

CURRICULUM VITAE

December 2025

Mark T. Fillmore, Ph.D.
Arts and Sciences Distinguished Professor
UK Research Professor

Department of Psychology
College of Arts and Sciences
University of Kentucky
Lexington KY 40506-0044
Phone: (859) 257-4728
E-mail: fillmore@uky.edu
Link: <http://psychology.as.uky.edu/users/mtfill2>

ACADEMIC BACKGROUND:

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| Ph.D. | Psychology University of Waterloo, 1993 |
| M.A. | Psychology University of Waterloo, 1990 |
| B.A. | Psychology University of New Brunswick, 1988 |

POSITIONS AND APPOINTMENTS:

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| 2024 - | Arts and Sciences Distinguished Professor |
| 2012 - | University of Kentucky Research Professor |
| 2007 - | Professor, Department of Psychology, College of Arts and Sciences, University of Kentucky. |
| 2007 - | Professor, Department of Psychiatry, Department of Behavioral Sciences, College of Medicine (Cross Appointments) |
| 2003 - 2007 | Associate Professor, Department of Psychology, College of Arts and Sciences, University of Kentucky |

Fillmore, M. T.

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| 1999 - 2003 | Assistant Professor, Department of Psychology, College of Arts and Sciences, University of Kentucky |
| 1997 - 1999 | Senior Postdoctoral Research Fellow, Ontario Mental Health Foundation. |
| 1993 - 1999 | Research Professor, Adjunct Assistant Professor, University of Waterloo |

CAREER AND ACADEMIC HONORS:

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| 2024 | University of Kentucky Arts and Sciences Distinguished Professor |
| 2024 | University of Kentucky Alumni Association Great Teacher Award |
| 2021 | University of Kentucky William B. Sturgill Award for Outstanding Contributions to Graduate Education |
| 2012 | University of Kentucky Research Professor |
| 2004 | Elected Fellow, American Psychological Association |
| 1990 | University of Waterloo Alumni Association Gold Medal for Outstanding Achievement in Graduate Research |

RESEARCH GRANTS: AWARDED

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| 2024-2028 | <i>Selective Glucocorticoid Receptor Antagonism in Alcohol Use Disorder: A Human Neuroscience Study.</i> National Institute on Alcohol Abuse and Alcoholism (NIAAA). R01 AA030774. Principal Investigator |
| 2019-2029 | <i>Interdisciplinary Training in Alcohol Research.</i> National Institute on Alcohol Abuse and Alcoholism (NIAAA). T32 AA027488. Principal Investigator |
| 2022-2027 | Linking Impulsivity Domains and Subjective Response to Alcohol in Young Adults Using Lab and Daily Assessment Methods. National Institute on Alcohol Abuse and Alcoholism (NIAAA). R01 AA029488. Co-investigator |
| 2022-2027 | <i>Sex and Sex Hormone Factors Influencing Acute Alcohol Effects on Sleep Physiology.</i> National Institute on Alcohol Abuse and Alcoholism (NIAAA). R01 AA030308. Co-investigator |
| 2021-2026 | Sex Differences in Risk for Alcohol Use Disorder: Neural and Hormonal Influences National Institute on Alcohol Abuse and Alcoholism (NIAAA). |

R01 AA028503. Co-investigator

- 2021-2025 *Impaired Risk Awareness during Intoxication in Recidivist DUI Offenders.* National Institute on Alcohol Abuse and Alcoholism (NIAAA). R01 AA028447. Principal Investigator
- 2020-2025 *Estradiol Effects on Behavioral and Reward Sensitivity to Alcohol across the Menstrual Cycle.* National Institute on Alcohol Abuse and Alcoholism (NIAAA). R01 AA027990. Principal Investigator
- 2013-2017 *Behavioral Dysregulation and Alcohol Sensitivity in Risky Drivers.* National Institute on Alcohol Abuse and Alcoholism (NIAAA). R01 AA021722. Principal Investigator
- 2009-2014 *Alcohol Tolerance and Behavioral Disinhibition in Humans.* National Institute on Alcohol Abuse and Alcoholism (NIAAA). R01 AA018274. Principal Investigator
- 2010-2019 *Acute Effects of Alcohol and Energy Drinks on Behavioral Control.* National Institute on Alcohol Abuse and Alcoholism (NIAAA). R15. Co-investigator.
- 2006-2011 *Mechanisms of Tolerance and Priming in Humans.* National Institute on Alcohol Abuse and Alcoholism (NIAAA). R01 AA012895. Principal Investigator.
- 2006-2009 *Neurocognitive Consequences of Adolescent Drug Use.* National Institute on Drug Abuse (NIDA). R21 DA021027. Principal Investigator.
- 2001-2006 *Cognitive Processes in Cocaine and Polydrug Abuse.* National Institute on Drug Abuse (NIDA). R01. DA014079. Principal Investigator.
- 2001-2004 *Cognitive Mechanisms of Alcohol Abuse.* National Institute on Alcohol Abuse and Alcoholism (NIAAA). R01. AA012895. Principal Investigator.
- 2000 - 2002 *Binge Drinking, Alcohol, and Cognitive Processes.* National Institute on Alcohol Abuse and Alcoholism (NIAAA) R03. AA012738
Principal Investigator.
- 1997 - 1999 *Alcohol and Impaired Inhibitory Self-control: Environmental and Personal Risk Factors.* Alcoholic Beverage Medical Research Foundation. Baltimore MD. Principal Investigator.

- 1997 - 1999 *Inattention and Impulsivity: Processes and Treatment Implications for Behavioral Disinhibition*. Ontario Mental Health Foundation, Toronto, Canada. Principal Investigator.
- 1996 *Information processing under alcohol: Impairment, recovery, and tolerance of processing accuracy and attention*. Alcoholic Beverage Medical Research Foundation. Baltimore MD. Co-investigator.
- 1993 - 1995 *Expectations about Alcohol Effects: Relationships to Behavioral Impairment and Drinking Habits*. Alcoholic Beverage Medical Research Foundation. Baltimore MD. Co-investigator.

CONSULTANT ON FUNDED RESEARCH PROJECTS:

- 2010- 2016 *Evaluation of an intranet-based alcohol prevention program in middle school*. National Institute on Alcohol Abuse and Alcoholism (NIAAA). R01. Principal Investigator: Judy Andrews, Ph.D. Oregon Research Institute.
- 2010- 2013 *Neurocognition and performance after moderate drinking in older adults*. National Institute on Alcohol Abuse and Alcoholism (NIAAA). R01. Principal Investigator: Sara Jo Nixon, Ph.D. University of Florida
- 2010- 2015 *Acute alcohol effects on impulsivity and risk for drinking and driving*. National Institute on Alcohol Abuse and Alcoholism (NIAAA). R01. Principal Investigator: Denis McCarthy, Ph.D. University of Missouri-Columbia
- 2010-2013 High precision web-based cognitive and neuropsychological testing for substance abuse. National Institute on Drug Abuse (NIDA). SBIR Contract. Principal Investigator: Sean Draine, Ph.D. Millisecond Software LLC. Seattle WA.

OTHER FUNDED RESEARCH ACTIVITIES:

- 2014-2015 Mentor/Advisor: National Institute of Health (NIH) – Kentucky Biomedical Research Infrastructure Network (KBRIN). KBRIN-IDeA Grant. *The Effects of Energy Drinks on Cardiovascular Measures and Sport Performance*. Principal Investigator: Will Peveler, Ph.D.
- 2012-2017 External Advisory Member: NIAAA P50 AA021099. *Translational Studies on Early Life Stress and Vulnerability to Alcoholism*.
- 2007 - 2018 Co-investigator: Center for Prevention Research: NIDA P50 DA 05312. Principal Investigator/Director: Mike Bardo, Ph.D.

- 2000 - present Training Faculty: *Research Training in Drug Abuse Behavior*. National Institute on Drug Abuse (NIDA). T32-DA07304. Principal Investigator/Director: Craig R. Rush, Ph.D.
- 2000 - present Faculty Associate: Multidisciplinary Research Center on Drug and Alcohol Abuse. Lexington KY. Principal Investigator/Director: Sharon Walsh, Ph.D.
- 2005 – present Faculty Mentor: University of Kentucky, UK Building Interdisciplinary Research Careers in Women’s Health (BIRCWH). Principal Investigator/Director: Tom Curry, Ph.D.

EDITORIAL AND REVIEW ACTIVITIES:

Review Activities:

- 2025 National Institutes of Health. Review Panel for Special Emphasis Panel/Scientific Review Group 2025/01 ZRG1 ICN-L (94)
- 2024 National Institutes of Health. Review Panel for Special Emphasis Panel/Scientific Review Group 2025/01 ZAA1 GG (03) M
- 2022 National Institutes of Health. Review Panel for ZDA1 SKM-D (01) S NIDA and NIAAA Institutional Research Training Grant (T32/T35)
- 2021 *National Institutes of Health*. Review Panel for ZAA1 GG (32) L NIAAA Individual Fellowships (F30, F31, F32)
- 2021 National Institutes of Health. Review Panel for ZDA1 SKM-D (01) S NIDA and NIAAA Institutional Research Training Grant (T32/T35)
- 2020 *National Institutes of Health*. Committee Chair for Review Subcommittee Conflict Panel, NIAAA. ZAA1 DD (02)
- 2015 – 2021 *National Institutes of Health*. Center for Scientific Review: Cognition and Perception. Initial Review Group, Chartered Member.
- 2015 *National Institutes of Health*. Initial Review Group. Clinical, Treatment and Health Services Research Review Subcommittee. NIAAA. AA-3.
- 2014 *National Institutes of Health*. Initial Review Group. Biobehavioral and Behavioral Processes. Cognition and Perception (CP)
- 2012 - 2013 *National Institutes of Health*. Drugged Driving: Future Research Directions: Phases I and II. Small Business Innovation Research.
- 2012 *Center for Disease Control and Prevention*. CE12-006, U01 Alcohol-related Motor Vehicle Injury Research. Special Emphasis Panel.
- 2012 *National Institutes of Health*. Adult Psychopathology and Disorders of Aging (APDA). Member Conflict Panel.
- 2011 *National Institutes of Health*. Child and Adolescent Psychopathology. ZRG1 BBBP-D (02) M. Member Conflict Panel.

- 2006 - 2010 *National Institutes of Health*. Adult Psychopathology and Disorders of Aging (APDA). Initial Review Group, Chartered Member
- 2009 *National Institutes of Health*. Initial Review Group *ad hoc* reviewer for: Special Emphasis Panel/Scientific Review Group 2009/10 ZAA1 DD
- 2005 *National Institutes of Health*. Initial Review Group *ad hoc* reviewer for:
- Adult Psychopathology and Disorders of Aging (APDA)
- 2004 *National Institutes of Health*. Initial Review Group, *ad hoc* reviewer for:
- Adult Psychopathology and Disorders of Aging (APDA)
- Biobehavioral and Behavioral Processes. Cognition and Perception
- NIDA/E. Drug Abuse Treatment
- NIDA. Special Emphasis Panel. B/START
- Special Emphasis Panel - RFA: Cognitive Processes in Adolescent Drug Abuse
- 2003 *National Institutes of Health*. Initial Review Group, *ad hoc* reviewer for: NIDA-K, Training and Career Development Subcommittee
- 2003 *Ontario Mental Health Foundation*. Intermediate Research Fellowships. External Reviewer.
- 2002 *National Institutes of Health*. Special Emphasis Panel Reviewer for RFA AT-02-001, The Placebo Effect in Clinical Practice.
- 2002 *National Institutes of Health*. Initial Review Group, Temporary Member for Biobehavioral and Behavioral Processes (4). Cognition and Perception.
- 2002 *Department of Veterans Affairs*. External Reviewer

Editorial Board Member:

Psychology of Addictive Behaviors: 1999-present.
Journal of Studies on Alcohol and Drugs: 2000 - present
Drug and Alcohol Dependence Reports: 2021-present
Experimental and Clinical Psychopharmacology: 2001 – 2006

Ad Hoc Reviewer for (partial list):

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| <i>Journal of Abnormal Psychology</i> | <i>Addiction</i> |
| <i>Drug and Alcohol Dependence</i> | <i>Psychopharmacology</i> |
| <i>Alcoholism: Clinical and Experimental Research</i> | <i>Neuropsychopharmacology</i> |
| <i>Learning & Behavior</i> | <i>Perceptual and Motor Skills</i> |
| <i>Accident Analysis and Prevention</i> | <i>Archives of General Psychiatry</i> |
| <i>Psychological Bulletin</i> | <i>Neuropsychologia</i> |
| <i>Neuroscience and Biobehavioral Reviews</i> | <i>American Journal on Addictions</i> |

PUBLICATIONS:

Book Chapters:

Fillmore, M. T. and Weafer, J. (2013). Behavioral inhibition and addiction. In J. MacKillop and

- H. de Wit (eds.), *The Wiley-Blackwell Handbook of Addiction Psychopharmacology*. West Sussex UK: John Wiley and Sons Limited, pp. 135-164.
- Fillmore, M. T. (2012). Drug abuse and behavioral disinhibition. In J. C. Verster, P. Conrod, K. Brady, and M. Galanter (eds.), *Drug Abuse and Addiction in Mental Illness: Causes, Consequences and Treatment*, New York, NY: Springer Publishing, pp. 25-34.
- Vogel-Sprott, M. and Fillmore, M. T. (2011). Learning, expectancy, and behavioral control: implications for drug abuse. In T. Schachtman and S. Reilly (eds.), *Associative Learning and Conditioning: Human and Animal Applications*. New York: Oxford University Press., pp. 213-234.
- Fillmore, M. T. and Weafer, J. (2011). Impaired inhibitory control as a mechanism of drug addiction. In M. Bardo, D. Fishbein, and R. Milich (eds.), *Inhibitory Control and Drug Abuse Prevention: From Research to Translation*, New York, NY: Springer Publishing, pp. 85-100.
- Fillmore, M. T. (2009). Alcohol and cognitive functions. In L. Sher, I. Kandel, and J. Merrick (eds.), *Alcohol Related Cognitive Disorders: Research and Clinical Perspectives*. Hauppauge, NY: Nova Publishers., pp. 159-175.
- Fillmore, M. T. and Vogel-Sprott, M. (2006). Acute effects of alcohol and other drugs on automatic and intentional control. In R. W. Weirs and A. W. Stacy (eds.), *Handbook on Implicit Cognition in Addiction*, London UK: Sage Publications., pp. 293-306.
- Fillmore, M. T. (2002). Impulsivity as impaired inhibition: effects of ethanol. In Problems of Drug Dependence. NIDA Research Monograph Series. No 182, pp. 66-67.
- Fillmore, M. T. (1999). Behavioral effects of caffeine: The role of drug-related expectancies. In B.S. Gupta and U. Gupta (eds.), *Caffeine and Behavior: Current Views and Research Trends*. Boca Raton, Florida: CRC Press LLC., pp. 207-219.
- Vogel-Sprott, M. and Fillmore, M. T. (1999). Learning theory and research. In K.E. Leonard and H.T. Blane (eds.), *Psychological Theories of Drinking and Alcoholism, 2nd Edition*. New York: Guilford Press., pp. 292-327.
- Vogel-Sprott, M. and Fillmore, M. T. (1999). Expectancy and behavioral effects of socially-used drugs. In I. Kirsch (ed.), *Expectancy, Experience and Behavior*. Washington, DC: American Psychological Association., pp. 215-232.

Refereed Publications: * denotes graduate or post-doctoral student under my supervision

- *Griffith, A. K. and Fillmore, M. T. (2025). Sex differences in acute tolerance to the objective and subjective effects of alcohol. *Pharmacology, Biochemistry, and Behavior*. 257, Article 17411, <https://doi.org/10.1016/j.pbb.2025.174111>
- *Heymsfeld, S. A. and Fillmore, M. T. (2025). Self-underestimation of BAC as a predictor of risky driving in heavy drinkers. *Drug and Alcohol Dependence*. 272, Article 112682, <https://doi.org/10.1016/j.drugalcdep>.
- *McGarrigle, W. J., *Griffith, A. K., Martel, M. M., and Fillmore, M. T. (2025). Menstrual cycle phase affects alcohol impairment of working memory. (Featured Article of Public Interest). *Alcohol: Clinical and Experimental Research*, 49, 960-960. <https://doi.org/10.1111/acer.70031>

- *Griffith, A. K., Martel, M. M., and Fillmore, M. T. (2024). Attentional bias to alcohol-related cues: effects of menstrual cycle phase and sex differences *Psychopharmacology*, 242, 117-127.
- *Griffith, A. K., Martel, M. M., and Fillmore, M. T. (2024). Effect of menstrual cycle on rewarding properties of alcohol cues in women. *Psychology of Addictive Behaviors*, 38(6), 676–687. <https://doi.org/10.1037/adb0000978>
- *Kelly, A. R., and Fillmore, M. T. (2024). Use of mindfulness training to improve BAC self-estimation during a drinking episode. *Psychology of Addictive Behaviors*, 38(3), 305–314. <https://doi.org/10.1037/adb0000955>
- *Allen, H. C. and Fillmore, M. T. (2023). Cognitive preoccupation with drinking and behavioral effects of alcohol as predictors of current consumption patterns. *Drug and Alcohol Dependence*. <https://doi.org/10.1016/j.drugalcdep.2023.109899>
- *Allen, H. C., Weafer, J., Wesley, M. J. and Fillmore, M. T. (2023). Heightened motor impairment as a protective factor against heavy drinking in those with high alcohol-induced disinhibition. *Alcoholism: Clinical and Experimental Research*. <https://doi.org/10.1111/acer.15003>
- *Griffith, A. K., Martel, M. M., Eisenlohr-Moul, T. and Fillmore, M. T. (2023). Heightened sensitivity to the disinhibiting effect of alcohol in women during the late follicular phase of the menstrual cycle. *Experimental and Clinical Psychopharmacology*, 31, 839-848. <https://doi.org/10.1037/pha0000611>.
- *Allen, H. C., Weafer, J., Wesley, M. J. and Fillmore, M. T. (2022). Sensitivity to the disinhibiting effect of alcohol: The role of trait impulsivity and sex differences. *Psychology of Addictive Behaviors*, 36, 1048–1058. <https://doi.org/10.1037/adb0000839>
- *Allen, H. C., Weafer, J., Wesley, M. J. and Fillmore, M. T. (2021). Acute rewarding and disinhibiting effects of alcohol as indicators of drinking habits, *Psychopharmacology*, 138, 181-191.
- Hershberger, A., Studebaker, A., Fillmore, M. T., Kahler, C., and Cyders, M. (2021). An experimental test of the relationship between electronic nicotine delivery system use and alcohol consumption. *Alcoholism: Clinical and Experimental Research*, 45, 808-818.
- Fillmore, M. T. and *Van Dyke, N. (2020). DUI offenders display reduced perception of intoxication and heightened choice impulsivity in response to alcohol. *Experimental and Clinical Psychopharmacology*, 28, 337-347.
- Goh, P. K., Lee, C. A., Martel, M. M., Fillmore, M. T., Derefinko, K. J., and Lynam, D. R. (2020). Conceptualizing the UPPS-P model of impulsive personality through network analysis: key dimensions and general robustness across young adulthood. *Journal of Personality*, 88, 1302-1314. doi.org/10.1111/jopy.12572
- *D'Agostino, A.R., *Brown, J., and Fillmore, M.T. (2020). Redundant visual signals reduce the intensity of alcohol impairment, *Drug and Alcohol Dependence*. 1;209:107945. doi: 10.1016/j.drugalcdep.2020.107945. Epub 2020 Feb 27. PMID: 32151879; PMCID: PMC7127954.
- *D'Agostino, A.R., Wesley, M.J., *Brown, J., and Fillmore, M.T. (2019). Effects of multisensory stop signals on alcohol-induced disinhibition in adults with ADHD. *Experimental and Clinical Psychopharmacology*, 27, 247-256.

- *Monem, R. and Fillmore, M.T. (2019). Alcohol administration reduces attentional bias to alcohol-related but not food-related cues: Evidence for a satiety hypothesis. *Psychology of Addictive Behaviors*, 33, 677-684.
- Roberts, W., Moore, K., Pittman, B.P., Fillmore, M.T., and McKee, S.A. (2019). High risk of alcohol-impaired driving in adults with comorbid alcohol and substance use disorders in the U.S. population. *Journal of Studies on Alcohol and Drugs*, 80, 114–119.
- Marczinski, C. A., Fillmore, M. T., Stamates, A. L., and Maloney, S. F. (2018). Alcohol-induced impairment of balance is antagonized by energy drinks. *Alcoholism: Clinical and Experimental Research*, 42, 144-152.
- *Monem, R. G. and Fillmore, M. T. (2017). Measuring heightened attention to alcohol in a naturalistic setting: A validation study. *Experimental and Clinical Psychopharmacology*, 25, 496-502.
- *Roberts, W. and Fillmore, M. T. (2017). Curbing the DUI offender's self-efficacy to drink and drive: A laboratory study. *Drug and Alcohol Dependence*, 172, 73-79.
- Marczinski, C. A., Fillmore, M. T., Maloney, S. F., and Stamates, A. L. (2017). Faster self-paced rate of drinking for alcohol mixed with energy drink versus alcohol alone. *Psychology of Addictive Behaviors*, 31, 154-161.
- Wesley, M. J. Lile, J. A., Fillmore, M. T. and Porrino, L. J. (2017). Neurophysiological capacity in a working memory task differentiates dependent from nondependent heavy drinkers and controls. *Drug and Alcohol Dependence*, 175, 24-35.
- *Van Dyke, N. and Fillmore, M. T. (2017). Laboratory analysis of risky driving at 0.05% and 0.08% blood alcohol concentration. *Drug and Alcohol Dependence*, 175, 127-132.
- *Monem, R. G. and Fillmore, M. T. (2016). Alcohol-related visual cues impedes the ability to process auditory information: seeing but not hearing, *Psychology of Addictive Behaviors*, 30, 12-17.
- Marczinski, C. A., Fillmore, M. T., Stamates, A. L., and Maloney, S. F. (2016). The desire to drink alcohol is enhanced with high caffeine energy drink mixers. *Alcoholism: Clinical and Experimental Research*, 40, 1982-1990
- Weafer, J. & Fillmore, M. T. (2016). Low dose alcohol effects on measures of impulsive behavior. *Current Addiction Reports*, 3, 75-84.
- *Roberts, W. Milich, R., and Fillmore, M. T. (2016). The effect of preresponse cues on inhibitory control and response time in adults with ADHD. *Journal of Attention Disorders*, 20, 317-324.
- *Roberts, W., *Monem, R. G., and Fillmore, M. T. (2016). Multisensory stop signals can reduce the disinhibiting effects of alcohol in healthy adults, *Alcoholism: Clinical and Experimental Research*, 40, 591-598
- *Laude, J. R. and Fillmore, M. T. (2016). Drivers who self-estimate lower blood alcohol concentrations are riskier drivers after drinking. *Psychopharmacology*, 233, 1387-1394.
- *Van Dyke, N. and Fillmore, M. T. (2015). Distraction produces over-additive increases in the degree to which alcohol impairs driving performance. *Psychopharmacology*, 232, 4277-4284.
- *Van Dyke, N. and Fillmore, M. T. (2015). Operant responding for alcohol following alcohol cue exposure in social drinkers. *Addictive Behaviors*, 47, 11-16.

- *Laude, J. R. and Fillmore, M. T. (2015). Simulated driving performance under alcohol: effects on driver-risk versus driver-skill. *Drug and Alcohol Dependence*, 154, 271-277.
- *Laude, J. R. and Fillmore, M. T. (2015). Alcohol cues impair learning inhibitory signals in beer drinkers. *Alcoholism: Clinical and Experimental Research*, 39, 880-886.
- *Weafer, J. and Fillmore, M. T. (2015). Alcohol-related cues potentiate alcohol impairment of behavioral control in drinkers. *Psychology of Addictive Behaviors*, 29, 290-299.
- *Roberts, W. and Fillmore, M. T. (2015). Attentional bias to alcohol-related stimuli as an indicator of changes in motivation to drink following a dose of alcohol. *Psychology of Addictive Behaviors*, 29, 63-70.
- Hamilton, K., Mitchell, M., Wing, V., Balodis, I., Bickel, W., Fillmore, M., Lane, S., Lejuez, C., Littlefield, A., Luijten, M., Mathias, C., Mitchell, S., Napier, T., Reynolds, B., Schutz, C., Barry, S., Sher, K., Swann, A., Tedford, S., White, M., Winstanley, C., Yi, R., Potenza, M., and Moeller, F. (2015). Choice impulsivity: definitions, measurement issues, and clinical implications. *Personality Disorders: Theory, Research, and Treatment*, 6, 182-198.
- *Miller, M. A. and Fillmore, M. T. (2014). Cognitive and behavioral preoccupation with alcohol in recidivist DUI offenders. *Journal of Studies on Alcohol and Drugs*, 75, 1018-1022.
- *Van Dyke, N. and Fillmore, M. T. (2014). Alcohol effects on simulated driving performance and self-perceptions of impairment in DUI offenders. *Experimental and Clinical Psychopharmacology*, 22, 484-493.
- Marks, K., Roberts, W., Stoops, W. Pike, E., Fillmore, M. T., and Rush, C. R. (2014). Fixation time is a sensitive measure of cocaine cue attentional bias. *Addiction*, 109, 1501-1508.
- *Van Dyke, N. and Fillmore, M. T. (2014). Acute effects of alcohol on inhibitory control and simulated driving in DUI offenders. *Journal of Safety Research*, 49, 5-11.
- *Miller, M. A. and Fillmore, M. T. (2014). Protracted impairment of impulse control under an acute dose of alcohol: A time course analysis. *Addictive Behaviors*, 39, 1589-1596.
- Marczinski, C. A. and Fillmore, M. T. (2014). Energy drinks mixed with alcohol: What are the risks? *Nutrition Reviews*, 72, 98-107.
- Sklar, A. L., Boissoneault, J., Fillmore, M. T., and Nixon, S. J. (2014). Interactions between age and moderate alcohol effects on simulated driving performance, *Psychopharmacology*, 231, 557-566.
- *Roberts, W., *Miller, M., *Weafer, J., and Fillmore, M. T. (2014). Heavy drinking and the role of inhibitory control of attention. *Experimental and Clinical Psychopharmacology*, 22, 133-140.
- *Miller, M. A. and Fillmore, M. T. (2013). Can the use of multiple stop signals reduce the disinhibiting effects of alcohol? *Alcoholism: Clinical and Experimental Research*, 37, 1947-1953.
- *Weafer, J. and Fillmore, M. T. (2013). Acute effects of alcohol on attentional bias in heavy and moderate drinkers. *Psychology of Addictive Behaviors*, 27, 32-41.
- *Pike, E., Stoops, W. W., Fillmore, M. T., and Rush, C. R. (2013). Drug-related stimuli impair inhibitory control in cocaine users. *Drug and Alcohol Dependence*, 133, 768-771.
- Marczinski, C. A. and Fillmore, M. T. (2013). Letter to the editor in response to the alcohol mixed with energy drinks debate: masking the facts! *Alcoholism: Clinical and*

- Experimental Research*, 37, 706-708.
- *Roberts, W., Milich, R., and Fillmore, M. T. (2013). Reduced acute recovery from alcohol impairment in adults with ADHD. *Psychopharmacology*, 228, 65-74.
 - Marczinski, C. A., Fillmore, M. T., Henges, A. L., Ramsey, M. A., and Young, C. R. (2013). Energy drinks enhance alcohol-induced priming of the motivation to drink in college student social drinkers. *Alcoholism: Clinical and Experimental Research*, 37, 276-283.
 - Fillmore, M. T. (2012). Understanding how alcohol affects decisions to drive while intoxicated: the need to deconstruct impulsivity: Commentary. *Addiction*, 107, 2115-2116.
 - *Eisenlohr-Moul, T., Fillmore, M. T., and Segerstrom, S. (2012). "Pause and plan" includes the liver: self-regulatory effort slows alcohol metabolism for those low in self-control. *Biological Psychology*, 91, 229-231.
 - *Miller, M. A., Hays, L. R., and Fillmore, M. T. (2012). Lack of tolerance to the disinhibiting effects of alcohol in heavy drinkers. *Psychopharmacology*, 224, 511-518.
 - *Weafer, J. and Fillmore, M. T. (2012). Comparison of alcohol impairment of behavioral and attentional inhibition. *Drug and Alcohol Dependence*, 126, 176-182.
 - *Roberts, W. Milich, R., and Fillmore, M. T. (2012). Constraints on information processing capacity in adults with ADHD. *Neuropsychology*, 26, 695-703.
 - *Weafer, J. and Fillmore, M. T. (2012). Alcohol-related stimuli reduce inhibitory control of behavior in drinkers. *Psychopharmacology*, 222, 489-498.
 - Fillmore, M. T. and *Weafer, J. (2012). Acute tolerance to alcohol in at-risk binge drinkers. *Psychology of Addictive Behaviors*, 26, 693-702.
 - *Weafer, J. and Fillmore, M. T. (2012). Acute tolerance to alcohol impairment of behavioral and cognitive mechanisms related to driving: drinking and driving on the descending limb. *Psychopharmacology*, 220, 697-706.
 - *Roberts, W., Fillmore, M. T. and Milich, R. (2012). Drinking to distraction: Does alcohol increase attentional bias in adults with ADHD? *Experimental and Clinical Psychopharmacology*, 20, 107-117.
 - Marczinski, C. A., Fillmore, M. T., Henges, A. L., and Ramsey, M. A. (2012). Effects of energy drinks mixed with alcohol on information processing, motor coordination, and subjective reports of intoxication. *Experimental and Clinical Psychopharmacology*, 20, 129-138.
 - Fillmore, M. T. and *Jude, R. (2011). Defining binge drinking as five drinks per occasion or drinking to a 0.08% BAC: Which is more sensitive to risk? *American Journal on Addictions*, 20, 468-475.
 - *Miller, M. A. and Fillmore, M. T. (2011). Persistence of attentional bias toward alcohol-related stimuli in intoxicated social drinkers. *Drug and Alcohol Dependence*, 117, 184-189.
 - *Roberts, W., Fillmore, M. T., and Milich, R. (2011). Linking impulsivity and inhibitory control in adults with ADHD. *Acta Psychologica*, 138, 419-428.
 - Marczinski, C. A., Fillmore, M. T., Bardgett, M., and Howard, M. A. (2011). Effects of energy drinks mixed with alcohol on behavioral control: risks for college students consuming trendy cocktails. *Alcoholism: Clinical and Experimental Research*, 35, 1282-1292.
 - *Adams, Z. W. *Roberts, W. M., Fillmore, M. T., and Milich, R. (2011). Does response variability predict distractibility among adults with attention-deficit/hyperactivity disorder? *Psychological Assessment*, 23, 427-436.

- *Harrison, E. L. and Fillmore, M. T. (2011). Alcohol and distraction interact to impair driving performance. *Drug and Alcohol Dependence*, 117, 31-37.
- *Weafer, J., Milich, R., and Fillmore, M. T. (2011). Behavioral components of impulsivity predict alcohol consumption in adults with ADHD and healthy controls. *Drug and Alcohol Dependence*, 113, 139-146.
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INVITED TALKS AND PRESENTATIONS:

- University of Kansas, Lawrence KS. *“Reinforcing and Disinhibiting Effects of Alcohol and their Role in its Abuse Potential”*
- Rochester Institute of Technology, Rochester NY. *“Impaired Cognitive functioning and its Role in Alcohol Abuse,”* 2020.
- National Institute on Alcohol Abuse and Alcoholism: Workshop on Brief Alcohol Interventions for Young Adults: Strengthening Effects and Disentangling Mechanisms of Action to Build Personalized Interventions for Widespread Uptake, Bethesda MD. *“Alcohol Sensitivity and Brief Alcohol Interventions”*, 2019.
- National Academies of Sciences, Engineering, and Medicine: Committee on Accelerating Progress to Reduce Alcohol-Impaired Driving Fatalities, Washington DC. *“Acute Response to alcohol in the DUI offender”*, 2017.
- University of Buffalo and the Center for Healthy Mobility, Buffalo NY, *“Laboratory studies of DUI offenders: What are we learning?”* 2016.
- American Psychological Society, Washington DC, *“Cognitive bias to alcohol-related stimuli and its effects on impulse control in drinkers. NIAAA sponsored symposium, Implicit Cognitions as Modifiable Targets in Behavioral Interventions”*. 2013
- International Society for Research on Impulsivity, San Francisco CA, *“Choice impulsivity. What is it from a clinical perspective - Workshop and round table discussion”*. 2013
- University of Missouri, Columbia MO, *“Acute response to alcohol as indicators of abuse potential: marks or mechanisms of risk?”*, 2012.
- International Conference on Urban Traffic Safety, Edmonton Canada, *“Behavioral and cognitive functioning: At-risk drivers”*, 2012.
- Traffic Research Injury Foundation, Dallas TX, *“Alcohol impairment and the problem of the impulsive driver: underscoring the need for interlock programs”*. 2011.
- Wake Forest University, Winston-Salem NC, *“Understanding how alcohol impairs mechanisms of self-control: back to basics”*, 2011.
- University of Florida, Gainesville FL, *“Alcohol and risky driving behavior: Is it the driver, the situation, or the drug?”* 2011.
- Oregon Research Institute, Eugene OR, *“Alcohol abuse as a problem of self-control: a look at the mechanisms”*, 2010.
- International Council on Alcohol, Drugs, and Traffic Safety. Oslo, Norway. *“Acute disinhibiting effects of alcohol as a factor in risky driving behavior”*, 2010.
- The University of Amsterdam, Amsterdam, The Netherlands, *“Alcohol abuse as problem of impaired self-control”*, 2009.
- The Johns Hopkins University School of Medicine, Baltimore MD, *“Drug abuse and impaired self-control”*, 2008.
- Alcoholic Beverage Medical Research Foundation, International Medical Advisory Group, Halifax, Canada, *“Alcohol impairment: people differ in their expectancies”*. 2007.
- University of Michigan Substance Abuse Research Center. Symposium on abuse of prescription stimulants. Ann Arbor MI. *“Acute effects of stimulant drug on behavioral*

control", 2006

- National Institute on Drug Abuse. Sponsored symposium on cognitive approaches to addiction. Bethesda MD. "*Drug abuse and behavioral control: learning from cognitive models*", 2005
- Dalhousie University, Halifax, Canada. "*Drug abuse as a problem of self-control: acute effects of alcohol and cocaine in humans*", 2005
- American Psychological Association. New Fellows Address. Division 28, Washington DC. "*Drug effects on attention: learning from cognitive models*", 2005.
- University of Kentucky Distinguished Scholars Lecture, "*The psychology of drug abuse: why it's not always possible to just say no*", 2004
- Alcoholic Beverage Medical Research Foundation, International Medical Advisory Group, Niagara Falls, Canada, "*Alcohol and behavioral control: the vulnerability of inhibitory mechanisms*", 2003.
- Research Institution on Addictions, Buffalo, NY, "*Drug effects on behavioral suppression: much ado about nothing*", 2002.
- Indiana University, Bloomington, IN, "*Drug-induced behavioral impairment: Cognitive concepts of control*", 2000.
- University of New Orleans, New Orleans, LA, "*Understanding deficits in inhibitory control: ADHD and the effect of alcohol*", 1999.
- The Addiction Research Foundation, Toronto, Canada, "*Alcohol impairment among social drinkers: Expectations concerning behavioral effects*", 1996.
- University of Chicago, The Department of Psychiatry, Chicago IL, "*Individual differences in behavioral responses to drugs. The role of drug-related expectancies*", 1996.
- The Johns Hopkins University School of Medicine, Baltimore MD, "*Drug and placebo responses in psychomotor performance: The role of drug-related expectancies*", 1993.

CONFERENCE PAPERS AND PRESENTATIONS:

- McGarrigle, W. J., Griffith, A. K., & Fillmore, M. T. Sensitivity to alcohol-induced impairment of working memory differs across the menstrual cycle. Research Society on Alcohol, Minneapolis MN, 2024.
- Griffith, A. K. & Fillmore, M. T. Sex differences in attentional bias towards alcohol-related cues. Research society on alcohol, Minneapolis MN, 2024.
- Heymsfeld, S. & Fillmore, M. T. Disinhibition and BAC estimation as predictors of risky driving behavior. Research Society on Alcoholism, Minneapolis MN, 2024.
- Masterson, A.P., Kalina, E., Wilson, B.R., Corbin, W.R., Fillmore, M.T., Leeman, R.F. & Hone, L. Acceptability and usability of a smartphone app providing young adults personalized feedback on response inhibition post- versus pre-drinking. Research Society on Alcoholism, Minneapolis MN, 2024.
- Griffith, A. & Fillmore, M. T. The acute rewarding effect of alcohol in women is intensified during ovulation. Research Society on Alcoholism, Bellevue WA, 2023.

- Heymsfeld, S. & Fillmore, M. T. Intoxicated drivers perceive less risk than they anticipate when sober. Research Society on Alcoholism, Bellevue WA, 2023.
- Kelly, A. & Fillmore, M. T. Increasing alcohol risk awareness by providing experiential-based feedback while intoxicated. Research Society on Alcoholism, Orlando, FL, 2022.
- Griffith, A. & Fillmore, M. T. The disinhibiting effect of alcohol in women is intensified by elevated estradiol. Research Society on Alcoholism, Orlando, FL, 2022.
- Allen, H. & Fillmore, M. T. Acute tolerance to alcohol-induced motor impairment as a predictor of at-risk drinking in young adults with ADHD. Research Society on Alcoholism, Orlando, FL, 2022.
- Kelly, A. & Fillmore, M. T. Methods of determining multisensory signal reduction of alcohol impairment. Research Society on Alcoholism, Virtual Meeting, 2021.
- Allen, H. & Fillmore, M. T. Sensitivity to alcohol's effects on motor coordination and inhibitory control as indicators of drinking habits. Research Society on Alcoholism, Virtual Meeting, 2021.
- D'Agostino, A., Allen, H. & Fillmore, M. T. Stress and frequency of drinking and driving in dui offenders. Research Society on Alcoholism, Virtual Meeting, 2020.
- Allen, H., Weafer, J., Wesley, M. & Fillmore, M.T. Individual differences in the acute subjective and disinhibiting effects of alcohol predicting abuse potential. Research Society on Alcoholism, Virtual Meeting, 2020.
- D'Agostino, A., Allen, H. & Fillmore, M. T. Impairing effects of alcohol when responding to redundant signals of the same versus different modalities. Research Society on Alcoholism, Minneapolis MN, 2019.
- Fillmore, M. T. Understanding the recidivist DUI offender by studying their acute reaction to alcohol. Research Society on Alcoholism, San Diego CA, 2018.
- D'Agostino, A. R. & Fillmore, M. T. Using redundant, duplicate signals to reduce alcohol impairment. Research Society on Alcoholism, San Diego CA, 2018.
- Fillmore, M. T. Stress and drinking to cope in recidivist DUI offenders. International Congress on Alcoholism and Stress, Volterra Italy, 2017.
- Fillmore, M. T. Monem, R., & Potter, M. Biased attention to alcohol cues: gender differences in a risk factor for alcohol abuse. International Meeting of the Psychonomics Society, Granada Spain, 2016.
- Van Dyke, N. & Fillmore, M. T. Simulated driving performance under alcohol: an assessment of driver risk-taking behaviors at the current and proposed legal limits for driving, Research Society on Alcoholism, New Orleans, 2016.
- Monem, R. & Fillmore, M. T. An in vivo demonstration testing the habituation of attention to alcohol. Research Society on Alcoholism, New Orleans, 2016.
- Fillmore, M. T. Multisensory techniques to reduce alcohol-related disinhibition. Research Society on Alcoholism, New Orleans, 2016.
- Roberts, W. & Fillmore, M. T. Redundant stop signals reduce the disinhibiting effects of alcohol. Research Society on Alcoholism, San Antonio TX, 2015.
- Laude, J. & Fillmore, M. T. The role of alcohol-induced disinhibition on skill-related and reckless driving behaviors. Research Society on Alcoholism, San Antonio TX, 2015.

- Van Dyke, N. & Fillmore, M. T. Driving with distraction: a simple distraction task exacerbates alcohol-induced impairments in simulated driving performance. Research Society on Alcoholism, San Antonio TX, 2015.
- Van Dyke, N. & Fillmore, M. T. Operant responding for alcohol following alcohol cue exposure in social drinkers. Research Society on Alcoholism, San Antonio TX, 2015.
- Monem, R. & Fillmore, M. T. Alcohol-related stimuli and attentional bias tasks: from photographs to paintings. Research Society on Alcoholism, San Antonio TX, 2015.
- Roberts, W. & Fillmore, M. T. Using the redundant signal effect to strengthen inhibitory control. International Society for Research on Impulsivity, Cambridge UK, 2014.
- Laude, J. & Fillmore, M. T. The role of attentional bias to alcohol-related content in the acquisition of conditioned inhibition in binge drinkers. Research Society on Alcoholism, Bellevue WA, 2014.
- Roberts, W. & Fillmore, M. T. Heavy drinking and the role of inhibitory control of attention. Research Society on Alcoholism, Bellevue WA, 2014.
- Miller, M. & Fillmore, M. T. Attentional bias increases as a function of time since treatment for alcohol use disorder. Research Society on Alcoholism, Bellevue WA, 2014.
- Monem, R. & Fillmore, M. T. Attentional bias to alcohol-related visual cues impedes the ability to process auditory information: seeing but not hearing. Research Society on Alcoholism, Bellevue WA, 2014.
- Van Dyke, N. & Fillmore, M. T. Cue-induced drinking: the role of attentional bias, cognitive preoccupation, and inhibitory control. Research Society on Alcoholism, Bellevue WA, 2014.
- Fillmore, M. T. Differences among behaviors in the time needed to recover from impairment following a dose of alcohol: how such differences contribute to risky drinking. Research Society on Alcoholism, Bellevue WA, 2014.
- Roberts, W. & Fillmore, M. T. Attentional bias to alcohol-related stimuli and the self-reported to desire to drink following a dose of alcohol. College on Problems on Drug Dependence. San Juan, Puerto Rico, 2014
- Fillmore, M. T. Self-regulation and simulated driving performance of DUI offenders in sober and intoxicated states. International Council on Alcohol, Drugs, and Traffic Safety. Brisbane Australia, 2013.
- Fillmore, M. T. & Nicholas Van Dyke. Alcohol effects on simulated driving and mechanisms of self-regulation in DUI offenders. Road Safety and Simulation Conference. Rome Italy, 2013.
- Roberts, W. & Fillmore. Acute effects of alcohol on attentional bias during the ascending and descending limbs. Research Society on Alcoholism, Orlando FL, 2013.
- Miller, M. A. & Fillmore, M. T. Beyond drinking and driving: underlying cognitive and behavioral processes in recidivist DUI offenders. Research Society on Alcoholism, Orlando FL, 2013.
- Weafer, J. & Fillmore, M. T. Alcohol-related cues potentiate alcohol impairment of behavioral control in drinkers. Research Society on Alcoholism, Orlando FL, 2013.
- Van Dyke, N. & Fillmore, M. T. One for the road: DUI offenders underestimate the effects of alcohol on driving ability. Research Society on Alcoholism, Orlando, FL, 2013.

- Roberts, W. & Fillmore, M. T. Acute effects of alcohol on attentional bias towards alcohol-related cues in binge drinkers. Tobii Eye Tracking Conference on Behavioral Research, Boston, MA, 2013
- Marks, K.R., Stoops, W.W., Pike, E., Roberts, W., Fillmore, M.T., & Rush, C.R. Measuring attentional bias to cocaine using eye-tracking technology. Tobii Eye Tracking Conference on Behavioral Research, Boston, MA, 2013
- Fillmore, M. T. Acute responses to drugs of abuse in humans: the role of stimulant use history. American Psychological Association. Orlando FL, 2012.
- Miller, M. A. & Fillmore, M. T. Effects of recent drinking habits on tolerance to alcohol impairment in non-dependent drinkers. Research Society on Alcoholism. San Francisco. CA, 2012.
- Weafer, J. & Fillmore, M. T. Alcohol-related stimuli reduce behavioral control in drinkers. Research Society on Alcoholism. San Francisco CA, 2012.
- Roberts, W. Fillmore, M. T. & Milich, R. Dangerous descent: reduced acute tolerance to alcohol in adults with ADHD. Research Society on Alcoholism. San Francisco. CA, 2012.
- Fillmore, M. T. & Miller, M. Protracted impairment of inhibitory control under an acute dose of alcohol: a time course analysis. European Behavioral Pharmacology Society. Amsterdam, Netherlands, 2011.
- Fillmore, M. T. Acute tolerance to alcohol: do mechanisms of behavioral control show uniform recovery? Research Society on Alcoholism. Atlanta GA, 2011.
- Miller, M. A. & Fillmore, M. T. Using sight and sound to stop drinkers: the risks of being redundant. Research Society on Alcoholism. Atlanta GA, 2011.
- Weafer, J. & Fillmore, M. T. Driving performance is slow to recover from impairment: a problem of the disinhibited driver? Research Society on Alcoholism. Atlanta GA, 2011.
- Roberts, W., Fillmore, M. T., & Milich, M. drinking to distraction: an acute alcohol dose biases attention towards alcohol related stimuli in adults with ADHD. Research Society on Alcoholism. Atlanta GA, 2011.
- Marczinski, C. A., Fillmore, M. T., Bardgett, A. L., Henges, M. A., & Morely, H. C. Enhanced priming effects when alcohol is mixed with energy drinks. Research Society on Alcoholism. Atlanta GA, 2011.
- Weafer, J. & Fillmore, M. T. Deficits in attentional inhibition predict alcohol consumption in adults with ADHD. Research Society on Alcoholism. San Antonio TX, 2010.
- Ostling, E. & Fillmore, M. T. Acute tolerance to alcohol effects on behavioral control and simulated driving performance. Research Society on Alcoholism. San Antonio TX, 2010.
- Miller, M.A. & Fillmore, M.T. The acute effects of alcohol on attentional bias toward alcohol-related stimuli in heavy drinkers. Research Society on Alcoholism. San Antonio TX, 2010.
- Weafer, J. & Fillmore, M. T. Association between alcohol-induced disinhibition of attention and attentional bias towards alcohol-related stimuli. Guze Symposium on Alcoholism. St. Louis MO, 2010
- Fillmore, M. T. Acute disinhibiting effects of alcohol: modeling real-world consequences in the lab. Research Society on Alcoholism. San Diego CA, 2009.

- Weafer, J. & Fillmore, M. T. Increased sensitivity to the disinhibiting effects of alcohol in adults with ADHD. Research Society on Alcoholism. San Diego, CA, 2009.
- Weafer, J. & Fillmore, M. T. Increased sensitivity to the disinhibiting effects of alcohol in adults with ADHD. International Society for Research on Impulsivity. San Diego, CA, 2009.
- Ostling, E. & Fillmore, M. T. Tolerance to alcohol effects on inhibitory and activational mechanisms of behavioral control. Research Society on Alcoholism. San Diego CA, 2009.
- Miller, M.A., Weafer, J., & Fillmore, M.T. Gender differences in alcohol impairment of simulated driving performance and driving related skills. Research Society on Alcoholism. San Diego CA, 2009.
- Miller, M.A. & Fillmore, M.T. Levels of impulsivity in drinkers predict the degree of attentional bias toward alcohol. International Society for Research on Impulsivity. San Diego CA, 2009.
- Weafer, J. & Fillmore, M. T. Alcohol impairment of inhibitory mechanisms in binge and non-binge drinkers: Examining the role of inhibitory control in alcohol abuse. Research Society on Alcoholism. Washington DC, 2008.
- Fillmore, M. T & Milich, R. Contemporary approaches to the study of impulsivity in ADHD
- and addictive behaviors. International Conference of the Association of Psychology and Psychiatry for Adults and Children. Athens Greece, 2008.
- Fillmore, M. T. The impairing effects of alcohol intoxication and speeding on driving precision: analysis of additive and interactive effects. Road Safety and Simulation Conference. Rome Italy, 2007.
- Derefinko, K. J., Adams, Z. K., Milich, R., & Fillmore, M. T. Inhibitory deficits in children with attention deficit/hyperactivity disorder/inattentive type. International Society for Research on Child and Adolescent Psychopathology. London UK, 2007.
- Fillmore, M. T. Acute Alcohol-induced impairments of behavioral control in the laboratory: can the lab model the bar? Association for Behavioral and Cognitive Therapies. Philadelphia PA, 2007.
- Weafer, J. & Fillmore M. T. Alcohol-induced impairment of inhibitory control and driving performance in adults with ADHD. American Psychological Association. San Francisco, 2007.
- Camarillo, D. & Fillmore, M. T. Effects of adolescent marijuana use on working memory. American Psychological Association. San Francisco, 2007.
- Fillmore, M. T. Acute sensitivity to alcohol in young adults: impulsivity and substance abuse risk. World Congress on Behavioral and Cognitive Therapy. Barcelona Spain, 2007.
- Fillmore, M. T. & Rush, C. R. Acute effects of cocaine in two models of inhibitory control: implications of non-linear dose effects. College on Problems on Drug Dependence, Scottsdale AZ, 2006
- Harrison, E. & Fillmore, M. T. Alcohol and the need for speed. An examination of multiple factors influencing risky driving behavior. Research Society on Alcoholism. Baltimore MD, 2006.
- Marczynski, C. A. & Fillmore, M. T. Clubgoers and their trendy cocktails: implications of

mixing caffeine into alcohol on information processing and subjective reports of intoxication. Research Society on Alcoholism. Baltimore MD, 2006.

- Marczinski, C.A., Abroms, B.D., Van Selst, M., & Fillmore, M.T. Alcohol-induced impairment of behavioral control: The motor program and impulsivity. Psychonomics Society. Toronto, Canada, 2005
- Marczinski, C. A. & Fillmore, M. T. Compensating for alcohol-induced impairment of control: effects on inhibition and activation of behavior. Research Society on Alcoholism. Santa Barbara CA. 2005.
- Abroms, B. D. & Fillmore, M. T. Alcohol effects on inhibitory mechanisms of attention. Research Society on Alcoholism. Santa Barbara CA. 2005.
- Harrison, E. L. & Fillmore, M. T. Alcohol-induced impairment of simulated driving is mediated by initial levels of driving performance. Research Society on Alcoholism. Santa Barbara CA. 2005.
- Fillmore, M. T. Acute effects of alcohol on behavioral control in human laboratory studies. Research Society on Alcoholism. Santa Barbara CA. 2005.
- Fillmore, M. T. Understanding alcohol expectancy effects: revisiting the placebo condition - An introduction. Research Society on Alcoholism. Santa Barbara CA. 2005.
- Fillmore, M. T. Alcohol and impaired self-control: AI=m just having two drinks, honest@. American Psychological Association. Washington DC. 2005
- Easdon, C. M. and Fillmore, M. T. Moderate doses of alcohol modulate neural systems underlying inhibitory control and learning as measured by event-related fMRI. College on Problems on Drug Dependence. San Juan, Puerto Rico, 2004
- Harrison, E. L. and Fillmore, M. T. Social drinkers underestimate additive behavioral impairment from alcohol and visual deficits. College on Problems on Drug Dependence. San Juan, Puerto Rico, 2004
- Fillmore, M. T. and Rush, C. R. Cocaine users display impaired discrimination-reversal learning in a model of behavioral control. College on Problems on Drug Dependence. San Juan, Puerto Rico, 2004
- Marczinski, C. and Fillmore, M. T. Alcohol-related and neutral words as pre-response primes: Impairing effects of alcohol on behavioral control. Research Society on Alcoholism, Fort Lauderdale, FL, 2003
- Marczinski, C. and Fillmore, M. T. Functional antagonism of the alcohol-induced impairment on the execution but not the suppression of responses by caffeine. Research Society on Alcoholism, Fort Lauderdale, FL, 2003
- Abroms, B. and Fillmore, M. T. Alcohol-induced impairment of inhibitory control: A tale of two tasks. Research Society on Alcoholism, Fort Lauderdale, FL, 2003
- Fillmore, M. T. and Rush, C. R. Disinhibiting effects of *d*-amphetamine in stimulant abusers: the role of prepotent response tendencies. College on Problems on Drug Dependence. Bal Harbor, FL, 2003
- Marczinski, C. and Fillmore, M. T. Differential effects of alcohol on response execution and response suppression: protective effects of preliminary information. Society for Neuroscience, Orlando, FL, 2002.

- Fillmore, M. T. Alcohol-induced disinhibition: The role of antecedents and consequences in the drinking Situation. NIAAA-sponsored symposium presented at the American Psychological Society, New Orleans, LA, 2002.
- Fillmore, M. T. and Blackburn, J. Alcohol-induced disinhibition is affected by expectations of the drinker. Research Society on Alcoholism, San Francisco, CA, 2002.
- Abroms, B., Marczinski, C., and Fillmore, M. T. Alcohol-induced impairment of inhibitory control: the effects of response preparation. Research Society on Alcoholism, San Francisco, CA, 2002.
- Fillmore, M. T. Retrograde memory facilitation by sedative hypnotic drugs: A reliance on automatic processes. Psychonomics Society, Orlando, FL, 2001.
- Van Selst, M. and Fillmore, M. T. What No-Go PRP can tell us about alcohol-facilitated failures of inhibition. Psychonomics Society, Orlando, FL, 2001
- Van Selst, M. and Fillmore, M. T. A functional mechanism by which alcohol reduces inhibition. Cognitive Science Association for Interdisciplinary Learning, Hood River, OR, 2001
- Fillmore, M. T. Impulsivity as impaired inhibition: effects of ethanol. College on Problems on Drug Dependence, Scottsdale AZ, 2001
- Fillmore, M. T. The sedative-hypnotic drug triazolam impairs cognitive inhibitory control. Psychonomics Society, New Orleans, LA, 2000.
- Fillmore, M. T. Alcohol-induced impairment of inhibitory control: Some commonalities with ADHD. Research Society on Alcoholism, Denver, CO, 2000
- Fillmore, M. T. and Rush, C. R. Alcohol suppresses cognitive inhibitory mechanisms in attention-based performance of social drinkers: A temporary drug-induced attentional deficit? College on Problems on Drug Dependence, San Juan, Puerto Rico, 2000
- Fillmore, M. T. and Vogel-Sprott, M. Alcohol reduces negative priming on a Stroop color-word task. Psychonomic Society, Dallas, TX, 1998.
- Fillmore, M. T. and Vogel-Sprott, M. Alcohol-induced disinhibition: the counteracting effect of a stimulant drug. American Psychological Association, San Francisco, CA, 1998.
- Fillmore, M. T. and Vogel-Sprott, M. Response conflict contributes to alcohol-impaired inhibitory-control in humans. Research Society on Alcoholism, Hilton Head, SC, 1998.
- Fillmore, M. T. and Vogel-Sprott, M. Alcohol-impaired behavior: Cognitive and Pharmacokinetic Factors. Psychonomic Society, Philadelphia, PA, 1997.
- Fillmore, M. T. and Vogel-Sprott, M. Behavioral tolerance to alcohol and a compensatory response to a placebo in novice and experienced drinkers. Research Society on Alcoholism, Washington, DC, 1996.
- Fillmore, M. T. and Vogel-Sprott, M. Alcohol-related expectancies and behavioral impairment in novice and experienced drinkers: Evidence that expectancies are learned. Research Society on Alcoholism, Steamboat Springs Colorado, 1995.
- Fillmore, M. T. and Vogel-Sprott, M. Expectancy and pharmacological effects of alcohol and caffeine on psychomotor performance. Research Society on Alcoholism, Maui Hawaii, 1994.
- Fillmore, M. T., Mulvihill, L. E., and Vogel-Sprott, M. Placebo responses to alcohol and caffeine: Interaction between the expected drug and its expected effect. Research Society on

- Alcoholism, Maui Hawaii, 1994.
- Fillmore, M. T. and Vogel-Sprott, M. Detecting placebo responses to alcohol using individual differences in expected alcohol effects on performance. Research Society on Alcoholism, San Antonio, TX, 1993.
 - Fillmore, M. T. and Vogel-Sprott, M. Expected degree of impairment predicts response to alcohol and placebo on motor performance. Research Society on Alcoholism, San Diego, CA, 1992.
 - Fillmore, M. T. and Vogel-Sprott, M. Expected effect of caffeine on motor performance predicts the type of response to placebo. Research Society on Alcoholism, Marco Island, FL, 1991.

RESEARCH SOCIETY AFFILIATION:

College on Problems of Drug Dependence
 International Society for Research on Impulsivity
 European Behavioral Pharmacology Society
 The Psychonomic Society
 Research Society on Alcoholism
 American Psychological Association (Elected Fellow):
 Division 28, Psychopharmacology and Substance Abuse
 Division 50, Psychology of Addictive Behaviors

RESEARCH SOCIETY COMMITTEES AND SERVICES

- | | |
|-----------|---|
| 2003- | Liaison for Committee on International Relations in Psychology (CIRP) for American Psychological Association, Division 28, Psychopharmacology and Substance Abuse |
| 2006-2010 | Member-at-Large for American Psychological Association, Division 28, Psychopharmacology and Substance Abuse |

UNIVERSITY AND DEPARTMENTAL COMMITTEES AND SERVICES

University

- | | |
|-----------|--|
| 2024-2029 | UK Standing Reviewer Committee Member for the Center for Clinical & Translational Sciences |
| 2023-2026 | College Advisory Committee for Promotion and Tenure |
| 2020 - | UK Research Advisory Group: Office of the Vice President for Research |
| 2019 - | Neuroscience Research Collaborative Internal Advisory Council |
| 2019 - | Substance Use Priority Research Area (SUPRA) Internal Advisory Board |
| 2016 | UK Substance Abuse Task Force |
| 2016 | UK Task Force on Policies and Procedures for Centers and Institutes |
| 2008-2010 | College Advisory Committee for Promotion and Tenure |
| 2004- | Non-medical IRB Member |
| 2004-2005 | UK Summer Research and Major Research Grant Reviewer |
| 2000 - | Building Interdisciplinary Research Careers in Women's Health (BIRCWH) |

2000 training program. Faculty Mentor
Reviewer of submissions for UK's National Conference Undergraduate Research (NCUR)

Departmental

2023-2026 Graduate Student Advisory Committee Member
2015 - 2022 Director of Graduate Studies
2011 Chair, IRB Departmental Subcommittee
2010 - 2022 Director of Experimental Training
2007-2011 Committee on Diversity
2006-2007 Division Coordinator for Behavioral Neuroscience and Psychopharmacology
2006-2007 Undergraduate Effectiveness Committee Member
2002-2006 Psychology Research Ethics Committee Member
2001-2002 Graduate Student Advisory Committee Member
2000-2001 Member of Departmental Awards Committee
2000-2001 Psychology Research Ethics Committee Member

GRADUATE AND POST-DOCTORAL TRAINING

Students Receiving Graduate Degrees under my Supervision:

Holley Jamison (Allen): Ph.D. (2024)

Dissertation title: Trait impulsivity and acute alcohol responses as markers of binge drinking in young adults.

Alexandra Kelly (D'Agostino): Ph.D. (2023)

Dissertation title: *Experiential-based Feedback during Alcohol Intoxication and its Effect on Drinkers' Risk Awareness*

Holley Allen: MS (2020)

Thesis title: *Acute sensitivity and tolerance to alcohol as predictors of at-risk drinking in humans*

Alexandra D'Agostino: MS (2019)

Thesis title: *Effects of multisensory stop signals on sensitivity to alcohol-induced disinhibition in drinkers with ADHD.*

Ramey Monem: Ph.D. (2018)

Dissertation title: *Attentional bias to alcohol in an in vivo setting*

Nicholas Van Dyke: Ph.D. (2018)

Dissertation Title: *Alcohol-induced impairment of simulated driving performance and behavioral impulsivity in DUI offenders*

Walter Roberts: Ph.D. (2016)

Dissertation title: *Decision-making processes, driving performance, and acute responses to alcohol in dui offenders*

Jennifer Laude: Ph.D. (2016)

Dissertation title: *Cognitive and behavioral mechanisms underlying alcohol-induced risky driving*

Ramey Monem: MS (2015)

Thesis title: *The effects of alcohol-related visual stimuli on inhibitory control and attentional bias: Testing the roles of classical conditioning and semantic priming.*

Nicholas Van Dyke: MA (2014)

Thesis title: *Acute effects of alcohol on simulated driving performance and self-perceptions of impairment in DUI offenders*

Melissa Miller: Ph.D. (2014)

Dissertation title: *Examining the vulnerability of inhibitory control to the impairing effects of alcohol*

Jessica Weafer: Ph.D. (2012)

Dissertation title: *Attentional bias and alcohol abuse.*

Walter Roberts: MA (2011)

Thesis title: *Drinking to distraction: Does alcohol increase attentional bias in adults with ADHD?*

Melissa Miller: MA (2010)

Thesis title: *The acute effects of alcohol on attentional bias toward alcohol-related stimuli in heavy drinkers.*

Erik Ostling: MA (2010)

Thesis title: *Tolerance to the impairing effects of alcohol on the inhibition and activation of behavior.*

Jessica Weafer: MA (2008)

Thesis title: *Alcohol impairment of inhibitory mechanisms in binge and non-binge drinkers: examining the role of inhibitory control in alcohol abuse*

Ben Abrams: Ph.D. (2006)

Dissertation title: *Alcohol effects on inhibitory mechanisms of visual attention*

Emily Harrison: Ph.D. (2006)

Dissertation title: *The role of skill development in alcohol-induced impairment of driving-related behaviors.*

Emily Harrison: MA (2003)

Thesis title: *The role of expectancy-induced compensatory responses in reducing psychomotor impairment from visual- and alcohol-induced deficits*

Judith Carscadden: MA (1996)

Thesis title: *The role of alcohol-related expectancies in cognitive performance under alcohol and placebo.*

Diane Borsoi: MA (1995)

Thesis title: *The effect of caffeine on component activities involved in information processing.*

Post-doctoral Students Trained under my Supervision:

Cecile Marcinski, Ph.D. (2001-2004)

Sponsored Career Development Mentorship:

K01 AA026893 (Ben Lewis)

Enhancing Recovery Outcomes in Alcohol Use Disorder: Cognitive Training as an Adjunct to Treatment

09/2018-08/2023

Role: Consultant

K01 AA024160 (Julie Patock-Peckham)

Contextual and Intrapersonal Influences on Impaired Control over Drinking

04/01/2016-03/31/2021

Role: Consultant

K01 DA031764 (Zanjani, Faika)

National Institutes of Health/National Institute on Drug Abuse

Community Intervention Research on Prescription Drug Safety in Older Rural Adults

04/01/2012 – 03/31/2017

Role: Co-Mentor

K01 AA021135 (Pedersen, Sarah)

National Institutes of Health/NIAAA

Disinhibition and Acute Response to Alcohol in European and African Americans

04/10/2012-03/31/2017

Role: Co-Mentor

F31 AA026175 (Riley, E)

National Institutes of Health/NIAAA

Intentional personality change: Towards preventing problem drinking

09/14/2017 – 09/13/2019

Role: Co-Mentor

F31 AA023694 (Laude, J)

National Institutes of Health/NIAAA

Intoxication in a Rewarding Environment as a Risk Factor for Alcohol Misuse

08/01/2015 – 07/31/2017

Role: Mentor

F31 AA022263 (Roberts, W)

National Institutes of Health/NIAAA

Interactive Effects of Alcohol and the Environment on Driving Ability in High-risk Drivers

09/01/2013 – 08/31/2015

Role: Mentor

F31 AA021028 (Miller, M.)

National Institutes of Health/NIAAA

Redundant Signal Effect and Alcohol Impairment of Behavioral Inhibition in ADHD and non-

ADHD Drinkers
09/01/2012 – 08/31/2014
Role: Mentor

F31AA018584 (Weafer, J)
National Institutes of Health/NIAAA
Alcohol Sensitivity and Abuse Potential in ADHD
09/01/2009 – 08/31/2012
Role: Mentor

Diversity Supplement Award: AA012895-S (Camarillo, M.)
National Institute of Health/NIAAA
Mechanisms of Tolerance and Priming in Humans.
09/01/2007 – 08/31/2009
Role: Mentor/Principal Investigator

Diversity Supplement Award: DA021027-S (Barrios, R.)
National Institute of Health/NIDA
Neurocognitive Consequences of Adolescent Drug Use
09/01/2006 – 08/31/2008
Role: Mentor/Principal Investigator

K01 DA018772 (Lile, JA)
National Institutes of Health/National Institute on Drug Abuse
A Pharmacological Analysis of D9-THC in Humans
06/01/2005 - 05/31/2010
Role: Co-Mentor

Undergraduate Training: Honors Thesis Students

Arial Clark: BA (2016)

Thesis Title: *Adults' risk perceptions of driving under the influence of THC and alcohol*

Rebecca Jude: BA (2010)

Thesis title: *How much is too much? Comparing two definitions of binge drinking as indicators of alcohol-related problems in college students.*

Erik Osling: BA (2009)

Thesis title: *The Role of sensation-seeking as a mediator of alcohol intoxication.*

Tara Davis: BA (2007)

Thesis title: *Inhibitory mechanisms of attention in children with Attention-Deficit Hyperactivity Disorder.*

Brook Dillon: BA (2005)

Thesis title: *Acute tolerance to the impairing effects of alcohol on mechanisms of behavioral control.*

Chad Berry: BA (1995)

Thesis title: *The effects of alcohol on performance of a rapid information processing task.*

Jayne Downey: BA (1994)

Thesis title: *The effect of caffeine on motor performance.*

Lisa Mulvihill: BA (1993)

Thesis title: *Interaction between expected drug and its expected effect determine placebo to alcohol and caffeine in motor performance.*

SAMPLES OF CONSULTING AND COMMUNITY-RELATED ACTIVITIES:

- Expert witness for U.S. and international legal cases involving the effects of alcohol and other drugs in felony cases, traffic and workplace injury.
- Scientific Advisor of Clinical Research, Alkermes Biopharmaceuticals, Waltham, MA
- Advisory Board Member of Vital Beverages Global Inc. Miami FL.
- Advisory Board Member of the Federal Transit Administration Post-accident Testing Heuristic (PATH) Project to evaluate effects of prescription medication on driving performance of public bus operators. 2008-present.
- Human Psychomotor Performance Software Design Consultant for Life Science Associates Inc. New York, NY. 1999 - Present.
- Scientific Advisor to the National Automobile, Aerospace, Transportation, and General Workers Union of Canada. 1998 - Present.
- Scientific Consultant for the British Broadcasting Corporation (BBC). 2000.
- Scientific Reviewer for Canadian Ministry of Transport. Project Title: Assessing the potential impact of lowering the legal blood alcohol limit to 50 mg% in Canada. 1998
- Vermont Alcohol Research Center, Colchester Vermont. Psychobiological studies of alcohol tolerant drivers. Scientific Advisor. 1991-1994.
- Addiction Research Foundation, Burlington Ontario. Effects of low blood alcohol concentrations on driving ability: A field study. Scientific Advisor/Study Planner. 1989