

Curriculum Vitae
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PROFESSIONAL EXPERIENCE

- 2026- **Assistant Professor**, Department of Psychology, Arizona State University
- 2023 – 2026 **Adjunct Assistant Professor**, Department of Psychiatry, University of California, Los Angeles
- 2023 - 2026 **Faculty Member**, Brain Research Institute, University of California Los Angeles
- 2023 - 2026 **Faculty Member**, Cousins Center for Psychoneuroimmunology, University of California Los Angeles
- 2021 – 2023 **Associate Project Scientist**, Department of Psychology, University of California, Los Angeles, Addictions Laboratory, Mentor: Dr. Lara A. Ray
- 2018 – 2021 **Postdoctoral Scholar**, Department of Psychology, University of California, Los Angeles, Addictions Laboratory, Mentor: Dr. Lara A. Ray
- 2010 – 2012 **Postbaccalaureate Intermural Research Training Award Fellow**, National Institute on Alcohol Abuse and Alcoholism, Section on Brain Electrophysiology and Imaging, Mentor: Dr. Daniel Hommer

EDUCATION

- 2012 – 2018 **Doctor of Philosophy in Neuroscience**, Brown University and the National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism, Clinical Neuroimaging Research Core, Mentors: Dr. Vijay Ramchandani and Dr. Reza Momenan
- 2006-2010 **Bachelor of Arts in Psychology**, American University
Honors Research Thesis, Department of Psychology,
Psychopharmacology Lab, Mentor: Anthony Riley

PEER-REVIEWED PUBLICATIONS

Citations: 2,4275; H-index: 29 (Google Scholar, accessed March 2026)

1. **Grodin EN**, Lin H, Durkee CA, Hommer DW, Momenan R. Deficits in cortical, diencephalic and midbrain gray matter in alcoholism measured by VBM: Effects of co-morbid substance abuse. *Neuroimage Clin.* 2013 Apr 1;2:469-76. doi: 10.1016/j.nicl.2013.03.013. PMID: 24179800; PMCID: PMC3777684.
2. **Grodin EN**, White TL. The neuroanatomical delineation of agentic and affiliative extraversion. *Cogn Affect Behav Neurosci.* 2015 Jun;15(2):321-34. doi: 10.3758/s13415-014-0331-6. PMID: 25712871; PMCID: PMC4825324.

3. **Grodin EN**, Momenan R. Decreased subcortical volumes in alcohol dependent individuals: effect of polysubstance use disorder. *Addict Biol.* 2017 Sep;22(5):1426-1437. doi: 10.1111/adb.12421. Epub 2016 Jun 23. PMID: 27334243; PMCID: PMC5182196.
4. **Grodin EN**, Steckler LE, Momenan R. Altered Striatal Response During Effort-Based Valuation and Motivation in Alcohol-Dependent Individuals. *Alcohol Alcohol.* 2016 Nov;51(6):638-646. doi: 10.1093/alcalc/agw003. Epub 2016 Feb 17. PMID: 26893259; PMCID: PMC5091291.
5. Kwako LE, Momenan R, **Grodin EN**, Litten RZ, Koob GF, Goldman D. Addictions Neuroclinical Assessment: A reverse translational approach. *Neuropharmacology.* 2017 Aug 1;122:254-264. doi: 10.1016/j.neuropharm.2017.03.006. Epub 2017 Mar 7. PMID: 28283392; PMCID: PMC5569299.
6. **Grodin EN**, Cortes CR, Spagnolo PA, Momenan R. Structural deficits in salience network regions are associated with increased impulsivity and compulsivity in alcohol dependence. *Drug Alcohol Depend.* 2017 Oct 1;179:100-108. doi: 10.1016/j.drugalcdep.2017.06.014. Epub 2017 Jul 22. PMID: 28763777.
7. Cortes CR, **Grodin EN**, Mann CL, Mathur K, Kerich M, Zhu X, Schwandt M, Diazgranados N, George DT, Momenan R, Heilig M. Insula Sensitivity to Unfairness in Alcohol Use Disorder. *Alcohol Alcohol.* 2018 May 1;53(3):201-208. doi: 10.1093/alcalc/agx115. PMID: 29309499; PMCID: PMC6075077.
8. **Grodin EN**, Sussman L, Sundby K, Brennan GM, Diazgranados N, Heilig M, Momenan R. Neural Correlates of Compulsive Alcohol Seeking in Heavy Drinkers. *Biol Psychiatry Cogn Neurosci Neuroimaging.* 2018 Dec;3(12):1022-1031. doi: 10.1016/j.bpsc.2018.06.009. Epub 2018 Jul 9. PMID: 30143454.
9. Farokhnia M, **Grodin EN**, Lee MR, Oot EN, Blackburn AN, Stangl BL, Schwandt ML, Farinelli LA, Momenan R, Ramchandani VA, Leggio L. Exogenous ghrelin administration increases alcohol self-administration and modulates brain functional activity in heavy-drinking alcohol-dependent individuals. *Mol Psychiatry.* 2018 Oct;23(10):2029-2038. doi: 10.1038/mp.2017.226. Epub 2017 Nov 14. PMID: 29133954.
10. Ray LA, Bujarski S, **Grodin EN**, Hartwell E, Green R, Venegas A, Lim AC, Gillis A, Miotto K. State-of-the-art behavioral and pharmacological treatments for alcohol use disorder. *Am J Drug Alcohol Abuse.* 2019;45(2):124-140. doi: 10.1080/00952990.2018.1528265. Epub 2018 Oct 29. PMID: 30373394; PMCID: PMC6430676.
11. **Grodin EN**, Ray LA, MacKillop J, Lim AC, Karno MP. Elucidating the Effect of a Brief Drinking Intervention Using Neuroimaging: A Preliminary Study. *Alcohol Clin Exp Res.* 2019 Feb;43(2):367-377. doi: 10.1111/acer.13941. Epub 2019 Jan 20. PMID: 30556913; PMCID: PMC6370530.
12. Green R, **Grodin EN**, Lim AC, Venegas A, Bujarski S, Krull J, Ray LA. The Interplay Between Subjective Response to Alcohol, Craving, and Alcohol Self-Administration in the Human Laboratory. *Alcohol Clin Exp Res.* 2019 May;43(5):907-915. doi: 10.1111/acer.14001. Epub 2019 Apr 12. PMID: 30860603; PMCID: PMC6519957.
13. Fede SJ, **Grodin EN**, Dean SF, Diazgranados N, Momenan R. Resting state connectivity best predicts alcohol use severity in moderate to heavy alcohol users. *Neuroimage Clin.* 2019;22:101782. doi: 10.1016/j.nicl.2019.101782. Epub 2019 Mar 19. PMID: 30921611; PMCID: PMC6438989.
14. **Grodin EN**, Courtney KE, Ray LA. Drug-Induced Craving for Methamphetamine Is Associated With Neural Methamphetamine Cue Reactivity. *J Stud Alcohol Drugs.* 2019 Mar;80(2):245-251. doi: 10.15288/jsad.2019.80.245. PMID: 31014470; PMCID: PMC6489542.
15. Lim AC, Ghahremani DG, **Grodin EN**, Green R, Bujarski S, Hartwell EE, Courtney KE, Hutchison K, Miotto K, Ray LA. Neuroimaging findings from an experimental

- pharmacology trial of naltrexone in heavy drinkers of East Asian descent. *Drug Alcohol Depend.* 2019 Jul 1;200:181-190. doi: 10.1016/j.drugalcdep.2019.02.028. Epub 2019 May 9. PMID: 31160146; PMCID: PMC6760244.
16. **Grodin EN**, Lim AC, MacKillop J, Karno MP, Ray LA. An Examination of Motivation to Change and Neural Alcohol Cue Reactivity Following a Brief Intervention. *Front Psychiatry.* 2019 Jun 11;10:408. doi: 10.3389/fpsyt.2019.00408. PMID: 31244697; PMCID: PMC6580427.
 17. Lee MR, Shin JH, Deschaine S, Daurio AM, Stangl BL, Yan J, Ramchandani VA, Schwandt ML, **Grodin EN**, Momenan R, Corral-Frias NS, Hariri AR, Bogdan R, Alvarez VA, Leggio L. A role for the CD38 rs3796863 polymorphism in alcohol and monetary reward: evidence from CD38 knockout mice and alcohol self-administration, [¹¹C]-raclopride binding, and functional MRI in humans. *Am J Drug Alcohol Abuse.* 2020;46(2):167-179. doi: 10.1080/00952990.2019.1638928. Epub 2019 Jul 31. PMID: 31365285.
 18. **Grodin EN**, Ray LA. The Use of Functional Magnetic Resonance Imaging to Test Pharmacotherapies for Alcohol Use Disorder: A Systematic Review. *Alcohol Clin Exp Res.* 2019 Oct;43(10):2038-2056. doi: 10.1111/acer.14167. Epub 2019 Aug 23. PMID: 31386215; PMCID: PMC6779480.
 19. Burnette EM, **Grodin EN**, Lim AC, MacKillop J, Karno MP, Ray LA. Association between impulsivity and neural activation to alcohol cues in heavy drinkers. *Psychiatry Res Neuroimaging.* 2019 Nov 30;293:110986. doi: 10.1016/j.psychresns.2019.110986. Epub 2019 Sep 23. PMID: 31622796; PMCID: PMC7238761.
 20. **Grodin EN**, Bujarski S, Venegas A, Baskerville WA, Nieto SJ, Jentsch JD, Ray LA. Reward, Relief and Habit Drinking: Initial Validation of a Brief Assessment Tool. *Alcohol Alcohol.* 2019 Dec 1;54(6):574-583. doi: 10.1093/alcalc/agz075. PMID: 31557278; PMCID: PMC7306183.
 21. Ray LA, Du H, **Grodin EN**, Bujarski S, Meredith L, Ho D, Nieto S, Wassum K. Capturing habitualness of drinking and smoking behavior in humans. *Drug Alcohol Depend.* 2020 Feb 1;207:107738. doi: 10.1016/j.drugalcdep.2019.107738. Epub 2019 Nov 14. PMID: 31816490; PMCID: PMC8063853.
 22. Nieto SJ, **Grodin EN**, Ray LA. On the path towards personalized medicine: Implications of pharmacogenetic studies of alcohol use disorder medications. *Expert Rev Precis Med Drug Dev.* 2020;5(1):43-54. doi: 10.1080/23808993.2020.1724510. Epub 2020 Feb 10. PMID: 34291172; PMCID: PMC8291052.
 23. Fede SJ, Abrahao KP, Cortes CR, **Grodin EN**, Schwandt ML, George DT, Diazgranados N, Ramchandani VA, Lovinger DM, Momenan R. Alcohol effects on globus pallidus connectivity: Role of impulsivity and binge drinking. *PLoS One.* 2020 Mar 26;15(3):e0224906. doi: 10.1371/journal.pone.0224906. PMID: 32214339; PMCID: PMC7098584.
 24. Ray LA, **Grodin EN**, Leggio L, Bechtholt AJ, Becker H, Feldstein Ewing SW, Jentsch JD, King AC, Mason BJ, O'Malley S, MacKillop J, Heilig M, Koob GF. The future of translational research on alcohol use disorder. *Addict Biol.* 2021 Mar;26(2):e12903. doi: 10.1111/adb.12903. Epub 2020 Apr 14. PMID: 32286721; PMCID: PMC7554164.
 25. Voon V, **Grodin EN**, Mandali A, Morris L, Doñamayor N, Weidacker K, Kwako L, Goldman D, Koob GF, Momenan R. Addictions Neuroimaging Assessment (ANIA): Towards an integrative framework for alcohol use disorder. *Neurosci Biobehav Rev.* 2020 Jun;113:492-506. doi: 10.1016/j.neubiorev.2020.04.004. Epub 2020 Apr 13. PMID: 32298710.
 26. Lim AC, **Grodin EN**, Green R, Venegas A, Meredith LR, Courtney KE, Moallem NR, Sayegh P, London ED, Ray LA. Executive function moderates naltrexone effects on methamphetamine-induced craving and subjective responses. *Am J Drug Alcohol*

- Abuse. 2020 Sep 2;46(5):565-576. doi: 10.1080/00952990.2020.1741002. Epub 2020 Apr 28. PMID: 32343625; PMCID: PMC7920534.
27. Lim AC, Green R, **Grodin EN**, Venegas A, Meredith LR, Donato S, Burnette E, Ray LA. Alcohol Cue-Induced Ventral Striatum Activity Predicts Subsequent Alcohol Self-Administration. *Alcohol Clin Exp Res*. 2020 Jun;44(6):1224-1233. doi: 10.1111/acer.14342. Epub 2020 May 14. PMID: 32406553; PMCID: PMC7336863.
 28. **Grodin EN**, Nguyen XT, Ho D, Bujarski S, Ray LA. Sensitivity and specificity of a commercial urinary ethyl glucuronide (ETG) test in heavy drinkers. *Addict Behav Rep*. 2020 Jan 17;11:100249. doi: 10.1016/j.abrep.2020.100249. PMID: 32467838; PMCID: PMC7244915.
 29. **Grodin EN**, Montoya AK, Bujarski S, Ray LA. Modeling motivation for alcohol in humans using traditional and machine learning approaches. *Addict Biol*. 2021 May;26(3):e12949. doi: 10.1111/adb.12949. Epub 2020 Jul 29. PMID: 32725863.
 30. Burnette EM, Baskerville WA, **Grodin EN**, Ray LA. Ibutilast for alcohol use disorder: study protocol for a phase II randomized clinical trial. *Trials*. 2020 Sep 11;21(1):779. doi: 10.1186/s13063-020-04670-y. PMID: 32912290; PMCID: PMC7488583.
 31. **Grodin EN**, Green RJ, Ray LA. An Exploratory Factor Analysis of the Stimulant, Sedative, and Affective Responses to Alcohol. *Alcohol Clin Exp Res*. 2020 Nov;44(11):2298-2306. doi: 10.1111/acer.14458. Epub 2020 Oct 16. PMID: 32944932.
 32. Baskerville WA, Nieto SJ, Ho D, Towns B, **Grodin EN**, Li C, Burnette E, Donato S, Ray LA. Baseline Drinking Patterns in Non-Treatment Seeking Problem Drinkers. *Alcohol Alcohol*. 2021 Jan 4;56(1):57-63. doi: 10.1093/alcalc/agaa098. PMID: 33016306; PMCID: PMC7768624.
 33. Burnette EM, **Grodin EN**, Schacht JP, Ray LA. Clinical and Neural Correlates of Reward and Relief Drinking. *Alcohol Clin Exp Res*. 2021 Jan;45(1):194-203. doi: 10.1111/acer.14495. Epub 2020 Nov 17. PMID: 33119924; PMCID: PMC7855771.
 34. Nieto SJ, Green R, **Grodin EN**, Cahill CM, Ray LA. Pain catastrophizing predicts alcohol craving in heavy drinkers independent of pain intensity. *Drug Alcohol Depend*. 2021 Jan 1;218:108368. doi: 10.1016/j.drugalcdep.2020.108368. Epub 2020 Oct 20. PMID: 33143942; PMCID: PMC7750265.
 35. Burnette EM, **Grodin EN**, Ghahremani DG, Galván A, Kohno M, Ray LA, London ED. Diminished cortical response to risk and loss during risky decision making in alcohol use disorder. *Drug Alcohol Depend*. 2021 Jan 1;218:108391. doi: 10.1016/j.drugalcdep.2020.108391. Epub 2020 Nov 1. PMID: 33153830; PMCID: PMC7750289.
 36. Ho D, Towns B, **Grodin EN**, Ray LA. A novel human laboratory model for screening medications for alcohol use disorder. *Trials*. 2020 Nov 23;21(1):947. doi: 10.1186/s13063-020-04842-w. PMID: 33225963; PMCID: PMC7681966.
 37. Ray LA, **Grodin EN**. Clinical Neuroscience of Addiction: What Clinical Psychologists Need to Know and Why. *Annu Rev Clin Psychol*. 2021 May 7;17:465-493. doi: 10.1146/annurev-clinpsy-081219-114309. Epub 2021 Jan 20. PMID: 33472009.
 38. Burnette EM, **Grodin EN**, Eisenberger NI, Ray LA. Endotoxin for Alcohol Research: A Call for Experimental Medicine Using Lipopolysaccharide Challenge. *Alcohol Alcohol*. 2021 Oct 29;56(6):715-717. doi: 10.1093/alcalc/agaa148. PMID: 33592623; PMCID: PMC8557676.
 39. Nieto SJ, **Grodin EN**, Green R, Ray LA. Evaluation of the Addictions Neuroclinical Assessment (ANA) framework through deep phenotyping of problem drinkers. *Drug Alcohol Depend*. 2021 Apr 1;221:108603. doi: 10.1016/j.drugalcdep.2021.108603. Epub 2021 Feb 13. PMID: 33618192; PMCID: PMC8026564.
 40. Meredith LR, Green R, **Grodin EN**, Chorpita M, Miotto K, Ray LA. Ibutilast moderates the effect of mood on alcohol craving during stress exposure. *Exp Clin*

- Psychopharmacol. 2022 Oct;30(5):620-631. doi: 10.1037/pha0000458. Epub 2021 Apr 22. PMID: 36102596; PMCID: PMC9484034.
41. Ray LA, Green R, Enders C, Leventhal AM, **Grodin EN**, Li G, Lim A, Hartwell E, Venegas A, Meredith L, Nieto SJ, Shoptaw S, Ho D, Miotto K. Efficacy of Combining Varenicline and Naltrexone for Smoking Cessation and Drinking Reduction: A Randomized Clinical Trial. *Am J Psychiatry*. 2021 Sep 1;178(9):818-828. doi: 10.1176/appi.ajp.2020.20070993. Epub 2021 Jun 3. PMID: 34080890; PMCID: PMC8999864.
 42. **Grodin EN**, Bujarski S, Towns B, Burnette E, Nieto S, Lim A, Lin J, Miotto K, Gillis A, Irwin MR, Evans C, Ray LA. Ibudilast, a neuroimmune modulator, reduces heavy drinking and alcohol cue-elicited neural activation: a randomized trial. *Transl Psychiatry*. 2021 Jun 12;11(1):355. doi: 10.1038/s41398-021-01478-5. PMID: 34120149; PMCID: PMC8197758.
 43. Green R, Du H, **Grodin EN**, Nieto SJ, Bujarski S, Roche DJO, Ray LA. A meta-regression of methodological features that predict the effects of medications on the subjective response to alcohol. *Alcohol Clin Exp Res*. 2021 Jul;45(7):1336-1347. doi: 10.1111/acer.14643. Epub 2021 Jul 5. PMID: 34120356; PMCID: PMC9098140.
 44. **Grodin EN**, Burnette EM, Green R, Lim AC, Miotto K, Ray LA. Combined varenicline and naltrexone attenuates alcohol cue-elicited activation in heavy drinking smokers. *Drug Alcohol Depend*. 2021 Aug 1;225:108825. doi: 10.1016/j.drugalcdep.2021.108825. Epub 2021 Jun 23. PMID: 34175784; PMCID: PMC9059649.
 45. Kisner MA, Sussman L, Manuweera T, **Grodin EN**, Fede SJ, Sarlls JE, Momenan R. Evaluating effects of sex and age on white matter microstructural alterations in alcohol use disorder: A diffusion tensor imaging study. *Alcohol Clin Exp Res*. 2021 Sep;45(9):1790-1803. doi: 10.1111/acer.14678. Epub 2021 Aug 18. PMID: 34342014; PMCID: PMC8526396.
 46. Meredith LR, Burnette EM, **Grodin EN**, Irwin MR, Ray LA. Immune treatments for alcohol use disorder: A translational framework. *Brain Behav Immun*. 2021 Oct;97:349-364. doi: 10.1016/j.bbi.2021.07.023. Epub 2021 Jul 31. PMID: 34343618; PMCID: PMC9044974.
 47. Meredith LR, **Grodin EN**, Karno MP, Montoya AK, MacKillop J, Lim AC, Ray LA. Preliminary study of alcohol problem severity and response to brief intervention. *Addict Sci Clin Pract*. 2021 Aug 24;16(1):54. doi: 10.1186/s13722-021-00262-6. PMID: 34429151; PMCID: PMC8386030.
 48. **Grodin EN**, Burnette E, Towns B, Venegas A, Ray LA. Effect of alcohol, tobacco, and cannabis co-use on gray matter volume in heavy drinkers. *Psychol Addict Behav*. 2021 Sep;35(6):760-768. doi: 10.1037/adb0000743. Epub 2021 Aug 26. PMID: 34435833; PMCID: PMC8484037.
 49. Burnette EM, Ray LA, Irwin MR, **Grodin EN***. Ibudilast attenuates alcohol cue-elicited frontostriatal functional connectivity in alcohol use disorder. *Alcohol Clin Exp Res*. 2021 Oct;45(10):2017-2028. doi: 10.1111/acer.14696. Epub 2021 Sep 29. PMID: 34585396; PMCID: PMC8602728.
- *denotes senior author, mentored student-first author
50. Nieto SJ[^], **Grodin EN**[^], Aguirre CG, Izquierdo A, Ray LA. Translational opportunities in animal and human models to study alcohol use disorder. *Transl Psychiatry*. 2021 Sep 29;11(1):496. doi: 10.1038/s41398-021-01615-0. PMID: 34588417; PMCID: PMC8481537.
- [^]denotes equal contributions to this manuscript.
51. Nieto SJ, **Grodin EN**, Ho D, Baskerville WA, Ray LA. Moderators of subjective response to alcohol in the human laboratory. *Alcohol Clin Exp Res*. 2022 Mar;46(3):468-476. doi: 10.1111/acer.14783. Epub 2022 Feb 11. PMID: 35084054; PMCID: PMC9153269.

52. Ekhtiari H, [...], **Grodin EN**, [...], Zilverstand A. A methodological checklist for fMRI drug cue reactivity studies: development and expert consensus. *Nat Protoc.* 2022 Mar;17(3):567-595. doi: 10.1038/s41596-021-00649-4. Epub 2022 Feb 4. PMID: 35121856; PMCID: PMC9063851.
53. Burnette EM, Nieto SJ, **Grodin EN**, Meredith LR, Hurley B, Miotto K, Gillis AJ, Ray LA. Novel Agents for the Pharmacological Treatment of Alcohol Use Disorder. *Drugs.* 2022 Feb;82(3):251-274. doi: 10.1007/s40265-021-01670-3. Epub 2022 Feb 8. PMID: 35133639; PMCID: PMC8888464.
54. **Grodin EN**, Donato S, Du H, Green R, Bujarski S, Ray LA. A Meta-Regression of Trial Features Predicting the Effects of Alcohol Use Disorder Pharmacotherapies on Drinking Outcomes in Randomized Clinical Trials: A Secondary Data Analysis. *Alcohol Alcohol.* 2022 Sep 10;57(5):589-594. doi: 10.1093/alcalc/agac004. PMID: 35229869; PMCID: PMC9465523.
55. Meredith LR, **Grodin EN**, Montoya AK, Miranda R Jr, Squeglia LM, Towns B, Evans C, Ray LA. The effect of neuroimmune modulation on subjective response to alcohol in the natural environment. *Alcohol Clin Exp Res.* 2022 May;46(5):876-890. doi: 10.1111/acer.14821. Epub 2022 Apr 11. PMID: 35362101; PMCID: PMC10460619.
56. Baskerville WA, **Grodin EN**, Venegas A, Ray LA. Global sleep quality is associated with tonic craving, but not cue-induced craving. *Addict Behav.* 2022 Oct;133:107372. doi: 10.1016/j.addbeh.2022.107372. Epub 2022 May 21. PMID: 35660858.
57. **Grodin EN**, Nieto SJ, Meredith LR, Burnette E, O'Neill J, Alger J, London ED, Miotto K, Evans CJ, Irwin MR, Ray LA. Effects of ibudilast on central and peripheral markers of inflammation in alcohol use disorder: A randomized clinical trial. *Addict Biol.* 2022 Jul;27(4):e13182. doi: 10.1111/adb.13182. PMID: 35754106; PMCID: PMC9888600.
58. Nieto SJ, **Grodin EN**, Burnette EM, Cahill CM, Ray LA. Pain Catastrophizing Is Associated With Increased Alcohol Cue-Elicited Neural Activity Among Individuals With Alcohol Use Disorder. *Alcohol Alcohol.* 2022 Nov 11;57(6):727-733. doi: 10.1093/alcalc/agac029. PMID: 35788255; PMCID: PMC9651980.
59. Farokhnia M, Fede SJ, **Grodin EN**, Browning BD, Crozier ME, Schwandt ML, Hodgkinson CA, Momenan R, Leggio L. Differential association between the GLP1R gene variants and brain functional connectivity according to the severity of alcohol use. *Sci Rep.* 2022 Jul 29;12(1):13027. doi: 10.1038/s41598-022-17190-3. PMID: 35906358; PMCID: PMC9338323.
60. Green R, Lin J, Montoya AK, Bello MS, **Grodin EN**, Ryu H, Ho D, Leventhal AM, Ray LA. Characteristics associated with treatment seeking for smoking cessation among heavy-drinking research participants. *Front Psychiatry.* 2022 Sep 28;13:951364. doi: 10.3389/fpsy.2022.951364. PMID: 36245856; PMCID: PMC9554538.
61. **Grodin EN**, Meredith LR, Burnette EM, Miotto K, Irwin MR, Ray LA. Baseline C-reactive protein levels are predictive of treatment response to a neuroimmune modulator in individuals with an alcohol use disorder: a preliminary study. *Am J Drug Alcohol Abuse.* 2023 May 4;49(3):333-344. doi: 10.1080/00952990.2022.2124918. Epub 2022 Oct 25. PMID: 36282988; PMCID: PMC10840759.
62. Ray LA, Nieto SJ, **Grodin EN**. Translational models of addiction phenotypes to advance addiction pharmacotherapy. *Ann N Y Acad Sci.* 2023 Jan;1519(1):118-128. doi: 10.1111/nyas.14929. Epub 2022 Nov 17. PMID: 36385614; PMCID: PMC10823887.
63. **Grodin EN**, Burnette EM, O'Neill J, Alger J, Ray LA. Alcohol Craving and Severity are Associated with Dorsal Anterior Cingulate Choline Levels in Individuals with an Alcohol Use Disorder. *Alcohol Alcohol.* 2023 May 9;58(3):289-297. doi: 10.1093/alcalc/agad014. PMID: 36939375; PMCID: PMC10168708.
64. **Grodin EN**, Montoya AK, Cruz A, Donato S, Baskerville WA., Ray LA. Identifying Treatment Responders to Varenicline for Alcohol Use Disorder Using Two Machine-

- Learning Approaches. *Clinical Psychological Science*. 2023 May 15;12;1:133-146. doi:10.1177/21677026231169922
65. Baskerville WA, **Grodin EN**, Lin J, Miotto K, Mooney LJ, Ray LA. Alcohol Use Among Treatment-Seeking Individuals With Opioid Use Disorder. *J Stud Alcohol Drugs*. 2023 Jul;84(4):579-584. doi: 10.15288/jsad.22-00176. Epub 2023 Apr 19. PMID: 37096768; PMCID: PMC10488310.
 66. Meredith LR, Burnette EM, Nieto SJ, Du H, Donato S, **Grodin EN**, Green R, Magill M, Baskerville WA, Ray LA. Testing pharmacotherapies for alcohol use disorder with cue exposure paradigms: A systematic review and quantitative synthesis of human laboratory trial methodology. *Alcohol Clin Exp Res*. 2023 Sep;47(9):1629-1645. doi: 10.1111/acer.15143. Epub 2023 Jul 23. PMID: 37423771.
 67. Burnette EM, **Grodin EN**, Olmstead R, Ray LA, Irwin MR. Alcohol use disorder (AUD) is associated with enhanced sensitivity to cellular lipopolysaccharide challenge. *Alcohol Clin Exp Res (Hoboken)*. 2023 Oct;47(10):1859-1868. doi: 10.1111/acer.15173. Epub 2023 Aug 26. PMID: 37864529; PMCID: PMC10830126.
 68. McManus K, Venegas A, Henry B, Cooper ZD, **Grodin EN**, Ray LA. The role of sex in daily levels of high-risk alcohol and cannabis co-use. *Drug Alcohol Depend Rep*. 2023 Oct 31;9:100203. doi: 10.1016/j.dadr.2023.100203. PMID: 38035048; PMCID: PMC10681919.
 69. Ray LA, Baskerville WA, Nieto SJ, **Grodin EN**, Enders C, Kady A, Meredith L, Gillis A, Leventhal A, Ho D, Miotto K. A practice quit model to test early efficacy of medications for alcohol use disorder in a randomized clinical trial. *Psychopharmacology (Berl)*. 2024 Mar;241(3):543-553. doi: 10.1007/s00213-023-06504-6. Epub 2023 Nov 28. PMID: 38012333.
 70. Addiction Cue-Reactivity Initiative (ACRI) Network; Sangchooli A, [...], **Grodin EN**, [...] Ekhtiari H. Parameter Space and Potential for Biomarker Development in 25 Years of fMRI Drug Cue Reactivity: A Systematic Review. *JAMA Psychiatry*. 2024 Feb 7. doi: 10.1001/jamapsychiatry.2023.5483. Epub ahead of print. PMID: 38324323.
 71. Baskerville WA, **Grodin EN**, Ray LA. Influence of sleep quality on lapse to alcohol use during a quit attempt. *Alcohol Alcohol*. 2024 Jan 17;59(2):agae009. doi: 10.1093/alcalc/agae009. PMID: 38366914; PMCID: PMC10873907.
 72. Kirsch DE, Ray LA, Wassum KM, **Grodin EN***. Anterior cingulate and medial prefrontal cortex alcohol cue reactivity varies as a function of drink preference in alcohol use disorder. *Drug Alcohol Depend*. 2024 Mar 1;256:111123. doi: 10.1016/j.drugalcdep.2024.111123. Epub 2024 Feb 12. PMID: 38367535.
- *denotes senior author, co-mentored postdoctoral fellow as first-author
73. Nieto SJ, **Grodin EN**, Ray LA. Neural Correlates of the Addictions Neuroclinical Assessment (ANA) Incentive Salience Factor Among Individuals with Alcohol Use Disorder. *Behav Brain Res*. 2024 Feb 29;114926. doi: 10.1016/j.bbr.2024.114926. Epub ahead of print. PMID: 38431152.
 74. **Grodin EN**. Neuroimmune modulators as novel pharmacotherapies for substance use disorders. *Brain Behav Immun Health*. 2024 Feb 22;36:100744. doi: 10.1016/j.bbih.2024.100744. PMID: 38435721; PMCID: PMC10906159.
 75. Kirsch DE, Belnap MA, Burnette EM, **Grodin EN**, Ray, LA. Pharmacological Treatments for Alcohol Use Disorder: Considering the Role of Sex and Gender. *Curr Addict Rep*. 2024 Jan 03. 11:81–93. doi:10.1007/s40429-023-00535-x.
 76. Kirsch DE, **Grodin EN**, Ray LA. Characterizing alcohol cue reactive and non-reactive individuals with alcohol use disorder. *Addict Behav*. 2024 Aug;155:108028. doi: 10.1016/j.addbeh.2024.108028. Epub 2024 Apr 10. PMID: 38640885.
 77. **Grodin EN**, Kirsch D, Belnap M, Ray LA. Sex differences in neural response to an acute stressor in individuals with an alcohol use disorder. *Alcohol Clin Exp Res (Hoboken)*. 2024 May;48(5):843-854. doi: 10.1111/acer.15301. Epub 2024 Apr 23. PMID: 38652235.

78. **Grodin EN**, Baskerville WA, Meredith LR, Nieto S, Ray LA. Reward, relief, and habit drinking profiles in treatment seeking individuals with an AUD. *Alcohol Alcohol*. 2024 Mar 16;59(3):agae032. doi: 10.1093/alcalc/agae032. PMID: 38725398; PMCID: PMC11082523.
79. **Grodin EN**, Burnette EM, Rodriguez C, Fulcher JA, Ray LA. The gut microbiome in alcohol use disorder and alcohol-associated liver disease: A systematic review of clinical studies. *Alcohol Clin Exp Res (Hoboken)*. 2024 May 8. doi: 10.1111/acer.15338. Epub ahead of print. PMID: 38719790.
80. Kady A, **Grodin EN**, Ray LA. Characterizing reward and relief/habit drinking profiles in a study of naltrexone, varenicline, and placebo. *Alcohol Alcohol*. 2024 May 14;59(4):agae044. doi: 10.1093/alcalc/agae044. PMID: 38953743; PMCID: PMC11217986.
81. Belnap MA, McManus KR, **Grodin EN**, Ray LA. Endpoints for Pharmacotherapy Trials for Alcohol Use Disorder. *Pharmaceut Med*. 2024 Jul 5. doi: 10.1007/s40290-024-00526-x. Epub ahead of print. PMID: 38967906.
82. Kirsch DE, **Grodin EN**, Nieto SJ, Kady A, Ray LA. Early life stress is associated with greater negative emotionality and peripheral inflammation in alcohol use disorder. *Neuropsychopharmacology*. 2024 May 13. doi: 10.1038/s41386-024-01877-4. Epub ahead of print. PMID: 38740901.
83. **Grodin EN**, McManus KR, Ray LA. Examining the moderating role of cannabis use on the relationship between alcohol consumption and inflammation in individuals with alcohol use disorder. *Addict Biol*. 2024 Aug;29(8):e13431. doi: 10.1111/adb.13431. PMID: 39091190; PMCID: PMC11294675.
84. **Grodin EN**, Baskerville W, McManus KR, Irwin MR, Ray LA. Elevations in Interleukin-8 Levels in Individuals with Alcohol Use Disorder and Clinical Insomnia Symptoms. *Alcohol Clin Exp Res (Hoboken)*. 2024 Oct 13. doi: 10.1111/acer.15444. Epub ahead of print. PMID: 39396879.
85. Kirsch DE, **Grodin EN**, Gillis AJ, Miotto K, Ray LA. Does sex moderate the effects of early life stress on peripheral inflammation in alcohol use disorder? A preliminary investigation, *Drug and Alcohol Dependence*, 2024 Oct 22. doi.org/10.1016/j.drugalcdep.2024.112474.
86. Ray LA, **Grodin EN**, Baskerville WA, Donato S, Cruz A, Montoya AK. Identifying responders to gabapentin for the treatment of alcohol use disorder: an exploratory machine learning approach. *Alcohol Alcohol*. 2025 Mar 25;60(3):agaf010. doi: 10.1093/alcalc/agaf010. PMID: 40138385; PMCID: PMC11938997.
87. McManus KR, Belnap M, Kirsch DE, Ray LA, **Grodin EN***. Effects of alcohol and cannabis co-use on salience network resting state functional connectivity in individuals who drink alcohol heavily. *Drug Alcohol Depend*. 2025 Mar 1;268:112577. doi: 10.1016/j.drugalcdep.2025.112577. Epub 2025 Jan 30. PMID: 39929057.
*denotes senior author, co-mentored graduate student as first-author
88. Meredith LR, Baskerville WA, Lee C, **Grodin EN**, Wassum KM, Ray LA. Influence of real-world cue exposure and mood states on drinking: testing neurobiological models of alcohol use disorder. *Psychopharmacology (Berl)*. 2025 Feb 10. doi: 10.1007/s00213-025-06752-8. Epub ahead of print. *Psychopharmacology (Berl)*. 2025 Mar 4. doi: 10.1007/s00213-025-06769-z. PMID: 39924613.
89. Baskerville WA, **Grodin EN**, Meredith LR, Ray LA. Interplay between alcohol cues and mood states during early abstinence: A daily diary study. *Exp Clin Psychopharmacol*. 2025 Mar 13. doi: 10.1037/pha0000770. Epub ahead of print. PMID: 40080609.
90. **Grodin EN**, Karoly H, Browning BD, Coleman L, Farokhnia M, Kryszak LA, Meredith LR, Squeglia SM. Utilizing Blood Inflammatory Markers in Alcohol Studies: Considerations and Recommendations for Study Design, Sample Collection, and Data Analysis. *Neurosci Biobehav Rev*. doi: 10.1016/j.neubiorev.2025.106142.

91. Ray LA, Meredith LR, **Grodin EN**, Belnap MA, Nieto SJ, Baskerville WA, Donato S, Shoptaw SJ, Gillis AJ, Irwin MR, Miotto K, Enders CK. A Neuroimmune Modulator for Alcohol Use Disorder: A Randomized Clinical Trial. *JAMA Netw Open*. 2025 Apr 1;8(4):e257523. doi: 10.1001/jamanetworkopen.2025.7523. PMID: 40305022; PMCID: PMC12044506.
92. McManus KR, **Grodin EN**, Burnette E, Castillo Y, Miotto K, Irwin MR, Eisenberger N, Ray LA. Inflammatory endotoxin challenge in individuals with alcohol use disorder and controls. *Alcohol Clin Exp Res (Hoboken)*. 2025 Jun 1. doi: 10.1111/acer.70090. Epub ahead of print. PMID: 40451996.
93. **Grodin EN**, Kirsch DE, Nieto S, Belnap M, Castillo Y, Baker N, Wassum KM, Grant KA, Ray LA. The null effect of stress on cognitive flexibility in individuals with and without alcohol use disorder. *Drug Alcohol Depend*. 2025 Sep 1;274:112767. doi: 10.1016/j.drugalcdep.2025.112767. Epub 2025 Jun 24. PMID: 40609320.
94. Belnap MA, Kirsch DE, **Grodin EN**, Ray LA. Subjective response to alcohol predicts motivation to self-administer alcohol in a progressive ratio task. *Exp Clin Psychopharmacol*. 2025 Jul 24. doi: 10.1037/pha0000792. Epub ahead of print. PMID: 40705616.
95. Kirsch DE, **Grodin EN**, Keenan-Miller D, Ray LA. More Than a Symptom Count: Measuring Functioning in Alcohol Use Disorder with the Life Stress Interview. *J Stud Alcohol Drugs*. 2025 Aug 8. doi: 10.15288/jsad.25-00030. Epub ahead of print. PMID: 40778925.
96. Kirsch DE, Ho TC, Wassum KM, Ray LA, **Grodin EN***. Inflexible Orbitofrontal Cortex Functional Connectivity From Rest to Acute Stress in Alcohol Use Disorder. *Addict Biol*. 2025 Aug;30(8):e70083. doi: 10.1111/adb.70083. PMID: 40820466.
*denotes senior author, co-mentored postdoctoral fellow as first-author
97. Kirsch DE, McManus KR, **Grodin EN**, Nieto SJ, Miranda R Jr, O'Malley SS, Schacht JP, Ray LA. Who is alcohol cue-reactive? A machine learning approach. *Alcohol Alcohol*. 2025 Jul 16;60(5):agaf052. doi: 10.1093/alcalc/agaf052. PMID: 40838757; PMCID: PMC12368849.
98. Meredith LR, **Grodin EN**, Enders CK, Ray LA. Variations in alcohol craving and negative mood during a clinical trial of ibudilast for alcohol use disorder. *Alcohol Clin Exp Res (Hoboken)*. 2025 Oct 2. doi: 10.1111/acer.70178. Epub ahead of print. PMID: 41039752.
99. Kirsch DE, **Grodin EN**, Leggio L, McKee SA, Meredith LR, Mereish EH, Miranda R Jr, Nieto SJ, O'Malley SS, Schacht JP, Ray LA. The alcohol cue-exposure paradigm as a screening tool for alcohol use disorder medication development: A critical review. *Alcohol Clin Exp Res (Hoboken)*. 2025 Sep 29. doi: 10.1111/acer.70170. Epub ahead of print. PMID: 41017297.
100. **Grodin EN**, Baskerville W, Ray LA. Craving mediates the relationship between sleep quality and impaired control over drinking: A Preliminary Study. *Drug and Alcohol Dependence Reports*. 2025 Sep 23. doi: 10.1016/j.dadr.2025.100384.
101. Nieto SJ, **Grodin EN**, Ray LA. Ibudilast attenuates the association between pain intensity and heavy drinking in alcohol use disorder: A secondary analysis of a randomized clinical trial. *Alcohol*. 2025 Oct 12;129:145-149. doi: 10.1016/j.alcohol.2025.10.004. Epub ahead of print. PMID: 41086998.
102. Belnap MA, McManus KR, Kirsch DE, **Grodin EN**, Ray LA. Reductions in cigarette and cannabis use during a randomized clinical trial for alcohol use disorder. *Alcohol Alcohol*. 2026 Jan 14;61(2):agag006. doi: 10.1093/alcalc/agag006. PMID: 41664456.
103. McManus K, Enders C, Kirsch DE, Belnap M, **Grodin EN***, Ray LA*. Peripheral inflammation mediates the relationship between early life stress and alcohol use. *Psychopharmacology (Berl)*. 2026 Jan 28. doi: 10.1007/s00213-026-07009-8. Epub ahead of print. PMID: 41603979.
* = Co-senior authors, co-mentored graduate student as first-author.

104. **Grodin EN**, Kirsch DE, Baskerville W, Ray LA. Sleep disturbance is associated with greater subjective and neural negative emotionality in people with alcohol use disorder, *Drug Alcohol Depend*. 2026 Feb 10;281:113084. doi: 10.1016/j.drugalcdep.2026.113084. Epub ahead of print. PMID: 41691824.
105. Kirsch DE, Ray LA, **Grodin EN***. Independent Effects of Alcohol Use Disorder and Early Life Stress on Negative Emotionality, *Addiction Neuroscience*. 2026 Aug 13, in press.
*denotes senior author, co-mentored postdoctoral fellow as first-author

Peer-Reviewed Editorials and Commentaries

1. Ray LA, Green R, **Grodin EN**. Neurobiological Models of Alcohol Use Disorder in Humans. *Am J Psychiatry*. 2021 Jun;178(6):483-484. doi: 10.1176/appi.ajp.2021.21030310. PMID: 34154380.
2. **Grodin EN**, Donato S, Du H, Green R, Bujarski S, Ray LA. Response to Letter to the Editors regarding 'A Meta-Regression of Trial Features Predicting the Effects of Alcohol Use Disorder Pharmacotherapies on Drinking Outcomes in Randomized Clinical Trials: A Secondary Data Analysis'. *Alcohol Alcohol*. 2023 Nov 11;58(6):690-691. doi: 10.1093/alcalc/agad066. PMID: 37794750; PMCID: PMC10642604.
3. **Grodin EN**, Kady A, Ray LA. The future of reward and relief drinking profiles: Considerations for social motives, stability of profiles, and tailored interventions. *Alcohol Clin Exp Res (Hoboken)*. 2024 Jan 18. doi: 10.1111/acer.15269. Epub ahead of print. PMID: 38238020.
4. **Grodin EN**. Considerations for understanding the neurobiology of pathological alcohol choice preference: Commentary on Perini, Karlsson, McIntyre, Heilig-"Neural correlates of choosing alcohol over palatable food reward in humans". *Alcohol Clin Exp Res (Hoboken)*. 2025 Mar 16. doi: 10.1111/acer.70026. Epub ahead of print. PMID: 40091156.
5. **Grodin EN**, McManus K. Embracing the complexity of alcohol's immunomodulatory effects: Commentary on Monnig, Lamb, Clark, and Monti-"Acute changes in immune biomarkers under low and moderate dose alcohol in light and heavy drinkers: A randomized, placebo-controlled trial". *Alcohol Clin Exp Res (Hoboken)*. 2025 Jul 25. doi: 10.1111/acer.70120. Epub ahead of print. PMID: 40714980.
6. **Grodin EN**, McManus K. Considerations for Neural Cannabis Cue-Reactivity Studies in Individuals With Cannabis Use Disorder. *Biological Psychiatry: Global Open Science*, accepted.

Book Chapters

1. **Grodin EN**, Meredith LR, Burnette EM, Ray LA. Brain-immune mechanisms in alcohol use disorder, targeting neuroimmune signaling in alcohol use disorder: Opportunities for translation. 2023. In S.M. Mueller & M. Heilig (Eds.), *Alcohol and Alcohol-related Diseases*. Springer.
2. Burnette EM, Nieto SJ, **Grodin EN**, Jentsch JD, Ray LA. Progressive Ratio Intravenous Alcohol Self-Administration in Clinical Studies. 2023. In M.A. Cyders (Ed.), *Alcohol Clin Exp Res*. Springer.

MANUSCRIPTS UNDER REVIEW

1. Kirsch DE, Belnap MB, **Grodin EN**, Ray LA. Early life stress shapes the clinical presentation of alcohol use disorder: Support from DSM-5 latent classes and the Life Stress Interview, under review.

2. Lee S, **Grodin EN**, Ma J, Rospenda K, Ajilore OA, Ruth A, Sabetfakhri N, Olanrewaju F, Akinfe A, Hallihan H. The DEDICATE Trial study protocol: StuDY AimED at Increasing AlCOhol AbsTinEnce in a randomized clinical trial, under review.
3. Cao Z, Juliano A, [...], **Grodin EN**, [...], Garavan H, the ENIGMA Addiction Working Group. Mapping Cortical Subtypes in Alcohol Use Disorder: Findings from the ENIGMA Addiction Working Group, under review
4. **Grodin EN**, Baskerville W, McManus KR, Irwin MR, Ray LA. IL-8 levels partially mediate the relationship between alcohol use disorder and global sleep quality, under review.
5. **Grodin EN**. Preclinical and Clinical Models of Compulsive-like Alcohol Use, under review.
6. Belnap MA, **Grodin EN**, Ray LA. C-reactive Protein and Intestinal Permeability as Moderators of Ibudilast Treatment Response and Correlates of Clinical Characteristics in Alcohol Use Disorder, under review.
7. Belnap MA, Enders CK, **Grodin EN**, Ray LA. Reductions in drinking are associated with reductions in C-reactive protein during treatment for alcohol use disorder, under review.
8. McManus KM, Enders CK, **Grodin EN***, Ray LA*. Immune Markers From Standard Blood Panels Are Sensitive To Alcohol Use Patterns In Individuals With Alcohol Use Disorder, under review
*denotes senior author, co-mentored graduate student as first-author
9. Baskerville W, **Grodin EN***, Ray LA*. Testing the bidirectional relationship of alcohol use and sleep disturbances among individuals with an alcohol use disorder, under review.
*denotes senior author, co-mentored graduate student as first-author

RESEARCH FUNDING

Active Research Support - Grants

NIAAA K01AA029712 Grodin(PI)

“Characterizing the Microbiome-Gut-Brain Axis in Individuals with AUD”

This K01 seeks to evaluate the relationship between gut dysbiosis, clinical phenomenology of AUD, and a brain-based biomarker in individuals with AUD and matched healthy controls.

Role: PI Percent Effort: 75% Project Period: 04/01/2022-03/31/2027

NIDA R21DA059769 Ray/Grodin(MPI)

“Development of Tetrahydrocannabinavarin as a Treatment for Smokers”

This study will test the initial efficacy of Δ9-THCV, which is essential for understanding the clinical potential of this naturally occurring cannabinoid as a treatment for tobacco use disorder.

Role: MPI Percent Effort: 15% Project Period: 08/15/2024-07/31/2026

NIAAA R01AA029701 Ray(PI)

“Translational underpinnings of motivation for alcohol in humans”

This study will test the three dimensions of the Addiction Neuroclinical Assessment (ANA) for their respective effects on motivation for alcohol in individuals with alcohol use disorder.

Role: Co-I Percent Effort: 10% Project Period: 08/17/2023-07/31/2027

Iris Cantor-UCLA Women's Health Center/CTSI Pilot Award Grodin (PI)

“The Effect of Menstrual Cycle and Ovarian Hormones on Motivation for Alcohol in Women with Alcohol Use Disorder”

This augmentation study will investigate the effect of ovarian hormones and menstrual cycle phase on motivation for alcohol in regularly cycling women with alcohol use disorder.

Role: PI Percent Effort: 0% Project Period: 10/15/2025-10/14/2026

Submitted/Pending Research Support - Grants

NIH – R01 Grodin (PI)

“Behavioral and Biological Mechanisms of Sleep Disturbance in Individuals with Alcohol Use Disorder”

The proposed R01 application will investigate negative mood and alcohol craving as behavioral mechanisms and inflammation as a biological mechanism linking sleep disturbance and alcohol use disorder.

Role: PI Percent Effort: 40% Proposed Project Period: 07/01/2027-06/30/2032

Completed Research Support

NIAAA R21AA030643 Ray (PI)

“The effects of stress on decision-making in alcohol use disorder: A translational approach”

This study will test the effects of acute stress and its underlying neurocircuitry on decision making among individuals with alcohol use disorder and matched controls.

Role: Co-I Project Period: 03/14/2023-02/28/2026 (NCE)

UCLA Goodman-Luskin Microbiome Center Grodin (PI)

“Characterizing the Microbiome-Gut-Brain Axis in Individuals with AUD”

This pilot award supplements a K01 study to add shotgun metagenomic sequencing to better understand the functional profiling of genes and pathways present in the microbial community of people with an AUD.

Role: PI Project Period: 12/01/2024-11/30/2025

Friends of Semel Research Scholars Grodin(PI)

“Elucidating the Effects of Acute Inflammation on the Neural Substrates of Alcohol Cue Reactivity”

This proposal leverages a new trial of endotoxin as an experimental model of acute inflammation in AUD through the addition of a novel neuroimaging component.

Role: PI Project Period: 04/01/2021-03/31/2024

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: Co-I Project Period: 09/20/2019-08/31/2022

NIAAA F32AA027699 Grodin(PI)

“Elucidating the Effects of Neuroimmune Modulation on Neural Substrates of Alcohol Cue and Stress Reactivity”

This study seeks to elucidate the effect of neuroimmune modulation through ibudilast on neural alcohol cue and stress reactivity in individuals with alcohol use disorder.

Role: PI Project Period: 07/01/2019-01/21/2021

NIDA T32DA024635 London(PI)

“UCLA Training Program in the Translational Neuroscience of Drug Abuse (TNDA)”

The UCLA Training Program in the Translational Neuroscience of Drug Addiction (TNDA) provides multidisciplinary training that spans the fundamental bases of addiction from the genome to neural phenotypes and ultimately the syndrome of addiction, with particular strength in molecular and cellular neurobiology, brain imaging, and behavioral neuroscience.

Role: Trainee Project Period: 01/21/2018-01/20/2019

Training grants to co-mentored graduate students and post-doctoral fellows

NIAAA F31AA031914 Baskerville(PI)

“Testing Neurobiological Models of Alcohol Use Disorder Through Real World Cue Reactivity and Mood”

Role: Co-Sponsor

Project Period: 09/01/2024-08/31/2026

TRDRP

T34FT8089

Kirsch(PI)

“Examining the effects of cytidine on neural substrates of cigarette cue-reactivity”

Role: Co-Sponsor

Project Period: 07/01/2024-06/30/2027

NIAAA

F32AA031425

Kirsch(PI)

“A clinical neuroscience approach to understand stress coping in alcohol use disorder”

Role: Co-Sponsor

Project Period: 02/01/2024-06/31/2024

INVITED ORAL PRESENTATIONS

Research Society on Alcohol Symposium

June 2026

Peripheral Inflammation is Associated with Increased Neural Alcohol Cue Reactivity and Negative Affective Processing in Individuals with AUD

5th Annual Southern California Substance Addiction Research Training Retreat

May 2026

Disrupted Sleep in Alcohol Use Disorder: Links to Negative Emotionality, Craving, and Impaired Control

College on Problems of Drug Dependence / Drug and Alcohol Dependence Reports Spring Webinar

April 2026

Craving mediates the relationship between sleep quality and impaired control over drinking

Gordon Research Conference: Alcohol and the Nervous System

February 2026

Sleep Disturbance and Negative Emotionality in Individuals with Alcohol Use Disorder

UCLA Translational Neuroscience of Drug Addiction (TNDA) Seminar

February 2026

Neuroimaging in Alcohol Use Disorder: Uncovering the Neurobiology and Improving Treatment Development

Research Society on Alcohol Symposium

June 2025

Moderators of the Neuroimmune Modulator, Ibudilast, for Alcohol Use Disorder

UCLA Hatos Center for Neuropharmacology 50 Year Anniversary Meeting

April 2025

Exploring Sleep and Inflammation in Alcohol Use Disorder

USC Neuroimaging and Informatics Master’s Program

November 2025

Neuroimaging in Alcohol Use Disorder: Uncovering the Neurobiology and Improving Treatment Development

NeuroCon

October 2025

Unpacking Inflammation in Alcohol Use Disorder: Pharmacotherapy and Experimental Probes

World Congress on Alcohol and Addictions (ISBRA) Symposium

September 2025

Identifying and Targeting Biomarkers of Inflammation in Alcohol Use Disorder

Research Society on Alcohol Symposium

June 2024

Gut Microbiome Interventions for Alcohol Use Disorder and Alcohol-Associated Liver Disease: A Systematic Review

- UCLA Goodman-Luskin Microbiome Center Seminar Series** May 2024
Characterizing the Gut-Microbiome-Brain Axis in Individuals with an Alcohol Use Disorder
- UCLA Integrative Center on Addictions Seminar** March 2024
Identifying and Targeting Biomarkers of Inflammation in Alcohol Use Disorder
- NIAAA Intramural Research Program Seminar** January 2024
Identifying and Targeting Biomarkers of Inflammation in Alcohol Use Disorder
- Wake Forest University, Dept. of Physiology and Pharmacology Seminar** July 2024
Novel Targets for Alcohol Use Disorder: Probing the Gut Microbiome and Inflammatory Signaling
- UCLA/UCI/CDU Substance Abuse Research Training Program Retreat** May 2022
Baseline C-Reactive Protein Levels are Predictive of Treatment Response to a Neuroimmune Modulator in Individuals with an Alcohol Use Disorder: A Preliminary Study
- Wake Forest University, Dept. of Physiology and Pharmacology Seminar** March 2022
Identifying and Targeting Biomarkers of Inflammation in Alcohol Use Disorder
- American College on Neuropsychopharmacology Symposium** December 2021
Ibuprofen, a Neuroimmune Modulator, Decreases Biomarkers of Inflammation in Individuals with Alcohol Use Disorder: A Preliminary Study
- Research Society on Alcohol Virtual Symposium** June 2021
Ibuprofen for the Treatment of Alcohol Use Disorder: A Randomized Placebo-Controlled Experimental Study
- LSU, Alcohol and Drug Abuse Center Postdoc Seminar Series** February 2021
Integrating functional Magnetic Resonance Imaging (fMRI) in Clinical Pharmacology for the Treatment of Alcohol Use Disorder
- American College on Neuropsychopharmacology "Hot Topic"** December 2020
Ibuprofen for the Treatment of Alcohol Use Disorder: A Randomized Placebo-Controlled Experimental Study
- Staying Connected: Neuroscience of Addiction Seminar Series** September 2020
Ibuprofen for the Treatment of Alcohol Use Disorder: A Randomized Placebo-Controlled Experimental Study
- College on Problems of Drug Dependence, Virtual Symposium** June 2020
Integrating fMRI in Clinical Pharmacology for Alcohol Use Disorder
- Research Society on Alcohol Virtual Symposium** June 2020
The Effects of a Neuroimmune Modulator on Behavioral, Neural, and Peripheral Markers
- Collaborative Perspectives on Addiction Virtual Symposium** April 2020
Modeling Motivation for Alcohol in Humans using Traditional and Machine Learning Approaches
- International Convention of Psychological Science Symposium** March 2019
Elucidating the Effect of a Brief Drinking Intervention Using Neuroimaging

International Study Group Investigating Drugs as Reinforcers Symposium June 2018
The Neural Correlates of Compulsive Alcohol Seeking in Heavy Drinkers

Research Society on Alcohol Symposium June 2016
The Neural Correlates of Compulsive Alcohol Seeking in Heavy Drinkers

AWARDS AND HONORS

Future Leader, Emerging Psychoneuroimmunology Research	2024
Career Development Institute for Psychiatry, Recipient	2024
American Psychological Association, Travel Award	2023
NIDA Diversity Scholars Travel Award, American Psychological Association	2023
UCLA K Scholars Society	2023
American College on Neuropsychopharmacology Travel Scholarship	2022
Winter Conference on Brain Research, Finalist for Poster Prize	2022
NIDA-NIAAA Frontiers in Addiction Research Early Career Investigator Showcase	2021
UCLA Chancellor's Award for Postdoctoral Research Nominee	2021
LSU Alcohol and Drug Abuse Center of Excellence Postdoctoral Seminar Travel Award	2021
American College on Neuropsychopharmacology Travel Award	2020
Winter Conference on Brain Research Travel Award	2020
Research Society on Alcoholism Junior Investigator Merit Award	2019
NIDA Training Program in Translational Neuroscience of Drug Abuse	2018
NIAAA/NIDA Diversity Supplement Workshop Travel Award	2018
Society for Biological Psychiatry Travel Award	2017
UCLA Neuroimaging Training Program Travel Award	2017
Research Society on Alcoholism Student Merit Award	2014, 2015, 2017
Sigma Xi Research Honors Society	2016 - present
Brown University Student Conference Travel Award	2016
National Institutes of Health Fellows Award for Research Excellence	2016

TEACHING EXPERIENCE

Psychiatry 180: Neuropsychopharmacology, UCLA Spring 2025, 2026

- Guest lectured for one lecture session (2 hours; 60 students).
- Designed lecture content designed to provoke interaction and participation amongst students on the neuropsychopharmacology of alcohol, covering topics including alcohol metabolism, tolerance, withdrawal, alcohol's CNS mechanisms, and treatment for AUD.

Psychology 162: Psychology of Addiction, UCLA Summer 2024

- Guest lectured for two in-person discussion sections (1 hour each; 50 students per section).
- Developed lecture and discussion section content designed to provoke interaction and participation amongst students on topics related to the neurobiology of addiction and prominent theories of addictions

Psychology 162: Psychology of Addiction, UCLA Spring 2019

- 10-week hybrid (online and in-person) course on the psychological and neurobiological theories of addiction, pharmacological effects of drugs and abuse, etiology, assessment, diagnosis, and treatment
- Taught 4 in-person discussion sections (1 hour each; 50 students per section) and 1 online discussion section offered to non-local University of California students (1 hour; 10 students)

- Developed lecture and discussion section content designed to provoke interaction and participation amongst students

Summer Research Program on Addiction Science, UCLA

Summer 2019

- 40-hour intensive research training program offered to under-represented minorities at UCLA
- Selected readings focusing on clinical and translational addictions neuroscience
- Developed a project for students to complete during the program
- Assisted students in creating and presenting a poster of their project

MENTORING

University of California, Los Angeles

2023 – 2026 Research Co-Mentor, *Dylan Kirsch*, Postdoctoral Fellow

2023 – Research Co-Mentor, *Malia Belnap*, Neuroscience Ph.D. candidate

2023 – Research Co-Mentor, *Kaitlin McManus*, Clinical Psychology Ph.D. candidate

2023 – 2024 Research Co-Mentor, *Annabel Kady*, Clinical Psychology Ph.D. candidate

2021 – 2026 Research Co-Mentor, *Wave-Ananda Baskerville*, Clinical Psychology Ph.D. candidate

2025 – Research Mentor, *Aditya Hari*, Undergraduate Research Assistant

2024 – 2025 Research Mentor, *Sai Kuppili*, Undergraduate Research Assistant

2023 – 2025 Research Mentor, *Gray Sawyer*, Undergraduate Research Assistant, Awarded a Hatos Center for Neuropsychopharmacology Summer Fellowship

2022 – 2024 Research Mentor, *Ebony Bayeh*, Undergraduate Research Assistant

2022 – 2024 Research Mentor, *Ethan Chen*, Undergraduate Research Assistant

2022 – 2023 Research Mentor, *Keegan Buch*, Undergraduate Research Assistant

2020 – 2021 Research Mentor, *Wave-Ananda Baskerville*, Postbaccalaureate Staff

2020 – 2021 Research Co-Mentor, *Wave-Ananda Baskerville*, Postbaccalaureate Staff

2019 – 2019 Research Mentor, *Jalen Robinson*, HBCU-UCLA Neuroscience Pathways Summer Research Program

2018 – 2023 Research Co-Mentor, *Elizabeth Burnette*, Neuroscience Ph.D.

2018 – 2019 Research Mentor, *Marla Dimetrious*, Undergraduate Research Assistant

2018 – 2019 Research Mentor, *Catherine Trinh*, Undergraduate Research Assistant

Research Society on Alcohol Mentoring Program

2026 – 2026 Career Mentor, *Megan Strowger*

2025 – 2025 Career Mentor, *Ellen Towers*

2024 – 2024 Career Mentor, *Sunderland Baker*

2023 – 2023 Career Mentor, *Brittney Browning*

2021 – 2021 Career Mentor, *Sophia Berberian*

Training:

Completed “Entering Mentoring” training from the National Research Mentoring Network

Member:

Faculty Mentor, Enhancing Diversity in Alcohol Research Program

PROFESSIONAL ACTIVITIES

Grant Reviewing

Deutsche Forschungsgemeinschaft (DFG) [German Research Foundation], *Invited Grant Reviewer May 2026*

European Research Council (ERC), *Invited External Grant Reviewer March 2026*
NIH Topics in Addiction Risks and Mechanisms Special Emphasis Panel, *Ad Hoc Reviewer Jan 2026*
University of Maryland Baltimore, Institute for Clinical and Translational Research, Accelerated Translational Incubator Pilot Panel, *Invited External Reviewer Jan 2026*
Deutsche Forschungsgemeinschaft (DFG) [German Research Foundation], *Invited Grant Reviewer Nov 2025*
ZonMw [Netherlands Organization for Health Research and Development] General Practice and Geriatric Medicine Programme, *Invited Grant Reviewer Aug 2025*
NIH Topics in Addiction Risks and Mechanisms Special Emphasis Panel, *Ad Hoc Reviewer July 2025*
NIH Addiction Risks and Mechanisms Study Section, *Ad Hoc Reviewer May 2025*
NIH Neurotoxicology and Alcohol Study Section, *Early Career Reviewer June 2024*

Professional Affiliations

American College of Neuropsychopharmacology (ACNP, Associate Member)
Society of Addiction Psychology, APA (Div. 50, Member)
Psychopharmacology and Substance Abuse, APA (Div. 28, Member)
Research Society on Alcoholism (RSA, Member)

Journal Editing

Drug and Alcohol Dependence, *Editorial Advisory Board*

Journal Reviewing

Addiction, *Ad Hoc Reviewer*
Addiction Biology, *Ad Hoc Reviewer*
Addictive Behaviors, *Ad Hoc Reviewer*
Addiction Neuroscience, *Ad Hoc Reviewer*
Alcohol, *Ad Hoc Reviewer*
Alcohol and Alcoholism, *Ad Hoc Reviewer*
Alcohol: Clinical and Experimental Research, *Ad Hoc Reviewer*
American Journal of Psychiatry, *Ad Hoc Reviewer*
American Journal on Addictions, *Ad Hoc Reviewer*
Behavioral Brain Research, *Ad Hoc Reviewer*
Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, *Ad Hoc Reviewer*
Biological Psychiatry: Global Open Science, *Ad Hoc Reviewer*
Biological Psychology, *Ad Hoc Reviewer*
Brain, *Ad Hoc Reviewer*
Brain Communications, *Ad Hoc Reviewer*
BMC Psychiatry, *Ad Hoc Reviewer*
CNS Drugs, *Ad Hoc Reviewer*
Contemporary Clinical Trials Communications, *Ad Hoc Reviewer*
Cognitive, Affective, & Behavioral Neuroscience, *Ad Hoc Reviewer*
Cortex, *Ad Hoc Reviewer*
Developmental Cognitive Neuroscience, *Ad Hoc Reviewer*
Drug and Alcohol Dependence Reports, *Ad Hoc Reviewer*
Drug Discovery Today, *Ad Hoc Reviewer*
European Journal of Neuroscience, *Ad Hoc Reviewer*
Frontiers in Psychiatry, *Review Editor*
Health Psychology, *Ad Hoc Reviewer*
Human Brain Mapping, *Ad Hoc Reviewer*
International Journal of Neuropsychopharmacology, *Ad Hoc Reviewer*

JAMA Psychiatry, *Ad Hoc Reviewer*
 Journal of Affective Disorders, *Ad Hoc Reviewer*
 Journal of Psychiatry and Neuroscience, *Ad Hoc Reviewer*
 Learning and Motivation, *Ad Hoc Reviewer*
 Neurobiology of Stress, *Ad Hoc Reviewer*
 NeuroImage: Clinical, *Ad Hoc Reviewer*
 Neuropsychopharmacology, *Ad Hoc Reviewer*
 Plos One, *Ad Hoc Reviewer*
 Progress in Neuropsychopharmacology and Biological Psychiatry, *Ad Hoc Reviewer*
 Psychology of Addictive Behaviors, *Ad Hoc Reviewer*
 Psychological Reports, *Ad Hoc Reviewer*
 Psychopharmacology, *Ad Hoc Reviewer*
 Scientific Reports, *Ad Hoc Reviewer*
 Translational Psychiatry, *Ad Hoc Reviewer*

Professional Service

Winter Conference on Brain Research, Program Committee 2026-2027, *Member*
 Research Society on Alcohol, Program Committee 2026-2027, *Member*
 UCLA Neuroscience Interdepartmental Program Poster Day 2026, *Judge*
 Alcohol and the Nervous System Gordon Research Conference Poster Session 2026, *Judge*
 Winter Conference on Brain Research, Program Committee 2025-2026, *Member*
 UCLA Neuroscience Interdepartmental Program Poster Day 2025, *Judge*
 Addiction Craving and Cue Reactivity Initiative Network (ACRIN); 2022-present, *Member*
 Research Society on Alcohol, Diversity, Equity, and Inclusion Committee 2022-present, *Member*
 Research Society on Alcohol, Nominations Committee, 2023-present, *Member*
 Research Society on Alcohol, Program Committee 2023-2024, *Member*
 Black in Neuro Conference 2020, *Abstract Reviewer*
 NIH Intramural Research Training Award Postbaccalaureate Poster Day 2014-2018, *Judge*

UCLA Dissertation Committees

2024-2026	Dissertation Committee, <i>Brittany Henry</i> , Neuroscience IDP
2023-	Dissertation Committee, <i>Malia Belnap</i> , Neuroscience IDP
2022-	Dissertation Committee, <i>Kaitlin McManus</i> , Clinical Psychology
2021-2026	Dissertation Committee, <i>Wave-Ananda Baskerville</i> , Clinical Psychology
2019-2023	Dissertation Committee, <i>Elizabeth Burnette</i> , Neuroscience IDP

SELECT MEDIA COVERAGE

“Brain scans reveal how poor sleep fuels negative emotions in alcohol addiction” by Eric W. Dolan. March 2026. *PsyPost*. <https://www.psypost.org/brain-scans-reveal-how-poor-sleep-fuels-negative-emotions-in-alcohol-addiction/>

“Researchers tested an asthma drug for treating alcoholism. It failed except with this group” by Holly Ober. June 2025. *UCLA Newsroom*. <https://newsroom.ucla.edu/releases/asthma-drug-fails-test-for-treating-alcoholism-but-not-for-everyone?preview=c9b9>

“Early life stress predicts negative emotionality and inflammation in alcohol use disorder” by Eric W. Dolan. November 2024. *PsyPost*. <https://www.psypost.org/early-life-stress-predicts-negative-emotionality-and-inflammation-in-alcohol-use-disorder/>

“Stress triggers different brain responses in women and men with alcohol use disorder” by Eric W. Dolan. August 2024. *PsyPost*. <https://www.psypost.org/stress-triggers-different-brain-responses-in-women-and-men-with-alcohol-use-disorder/>

“Lab work: A pill to treat addiction” by Kirsten Weir. September 2019. *American Psychological Association*. <https://www.apa.org/monitor/2019/09/pill-addiction>

““Compulsivity circuit” in heavy alcohol drinkers” August 2018. *Science Daily*. <https://www.sciencedaily.com/releases/2018/08/180821111946.htm>

“Study explores neuroscience of extroversion” by Elena Weissman. March 2015. *The Brown Daily Herald*. <https://www.browndailyherald.com/article/2015/03/study-explores-neuroscience-of-extroversion>