

CURRICULUM VITAE

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ACADEMIC APPOINTMENTS

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 <u>Specialty:</u> 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
Dissertation Title: *A double-blind placebo controlled study of the effects of naltrexone on alcohol sensitivity and genetic moderators of medication response*
- 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
Thesis Title: *A polymorphism of the μ -opioid receptor gene (OPRM1) and sensitivity to the effects of alcohol in humans*
- Aug 2001** **Bachelor of Arts, Psychology, with honors**
San Diego State University, San Diego, CA

HONORS AND AWARDS

- 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** Winter Conference on Brain Research, **Travel Fellowship**
- 2008** First place winner of the **Early Career Presentation Award**, American Psychological Association, Division 50 (Addictions)
- 2008** **Young Investigator Award**, NIAAA-sponsored Conference on Alcoholism and Stress: A framework for Future Treatment Strategies. Volterra, Italy
- 2008** **Young Investigator Merit Award**, Research Society on Alcoholism Conference.
- 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** Recipient of the **Enoch Gordis Research Award**, Research Society on Alcoholism
- 2007** **Student Merit Award**, Research Society on Alcoholism Conference
- 2006** **Student Merit Award**, Research Society on Alcoholism Conference
- 2005** Finalist for the **Enoch Gordis Research Award**, Research Society on Alcoholism
- 2005** **Student Merit Award**, Research Society on Alcoholism Conference

- ## PROFESSIONAL LICENSES

- ## GRANT FUNDING

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: 9/1/2015-5/31/2018

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)

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 (application received a priority score of 13)
Role: Co-I TDC \$313,147 Project Period: 10/1/2017-8/30/2019

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

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

Completed Research Support

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

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 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.

Dissertation Grant Ray (PI) 2005
Leadership Alliance/Schering-Plough Fellowship
A polymorphism of the μ -opioid receptor gene (OPRM1) and the effects of naltrexone on subjective responses to alcohol

Research Grant Ray (PI) 2003
Beverly Sears Graduate Student Grant Award
A polymorphism of the μ -opioid receptor gene (OPRM1) and sensitivity to the effects of alcohol in humans

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

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
Role: 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
Role: 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
Role: 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.
Role: Sponsor TDC \$47,000 Project Period: 4/01/2014-3/30/2016

PUBLICATIONS

Citations: 5634, H-index: 39 (Google Scholar, accessed 8/28/18)

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.
 36. **Ray, L.A.**, Capone, C., Sheets, E., Young, D., Chelminski, I., & Zimmerman, M. (2009). Posttraumatic stress disorder with and without alcohol use disorders: diagnostic and clinical correlates in a psychiatric sample. Psychiatry Research, 170 (2-3), 278-281.
 37. MacKillop, J., Miranda, R., Jr., Monti, P. M., **Ray, L. A.**, Murphy, J.G., Rohsenow, D. J., McGeary, J. E., Swift, R. M., Tidey, J. W., & Gwaltney, C. J. (2010) Alcohol demand, delayed reward discounting, and craving in relation to drinking and alcohol use disorders. Journal of Abnormal Psychology, 119 (1), 106-114.
 38. **Ray, L.A.**, Miranda Jr., R., Tidey, J.W., McGeary, J.E., MacKillop, J., Gwaltney, C.J., Rohsenow, D.J., Swift, R.M., & Monti, P.M. (2010). Polymorphisms of the μ -opioid receptor and dopamine D₄ receptor genes and subjective responses to alcohol in the natural environment. Journal of Abnormal Psychology, 119(1), 115-125.
 39. **Ray, L.A.**, Chin, P.F., & Miotto, K. (2010). Naltrexone for the treatment of alcoholism: clinical findings, mechanisms of action, and pharmacogenetics. CNS & Neurological Disorders – Drug Targets, 9(1), 13-22.
 40. **Ray, L.A.**, MacKillop, J., & Monti, P. (2010). Subjective responses to alcohol consumption as endophenotypes: advancing genetics into etiological and treatment models of alcoholism. Subst Use Misuse, 45(11), 1742-1765.
 41. **Ray, L.A.**, Hutchison, K.E., & Tartter, M. (2010). Application of human laboratory models to pharmacotherapy development for alcohol dependence. Curr Pharm Des, 16(19), 2149-2158.
 42. **Ray, L.A.**, Heydari, A., & Zorick, T. (2010). Quetiapine for the treatment of alcoholism: scientific rationale and review of the literature. Drug and Alcohol Review, 29(5), 568-575.
 43. MacKillop, J., O'Hagen, S., Lisman, S.A., Murphy, J.G., **Ray, L.A.**, McGeary, J.E., Tidey, J.W., & Monti, P.E. (2010). Behavioral economic analysis of cue-elicited craving for alcohol. Addiction, 105(9), 1599-607.
 44. **Ray, L.A.**, Hutchison, K.E., Ashenhurst, J., & Morrow, A.L. (2010). Naltrexone selectively elevates GABAergic neurosteroid levels in heavy drinkers with the Asp40 allele of the OPRM1 gene: a pilot investigation. Alcoholism Clinical and Experimental Research, 34(8), 1479-1487.
 45. **Ray, L.A.**, Krull, J.L., Leggio, L. (2010). The effects of naltrexone among alcohol non-abstainers: Results from the COMBINE Study. Frontiers in Psychiatry, 10:3389.
 46. Leventhal, A., Brightman, M., Ameringer, K.J., Greenberg, J., Mickens, L., **Ray, L.A.**, & Sussman, S. (2010). Anhedonia associated with stimulant use and dependence in a population-based sample of American adults. Experimental and Clinical Psychopharmacology, 18(6), 562-569.
 47. **Ray, L.A.** (2011). Stress-induced and cue-induced craving for alcohol in heavy drinkers: Preliminary evidence of genetic moderation by the OPRM1 and CRH-BP Genes. Alcoholism Clinical and Experimental Research, 35(1), 166-174.
 48. **Ray, L.A.**, Hart, E., Chin, P.F. (2011). Self-rating of the effects of alcohol (SRE): Predictive utility and reliability across interview and self-report administrations. Addictive Behaviors, 36(3), 241-3.

49. **Ray, L.A.** Primack, J., Young, D., Chelminski, I., & Zimmerman, M. (2011). Treatment seeking men with and without substance use disorders. Psychology of Men and Masculinity, 12(2), 158-165.
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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., & Venegas, A. (2018). State-of-the-art treatment of alcohol use disorders. In: I. Danovich & L. Mooney (Eds.). *The Assessment and Treatment of Addiction: Best Practices and New Frontiers*. Elsevier – Health Science

Manuscripts Under Review or In Revision

1. **Ray, L.A.**, Green, R., Grodin, E., Lim, A.C., Venegas, A., & Bujarski, S. The interplay between subjective response to alcohol, craving, and alcohol self-administration in the human laboratory.
2. **Ray, L.A.**, Green, R., Roche, D.J.L., Magill, M., & Bujarski, S. Naltrexone effects on subjective responses to alcohol: A systematic review and meta-analysis.
3. Roche, D.J.O., Bujarski, S., Green, R. Hartwell, E., Leventhal, A., & **Ray, L.A.** Alcohol, tobacco, and marijuana consumption is associated with increased odds of same-day substance co- and tri-use.
4. Shapiro, J., Cortland, C., Guzman, I., & **Ray, L.A.** The ironic effects of stigmatizing smoking: Combining stereotype threat theory with behavioral pharmacology.
5. Grodin, E., Courtney, K., & **Ray, L.A.** Drug-induced craving for methamphetamine is associated with neural methamphetamine cue reactivity.
6. Grodin, E.N., Nguyen, X., Ho, D., Bujarski, S., & **Ray, L.A.** Sensitivity and specificity of a commercial urinary ethyl glucuronide (EtG) test in heavy drinkers.
7. Hartwell, E., Bujarski, S., Green, R., & **Ray, L.A.** Convergence between the Penn Alcohol Craving Scale and diagnostic interview for the assessment of alcohol craving.
8. Green, R., Bujarski, S., Lim, A.C., Venegas, A., & **Ray, L.A.** Naltrexone and alcohol effects on craving for cigarettes in heavy drinking smokers.

9. Lim, A., Ghahremani, D., Grodin, E., Green, R., Bujarski, S., Hartwell, E., Courtney, K., Hutchison, K.E., Miotto, K., & **Ray, L.A.** Neuroimaging findings from an experimental pharmacology trial of naltrexone in heavy drinkers of East Asian descent.

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 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

July 2006-June 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 Subcommittee, appointed standing member, 2013-2017
 NIAAA Special Emphasis Panel, ZAA1 DD(03) , June 2011
 NIAAA, AA-2, Epidemiology, Prevention, and Behavior Research, ad hoc, March 2012
 NIAAA, Work Group for Alcohol Research Centers, ZAA1 GG (60), July 2012
 VA SPLC/Genetics CSSEC Review Panel, December 2011
 Belgium Science Policy Office, ad hoc, October 2011

Expert Panels

Member, Consensus Panel on New Pharmacotherapies for Alcohol Use Disorders and Related Comorbidities; *Chair* of subgroup on New Pharmacotherapies for Adults. Meeting of the Substance Abuse and Mental Health Services Administration (SAMHSA) and National Institute on Alcohol Abuse and Alcoholism (NIAAA), Rockville, MD. (2012).

Presenter, Alcoholism treatment: current evidence and future targets. Alcohol Across the Lifespan: What Physicians Need to Know. Università La Sapienza, Roma and National Institute on Alcohol Abuse and Alcoholism (NIAAA), Rome, Italy. (2011).

Presenter, Poland and U.S. collaborative research meeting on alcoholism. National Institute on Alcohol Abuse and Alcoholism (NIAAA), San Francisco, CA. (2012).

Editing and Reviewing

Alcoholism: Clinical and Experimental Research, *Field 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*

Ad hoc reviewer for:

Addictive Behaviors; Addiction; Addiction Biology; Alcohol & Alcoholism; Alcohol Research & Health; Alcoholism: Clinical and Experimental Research; American Journal of Medical Genetics; Neuropsychiatric Genetics; Archives of General Psychiatry; Behavior Therapy; Behavioral and Brain Functions; Biological Psychology; Clinical Psychology Review; Current Drug Abuse Reviews; Current Pharmaceutical Design; Developmental Cognitive Neuroscience; Drug and Alcohol Dependence; Drug and Alcohol Review; Genes, Brain, and Behavior; International Journal of Neuropsychopharmacology; International Journal of Psychiatry in Medicine; Journal of Clinical Psychology; Journal of Clinical Psychopharmacology; Journal of Studies on Alcohol and Drugs; Nature Reviews Neuroscience, Neuroscience Letters; Nicotine & Tobacco Research; Psychiatry Research; Psychological Science; Psychology of Addictive Behaviors; Psychopharmacology; Psychoneuroendocrinology; The Pharmacogenomics Journal

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

2016-2017 **Placements Committee (Chair)**, UCLA Psychology Department, Clinical Area

2015-2017 **Executive Committee (alternate)**, UCLA Psychology Department

2016- **Graduate Awards Committee**, 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- **Monica Salinas Scholarship Fund Committee**, UCLA Psychology Department

2013-2017	Scientific Advisory Committee , UCLA Clinical and Translational Science Institute (CTSI)
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
2008-present	Graduate Studies Committee , UCLA Psychology Department
2008-present	Diversity Committee , UCLA Psychology Department
2008-present	Admissions Committee , Clinical Psychology, UCLA Psychology Department
2006-2007	Intern Representative , Admissions Committee, Department of Psychiatry and Human Behavior, Brown Medical School

UCLA Thesis and Dissertation Committees

2016-	Chair, thesis committee, <i>ReJoyce Green</i> , Clinical Psychology
2017-	Dissertation committee, <i>Helene Chokron Garneau</i> , Public Health
2017-	Dissertation committee, <i>Jenna Cummings</i> , Health Psychology
2017-	Dissertation committee, <i>Evan Hart</i> , Behavioral Neuroscience
2016-2017	Chair, dissertation committee, <i>Emily Hartwell</i> , Clinical Psychology
2015-2017	Chair, dissertation committee, <i>Spencer Bujarski</i> , Clinical Psychology
2014-2016	Chair, dissertation committee, <i>Kelly Courtney</i> , Clinical Psychology
2014-2016	Chair, dissertation committee, <i>Nathasha Moallem</i> , Clinical Psychology
2014-2016	Chair, dissertation committee, <i>Vincent Allen</i> , Clinical Psychology
2013-2014	Chair, thesis committee, <i>Emily Hartwell</i> , Clinical Psychology
2012-2014	Chair, dissertation committee, <i>Guadalupe Bacio</i> , 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

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**, Summer Programs for Undergraduate & Graduate Research (SPUR/GR) *at UCLA*
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 **Meeting of the Society for the Advancement of Chicanos and Native Americans in Science**, Albuquerque, New Mexico
2003 **The Leadership Alliance Symposium**, Chantilly, Virginia.

Languages Spoken

Portuguese
Spanish