achat-Mendez C, **Valdez GR**, Platt DM, Rowlett JK, Spealman RD (2007) Self-administration of opioid-cocaine combinations in rhesus monkeys: effects of naltrexone and naloxonazine. Annual Meeting of the Society for Neuroscience. San Diego, CA.

Valdez GR, Platt DM, Rowlett JK, Spealman RD (2006) Kappa opioid agonist-induced reinstatement of cocaine seeking in squirrel monkeys: a role for stress? Annual Meeting of the College on Problems of Drug Dependence. Scottsdale, AZ.

Valdez GR, Platt DM, Rowlett JK, Spealman RD (2006) Enhancement of cocaine self-administration by etonitazene is not attenuated by naloxonazine in rhesus monkeys. *Experimental Biology*. San Francisco, CA.

Valdez GR, Platt DM, Rowlett JK, Spealman RD (2005) Kappa opioid agonists induce partial reinstatement of cocaine-seeking behavior via non-opioid mechanisms. Annual Meeting of the College on Problems of Drug Dependence. Orlando, FL.

Valdez GR, Platt DM, Rowlett JK, Spealman RD (2004) Modulation of the discriminative stimulus effects and self-administration of cocaine by etonitazene in rhesus monkeys. Annual Meeting of the Society for Neuroscience. San Diego, CA.

Inoue K, Tabarin A, **Valdez GR**, Iwasaki S, Muramatsu T, Kiriike N, Koob GF, Zorrilla EP (2004) Leptin suppresses the rebound hyperphagia induced by chronic restricted feeding in rats. Annual Meeting of the Society for Neuroscience. San Diego, CA.

Valdez GR, Zorrilla EP, Rivier J, Vale WW, Koob GF (2002) Behavioral effects of urocortin III, a novel highly selective CRF₂ receptor agonist, in animal models of anxiety. Annual Meeting of the Society for Neuroscience. Orlando, FL.

Inoue K, Zorrilla EP, Tabarin A, **Valdez GR**, Iwasaki S, Kiriike N, Koob GF (2002) Persistent reduction in anxiety-like behavior following restricted feeding in the rat. Annual Meeting of the Society for Neuroscience. Orlando, FL.

Zorrilla EP, Tabarin AC, Inoue K, **Valdez GR**, Catargi B, Roberts AJ, Reinhardt LE, Lee KF, Vale WW, Koob GF (2002) Stress-induced anorexia does not require type-1 corticotropin-releasing factor receptor activation. Annual Meeting of the Society for Neuroscience. Orlando, FL.

Chen SA, Kitamura O, Zorrilla EP, **Valdez GR**, Markou A, Bartafi T, Koob GF (2002) The effect of neuropeptides on unlimited access to heroin self-administration. National Institute on Drug Abuse Satellite Meeting of the Society for Neuroscience on Addiction. Orlando, FL.

Valdez GR, Inoue K, Koob GF, Rivier J, Vale WW, Zorrilla EP (2001) Human urocortin II: Effects of a novel, selective CRF-R2 agonist on anxiety and motor activation. Annual Meeting of the Society for Neuroscience. San Diego, CA.

Inoue K, **Valdez GR**, Reinhardt LE, Tabarin A, Rivier J, Vale WW, Koob GF, Zorrilla EP (2001) Anorectic effects of human urocortin II, a novel, selective type 2 CRF receptor agonist, in the rat. Regional Meeting of the Collegium Internationale Neuropsychopharmacologium. Hiroshima, Japan.

Zorrilla EP, Inoue K, Reinhardt LE, **Valdez GR**, Tabarin A, Rivier J, Vale WW, Koob GF (2001) Anorectic effects of human urocortin II, a selective type 2 CRF receptor agonist. Annual Meeting of the Society for Neuroscience. San Diego, CA.

Valdez GR, Zorrilla EP, Koob GF, Weiss F (2000) Influence of protracted ethanol abstinence on corticotropin-releasing factor systems and the HPA axis in dependent rats. Annual Meeting of the Society for Neuroscience. New Orleans, LA.

Mandillo S, **Valdez GR**, Miczek KA (1998) Socially facilitated drinking of sweetened ethanol in group housed squirrel monkeys. Annual Meeting of the Society for Neuroscience. Los Angeles, CA.

Invited Talks:

Kappa opioid regulation of acute and protracted withdrawal from alcohol. Department of Psychology, Purdue University, West Lafayette, IN. (2017)

Stress-related relapse and withdrawal: regulation via kappa opioids. Center for Health Sciences, SRI International, Menlo Park, CA. (2012)

Kappa opioid regulation of drug withdrawal and stress-induced relapse. Department of Psychiatry, McLean Hospital, Harvard Medical School, Belmont, MA. (2009)

Stress-related drug self-administration and relapse: a role for corticotropin-releasing factor, kappa opioids and norepinephrine. Department of Chemistry and Biochemistry, Calvin College, Grand Rapids, MI. (2008)

Student Conference Presentations:

DeVries C, **Valdez GR** (2019) Sex differences in CRF₂ receptor regulation of anxiety-like responses following long-term alcohol withdrawal. Midwest/Great Lakes Undergraduate Research Symposium in Neuroscience. Wooster, OH.

Green-Jackson L, **Valdez GR** (2019) Sex differences in CRF₂ receptor regulation of depressive-like behavior during protracted ethanol withdrawal. Midwest/Great Lakes Undergraduate Research Symposium in Neuroscience. Wooster, OH.

DeVries C, **Valdez GR** (2018) CRF₂ receptor regulation in anxiety-like responses following long-term alcohol withdrawal. Midwest/Great Lakes Undergraduate Research Symposium in Neuroscience. Delaware, OH.

Green-Jackson L, **Valdez GR** (2018) The effect of CRF₂ receptors on depressive-like behavior during long-term withdrawal from alcohol. West Michigan Regional Undergraduate Science and Research Conference. Grand Rapids, MI.

Marshall L, **Valdez GR** (2017) CRF₂ receptor regulation of depressive-like behavior during protracted ethanol withdrawal. West Michigan Regional Undergraduate Science and Research Conference. Grand Rapids, MI.

Wallin C, **Valdez GR** (2015) Naltrexone regulation of stress-enhanced ethanol self-administration. Midwest/Great Lakes Undergraduate Research Symposium in Neuroscience. Toledo, OH.

Chapa DM, **Valdez GR** (2014) Kappa opioid regulation of acute and protracted alcohol withdrawal. West Michigan Regional Undergraduate Science and Research Conference. Grand Rapids, MI.

Jarman SK, **Valdez GR** (2014) Kappa opioid regulation of depressive-like behavior during acute and protracted withdrawal from ethanol. Midwest/Great Lakes Undergraduate Research Symposium in Neuroscience. Crawfordsville, IN.

Gillett K, Harshberger E, **Valdez GR** (2012) Dynorphin/kappa opioid receptor regulation of the enhanced responsiveness to mild stress during protracted ethanol withdrawal. Meeting of the Michigan Chapter of the Society for Neuroscience. Ann Arbor, MI.

Previous Research Support:

CSCE Catalyst Grant

Project title: Effects of Urocortin 3 on the behavioral stress response following long-term alcohol withdrawal.

Grand Valley State University Center for Scholarly and Creative Excellence

11/1/2017-10/31/2018

CSCE Catalyst Grant

Project title: CRF₂ Receptor Regulation of Anxiety Following Long-Term Withdrawal from Alcohol

Grand Valley State University Center for Scholarly and Creative Excellence

11/1/2015-10/31/2016

CSCE Catalyst Grant

Project title: Kappa Opioid Regulation of the Reinstatement of Ethanol Seeking

Grand Valley State University Center for Scholarly and Creative Excellence

4/1/2014-3/31/2015

R15 AA018213

Project title: Kappa Opioid Regulation of Ethanol Withdrawal and Relapse

National Institute on Alcohol Abuse and Alcoholism

3/1/2010-2/28/2014

Faculty Research Grant in Aid

Project title: Kappa Opioid Regulation of the Reinstatement of Ethanol Seeking

Grand Valley State University Center for Research and Development

1/1/2008-1/1/2009

Faculty Research Grant in Aid

Project title: Kappa Opioid Regulation of Ethanol Withdrawal-Induced Anxiety

Grand Valley State University Center for Research and Development

5/1/2007-8/31/2007

F32 DA019286

Project title: Opioid and Dopamine Mechanisms of Heroin Relapse

National Institute on Drug Abuse

6/1/2005-6/30/2006

F31 AA05563

Project title: Role of CRF in Ethanol Withdrawal and Reinforcement

National Institute on Alcohol Abuse and Alcoholism

4/1/2000-3/31/2003

SERVICE ACTIVITIES

Department Service:

- Psychology Faculty Search Committee, Behavioral Neuroscience Position (2022-present; Chair 2022-present)
- Psychology Department Personnel Committee (2014-2016; 2020-present; Chair, 2020-2021)
- Psychology Department Advising Committee (2016-2017; 2019-2020)
- Psychology Department Curriculum Committee (2014-2015; 2019-2020)
- Psychology Department Task Force on Power Imbalances and Sexual Harassment (Chair, 2018-2019)
- Behavioral Neuroscience Teaching Circle Convener (2016-2019)
- Psychology Department Advisory Committee (2011-2012; 2018)
- Biopsychology Major Review Team (2008-2015)
- Psychology Faculty Search Committee, Behavioral Neuroscience Position (2012-2014; Chair 2013-2014)
- Psychology Laboratory Committee (2007-2011; Chair, 2009-2011)
- Psychology Faculty Search Committee, Aging Position (2009-2010)
- Faculty Advisor, Psi Chi GVSU Chapter (2008-2011)

University Service:

- Office of Multicultural Affairs Asian Student Achievement Program (Program Lead, 2021-present)
- Center for Scholarly and Creative Excellence Responsible Conduct in Research Advisory Board (2011-present; Chair 2015-present)
- Office of Undergraduate Research and Scholarship NIH Bridges to Baccalaureate Grants Writing Team (Principal Investigator, 2021-present)
- McNair Scholars Program Faculty Advisory Committee (2019-present)
- Faculty Advisor, GVSU Filipinx American Student Association (2021-present)
- University Consensual Relationship Task Force (2019)

- Center for Scholarly and Creative Excellence Howard Hughes Medical Institute IE3 Grant Writing Team (2019)
- McNair Scholars Director Search Committee (2018-2019)
- Office of Undergraduate Research and Scholarship STEM Program Grants Task Force (2017)
- Faculty Advisor, Best Buddies GVSU Chapter (2007-2018)
- Occupational Therapy Master's Thesis Committee Member. Holwerda J, Siri A, Wang D. Expert opinion on the executive function scale (2017)
- College of Liberal Arts and Sciences Laboratory Building Project Planning Team (2011-2015)
- College of Liberal Arts and Sciences Research Clusters Steering Group (2013-2017)
- Occupational Therapy Master's Thesis Committee Member. Coundourides A, Host K, Rexroat E. The Effects of multiple sclerosis on perceived parenting roles and adolescent coping (2012).
- Responsible Conduct in Research Task Force (2011)
- College of Liberal Arts and Sciences Associate Dean Search Committee (2011)
- Occupational Therapy Master's Thesis Committee Member. Damron B, Moore M. Caregiver perceptions of legislation and the availability of occupational therapy services regarding autism spectrum disorders (2011)

University Service Presentations:

- Responsible Conduct in Research Workshop Presentation, "RCR at GVSU" (2018)
- Summer Scholars Orientation Keynote Presentation, "Five lessons I've learned from lab animals about research...and life" (2018)
- Democracy 101 Panelist, Proposal 1: Michigan Marijuana Legalization Initiative (2018)
- Responsible Conduct in Research Workshop Presentation, "Research Misconduct and Conflict of Interest" (2016)
- Responsible Conduct in Research Workshop Presentation, "Scientist as a Responsible Member of Society" (2014)

Professional Service:

- *Ad hoc* Journal Reviewer: Addiction Biology, Behavioural Pharmacology, Brain Research, Brain Research Translational Psychiatry, British Journal of Pharmacology, CNS Drugs, CNS Neuroscience & Therapeutics, Developmental Brain Research, Drug and Alcohol Dependence, European Journal of Neuroscience, Expert Opinion on Investigational Drugs, Expert Opinion On Therapeutic Patents, Frontiers in Addictive Disorders & Behavioral Dyscontrol, Journal of Neuroscience, Journal of Psychopharmacology, Neuropharmacology, Pharmacology, Biochemistry and Behavior, Physiology and Behavior, Psychopharmacology, Substance Abuse and Rehabilitation, Translational Psychiatry

- Grant Reviewer: National Institutes of Health, Neurotoxicology and Alcoholism Study Section, U.K. Medical Research Council, Research Committee of the University of Crete

Community Service:

- Zeeland Public Schools, Zeeland, MI. The Brain and the Five Senses. Public outreach program directed towards kindergarteners in order to educate them about the nervous system and field of neuroscience. (2009-2018)
- Waukazoo Elementary School, Holland, MI. Shadows and Mind Tricks. Public outreach program directed towards grades 1-4 in order to educate them about the nervous system and field of neuroscience. (2014-2016, 2018-2019)
- Ottawa Area Intermediate School District, Holland, MI. Guest presentation for Ottawa Area ISD school psychologists regarding the effects of commonly used psychiatric medications in school-age children. (2017; 2019)
- Neuroscientist-Teacher Partner Program, Society for Neuroscience. Partners Society for Neuroscience members with K-12 educators and others involved in teacher preparation at the college or university level to share knowledge and raise interest in the nervous system. (2008-present)

AWARDS AND HONORS

- Psi Chi Professor of the Year (2022). Psi Chi, Grand Valley State University Chapter
- Pew Teaching Excellence Award (2020). Pew Faculty Teaching and Learning Center, Grand Valley State University
- Psi Chi Professor of the Year (2018). Psi Chi, Grand Valley State University Chapter
- Psi Chi Mentor of the Year (2018). Psi Chi, Grand Valley State University Chapter
- Psi Chi Professor of the Year (2014). Psi Chi, Grand Valley State University Chapter
- Distinguished Early Career Scholar (2012). Center for Scholarly and Creative Excellence, Grand Valley State University
- Psi Chi Professor of the Year (2010). Psi Chi, Grand Valley State University Chapter
- Early Career Investigator Award (2006). The College on Problems of Drug Dependence
- Teaching Assistant Excellence Award (2001) Department of Psychology, University of California, San Diego

PROFESSIONAL ORGANIZATIONS

- Faculty for Undergraduate Neuroscience
- Society for Neuroscience