

CURRICULUM VITAE

KENT E. HUTCHISON, Ph.D.

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EDUCATION

Brown University - Center for Alcohol and Addiction Studies
Alcohol and Drug Abuse Treatment
Post-doctoral Fellow, 1995-1998

Brown University Clinical Psychology Training Consortium (APA accredited)
Internship, 1994-1995

Oklahoma State University (APA accredited)
Clinical Psychology
Ph.D., 1995; M.S., 1991; B.S., 1990

ACADEMIC APPOINTMENTS

2011 – present	Professor of Psychology and Neuroscience, University of Colorado
2008 – present	Faculty Fellow, Institute of Cognitive Science, University of Colorado
2008 – present	Adjunct Professor and Liaison, Mind Research Network
2007 – 2010	Professor of Psychology and Neurosciences, University of New Mexico
2003 – 2007	Associate Professor, Department of Psychology, University of Colorado
2002 – 2008	Faculty Fellow, Institute of Behavioral Genetics, University of Colorado
2002 – 2008	Adjoint Assistant Professor, Department of Psychiatry, University of Colorado Health Science Center
1998 – 2003	Assistant Professor, Department of Psychology, University of Colorado
1995 – 2000	Research Associate, Brown University, Providence, Rhode Island

HONORS, AWARDS, AND FELLOWSHIPS

2018 Research Society of Alcoholism Outstanding Mentor Award

RESEARCH ACTIVITY

Current Research Grants

- Co-Investigator, NIDA, *Exploring the Anti-Inflammatory Properties of Cannabis and Their Relevance to Insulin Sensitivity*, \$3,470,740, Project Period 9/1/19 - 6/30/24
- Principal Investigator, NIDA, *Marijuana Harm Reduction: Innovative Strategies for Developing New Knowledge*, \$2,199,844, Project Period 9/1/16 - 8/31/21
- Principal Investigator, NIAAA, *Dismantling MBRP: Identifying Critical Neuroimmune Mechanisms of Action*, \$3,497,490, Project Period 9/1/16 - 8/31/21
- Co-Investigator, NIDA, *Novel approaches to examining the links among cannabinoids, inflammation, and anxiety*, \$2,813,285, Project Period 9/1/17 - 8/31/22
- Co-Investigator, Colorado Department of Public Health, *Effects of Dabbing on Marijuana Intoxication, Cognition, and Driving*, \$845,169, Project Period 4/1/17 – 6/1/22.
- Co-Investigator, NCCIH, *Observational Approaches to the Influence of Cannabis and its Constituent Cannabinoids on Pain, Inflammation, and Cognition*, \$3,410,023, Project Period 9/15/17-8/31/22.
- Multiple Principal Investigator, R01DA040487, NIDA, *COINSTAC: decentralized, scalable analysis of loosely coupled data*, \$2,741,270, Project Period 10/1/15 – 9/30/20.
- Co-Investigator, NIA 1R01AG043452-01A1, *Enhancing function in later life: Exercise and functional network connectivity*, \$3,548,091, Project Period 7/1/14 – 6/30/19.

Pending Research Grants

- Principal Investigator, NIDA, R01 DA048069-01A1, *Novel Approaches to Opiate Use Reduction*, \$3,599,844.

Completed Research Grants

- Co-Investigator, NCI 1R01CA179963-01, *DNA methylation and cancer prevention: duration and intensity of exercise*, \$2,128,859, Project Period 09/04/2013 - 06/30/2018.
- Co-Investigator, R211, NIAAA, *Modifying Alcohol Approach Motivations with S and Cognitive Retraining* (PI – Eric Claus, Ph.D.), \$250,000 Project Period = 01/01/2013-12/31/2015
- Co-Investigator, 1R01NR013332, *Adolescent decision making and HIV risk avoidance: Neurocognitive factors*, \$1,250,000, 10/1/11 – 9/30/16
- Co-Investigator, R01AA013844-05A1, NIAAA, *Alcohol, marijuana, and risky sex: Group interventions with detained adolescents*, Total direct costs=\$1,771,659. Project Period 7/1/09 – 6/30/15.
- Principal Investigator, R01AA012238, NIAAA, *Alcohol Dependence: Integrating Genetic & fMRI Methods*, \$1,983,536, Project Period 9/1/10 - 8/31/16

- Principal Investigator, R01DA025074-01A2, NIDA, *Effects of Varenicline: Testing Individual Differences*, \$2,100,000, Project Period 4/1/10 – 3/31/16
- Co-Investigator, R01DA024002, NIDA, *Multilevel Analysis of Self-Regulation in Substance Abuse* (PI – Tiffany Ito, Ph.D.), \$545,624, Project Period 05/01/2011-04/30/2016
- Co-Investigator, NIAAA, *Alcohol and Substance Use Disorders from Adolescence through Age 30*, (PI – Christopher Martin, Ph.D.), ~\$1,500,000, Project Period 10/1/08 - 8/30/15
- Principal Investigator, R01AA015968-01A2, NIAAA, *Sensitivity to Intravenous Ethanol: Genetic Determinants*, \$1,250,000, Project Period 9/1/07 - 8/30/12
- Co-Investigator, R21AA020304, NIAAA, *Sensitivity to Intravenous Ethanol: Neuroimaging and Behavioral Phenotypes* (MPI – Eric Claus, Ph.D. & Christian Hendershot, Ph.D.), \$250,000, Project Period 06/01/2011-05/31/2013
- Co-Investigator, R01AA017878-01, NIAAA, *AMICA: Assessing the fit of Motivational Interviewing by Cultures with Adolescents* (PI - Sarah Feldstein Ewing, Ph.D.), \$1,250,000, Project Period 1/1/09-12/31/13
- Co-Investigator, 275201000011C, SBIR/NIH, *Adaptive Goal-Oriented Adherence Tracking and Enhancement*, (PI – Christian Hendershot, P.h.D.), \$130,000, Project Period 6/1/11-5/31/13
- Co-Investigator, R21AA020304, NIAAA, *Sensitivity to Intravenous Ethanol: Neuroimaging and Behavioral Phenotypes* (MPI – Eric Claus, Ph.D. & Christian Hendershot, Ph.D.), \$250,000, Project Period 06/01/2011-05/31/2013
- Co-Investigator, NIAAA R01 AA017390-01, *HIV prevention with adolescents: Neurocognitive deficits and treatment response* (PI – Angela Bryan, Ph.D.). Total direct costs \$2,400,000, Project Period 10/1/07 – 9/30/13
- Principal Investigator, R01, NIAAA, *A New Pharmacotherapy for Alcohol Dependence*, \$2,034,484, Project Period 1/1/06 - 4/30/11
- Co-Investigator, NCI, *Mediators and Moderators of Exercise Behavior Change* (PI – Angela Bryan, Ph.D.), \$1,664,232, Project Period 7/1/04 - 6/30/09
- Co-Investigator, NIDA, *Marijuana Use, Gender, and Adolescent HIV Sexual Risk* (PI – Angela Bryan, Ph.D.), \$1,479,527, Project Period 10/1/04 - 9/30/08
- Co-Investigator, NIAAA, *Alcohol use and Sexual Risk: An Intervention* (PI – Angela Bryan, Ph.D.), \$825,000, Project Period 7/1/02 - 6/30/07
- Principal Investigator, R01 DA14642-01, NIDA, *Progression of Craving and Addiction: Genetic Factors*, \$1,000,000, Project Period 5/1/02 - 4/31/07

- Co-Investigator, NCI, *Developing Endophenotypes for Responses to Exercise* (PI – Angela Bryan, Ph.D.), \$100,000, Project Period 6/1/03 - 5/31/05
- Principal Investigator, Eli Lilly and Company, *Olanzapine and the Treatment of Alcohol Dependence*, \$110,880, Project Period 11/1/01 - 12/30/04
- Principal Investigator, R01 11473-01A1, NIAAA, *Startle Reflex: Testing Alcohol Patients and Treatments*, \$370,481, Project Period 10/1/98 - 9/30/2004
- Co-Investigator, National Institute on Aging (PI – Roger Enoka, Ph.D.), *Arousal and Motor Performance in Older Adults*, \$50,000, Project Period 12/01/01 – 11/30/02
- Principal Investigator, Eli Lilly and Company, *Effect of Olanzapine on the Stimulatory and Rewarding Effects of d-Amphetamine*, \$48,768, Project Period 5/1/98 - 12/30/02
- Principal Investigator, Eli Lilly and Company, *Effect of Olanzapine on Cigarette Craving and the Effects of Smoking*, \$54,400, Project Period 5/1/98 - 12/30/02
- Co-Investigator, VA Merit Grant, Naltrexone and Nicotine Replacement: Effects on Cue Reactivity (PI - Damaris Rohsenow, Ph.D.), \$380,000, Project Period 4/1/98 - 3/30/02
- Principal Investigator, R21 CA81637-01, NCI, *Psychophysiological and Behavioral Mechanisms of Smoking*, \$241,549, Project Period 7/1/99 - 6/30/02
- Principal Investigator, Alcohol Beverage Medical Research Foundation, *Startle Reflex: Dose Response Characterization of Alcohol*, \$40,000, Project Period 7/1/98 - 12/30/99
- Principal Investigator, CAAS Research Improvement Award, *The Startle Reflex and Low Doses of Alcohol*, \$9,000, Project Period 7/1/96 - 6/30/97
- Principal Investigator, Oklahoma Health Sciences Center, *Stress, Endogenous, Opioid Peptides and the Reinforcement Value of nicotine*, \$1,062, Project Period 1/1/94-12/31/94
- Principal Investigator, Dupont Merck, *Stress, Endogenous, Opioid Peptides and the Reinforcement Value of nicotine*, \$1,670, Project Period 1/1/94-12/31/94

Training Grants Awarded to Students, Post-Doctoral Fellows, & Junior Faculty

- NIDA, R36 (Trainee – Rachel Thayer), *Global Brain Structure and Cognitive Function of Chronic Marijuana Use*, = \$140,126, 8/1/15 – 7/31/17
- NSF Graduate Training Fellowship, (Trainee – Sarah Hagerty), 8/1/15 – 7/31/18
- NSF Graduate Training Fellowship, (Trainee – Hollis Karoly), 8/1/13 – 7/31/16

- K01, NIDA, *The Effects of CNR1 on Brain Function in Cannabis Users* (PI – Francesca Filbey, Ph.D.), \$571,380, Project Period = 3/1/07 - 2/28/12
- NIAAA, F31 (PI – Joe Schacht), *Developing Marijuana Phenotypes*, \$66,981, Project Period = 10/1/06 - 5/31/09
- K01, NIAAA, *NE Transporter Polymorphisms and Alcohol Use Disorders* (PI – Heather Haughey, Ph.D.), \$571,380 Project Period = 9/1/05 - 8/31/10
- NIAAA, F31 (PI – Lara Ray), *Individual Differences in Alcohol Sensitivity*, \$66,981, Project Period = 1/1/04 - 12/31/07
- Colorado Tobacco Research Fund, Dissertation Research Grant (PI – Anna Peters), *Interactive Effects of Nicotine and Alcohol*, \$49,036, Project Period = 6/1/02 - 5/31/04
- NIAAA, F31 AA05561 (PI – Heather LaChance), *Mediators and Moderators of a Brief Intervention for Hazardous Drinkers*, \$66,981, Project Period = 6/1/01 - 5/31/04
- NIDA, R03 (R03DA013182) Dissertation Grant (PI - Amy Helstrom), *A Smoking Intervention for Juvenile Offenders*, \$54,000, Project Period = 9/1/00 - 8/31/02
- NIAAA, F31 AA05561 (PI - John McGeary), *Stress Induced Increases in Alcohol Responses*, \$66,981, Project Period = 6/1/99 - 5/31/02

Refereed Publications:

1. Karoly, H.C., Mueller, R.L., Bidwell, C., **Hutchison, K.E.** (2019). Cannabinoids and the microbiota-gut-brain axis: Emerging effects of cannabidiol and potential applications to alcohol use disorders. *Alcoholism: Clinical and Experimental Research*.
2. **Hutchison, K.E.**, Bidwell, L.C., Ellingson, J.M., & Bryan, A.D. (2019). Cannabis and health research: Rapid progress requires innovative research designs. *Value in Health, 22(11)*, 1289-1294.
3. **Hutchison, K.E.**, Hagerty*, S.L., Galinkin, J., Bryan, A.D., & Bidwell, L.C. (2019). Cannabinoids, pain, and opioid use reduction: The importance of distilling and disseminating existing data. *Cannabis and Cannabinoid Research, 4(3)*, 158-164.
4. Ellingson, J.M., Bidwell, L.C., Hopfer, C.J., **Hutchison, K.E.**, & Bryan, A.D. (2019). Correlates and potential confounds of cannabis withdrawal among high-risk adolescents. *Journal of Studies on Alcohol and Drugs, 80(5)*, 557-562.
5. Chye, Y., et al., (2019). Subcortical surface morphometry in substance dependence: An enigma addiction working group study. *Addiction Biology*.
6. Lin, D., **Hutchison, K.E.**, et al., (2019). Association between the oral microbiome and brain resting state connectivity in smokers. *NeuroImage*.

7. Bidwell, L.C., *Karoly, H.C., Ellingson, J.M., **Hutchison, K.E.** (2019). Exploring the impact of the THC and CBD potency in concurrent users of alcohol and cannabis. *Alcoholism-Clinical and Experimental Research*, 43.
8. Lim, A.C., et al., (2019). Neuroimaging findings from an experimental pharmacology trial of naltrexone in heavy drinkers of East Asian descent. *Drug and Alcohol Dependence*.
9. Bidwell, L.C., *Karoly, H.C., *Thayer, R.E., Claus, E.D., Bryan A.B., Weiland, B.J., *YorkWilliams, S., & **Hutchison, K.E.** (2019). *DRD2* Promoter methylation and measures of alcohol reward: Functional activation of reward circuits and clinical severity. *Addiction Biology*. 24(3), 539-548
10. Thayer*, R.E., YorkWilliams*, S.L., **Hutchison, K.E.**, & Bryan, A.D. (2019). Preliminary results from a pilot study examining brain structure in older adult cannabis users and nonusers. *Psychiatry Research: Neuroimaging*, 285, 58-63.
11. YorkWilliams*, S.L., Gust*, C.J., Mueller*, R., Bidwell, L.C., **Hutchison, K.E.**, Gillman*, A.S., & Bryan, A.D. (2019). The new runner's high? Examining relationships between cannabis use and exercise behavior in states with legalized cannabis. *Frontiers in Public Health*.
12. Hagerty*, S.L., Ellingson, J.M., Bidwell, L.C., Helmuth*, T., **Hutchison, K.E.**, & Bryan, A.D. (2019). An overview and proposed research framework for studying co-occurring mental and physical health dysfunction. *Perspectives on Psychological Science*.
13. Chen, J., **Hutchison, K.E.**, Bryan, A.D., Filbey, F.M., Calhoun, V.D., Claus, E.D., Lin, D., & Liu, J. (2018). Opposite epigenetic modifications between alcohol use and exercise intervention. *Frontiers in Psychiatry*.
14. Hagerty*, S., YorkWilliams*, S., Bidwell, L.C., Yeager, B., Sabineni, A., Blaine, S., Bryan, A.D., & **Hutchison, K.E.** (2018). *DRD2* methylation is associated with executive control network connectivity and severity of alcohol problems. *Addiction Biology*.
15. Karoly*, H.C., Ellingson, J.M., & **Hutchison, K.E.** (2018). Interactions between *TLR4* methylation and alcohol consumption on subjective responses to an alcohol infusion. *Alcohol and Alcoholism*, 53, 650-658.
16. Bidwell, L.C., YorkWilliams*, S., Mueller*, R., Bryan, A., & **Hutchison, K.E.** (2018). Exploring cannabis concentrates on the legal market: User profiles, potencies, and health-related outcomes. *Addictive Behavior Reports*, 8, 102-106.
17. Bidwell, L.C., Mueller*, R., YorkWilliams*, S., Hagerty*, S., Bryan, A.D., & **Hutchison, K.E.** (2018). A novel observational method for assessing acute responses to marijuana: Preliminary validation using legal market strains. *Cannabis and Cannabinoid Research*, 3, 35-44.
18. *Karoly, H. C., Bidwell, L., Mueller, R., & **Hutchison, K.E.** (2018). Investigating the relationships between alcohol consumption, cannabis use and circulating cytokines: a preliminary analysis. *Alcoholism: Clinical and Experimental Research*.

19. Vergara, V.M., Weiland, B.J., **Hutchison, K.E.**, & Calhoun, V.D. (2018). The Impact of Combinations of Alcohol, Nicotine, and Cannabis on Dynamic Brain Connectivity. *Neuropsychopharmacology*, 43, 877-890..
20. *Hagerty, S.L., Ellingson, J.M., & **Hutchison, K.E.** (2017). Biological Systems Are a Common Link Between Alcohol Use Disorder and Co-Occurring Psychiatric and Medical Conditions. *Alcoholism: Clinical and Experimental Research*.
21. *Karoly, H.C., *Thayer, R.E., *Hagerty, S.L., & **Hutchison, K.E.** (2017). TLR4 Methylation Moderates the Relationship Between Alcohol Use Severity and Gray Matter Loss. *Journal of Studies on Alcohol and Drugs*, 78, 696-705.
22. Mayer, A.R., Hanlon, F.M., Claus, E.D., Dodd, A.B., Miller, B., Mickey, J., Quinn, D.K., *Hagerty, S.L., Seaman, B. & **Hutchison, K.E.** (2017). An Examination of Behavioral and Neuronal Effects of Comorbid Traumatic Brain Injury and Alcohol Use. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*.
23. Littlewood, R.A., Claus, E.D., Wilcox, C.E., Mickey, J., Arenella, P.B., Bryan, A.D., & **Hutchison, K.E.** (2017). Moderators of smoking cessation outcomes in a randomized-controlled trial of varenicline versus placebo. *Psychopharmacology*.
24. Bidwell, L.C., *Karoly, H.C., **Hutchison, K.E.**, & Bryan, A.D. (2017). ADHD symptoms impact smoking outcomes and withdrawal in response to Varenicline treatment for smoking cessation. *Drug and Alcohol Dependence*, 179, 18-24.
25. *Thayer, R.E., *YorkWilliams, S., *Karoly, H.C., Sabbineni, A., Ewing, S.F., Bryan, A.D., & **Hutchison, K.E.** (2017). Structural neuroimaging correlates of alcohol and cannabis use in adolescents and adults. *Addiction*.
26. Cservenka, A., Courtney, K.E., Ghahremani, D.G., **Hutchison, K.E.**, & *Ray, L.A. (2017). Development, Initial Testing and Challenges of an Ecologically Valid Reward Prediction Error FMRI Task for Alcoholism. *Alcohol & Alcoholism*, 55, 617-624.
27. Gardiner, C.K., *YorkWilliams, S.L., Bryan, A.D., & **Hutchison, K.E.** (2017). Body mass is positively associated with neural response to sweet taste, but not alcohol, among drinkers. *Behavior and Brain Research*, 331, 131-134.
28. Wilcox, C.E., Calhoun, V.D., Rachakonda, S., Claus, E.D., Littlewood, R.A., Mickey, J., Arenella, P.B., **Hutchison, K.E.** (2017). Functional network connectivity predicts treatment outcome during treatment of nicotine use disorder. *Psychiatry Research*, 265, 45-53.
29. Claus, E.D., Feldstein Ewing, S.W., Mangan, R.E., Montanaro, E., **Hutchison, K.E.**, & Bryan, A.D. (2017). Neural mechanisms of risky decision making in adolescents reporting frequent alcohol and/or marijuana use. *Brain Imaging and Behavior*.
30. Vergara, D., Bidwell, L.C., Gaudino, R., Torres, A., Du, G., Ruthenburg, T.C., **Hutchison, K.E.**, & Kane, N.C. (2017). Compromised External Validity: Federally Produced Cannabis Does Not Reflect Legal Markets. *Science Reports*, 7, 46528.

31. Wilcox C.E., Claus E.D., Calhoun V.D., Rachakonda S, Littlewood R.A., Mickey J, Arenella P.B., Goodreau N, **Hutchison K.E.** (2017). Default mode network deactivation to smoking cue relative to food cue predicts treatment outcome in nicotine use disorder. *Addiction Biology*.
32. Vergara, V.M., Mayer, A.R., Damaraju, E., **Hutchison, K.E.**, Calhoun, V.D. (2017). The effect of preprocessing pipelines in subject classification and detection of abnormal resting state functional network connectivity using group ICA. *Neuroimage*, 145, 365-376.
33. *Hagerty, S.L., Bidwell, L.C., Harlaar, N., **Hutchison, K.E.** (2016). An Exploratory Association Study of Alcohol Use Disorder and DNA Methylation. *Alcoholism: Clinical and Experimental Research*, 40, 1633-1640.
34. *Thayer, R.E., *Hagerty, S.L., Sabbineni, A., Claus, E.D., **Hutchison, K.E.**, Weiland, B.J. (2016). Negative and Interactive Effects of Sex, Aging and Alcohol Abuse on Gray Matter Morphometry. *Human Brain Mapping*, 37, 2276–2292.
35. Plis, S. M., Sarwate, A. D., Wood, D., Dieringer, C., Landis, D., Reed, C., **Hutchison, K.E.**, Calhoun, V. D. (2016). COINSTAC: A Privacy Enabled Model and Prototype for Leveraging and Processing Decentralized Brain Imaging Data. *Frontiers in Neuroscience*, 10, 365.
36. Courtney, K.E., *Schacht, J.P., **Hutchison, K.E.**, Roche, D.J.O., *Ray, L.A. (2016). Neural substrates of cue reactivity: association with treatment outcomes and relapse. *Addiction Biology*, 21, 3-22.
37. Monnig, M.A., Yeo, R.A., Tonigan, J.S., MccCrady, B.S., **Hutchison, K.E.** (2015). Associations of white matter microstructure with clinical and demographic characteristics in heavy drinkers, *PloS One*.
38. *Karloly, H.C., *YorkWilliams, S.L., & **Hutchison, K.E.** (2015). Clinical neuroscience of addiction: similarities and differences between alcohol and other drugs, *Alcoholism: Clinical and Experimental Research*, 39, 2073-2084.
39. Gillman, A. S., **Hutchison, K. E.**, & Bryan, A. D. (2015). Cannabis and Exercise Science: A Commentary on Existing Studies and Suggestions for Future Directions. *Sports Medicine*, 1-7.
40. Bujarski, S., **Hutchison, K.E.**, Roche, D.J.O., *Ray, L.A., (2015). Factor Structure of Subjective Responses to Alcohol in Light and Heavy Drinkers. *Alcoholism: Clinical and Experimental Research*.
41. Chen, J., **Hutchison, K.E.**, Calhoun, V.D., Claus, E.D., Turner, J.A., Sui, J., & Liu, J. (2015). CREB-BDNF pathway influences alcohol cue-elicited activation in drinkers. *Human Brain Mapping*.
42. Kalyanam, R., Boutte, D., **Hutchison, K.E.**, & Calhoun, V. D. (2015). Application of ICA to realistically simulated 1H-MRS data. *Brain and Behavior*.
43. *Hagerty, S. L., *YorkWilliams, S. L., Mittal, V. A., & **Hutchison, K.E.** (2015). The cannabis conundrum: Thinking outside the THC box. *The Journal of Clinical Pharmacology*.
44. Littlewood, R. A., Claus, E. D., Arenella, P., Bogenschutz, M., *Karloly, H., Ewing, S.W.F, Bryan, A.D., & **Hutchison, K. E.** (2015). Dose specific effects of olanzapine in the treatment of alcohol dependence. *Psychopharmacology*, 232(7), 1261-1268.

45. Weiland, B. J., Sabbineni, A., Calhoun, V. D., Welsh, R. C., & **Hutchison, K. E.** (2015). Reduced executive and default network functional connectivity in cigarette smokers. *Human Brain Mapping*, 36(3), 872-882.
46. Weiland, B. J., *Thayer, R. E., Depue, B. E., Sabbineni, A., Bryan, A. D., & **Hutchison, K. E.** (2015). Daily marijuana use is not associated with brain morphometric measures in adolescents or adults. *The Journal of Neuroscience*, 35(4), 1505-1512.
47. Bujarski, S., **Hutchison, K. E.**, Prause, N., & *Ray, L. A. (2015). Functional significance of subjective response to alcohol across levels of alcohol exposure. *Addiction Biology*.
48. Niculescu, M., Cerullo, K. J., Hess, K., Rupslaukyte, R. E., Stoothoff, B., Enman, N., Hetsterberg, K., Manza, L., & **Hutchison, K. E.** (2015). The involvement of the CNR1 gene in impulsivity and stress response in alcohol-related behaviors. *Drug and Alcohol Dependence*, 146, e51.
49. *Karoly, H.C., Weiland, B.J., Sabbineni, A., **Hutchison, K.E.** (2014). Preliminary functional MRI results from a combined stop-signal alcohol-cue task. *Journal of Studies on Alcohol and Drugs*, 75(4), 664-73.
50. *Ray, L.A., Courtney, K.E., **Hutchison, K.E.**, MacKillop A.G., Galvan, A., & Ghahremani, D.G. (2014). Initial evidence that OPRM1 genotype moderates ventral and dorsal striatum functional connectivity during alcohol cues. *Alcoholism: Clinical and Experimental Research*, 38, 78-89.
51. Weiland, B. J., Sabbineni, A., Calhoun, V. D., Welsh, R. C., Bryan, A. D., Jung, R. E., Mayer, A.R., & **Hutchison, K. E.** (2014). Reduced left executive control network functional connectivity is associated with alcohol use disorders. *Alcoholism: Clinical and Experimental Research*, 38(9), 2445-2453.
52. Liu, J., Claus, E.D., Calhoun, V.D., & **Hutchison K.E.** (2014). Brain Regions Affected by Impaired Control Modulate Responses to Alcohol and Smoking Cues. *Journal of Studies on Alcohol and Drugs* 75(5), 808.
53. Feldstein Ewing, S.W., *Karoly, H., **Hutchison, K.E.** (2014). How genomics can bring us towards health equity. *Addiction*, 109(5),823-4.
54. Monning, M.A., *Thayer, R.E., Caprihan, A., Claus, E.D., Yeo, R.A., Calhoun, V.D., **Hutchison, K.E.** (2014). White matter integrity is associated with alcohol cue reactivity in heavy drinkers. *Brain and Behavior*, 4, 158-170.
55. *Karoly, H.C., *Hagerty, S.L., **Hutchison, K.E.** (2014). Developing neurobiological endophenotypes that reflect failure to control alcohol consumption and dependence. *Current Addiction Reports*, 1(1),10-18.
56. Henry, E.A., Kaye, J.T., Bryan, A.D., **Hutchison, K.E.**, Ito, T.A. (2014). Cannabis cue reactivity and craving among never, infrequent, and heavy cannabis users. *Neuropsychopharmacology*, 39, 1214-1221.
57. Harlaar, N., Bryan, A.D., *Thayer, R.E., *Karoly, H.C., Oien, N., **Hutchison, K.E.** (2014). Methylation of a CpG site near the ALDH1A2 gene is associated with loss of control over drinking and related

phenotypes. *Alcoholism: Clinical and Experimental Research*, 38 (3), 713-721

58. Bryan, A.D., Magnan, R.E., Hooper, A.E., Ciccolo, J.T., Marcus, B., **Hutchison, K.E.** (2013). Colorado stride (COStride): testing genetic and physiological moderators of response to an intervention to increase physical activity. *International Journal of Behavioral Nutrition and Physical Activity*, 10(1),139.
59. Magnan, R.E., Callahan, T.J., Ladd, B.O., Claus, E.D., **Hutchison, K.E.**, Bryan, A.D. (2013). Evaluating an integrative theoretical framework for HIV sexual risk among juvenile justice involved adolescents. *Journal of AIDS and Clinical Research*, 4.
60. *Thayer, R.E., Callahan, T.J., Weiland, B.J., **Hutchison, K.E.**, Bryan, A.D. (2013). Associations between fractional anisotropy and problematic alcohol use in juvenile justice-involved adolescents. *The American Journal of Drug and Alcohol Abuse*, 39(6),365-371.
61. Harlaar, N. & **Hutchison, K.E.** (2013). Alcohol and the methylome: Design and analysis considerations for research using human samples. *Drug and Alcohol Dependence*, 133(2),305-316.
62. *Thayer, R.E. & **Hutchison, K.E.** (2013). Neuroimaging in clinical studies of craving: Importance of reward and control networks. *Psychology of Addictive Behaviors*, 27(2), 543-546.
63. Kalyanam, R. Boutte, D., Gasparovic, C., **Hutchison, K.E.**, Calhoun, V.D. (2013). Group independent component analysis of MR spectra. *Brain and Behavior*, 3(3), 229-242.
64. Claus, E.D., *Blaine, S.K., Filbey, F.M., Mayer, A.R., **Hutchison, K.E.** (2013). Association between nicotine dependence severity, BOLD response to smoking cues, and functional connectivity. *Neuropsychopharmacology*, 38(12), 2363-2372.
65. *Karloly, H.C., Stevens, C.J., *Thayer, R.E., Magnan, R.E., Bryan, A.D., & **Hutchison, K.E.** (2013). Aerobic exercise moderates the effect of heavy alcohol consumption on white matter damage. *Alcoholism: Clinical and Experimental Research*, 37(9), 1508-1515.
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177. **Hutchison, K.E.** & Swift, R. (1999). Effect of d-Amphetamine on Prepulse Inhibition of the Startle Reflex in Humans. *Psychopharmacology*, 143, 394-400.
178. **Hutchison, K.E.**, Monti, P., Rohsenow, D., Swift, R., Colby, S., Niaura, R., & Gnys, M.A. (1999). Effects of naltrexone and nicotine replacement on smoking cue reactivity. *Psychopharmacology*, 142, 139-143.
179. **Hutchison, K.E.**, Rohsenow, D., Monti, P., Palfai, T., & Swift, R. (1997). Prepulse Inhibition of the startle reflex: Preliminary results on the effects of a low dose of alcohol. *Alcoholism: Clinical and Experimental Research*, 21, 1312-1319.
180. **Hutchison, K.E.**, Collins, F.L., Tassej, J.R., & Rosenberg, E. (1996). Stress, naltrexone, and the reinforcement value of nicotine. *Experimental and Clinical Psychopharmacology*, 4, 431-437.
181. **Hutchison, K.E.**, Stevens, V.M., & Collins, F.L. (1996). Cigarette smoking and the intention to quit among pregnant smokers. *Journal of Behavioral Medicine*, 19, 307-316.
182. **Hutchison, K.E.**, Trombley, R.P., Collins, F.L., Turk, C.L., Carter, L.E., Ries, B.J., Leftwich, M.J.T., & McNeil, D.W. (1996). A comparison of two models of emotion: Can measurement of emotion based on one model be used to make inferences about the other? *Personality and Individual Differences*, 21, 785-789.

TEACHING**Graduate Students:**

Student	Grants Received	Degree	Current Position
John McGeary	F31; K23	Ph.D.	Associate Professor, Brown University
Mark Ilgen	VA Career, R01	Ph.D.	Associate Professor, University of Michigan
Amy Helstrom	VA Career	Ph.D.	Assistant Professor, Boston University
Tracy Giargiari		Ph.D.	Pharmaceutical Industry
Heather LaChance	F31, R01	Ph.D.	Assistant Professor, National Jewish
Lara Ray	F31, R21, R01	Ph.D.	Associate Professor, UCLA
Annie Peters	Tobacco Award	Ph.D.	Post-doc, Hazelden
Laura Sobik		Ph.D.	Post-doc, Texas Womens University
Joe Schacht	F31, K99	Ph.D.	Assistant Professor, MUSC
Sara Blaine	K99/R00	Ph.D.	Assistant Professor, Auburn University
Hollis Karoly	NSF Fellowship	Ph.D.	Assistant Professor, Colorado State University
Rachel Thayer	NIH R36	Ph.D.	Assistant Professor, University of Colorado, Colorado Springs
Sarah Hagerty	NSF Fellowship		Current Student
Sophie YorkWilliams			Current Student
Raeghan Mueller			Current Student

Post-doctoral Trainees:

Trainee	Grant Support	Current Position
Hollis Karoly		Assistant Professor, Colorado State University
Jarrod Ellingson	K01	Assistant Professor, University of Colorado School of Medicine
Barbara Yaeger	K01	Medical School Liason, Women's Health, Bayer US LLC
Nicole Harlaar	K99	Assistant Adjoint Professor, University of Colorado School of Medicine
Heather Haughey	K01	Assistant Professor, University of Virginia
Francesca Filbey	K01	Professor, UT Dallas
Michelle Niculescu	T32	Assistant Professor, Lebanon Valley College
Alan Kaiser		QC Director, Sciona
Sarah Feldstein Ewing	R01	Professor, Oregon Health and Sciences University
Eric Claus	R21, R01	Research Scientist, Mind Research Network

Undergraduate Funded and Honors Students:

Rae Hicks, received UROP funding, graduated Magna Cum Laude, 1999

Frank Kunik, received UROP funded, graduated Magna Cum Laude, 2000

Vinnie Darkangelo, received UROP funding, graduated Magna Cum Laude, 2000

John Atkins, graduated Cum Laude, 2000

Erin Jurich, received UROP funding, gradated Magna Cum Laude, 2002

Aaron Grossberg, received UROP funding, graduated Suma Cum Laude, 2002

Aileen Hartzel, graduated Magna Cum Laude, 2003

Ashleigh Golub, graduated Suma Cum Laude, 2004

Erin Marshall, graduated Magna Cum Laude, 2004

Delaney Keefe, graduated Magna Cum Laude, 2004
Ginger Kite, graduated Magna Cum Laude, 2004
Michael Levin, received UROP funding, graduated Suma Cum Laude, 2005
Laura Vanderdrift, received UROP funding, graduated Magna Cum Laude, 2006
Claudia Winkler, graduated Magna Cum Laude, 2006
Alyssa Schlenz, graduated Suma Cum Laude, 2006
Amy Nuttall, graduated Suma Cum Laude, 2006
Kirsten Hesterberg, graduated Suma Cum Laude, 2007
Brittney Acre, graduated, 2013
James Tuttle, graduated, 2013
Layne Hubbard, graduated, 2014
Lauren Borchers, graduated 2016
Timothy Helmuth, received UROP-SURF funding, Imogene Jacobs Award, graduated Summa Cum Laude, 2017
Alexander Neapolitan, received BSI funding, graduated 2018

PROFESSIONAL SERVICE

Grant Review:

Pennsylvania Department of Public Health (2018)
NIH/ NIAAA, Alcohol Neuroscience (AA-4), (2011-2015)
NIH/NIAAA, Alcohol Epidemiology (AA-2), (2009-2011)
NIH/NIDA, Medication Development (NIDA-L), (2006-2010)
NIH/NIAAA, Clinical and Treatment Subcommittee, (2002-2006)
NIH/CSR, Risk, Prevention and Intervention for Addictions (2006)
NIH/NIDA, Medications Development (July, 2005)
NIH/NIDA, Medications Development Panel, (February, 2005)
NIH/NIAAA, Special Emphasis Panel ZAA1 CC (Chair - April, 2004)
NIH/NIDA, Medications Development Center Review (January, 2004)
NIH/NIDA, Translating Tobacco Addiction Research to Treatment (June, 2003)
NIH/CSR Risk, Basic Biobehavioral Processes 1 Study Section (Ad-hoc, 2002)
Tobacco-Related Disease Research Program (Ad-hoc, 2001)
NIH/CSR Risk, Prevention, & Health Behavior Integrated Study Section (Ad-hoc, 2001)
NIH/NIMH, ZMH1 (Ad-hoc, 2001)
The Ontario Mental Health Foundation (2001)

Journal Review:

Journal of Abnormal Psychology
Health Psychology
Psychophysiology
Journal of Behavioral Medicine
Personality and Individual Differences
Psychopharmacology
Drug and Alcohol Dependence
Biological Psychiatry
Biological Psychology
Human Mutation

Department and University Service:

Space Committee (2018-2019)

Executive Committee (2013-2015)
Director of Clinical Training (2015-2017)
Strategic Planning Committee (2015-2016)
Salary Committee (2003 – 2007, 2010-2013)
Council for Research and Creative Work (2006-2007)
Chair – Salary Committee (2005-2007)
Neuroscience Search Committee (2006-2007)
Deans Fund for Excellence (2005-2007)
Clinical Search Committee (2004-2005)
Human Research Committee (2000 - 2004)
Behavioral Neuroscience Search Committee (2003 - 2004)
Behavioral Genetic Search Committee (2001-2002)
Co-Chair Colloquium Committee (1999 - 2001)
Clinical Search Committee (2000 - 2001)
Behavioral Neuroscience Search Committee (1998 - 1999)

Selected Invited Presentations and National Service (previous three years):

May 18-20, 2016, “Cognitive Effects of Cannabis on Medical and Recreational Users” The Eleventh National Clinical Conference on Cannabis Therapeutics, Cannabis: Protecting Patients and Reducing Harm
October 2016 IMPACT Network, Denver CO
May 8-9, 2018 “Medical Marijuana: Is it the medical panacea some hope it to be?” Congressional Research Caucus Briefing, hosted by the Coalition for Life Sciences, Washington D.C.
First Annual Center for Medicinal Cannabis (CMCR) Scientific Symposium “Cannabis and Health: Opportunities and Challenges in the New Era” Friday, June 8th, 2018
September 4-5 “Cannabis and Post-Traumatic Stress Disorder: An Assessment of the Evidence” Congressional Briefing, hosted by the University of California Irvine Center for the Study of Cannabis, Washington D.C.
November 1, 2018 Addiction Research Seminar “Alcohol and Cannabis: Neurocognitive, Immune System, and Microbiome Effect,” Medical University of South Carolina and the Charleston Alcohol Research Center, Charleston, South Carolina
November 15, 2018 Vanderbilt University Center for Addiction Research Science Day
NFL Players Association, consultation on cannabis regulations in the NFL, December 2018
December 2018, “Novel approaches to research on cannabis products available in state-regulated markets.” Invited presentation at the American College of Neuropsychopharmacology, Hollywood, Florida.
January 17, 2019 Cannabis Research Summit, Laureate Institute, Tulsa, OK
March 20, 2019 Symposium “The Endocannabinoid System and Medical Implications for Cannabis”, American Neuropsychiatric Association (ANPA), Chicago, IL
March 22, 2019 Canadian Consortium for the Investigation of Cannabinoids (CCIC) Cannabinoids in Clinical Practice, University of Toronto, Toronto, ON Canada
May 20, 2019 Health Impacts of Marijuana: State of the Science and Future Directions, American Thoracic Society International Conference, Dallas, TX