

CURRICULUM VITAE

LARA A. RAY, PhD
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ACADEMIC APPOINTMENTS

Jan 2019- **Shirley M. Hatos Term Chair in Clinical Neuropharmacology**
Department of Psychiatry and Biobehavioral Sciences
School of Medicine
University of California, Los Angeles

Jul 2016 - **Full Professor** (with tenure)
Department of Psychology (Clinical Area)
University of California, Los Angeles

Jul 2013-Jun 2016 **Associate Professor** (with tenure)
Department of Psychology (Clinical Area)
University of California, Los Angeles

Jul 2008-Jun 2013 **Assistant Professor**
Department of Psychology (Clinical Area)
University of California, Los Angeles

Jul 2010 - **Faculty Member**
Department of Psychiatry and Biobehavioral Sciences
School of Medicine
University of California, Los Angeles

Mar 2009 - **Faculty Member**
Brain Research Institute
University of California, Los Angeles

Jul 2009 – Jun 2015 **Co-Director**
Addiction and Behavioral Medicine Clinic
UCLA Family Health Center
University of California, Los Angeles

EDUCATION

Jul 2007-Jun 2008 **Postdoctoral Fellow**
Center for Alcohol and Addiction Studies
Brown University Medical School, Providence, Rhode Island
Specialty: Substance use disorders

Jul 2006-Jun 2007 **Clinical Psychology Intern, Adult Track**
Brown University Medical School, Department of Psychiatry and Human Behavior,
Providence, Rhode Island

Aug 2002-May 2007 **Doctor of Philosophy, Clinical Psychology**
University of Colorado at Boulder, Boulder, CO

Aug 2002-Oct 2006 **Interdisciplinary Graduate Certificate, Behavioral Genetics**
Institute for Behavioral Genetics, University of Colorado at Boulder, Boulder, CO

- May 2004** **Master of Arts, Clinical Psychology**
University of Colorado at Boulder, Boulder, CO
- Aug 2001** **Bachelor of Arts, Psychology, with honors**
San Diego State University, San Diego, CA

HONORS AND AWARDS

- 2019** **Shirley M. Hatos Term Chair in Clinical Neuropharmacology**, UCLA Department of Psychiatry and Biobehavioral Sciences
- 2019** **J. Arthur Woodward Graduate Mentor Award**, UCLA Psychology Graduate Student Association
- 2018** **Distinguished Teaching Award**, UCLA Department of Psychology
- 2017** **Eva King Killam Award for Translational Research**, American College on Neuropsychopharmacology
- 2017** **Distinguished Scientific Award for Early Career Contribution to Psychology**, American Psychological Association
- 2015** **Fellow**, American Psychological Association Division 50, Society of Addiction Psychology
- 2014** **Young Investigator Award**, Research Society on Alcoholism
- 2013** **Early Career Award for Distinguished Scientific Contributions**, APA Division 50, Society of Addiction Psychology
- 2013** **David Shakow Early Career Award for Distinguished Scientific Contributions to Clinical Psychology**, APA Division 12, Society of Clinical Psychology
- 2012** **Presentation Award**, NIDA-NIAAA Early Career Session, American Psychological Association, Division 50 (Addictions)
- 2011** **Travel Award**, International Behavioral and Neural Genetics Society (IBANGS)
- 2010** **Travel Award**, American College of Neuropsychopharmacology (ACNP)
- 2010** **NIAAA Travel Award**, International Society for Biomedical Research on Alcoholism
- 2009** **NIH Loan Repayment Program Award**, Competitive Renewal
- 2009** **Travel Fellowship**, Winter Conference on Brain Research
- 2008** **Early Career Presentation Award**, American Psychological Association, Division 50
- 2008** **Young Investigator Award**, NIAAA-sponsored Conference on Alcoholism and Stress
- 2007** **Dozier Award** for Outstanding Graduate Student Research, Department of Psychology, University of Colorado at Boulder
- 2007** **NIH Loan Repayment Program Award**
- 2007** **Psychology Intern Research Poster Award**, Department of Psychiatry and Human Behavior, Brown Medical School, 11th Annual Research Symposium
- 2007** **Enoch Gordis Research Award**, Research Society on Alcoholism
- 2005** Finalist for the **Enoch Gordis Research Award**, Research Society on Alcoholism
- 2002-2003** Fellowship from the **National Science Foundation (NSF)** and the **Alliance for Graduate Education and the Professoriate (AGEP)**, University of Colorado at Boulder
- 2001** **Graduation with Distinction in Psychology**, San Diego State University
- 2000-2001** **Dean's Academic Honor List**, San Diego State University

PROFESSIONAL LICENSES

- Oct 2008** **Licensed Clinical Psychologist**, California Board of Psychology,
License # 22240
- Sep 2013** **Board Certification in Clinical Psychology**, American Board of Professional Psychology,
Diploma #7405

GRANT FUNDING

(*Note: TDC = Total Direct Costs)

Active Research Support

- NIAAA K24AA025704 Ray (PI)
Clinical neuroscience of alcoholism: integrating neuroscience and clinical trials
This midcareer investigator award in patient-oriented research seeks to support the PI in her efforts in mentoring and clinical research in the field of alcoholism
Role: PI TDC \$851,575 Project Period: 9/15/2018-8/31/2023
- NIAAA R01AA026190 Ray (PI)
A randomized controlled clinical trial of the neuroimmune modulator ibudilast for the treatment of AUD
This proposal seeks to advance medication development for alcohol use disorder by conducting a 12-week, double-blind, placebo-controlled randomized trial of ibudilast
Role: PI TDC \$1,892,000 Project Period: 5/1/2018-4/30/2022
- NIAAA R01AA026190S1 (Diversity Supplement) Ray (PI)
A randomized controlled clinical trial of the neuroimmune modulator ibudilast for the treatment of AUD
The purpose of this diversity supplement is to support the research training of a PhD student from an underrepresented background and to test the effects of ibudilast on executive function.
Role: PI/Mentor TDC \$141,661 Project Period: 5/01/2019-4/30/2022
- NIAAA R21AA027180 Ray (PI)
A novel human laboratory model for screening medications for alcohol use disorder
This study will validate a novel clinical paradigm for testing the initial efficacy of pharmacotherapies for alcohol use disorder.
Role: PI TDC \$262,500 Project Period: 9/20/2019-8/31/2021
- NIAAA R21AA027180S1 (Diversity Supplement) Ray (PI)
A novel human laboratory model for screening medications for alcohol use disorder
The purpose of this diversity supplement is to support the research training of a post-baccalaureate trainee from an underrepresented background and to test the effects of sleep on alcohol abstinence.
Role: PI/Mentor TDC \$83,641 Project Period: 9/01/2020-8/31/2021
- NIAAA R21 AA026006 Magill (PI)
A Meta-Analysis of CBT/RP Efficacy, Moderated Efficacy, and Mediation
The purpose of this study is to conduct a state-of-the-art meta-analysis of CBT/RP efficacy, moderated efficacy, and mediating processes.
Role: Co-I TDC \$313,147 Project Period: 10/1/2017-8/30/2020 (NCE)

Completed Research Support

- NIDA R01DA041226 Ray (PI)
Combining varenicline and naltrexone for smoking cessation and drinking reduction
This proposal is to conduct a randomized clinical trial comparing varenicline alone to varenicline plus naltrexone for smoking cessation in heavy drinking smokers.
Role: PI TDC \$1,500,000 Project Period: 9/1/2015-5/31/2019 (NCE)
- NIH-NIDA R01DA041226-02S1 (Supplement) Ray (PI)
Combining varenicline and naltrexone for smoking cessation and drinking reduction: Sex differences
The purpose of this supplement is to examine the effect of sex as a marker of medication response.
Role: PI TDC: \$99,766 Project Period: 9/1/2015-5/31/2019 (NCE)
- NIAAA R01AA021744 Ray (PI)
Optimizing naltrexone for individuals of Asian descent

The purpose of this study is to optimize the use of naltrexone for alcoholism on the basis of pharmacogenetics.

Role: PI TDC \$750,000 Project Period: 7/1/2013-6/30/2017
TRDRP26IR-0021 Galvan (PI)

Longitudinal effects of nicotine on the developing adolescent brain

The goal of this grant is to identify the longitudinal effects of cigarette smoking on the developing adolescent brain in youth from diverse socioeconomic backgrounds.

Role: Co-I TDC \$366,467 Project Period: 07/01/2017-06/30/2019

HHSN27500008-1078-NCIG7-UCLA Ray (PI)

Randomized, Double Blind, Placebo-Controlled Trial of the Efficacy of Oxytocin for the Treatment of Alcohol Use Disorder

This project is a randomized, multisite clinical trial comparing oxytocin to placebo for the treatment of alcohol use disorders.

Role: PI TDC \$ \$138,609 Project Period: 1/1/2018-6/30/2019

NIAAA R21AA022752 Ray (PI)

Modeling alcohol reward and reinforcement in the human laboratory

This study will test the association between subjective measures of alcohol reward and self-administration using state-of-the-art human laboratory paradigms.

Role: PI TDC \$275,000 Project Period: 9/10/2014-8/31/2017 (NCE)

HHSN27500003-1061-NCIG6-UCLA Ray/Shoptaw (Co-PIs)

Randomized, Double Blind, Placebo-Controlled Trial of the Safety and Efficacy of Gabapentin Enacarbil (Horizant®) Extended-Release Tablets for the Treatment of Alcohol Use Disorder

This project is a randomized, multisite clinical trial comparing Horizant to placebo for the treatment of alcohol use disorders.

Role: Co-PI TDC \$792,295 Project Period: 3/1/2015-1/30/2017

NIAAA R21AA023669 Ray/Karno (Co-PIs)

Perceived alcohol reward value and risk: Neural correlates and treatment effects

This study will examine the effects of a brief intervention for alcohol use disorder on neural markers of the incentive salience of alcohol.

Role: Co-PI TDC \$275,000 Project Period: 6/1/2015-5/31/2018 (NCE)

TRDRP 18KT-0020 Kirkpatrick (PI)

Therapeutic potential of oxytocin for nicotine addiction

This project investigates the dose-dependent acute effects of intranasal oxytocin on socioemotional emotional processing disruptions, craving, and smoking lapse during tobacco withdrawal.

Role: Co-I TDC \$240,000 Project Period: 7/1/2016 – 6/30/2018

NIAAA R01AA021744 (Diversity Supplement) Ray (PI)

Optimizing naltrexone for individuals of Asian descent

The purpose of this diversity supplement is to support the research training of a post-bac student from an underrepresented background and to help her achieve admission to a graduate program.

Role: PI/Mentor TDC \$70,588 Project Period: 9/01/2015-8/30/2016

NIAAA R34AA022055 Glassner-Edwards (PI)

Cell phone technology targeting ART and naltrexone adherence and alcohol use

This project uses mobile phone technology to deliver behavioral support for HIV-infected individuals with alcohol dependence treated with naltrexone.

Role: Co-I TDC \$450,000 Project Period: 7/01/2013-6/30/2016

NIAAA R21AA022214 Ray (PI)
Development of ibudilast as a novel treatment for alcohol dependence
This study consists of a series of human laboratory paradigms to test the initial efficacy of ibudilast, a glial cell modulator and phosphodiesterase inhibitor, for the treatment of alcoholism.

Role: PI TDC \$275,000 Project Period: 7/01/2013-6/30/2015

CTSI Seed Grant Ray (PI)
Repositioning ivermectin for the treatment of alcohol use disorders
This pilot study will examine safety and initial efficacy of ivermectin for the treatment of alcoholism.

Role: PI TDC \$157,199 Project Period: 9/01/2013-3/30/2015

NIDA R21 DA029831
Pharmacogenetics of naltrexone for methamphetamine use disorders
This study seeks to characterize the biobehavioral effects of naltrexone for methamphetamine use disorders and to extend its pharmacogenetics.

Role: PI TDC \$275,000 Project Period: 9/15/2011-08/31/2013

NIDA R21DA029831-01S1
Pharmacogenetics of naltrexone for methamphetamine use disorders (NIDA Summer Program Supplement)
The purpose of this supplement is to support three undergraduate students from underrepresented backgrounds to receive 10 weeks of research training in my research laboratory.

Role: PI/Mentor TDC \$30,000 Project Period: 6/25/12-8/24/12

NIDA R21DA029831-02S2
Pharmacogenetics of naltrexone for methamphetamine use disorders (NIDA Summer Program Supplement)
The purpose of this supplement is to support three undergraduate students from underrepresented backgrounds to receive 10 weeks of research training in my research laboratory.

Role: PI/Mentor TDC \$30,000 Project Period: 6/25/13-8/24/13

NIDA R03DA030898
Neuroimaging probes of medication response in smokers
The purpose of this project is to examine neural markers of response to a combined pharmacological treatment for heavy drinking smokers.

Role: PI TDC \$50,000 Project Period: 9/20/10-8/31/12

NIAAA R03AA19569
Integrating laboratory and neuroimaging phenotypes
The purpose of this project is to add a neuroimaging component to an ongoing laboratory study of subjective responses to alcohol and its underlying genetic determinants.

Role: PI TDC \$50,000 Project Period: 10/1/2009-9/30/2011

NIDA R03DA030898-01S1
Neuroimaging probes of medication response in smokers (NIDA Summer Program Supplement)
The purpose of this supplement is to support two undergraduate students from underrepresented backgrounds to receive 10 weeks of research training in my research laboratory.

Role: PI/Mentor TDC \$16,000 Project Period: 6/20/11-8/26/11

Hellman Fellowship UCLA
The effects of naltrexone on the reinforcing properties of methamphetamine in the brain

This pilot study evaluated the effects of naltrexone on craving using an fMRI-based approach.

Role: PI TDC \$25,000 Project Period: 7/1/2011-6/30/2013
Faculty Research Grant UCLA Academic Senate

The effects of alcohol on fear conditioning in humans

The purpose of this study is to test a human laboratory model of fear conditioning combined with an alcohol administration protocol which will provide the context for the conditioning paradigm.

Role: PI TDC \$5,000 Project Period: 7/1/2011-6/30/2013

NIAAA

R21 AA020573

Moore (PI)

Reducing unhealthy alcohol use in older Hispanic day laborers

The purpose of this application is to develop and test a culturally-adapted intervention to reduce hazardous alcohol use in Hispanic day laborers.

Role: Co-I TDC \$275,000 Project Period: 4/1/2011-03/31/2013

NIAAA

R03AA020186

Lee (PI)

Prospective predictors of alcohol expectancies in children with and without ADHD

This project will prospectively examine the development of alcohol expectancies and alcohol use in children.

Role: Co-I TDC \$50,000 Project Period: 6/20/2010-8/26/12

TRDRP

Shapiro (PI)

The effects of stereotype threat on smoking behavior

This project combines a stereotype threat manipulation with a human laboratory model of smoking and relapse. The goal is to examine the effects of stereotype threat on smoking behavior.

Role: Co-I TDC \$250,000 Project Period: 7/1/2011- 6/30/2013

Pfizer

Global Award for Nicotine Dependence (GRAND)

The effects of varenicline on stress-induced and cue-induced cigarette craving: a placebo-controlled laboratory study

This study will examine the effects of varenicline versus placebo on stress and cue-induced craving for cigarettes as they affect the relative reinforcing value of cigarettes.

Role: PI TDC \$160,000 Project Period: 11/1/2010 to 10/30/2012

Tobacco Related Disease Research Program

TRDRP 18KT-0020

Pharmacological interventions for heavy drinking smokers

The purpose of this project is to test the singular and combined effects of two medications (naltrexone and varenicline) for heavy drinking smokers in the laboratory.

Role: PI TDC \$285,000 Project Period: 7/1/2009-6/30/2012

ABMRF, the Foundation for Alcohol Research

Integrating human laboratory paradigms to refine alcoholism phenotypes

The purpose of this study is to combine two human laboratory paradigms, intravenous alcohol administration and cue-exposure, to refine alcoholism phenotypes.

Role: PI TDC \$100,000 Project Period: 1/1/2009-6/30/2011

NIA

P30AG021684

Brief intervention for alcohol misuse among elderly Latino day laborers

This pilot study will support initial survey and treatment development efforts designed to reduce risky alcohol use among Latino day laborers.

Role: Pilot project PI TDC \$20,000 Project Period: 9/20/10-8/31/11

M01-RR00865 National Institutes of Health/UCLA Clinical Research Center
Support for three alcohol administration and pharmacotherapy studies to be conducted at the UCLA General Clinical Research Center (GCRC); Protocols #1593, 1605, and 1611. Financial support in addition to the access to the GCRC facilities, laboratory, and nursing staff

Role: PI TDC \$50,000 Project Period: 7/1/2009-6/30/2012

Faculty Research Grant UCLA Academic Senate

Pharmacogenetics of naltrexone in Asian Americans

The purpose of this study is to extend findings of naltrexone pharmacogenetics in Caucasian samples to individuals of Asian descent.

Role: PI TDC \$10,000 Project Period: 7/1/2009-6/30/2010

NIAAA R21 AA017273-01 Miranda (PI)

Mechanisms of naltrexone's action on drinking in adolescents

The purpose of this study is to improve our understanding of the efficacy and mechanisms of naltrexone for adolescents with alcohol dependence.

Role: Co-I TDC \$10,000 Project Period: 7/1/2008-6/30/2010

NIAAA T32 AA007459-20 Spirito (PI) 7/01/2007-6/30/2008

Research Training in Alcohol Treatment and Early Intervention Research

The purpose of this postdoctoral grant is to train PhD and MD postdoctoral fellows to carry out independent research in the field of alcohol research. Role: Postdoctoral Research Fellow

NIAAA F31 AA014847 Ray (PI) 4/30/2004-3/30/2007

Genetic Correlates of Alcohol Use Disorders

This NRSA provided training in state of the art methods in genetic association studies and alcohol endophenotypes, including interdisciplinary training through the Institute for Behavioral Genetics at the University of Colorado at Boulder.

Training grants to Dr. Ray's graduate students and post-doctoral fellows

NIAAA F32 AA027699 Grodin (PI)

Elucidating the effects of neuroimmune modulation on neural substrates of alcohol cue and stress reactivity

This study will investigate the effect of a novel pharmacotherapy on the neural response to alcohol cues and psychosocial stress in treatment-seeking individuals with alcohol use disorder.

Role: Sponsor TDC: \$ 117,692 Project Period: 7/01/2019-6/30/2021

Postdoctoral Fellowship Award T29DT0371 Lim (PI)

California Tobacco-Related Disease Research Program – Dynamic functional connectivity among heavy drinking smokers

Role: Sponsor TDC: \$45,058 Project Period: 4/01/2019-3/30/2020

Postdoctoral Fellowship Award T30DT0950 Green (PI)

California Tobacco-related Disease Research Program – Mediators and moderators of combined varenicline and naltrexone for smoking cessation

Role: Sponsor TDC: \$90,116 Project Period: 7/01/2019-6/30/2021

NIAAA K01 AA026005 Roche (PI)

Development of minocycline as a neuroimmune therapy for alcohol use disorder

Role: Sponsor TDC: \$935,820 Project Period: 9/15/2017-8/31/2022

NIAAA F32 AA023449 Yardley (PI)

Clinical assessment of ivermectin as a therapeutic agent to reduce alcohol intake

<u>Role:</u> Sponsor	TDC: \$49,850	Project Period: 8/19/2014-8/18/2016
Postdoctoral Fellowship Award 309161		Roche (PI)
California Tobacco-related Disease Research Program - Effects of varenicline in heavy drinking smokers		
<u>Role:</u> Sponsor	TDC: \$145,000	Project Period: 8/01/2014-7/31/2017
NIDA	F31 DA035604	Courtney (PI)
The effects of naltrexone on neural responses to methamphetamine cues.		
<u>Role:</u> Sponsor	TDC \$47,000	Project Period: 10/01/2013-9/30/2015
NIAAA	F31 AA022569	Bujarski (PI)
The interplay between subjective response and self-administration of alcohol in the human laboratory.		
<u>Role:</u> Sponsor	TDC \$47,000	Project Period: 4/01/2014-3/30/2016

PUBLICATIONS

Citations: 7920, H-index: 43 (Google Scholar, accessed August 2020)

Peer-Reviewed Publications

1. **Ray, L.A.**, & Hutchison, K. E. (2004). A polymorphism of the μ -opioid receptor gene (OPRM1) and sensitivity to the effects of alcohol in humans. Alcoholism Clinical and Experimental Research, *28*, 1789-1795.
2. Fromme, K., de Witt, H., Hutchison, K.E., **Ray, L.A.**, Corbin, W.R., Cook, T.A., & Wall, T.L. (2004). Biological and behavioral markers of alcohol sensitivity. Alcoholism Clinical and Experimental Research, *28*(2), 247-256.
3. Hines, L., **Ray, L.A.**, Hutchison, K.E., & Tabakoff, B. (2005). Alcoholism: The dissection for endophenotypes. Dialogues in Clinical Neuroscience, *7*(3), 153-163.
4. Hutchison, K.E., **Ray, L.A.**, Sandman, E., Rutter, M.C., Peters, A., & Swift, R. (2006). The effect of olanzapine on craving and alcohol consumption. Neuropsychopharmacology, *31*, 1310-1317.
5. **Ray, L.A.**, McGeary, J., Marshall, E., & Hutchison, K.E. (2006). Risk factors for alcohol misuse: Examining heart rate response to alcohol, alcohol sensitivity, and personality constructs. Addictive Behaviors, *31*(11), 1959-1973.
6. **Ray, L.A.**, Hutchison, K.E., & Bryan, A. (2006). Psychosocial predictors of treatment outcome, dropout, and change processes in a pharmacological clinical trial for alcohol dependence. Addictive Disorders and Their Treatment, *5*(4), 179-190.
7. Bryan, A., **Ray, L.A.**, & Cooper, M.L. (2007). Alcohol use and protective sexual behaviors among high-risk adolescents: A prospective analysis. Journal of Studies on Alcohol and Drugs, *68*(3), 327-335.
8. **Ray, L.A.**, Meskew-Stacer, S., & Hutchison, K.E. (2007). The relationship between prospective self-rating of alcohol sensitivity and craving and experimental results from two alcohol challenge studies. Journal of Studies on Alcohol and Drugs, *68*(3), 379-384.
9. **Ray, L.A.**, Rhee, S.H., Stallings, M.S., Knopik, V., & Hutchison, K.E. (2007). Examining the heritability of a laboratory-based smoking endophenotype: Initial Results from an experimental twin study. Twin Research and Human Genetics, *10*(4), 546-553.
10. **Ray, L.A.**, Miranda, R. Jr., Kahler, C.M., Leventhal, A.M., Monti, P.M., Swift, R., & Hutchison, K.E. (2007). Pharmacological effects of naltrexone and intravenous alcohol on craving for cigarettes: A pilot study. Psychopharmacology, *193*(4), 449-456.
11. **Ray, L.A.**, & Hutchison, K.E. (2007). Effects of naltrexone on alcohol sensitivity and genetic moderators of medication response: A double-blind placebo-controlled study. Archives of General Psychiatry, *64*(9), 1069-1077.
12. **Ray, L.A.**, MacKillop, J., & Hutchison, K.E. (2007). Pharmacogenetics of the μ -opioid receptor and the treatment of addictions. Personalized Medicine, *4*(2), 217-220.

13. Miranda, R. Jr., Rohsenow, D.J., Monti, P.M., Tidey, J., & **Ray, L.A.** (2008). Effects of repeated days of smoking cue-exposure on urge to smoke and physiological reactivity. *Addictive Behaviors*, *33*(2), 347-353.
14. Miranda, R. Jr., MacKillop J., Monti, P.M., Rohsenow, D.J., Tidey, J., Gwaltney, C., Swift, R., **Ray, L.A.**, & McGeary, J.E. (2008). Effects of topiramate on urge to drink and the subjective effects of alcohol consumption. *Alcoholism Clinical and Experimental Research*, *32*(3), 489-497.
15. Leventhal, A.M., Kahler, C.W., **Ray, L.A.**, Stone, K., & Zimmerman, M. (2008). Anhedonia and amotivation in psychiatric outpatients with fully remitted stimulant use disorder. *American Journal on Addictions*, *17*(3), 218-223.
16. **Ray, L.A.**, Miranda Jr., R., Young, D., Chelminski, I., & Zimmerman, M. (2008). Diagnostic orphans for alcohol use disorders in a treatment-seeking psychiatric sample. *Drug and Alcohol Dependence*, *96*(1-2), 187-191.
17. MacKillop, J., Murphy, J.G., **Ray, L.A.**, Eisenberg, D.T.A., Lisman, S.A., Lum, J.K., & Wilson, D.S. (2008). Further validation of the cigarette purchase task for assessing the relative reinforcing efficacy of nicotine in college smokers. *Experimental and Clinical Psychopharmacology*, *16*(1), 57-65.
18. **Ray, L.A.**, Kahler, C., Young, D., Chelminski, I., & Zimmerman, M. (2008). The factor structure and severity of DSM-IV alcohol abuse and dependence symptoms in psychiatric outpatients. *Journal of Studies on Alcohol and Drugs*, *69*(4), 496-499.
19. **Ray, L.A.**, Hutchison, K.E., MacKillop, J., Miranda, R. Jr., Audette, A., Swift, R., & Monti, P.M. (2008). Effects of naltrexone during the descending limb of the blood alcohol curve. *American Journal on Addictions*, *17*(4), 257-264.
20. Haughey, H.M., **Ray, L.A.**, Finan, P., Villanueva, R., Nicolescu, M., & Hutchison, K.E. (2008). The Human GABA_A Receptor alpha 2 Gene Moderates the Acute Effects of Alcohol and Brain mRNA Expression. *Genes, Brain, and Behavior*, *7*(4), 447-454.
21. Filbey, F., **Ray, L.A.**, Smolen, A., Claus, E., Audette, A., & Hutchison, K.E. (2009). Differential neural response to alcohol priming and alcohol taste cues is associated with DRD4 VNTR and OPRM1 genotype. *Alcoholism Clinical and Experimental Research*, *32*(7), 1113-1123.
22. **Ray, L.A.**, Bryan, A., MacKillop, J., McGeary, J., Hesterberg, K. & Hutchison, K.E. (2009). The Dopamine D4 receptor (DRD4) gene exon III polymorphism, problematic alcohol use, and novelty seeking: direct and mediated genetic effects. *Addiction Biology*, *14*(2), 238-244.
23. MacKillop, J., Murphy, J.G., Tidey, J., Kahler, C., **Ray, L.A.**, & Bickel, W. (2009). Latent structure of the facets of alcohol reinforcement from a behavioral economic demand curve. *Psychopharmacology*, *203*(1), 33-40.
24. **Ray, L.A.**, MacKillop, J., Leggio, L., Morgan, M., & Hutchison, K.E. (2009). Effects of naltrexone on cortisol levels in heavy drinkers. *Pharmacology, Biochemistry, and Behavior*, *91*, 489-494.
25. Leventhal, A.M., Kahler, C.W., **Ray, L.A.**, & Zimmerman, M. (2009). Refining the depression-nicotine dependence link: patterns of depressive symptoms in psychiatric outpatients with current, past, and no history of nicotine dependence. *Addictive Behaviors*, *34*(3), 297-303.
26. **Ray, L.A.**, Miranda, R., Jr., MacKillop, J., McGeary, J. E., Tidey, J. W., Rohsenow, D. J., Gwaltney, C. J., Swift, R. M., & Monti, P. M. (2009). A preliminary pharmacogenetic investigation of adverse events from topiramate in heavy drinkers. *Experimental and Clinical Psychopharmacology*, *17*, 122-9.
27. **Ray, L.A.**, Hutchison, K.E., Leventhal, A., Miranda, R. Jr., Francione, C., Young, D., Chelminski, I., & Zimmerman, M. (2009). Diagnosing alcohol abuse in alcohol dependent individuals: diagnostic and clinical implications. *Addictive Behaviors*, *34*, 587-92.
28. Magill, M., & **Ray, L.A.** (2009). Cognitive-behavioral treatment with adult alcohol and illicit drug users: a meta-analysis. *Journal of Studies on Alcohol and Drugs*, *70*, 516-27.
29. **Ray, L.A.**, & Hutchison, K.E. (2009). Associations among GABRG1, level of response to alcohol, and drinking behaviors. *Alcoholism Clinical and Experimental Research*, *33*(8), 1382-90.
30. Leggio, L., **Ray, L.A.**, Kenna, G., and Swift, R.M. (2009). Blood glucose level, alcohol heavy drinking, and alcohol craving during treatment for alcohol dependence: results from the Combined

- Pharmacotherapies and Behavioral Interventions for Alcohol Dependence (COMBINE) Study. Alcoholism Clinical and Experimental Research, *33*(9), 1539-44
31. Leventhal, A.M., Waters, A.J., Kahler, C.W., **Ray, L.A.**, & Sussman, S. (2009). Relations between anhedonia and smoking motivation. Nicotine & Tobacco Research, *11*(9), 1047-54.
 32. Witkiewitz, K., Holmes, A., **Ray, L.A.**, Murphy, J.G., Richardson, H.N., Chen, Y.-C., McDevitt-Murphy, M.E., Cruz, M.T., & Roberto, M. (2009). Young investigator award symposium. Alcohol, *43*, 499-508.
 33. Miranda, R., **Ray, L.A.**, Justus, A., Meyerson, L.A., Knopik, V.S., McGeary, J., & Monti, P.M. (2010). Influence of the OPRM1 gene on adolescent alcohol misuse: mechanisms and moderators. Alcoholism Clinical and Experimental Research, *34*(1), 1-11.
 34. **Ray, L.A.**, MacKillop, J., Leventhal, A., & Hutchison, K.E. (2009) Catching the alcohol buzz: an examination of the latent factor structure of subjective intoxication. Alcoholism Clinical and Experimental Research, *33*(12), 2154-2161.
 35. **Ray, L.A.**, & Oslin, D.W. (2009). Naltrexone for the treatment of alcohol dependence among African Americans: Results from the COMBINE Study. Drug and Alcohol Dependence, *105*(3), 256-258.
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148. Hartwell, E. & **Ray, L.A.** (2018). Relationship between tonic and phasic craving for alcohol. Addictive Behavior Reports, *7*, 71-74.
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165. Grodin, E.N., Lim, A.C., MacKillop, J., Karno, M.P., & **Ray, L.A.** (2019). An examination of motivation to change and neural alcohol cue reactivity following a brief intervention. Frontiers in Psychiatry, *10*, 408.
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184. Green, R., MacKillop, J., Hartwell, E., Lim, A. Baskerville, W., Karno, M., & **Ray, L.A.** (in press). Behavioral economic demand for alcohol and cigarettes in heavy drinking smokers: Evidence of asymmetric cross-commodity reinforcing value. Nicotine & Tobacco Research.
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193. Grodin, E.N., Montoya, A.K., Bujarski, S., & **Ray, L.A.** (in press). Modeling motivation for alcohol in humans using traditional and machine learning approaches. Addiction Biology.
194. Bello, M.S., Liautaud, M.M., DeLaCerde, J.T., Pang, R.D., **Ray, L.A.**, Ahluwalia, J.S., & Leventhal, A.M. (in press). Association of Frequency of Perceived Exposure to Discrimination with Tobacco Withdrawal Symptoms and Smoking Lapse Behavior in African Americans. Addiction.

195. Meredith, L.R., Lim, A.C., & **Ray, L.A.** (in press). Neurocognitive performance in alcohol use disorder using the NIH toolbox: Role of severity and sex differences. Drug and Alcohol Dependence.
196. Grodin, E.N., Green, R., & **Ray, L.A.** (in press). An exploratory factor analysis of the stimulant, sedative, and affective responses to alcohol. Alcoholism: Clinical & Experimental Research.

Peer-Reviewed Commentaries & Editorials

1. Hutchison, K.E. & **Ray, L.A.** (2011). New approaches to identifying rare genetic variants associated with nicotine dependence. Biological Psychiatry, 70(6), 500-1.
2. **Ray, L.A.** (2015). A matter of outlook. Alcoholism: Clinical and Experimental Research, 39(4), 590.
3. **Ray, L.A.** & Bujarski, S.E. (2015). Mechanisms of topiramate effects: Refining medications development for alcoholism. Addiction Biology.
4. **Ray, L.A.**, Lim, A.C., & Shoptaw, S. (2019). What defines a clinically meaningful outcome in the treatment of substance use disorders: 'Getting your life back.' Addiction, 114(1), 18-20.

Books Edited

1. MacKillop, J., Kenna, G.A., Leggio, L., & **Ray, L.A.** (Eds.). (2017). Integrating Psychological and Pharmacological Treatments for Addictive Disorders: An Evidence-Based Guide. Routledge.

Book Chapters

1. **Ray, L.A.**, Hutchison, K.E., & Hauser, M. (2008). Alcohol use disorders: history, theory, and diagnosis. In W.E. Craighead, D.J. Miklowitz, & L.C. Craighead (Eds.). *Psychopathology: History, Diagnosis, and Empirical Foundations* (pp. 495-523). John Wiley and Sons.
2. **Ray, L.A.** & Hutchison, K.E. (2009). Genetics of addiction. In L.M. Cohen, F.L. Collins, A. Young, D.E. McCheargue, T.R. Leffingwell, & K.L. Cook (Eds.). *The Pharmacology and Treatment of Substance Abuse: Evidence and Outcomes Based Perspectives* (pp. 109-126). Routledge.
3. MacKillop, J., McGeary, J.E., **Ray, L.A.** (2010). Genetic influences on addiction: Alcoholism as an exemplar. In D. Ross, P. Collins, & D. Spurrett (Eds.). *What is Addiction?* (pp. 53-98). MIT Press.
4. **Ray, L.A.** & Hutchison, K.E. (2010). Molecular genetics and the treatment of addiction. In B. Johnson (Ed.). *Addiction Medicine: Science and Practice, First Edition* (pp. 1101-1114). Springer.
5. MacKillop, J., Amlung, M.T., Murphy, C.M., Acker, J. & **Ray, L.A.** (2011). A Behavioral Economic Approach to Health Behavior. In: R. DiClemente, L.F. Salazar, and R.A. Crosby (Eds.) *Health Behavior Theory for Public Health: Principles, Foundations, and Applications* (pp. 131-161). Jones and Bartlett Publishers, LLC.
6. Monti, P.M. & **Ray, L.A.** (2012). The study of craving and its role in addiction. In K. D. Brownell & M.S. Gold (Eds.). *Food and Addiction* (pp. 53-58). Oxford University Press.
7. **Ray, L. A.**, & Courtney, K. E. (2013). Addiction. In Hal Pashler (Ed.), *Encyclopedia of the Mind, (Vol. 1, pp. 8-11)*. Sage.
8. Miotto, K.M., Heydari, A., Tartter, M., Chang, E., Thomas, P.S., & **Ray, L.A.** (2013). Adolescent Alcohol Use, In R. Rosner (Ed.). *Clinical Handbook of Adolescent Addiction* (pp.179-189). Wiley-Blackwell.
9. **Ray, L.A.**, Courtney, K., Bacio, G., & MacKillop, J. (2013). Assessment of Craving in Addiction Research. In J. MacKillop and H. de Witt (Eds.). *The Wiley-Blackwell Handbook of Addiction Psychopharmacology* (pp. 345-380). Wiley-Blackwell.
10. **Ray, L.A.**, Courtney, K.E., & Bacio, G. (2013). Alcohol use disorders. In W.E. Craighead, D.J. Miklowitz, & L.C. Craighead (Eds.). *Psychopathology: History, Diagnosis, and Empirical Foundations, 2nd Edition* (pp. 550-582). John Wiley and Sons.
11. **Ray, L.A.** & Heilig, M. (2014). Subjective responses to alcohol: Implications to alcoholism etiology and treatment development, In J. MacKillop and M. Munafo (Eds.). *Genetic Influences on Addiction: An Intermediate Phenotype Approach* (pp. 97-120). Wiley-Blackwell.
12. **Ray, L.A.**, Courtney, K.E., Roche, D., & Miotto, K. (2015). Application of functional neuroimaging to the treatment of addiction: Focus on pharmacotherapies. In S.W. Feldstein-Ewing, K. Witkiewitz, & F.M.

Filbey (Eds.), *Neuroimaging and Psychosocial Addiction Treatment: An Integrative Guide for Researchers and Clinicians*. Palgrave.

13. MacKillop, J. & **Ray, L.A.** (2017). The etiology of addiction: A contemporary biopsychosocial approach. In J. MacKillop, G.A. Kenna, L. Leggio, & **L.A. Ray** (Eds.), *Integrating Psychological and Pharmacological Treatments for Addictive Disorders: An Evidence-Based Guide*. Routledge.
14. Yardley, M.M., Shoptaw, S.J., Heinzerling, K.G., & **Ray, L.A.** (2017). Addiction treatment in primary care. In J. MacKillop, G.A. Kenna, L. Leggio, & **L.A. Ray** (Eds.), *Integrating Psychological and Pharmacological Treatments for Addictive Disorders: An Evidence-Based Guide*. Routledge.
15. **Ray, L.A.**, Hartwell, E., Green, R.J., Venegas, A. (2019). State-of-the-art treatment of alcohol use disorder. In I. Danovitch & L.J. Mooney (Eds.), *The Assessment and Treatment of Addiction: Best Practices and New Frontiers* (pp. 123-135). Elsevier.
16. Miranda Jr., R., **Ray, L.A.**, O'Malley, S.S. (2019). The role of clinical human laboratory research in psychopharmacology. In S.M. Edwards & K.M. Carpenter (Eds.), *APA Handbook of Psychopharmacology* (pp. 87-107). American Psychological Association.

Manuscripts under Review or In Revision

1. **Ray, L.A.**, Green, R., Leventhal, A.M., Grodin, E., Enders, C., Li, G., Lim, A., Hartwell, E., Venegas, A., Meredith, L., Nieto, S., Shoptaw, S., & Miotto, K. Efficacy of combining varenicline and naltrexone for smoking cessation and drinking reduction: A randomized clinical trial.
2. **Ray, L.A.**, Du, H., Green, R., Roche, D.J.O., & Bujarski, S. Do behavioral pharmacology findings predict clinical trials outcomes? A proof-of-concept in medication development for alcohol use disorder.
3. **Ray, L.A.** & Grodin, E.N. Clinical neuroscience of addiction: What clinical psychologists need to know and why.
4. Grodin, E.N., Bujarski, S., Towns, B., Burnette, E., Nieto, S., Lim, A., Lin, J., Miotto, K., Gillis, A., Irwin, M.R., Evans, C., & **Ray, L.A.** A novel neuroimmune modulator reduces heavy drinking and alcohol cue-elicited neural activation.
5. Nieto, S., Grodin, E. Green, R., & **Ray, L.A.** Evaluation of the Addiction Neuroclinical Assessment (ANA) framework through deep phenotyping of problem drinkers.
6. Nieto, S., Green, R., MacKillop, J., & **Ray, L.A.** Intravenous alcohol administration selectively decreases elasticity of demand in individuals with alcohol use disorder.
7. Nieto, S.J., Green, R., Grodin, E.N., Cahill, C.M., & **Ray, L.A.** Pain catastrophizing predicts alcohol craving in heavy drinkers independent of pain intensity.
8. Meredith, L.R., Grodin, E.N., Karno, M.P., MacKillop, J., Lim, A.C., & **Ray, L.A.** Alcohol problem severity and response to brief intervention: A moderated mediation model.
9. Baskerville, W., Nieto, S.J., Ho, Diana, Towns, B., Grodin, E.N., Li, C., Burnette, E., Donato, S., **Ray, L.A.** Baseline drinking patterns in non-treatment seeking heavy drinkers.
10. Burnette, E., Grodin, E.N., Ghahremani, D.G., Galvan, A., Kohno, M., **Ray, L.A.**, & London, E.D. Neural substrates of risky decision making in alcohol use disorder.
11. Ho, D., Towns, B.T., Grodin, E.N., & **Ray, L.A.** A novel human laboratory model for screening medications for alcohol use disorder.
12. Leventhal, A.M., Conti, D.V., **Ray, L.A.**, Baurley, J.W., Bello, M.S., Cho, J., Zhang, Y. Pester, M., & Lebovitz, L., Budiarto, A., Mahesworo, B., & Pardamean, B. Genetic Associations with Tobacco Withdrawal in Non-Hispanic African American Smokers: A Behavioral Pharmacology Study.

TEACHING EXPERIENCE

Graduate Courses

- Psychology 270C: Clinical Psychology Foundations, Addiction Module
- Psychology 298: Evidence-based Psychological Treatments for Adult Psychopathology
- Psychology 298: Grant Writing in Psychological Science
- Psychology 298: Biological Factors in Behavior

Psychology 403: Detection and Treatment of Alcohol and Chemical Substance Dependency
 Psychology 401: Clinical Supervision, Psychotherapy Practicum
 Psychology 401: Clinical Supervision, Assessment Practicum

Undergraduate Courses

Psychology 162: Psychology of Addiction (Hybrid course: Online/in-person format)
 Psychology 127B: Abnormal Psychology, Biological Bases
 Psychology 162: Psychology of Addiction
 Psychology 189: Honors section for Psychology of Addiction
 Psychology 10: Introduction to Psychology

CLINICAL EXPERIENCE

July 2009-June 2016 **Co-Director and Clinical Supervisor**, Behavioral Medicine and Addiction Clinic at the UCLA Family Health Center, UCLA Department of Family Medicine

July 2007-June 2008 **Postdoctoral Fellow**
 Center for Alcohol and Addiction Studies, Brown University Medical School, Providence, Rhode Island

July 2007-June 2008 **Volunteer Psychologist**
 Rhode Island Free Clinic, Providence, Rhode Island
 Responsible for providing mental health services to multicultural and economically underserved population; clinical services also provided in Spanish and Portuguese.

July 2007-June 2008 **Supervised Private Practice**
 Butler Hospital Campus, Providence, Rhode Island

Jul 2006-Jun 2007 **Clinical Psychology Intern, Adult Track**
 Brown University Medical School, Department of Psychiatry and Human Behavior, Providence, Rhode Island
Rotations: Butler Partial Hospital Program; VA Medical Center Alcohol and Drug Treatment Program; Rhode Island Hospital Sleep and Anxiety Disorders Clinic; Butler Outpatient Clinic.

PROFESSIONAL ACTIVITIES

Grant Reviewing

NIAAA, AA-3, Clinical, Treatment, and Health Services Research Committee, standing member (2013-2019)
 NIAAA, AA-2, Epidemiology, Prevention, and Behavior Research, ad hoc (2012)
 NIAAA, Work Group for Alcohol Research Centers, ZAA1 GG (60) (2012)
 NIAAA Special Emphasis Panel, ZAA1 DD(03) (2011)
 VA SPLC/Genetics CSSEC Review Panel (2011)
 Belgium Science Policy Office, ad hoc (2011)

Editing and Reviewing

Addiction, *Associate Editor*
 Alcohol & Alcoholism, *Associate Editor*
 Clinical Psychology Science and Practice, *Associate Editor*
 American Journal of Drug and Alcohol Abuse, *Associate Editor*
 Psychology of Addictive Behaviors, *Review Editor*
 Alcoholism: Clinical and Experimental Research, *Field Editor (2015-2019)*

Professional Affiliations

American College of Neuropsychopharmacology (ACNP, associate member)

American Psychological Association (APA)
 Society of Addiction Psychology, APA (Div. 50)
 Society of Clinical Psychology, APA (Div. 12)
 Research Society on Alcoholism (RSA)

Professional Committees

2019 Faculty Review Committee, UCLA Graduate Summer Research Mentorship
2019 Conference Program Committee, Research Society on Alcoholism (RSA)
2018- Search Committee (Chair), Mood disorders search, UCLA Psychology Department
2018- Merit Review Committee, UCLA Psychology Department
2018- Executive Committee (alternate), UCLA Psychology Department
2018- Undergraduate Studies Committee, UCLA Psychology Department
2016- Graduate Awards Committee, UCLA Psychology Department
2013- Monica Salinas Scholarship Fund Committee, UCLA Psychology Department
2008- Graduate Studies Committee, UCLA Psychology Department
2008- Diversity Committee, UCLA Psychology Department
2008- Admissions Committee, Clinical Psychology, UCLA Psychology Department
2016-2017 Placements Committee (Chair), UCLA Psychology Department, Clinical Area
2015-2017 Executive Committee (alternate), UCLA Psychology Department
2016-2017 Merit Review Committee (alternate), UCLA Psychology Department
2016 Chair, Program Committee, APA Division 50, Society for Addiction Psychology
2013-2014 Co-Chair, Clinic and Placements Committee, UCLA Psychology Department
2013-2017 Elected Board Member, Research Society on Alcoholism (RSA)
2013-2017 Scientific Advisory Committee, UCLA Clinical and Translational Science Institute
2012-2013 Search Committee, Staglin Chair, UCLA Psychology Department
2012 Conference Program Committee, Research Society on Alcoholism (RSA)
2011-2014 Education Committee, Research Society on Alcoholism (RSA)
2011 Search Committee, Eleanor Leslie Term Chair, UCLA Brain Research Institute
2010-2014 Awards Committee, UCLA Brain Research Institute
2009-2011 Search Committee, UCLA Learning and Behavior Area
2009-2014 Clinic Committee, UCLA Clinical Psychology Area
2006-2007 Internship Admissions Committee, Department of Psychiatry, Brown University

UCLA Thesis and Dissertation Committees

2019- Chair, dissertation committee, *ReJoyce Green*, Clinical Psychology
2019- Chair, dissertation committee, *Aaron Lim*, Clinical Psychology
2018-2019 Chair, thesis committee, *Lindsay Meredith*, Clinical Psychology
2017-2018 Thesis committee, *Claudia Aguirre*, Behavioral Neuroscience
2017-2018 Chair, thesis committee, *Alexandra Venegas*, Clinical Psychology
2016-2017 Chair, thesis committee, *ReJoyce Green*, Clinical Psychology
2015-2016 Chair, thesis committee, *Aaron Lim*, Clinical Psychology
2017-2018 Dissertation committee, *Helene Chokron Garneau*, Public Health
2017-2018 Dissertation committee, *Jenna Cummings*, Health Psychology
2017-2019 Dissertation committee, *Evan Hart*, Behavioral Neuroscience
2016-2017 Chair, dissertation committee, *Emily Hartwell*, Clinical Psychology
2015-2017 Chair, dissertation committee, *Spencer Bujarski*, Clinical Psychology
2014-2016 Chair, dissertation committee, *Kelly Courtney*, Clinical Psychology
2014-2016 Chair, dissertation committee, *Nathasha Moallem*, Clinical Psychology
2014-2016 Chair, dissertation committee, *Vincent Allen*, Clinical Psychology
2013-2014 Chair, thesis committee, *Emily Hartwell*, Clinical Psychology
2012-2014 Chair, dissertation committee, *Guadalupe Bacio*, Clinical Psychology

2012-2014	Dissertation committee, <i>Betty Liao</i> , Clinical Psychology
2012-2013	Dissertation committee, <i>Rachel Higier</i> , Clinical Psychology
2012-2014	Dissertation committee, <i>Tristen Inagaki</i> , Social Psychology
2012-2013	Thesis committee, <i>Carolyn Davies</i> , Clinical Psychology
2011-2012	Chair, thesis committee, <i>Spencer Bujarski</i> , Clinical Psychology
2010-2011	Chair, thesis committee, <i>Kelly Courtney</i> , Clinical Psychology
2010-2011	Chair, thesis committee, <i>Nathasha Moallem</i> , Clinical Psychology
2009-2013	Co-Chair, dissertation committee, <i>James Ashenhurst</i> , BRI Neuroscience Program
2011-2013	Dissertation committee, <i>Angie Morales</i> , Interdepartmental Neuroscience Program
2011-2013	Dissertation committee, <i>Amy Jimenez</i> , Clinical Psychology
2011-2013	Dissertation committee, <i>Stephanie Groman</i> , Behavioral Neuroscience
2011-2012	Dissertation committee, <i>Chris Conway</i> , Clinical Psychology
2009-2010	Chair, thesis committee, <i>Molly Tartter</i> Clinical Psychology
2010-2011	Dissertation committee, <i>Evan Lutkenhoff</i> , Interdepartmental Neuroscience Program
2009-2010	Thesis committee, <i>Alex Zvinyatskovskiy</i> , Clinical Psychology
2008-2009	Thesis committee, <i>Kate Humphreys</i> , Clinical Psychology
2009-2011	Dissertation committee, <i>Rick Laughlin</i> , Behavioral Neuroscience
2009-2011	Dissertation committee, <i>Rachael Willhite-Viehman</i> , Clinical Psychology
2009-2011	Dissertation committee, <i>Caitlin Ferriter</i> , Clinical Psychology

Professional Activities Related to Diversity

Summer 2019	Research Mentor , HBCU-UCLA Neuroscience Pathways summer research
2018-19	Research Mentor , PROPS, UCLA Psychology Department
2017-18	Research Mentor , PROPS, UCLA Psychology Department
2016-17	Research Mentor , Undergraduate Research Fellowship Program, UCLA Undergraduate Research Centers
2016-17	Research Mentor , PROPS, UCLA Psychology Department
2014-15	Research Mentor , PROPS, UCLA Psychology Department
2013	Research Mentor , UCLA Brain Research Institute Summer Undergraduate Research Experience (BRI-SURE)
2013	Research Mentor , NIDA Summer Research Program
2012	Research Mentor , NIDA Summer Research Program
2011	Research Mentor , NIDA Summer Research Program
2010	Research Mentor , UCLA Summer Programs for Research (SPUR/GR)
2009	Research Mentor , Alliance for Graduate Education and the Professoriate (AGEP)
2003 – 2004	Doctoral Mentor , McNair Research Program, University of Colorado, Boulder
2003	Doctoral Mentor , Multicultural Access to Research Training, CU Boulder
2003	Society for the Advancement of Chicanos and Native Americans in Science
2003	The Leadership Alliance Symposium , Chantilly, Virginia.

Languages Spoken

Portuguese
Spanish