

MUSC SCOR publications, 2002-2011

Brady project publications:

1. Waldrop AE, Back SE, Brady KT, Upadhyaya HP, McRae AL, Saladin ME. (2007) Daily stressor sensitivity, abuse effects, and cocaine use in cocaine dependence. *Addictive Behaviors*. 32:3015-3025. PMID: PMC2099298
2. Waldrop AE, Back SE, Verduin ML, Brady KT. (2007) Triggers for cocaine and alcohol use in the presence and absence of posttraumatic stress disorder. *Addictive Behaviors* 32(2):634-639.
3. Back SE, Brady KT, Waldrop AE, Yeatts SD, McRae AL, Spratt E. (2008) Early life trauma and sensitivity to current life stressors in individuals with and without cocaine dependence. *American Journal of Drug and Alcohol Abuse*, 34(4):389-96. PMID: PMC2692094
4. Back SE, Waldrop AE, Saladin ME, Yeatts S, Simpson A, McRae AL, Upadhyaya H, Sisson RC, Spratt E, Allen J, Kreek MJ, Brady KT. (2008) Effects of gender and cigarette smoking on reactivity to psychological and pharmacological stress provocation. *Psychoneuroendocrinology*, 33(5):560-8. PMID: PMC2446474
5. Dempsey J, Back SE, Waldrop AE, Jenkins L, Brady KT. (2008) The influence of monetary compensation on relapse among addicted participants: empirical vs. anecdotal evidence. *Am J Addictions*, 17(6), 488-490. PMID: PMC2677021
6. Brady KT, McRae AL, Moran-Santa Maria MM, DeSantis SM, Simpson AN, Waldrop AE, Back SE, Kreek MJ. (2009) Response to CRH infusion in cocaine-dependent individuals. *Archives of General Psychiatry*, 66(4), 422-430. PMID: PMC2696287
7. DeSantis SM, Bandyopadhyay D, Back SE, Brady KT. (2009) Non-treatment laboratory stress- and cue-reactivity studies are associated with decreased substance use among drug-dependent individuals. *Drug and Alcohol Dependence*, 105(3), 227-233. PMID: PMC2875261
8. Spratt EG, Back SE, Waldrop AE, Yeatts S, Simpson A, McRae A, Moran-Santa Maria M, Price K, Hartwell K, Brady KT. (2009) Relationship between child abuse and adult smoking. *International Journal of Psychiatry in Medicine*. *Int J Psychiatry Med*, 39(4):417-26. PMID: PMC198609
9. Back SE, Hartwell K, DeSantis SM, Saladin M, McRae-Clark AL, Price KL, Moran-Santa Maria M, Baker NL, Spratt E, Kreek MJ, Brady KT. (2010) Reactivity to laboratory stress provocation predicts relapse to cocaine. *Drug and Alcohol Dependence*, 21-27. PMID: PMC2815094
10. Moran-Santa Maria MM, McRae-Clark AL, Back SE, DeSantis SM, Baker NL, Spratt EG, Simpson AN, Brady KT. (2010). Influence of cocaine dependence and childhood trauma on pituitary-adrenal axis responses to CRH and the Trier Social Stressor. *Psychoneuroendocrinology*, 35:1492-500. PMID: PMC2945624.
11. Waldrop AE, Price KL, DeSantis SM, Simpson AN, Back SE, McRae AL, Kreek MJ, Brady KT. (2010) Community-dwelling cocaine-dependent men and women respond differentially to social stressors versus cocaine cues. *Psychoneuroendocrinology*, 35(6):798-806. PMID: PMC2875320
12. DeSantis SM, Baker NL, Back SE, Spratt E, Ciolino JD, Moran-Santa Maria MM, Dipankar B, Brady KT. (2011) Gender differences in the effect of early life trauma on hypothalamic-pituitary-adrenal axis functioning. *Depress Anxiety*, 28(5):383-92. NIHMSID: NIHMS327533

13. Prisciandaro JJ, McRae-Clark AL, Moran-Santa Maria MM, Hartwell KJ, Brady KT. (2011) Psychoticism and neuroticism predict cocaine dependence and future cocaine use via different mechanisms. *Drug and Alcohol Dependence*, 116(1-3):80-5. PMID: PMC3105212

See project publications:

14. Fuchs RA, Evans KA, Mehtu R, Case J, See RE. (2005) Influence of sex and estrous cyclicity on conditioned cue induced reinstatement of cocaine seeking behavior in rats. *Psychopharmacology*, 179(3):662-72.

15. Kippin TE, Fuchs RA, Mehta RH, Case JM, Parker MP, Bimonte-Nelson HA, See RE. (2005) Potentiation of cocaine-primed reinstatement of drug seeking in female rats during estrus. *Psychopharmacology*, 182(2):245-52.

16. See RE. (2005) Neural substrates of cocaine-cue associations that trigger relapse. *Eur J Pharmacol*, 526(1-3):140-6.

17. Feltenstein MW, See RE. (2006) Potentiation of cue-induced reinstatement of cocaine seeking in rats by the anxiogenic drug yohimbine. *Behavioural Brain Research*, 174(1):1-8.

18. Feltenstein MW, Altar CA, See RE. (2007) Aripiprazole blocks reinstatement of cocaine-seeking in an animal model of relapse. *Biological Psychiatry*, 61(5):582-590.

19. Feltenstein MW, See RE. (2007) Plasma progesterone levels and cocaine-seeking in freely cycling female rats across the estrous cycle. *Drug and Alcohol Dependence*, 89:183-189. PMID: PMC2099261

20. Bongiovanni M, See RE. (2008) A comparison of the effects of different operant training experiences and dietary restriction on the reinstatement of cocaine-seeking in rats. *Pharmacology, Biochemistry, and Behavior*, 89(2): 227-233. PMID: PMC2267375

21. Feltenstein MW, See RE. (2008) The neurocircuitry of addiction: An overview. *British Journal of Pharmacology*, 154(2), 261-274. PMID: PMC2442446

22. Kippin TE, Szumlinski KK, Kapasova Z, Rezner B, See RE. (2008) Prenatal stress enhances responsiveness to cocaine. *Neuropsychopharmacology*, 33(4), 769-782. PMID: PMC2747653

23. Buffalari DM, See RE. (2009) Footshock stress potentiates cue-induced cocaine-seeking in an animal model of relapse. *Physiology and Behavior*, 98(5):614-617. PMID: PMC2783731

24. Feltenstein MW, Byrd EA, Henderson AR, See RE. (2009) Attenuation of cocaine-seeking by progesterone treatment in female rats. *Psychoneuroendocrinology*, 34(3):343-352. PMID: PMC2675282

25. See RE, Kalivas PW. (2009) Neuroscience of substance abuse and dependence. In BJ Sadock, VA Sadock, and P Ruiz (Eds.), *Kaplan & Sadock's Comprehensive Textbook of Psychiatry*, 9th edition (pp. 387-393). Philadelphia: Lippincott Williams & Wilkins.

26. Feltenstein MW, Do PH, See RE. (2009) Repeated aripiprazole administration attenuates cocaine-seeking in a rat model of relapse. *Psychopharmacology*, 207:401–411. PMID: PMC3121303

27. Yahyavi-Firouz-Abadi N, See RE. (2009) Anti-relapse medications: Preclinical models for drug addiction treatment. *Pharmacology & Therapeutics*, 124(2):235-247. PMID: PMC2889132

28. Buffalari DM, See RE. (2010) Amygdala mechanisms of pavlovian psychostimulant conditioning and relapse. In DW Self and JK Staley (Eds.), *Current Topics in Behavioral Neurosciences*, Vol. 3 (pp. 73-99). Heidelberg, Germany: Springer. (DOI: 10.1007/7854_2009_18)
29. Bana KM, Back SE, Do P, See RE. (2010) Yohimbine stress potentiates conditioned cue-induced reinstatement of heroin-seeking in rats. *Behavioural Brain Research*, 208:144-148. PMID: PMC2821948
30. See RE, Waters RP. (2010) Pharmacologically-induced stress: a cross-species probe for translational research in drug addiction and relapse. *The American Journal of Translational Research*, 3(1):81-89. PMID: PMC2981428
31. Buffalari DM, See RE. (2011) Inactivation of the bed nucleus of the stria terminalis attenuates conditioned cue-induced reinstatement and its potentiation by yohimbine in an animal model of relapse. *Psychopharmacology*, 213(1):19-27. PMID: PMC3132192
32. Feltenstein MW, Henderson AR, See RE. (2011) Enhancement of cue reinstatement of cocaine-seeking in rats by yohimbine: sex differences and the role of the estrous cycle. *Psychopharmacology*, 216(1):53-62. NIHMSID: NIHMS327435
33. Zhou L, Sun WL, See RE. (2011) Orexin receptor targets for anti-relapse medication development in drug addiction. *Pharmaceuticals (Special issue on Drug Abuse Targets)*, 4(6): 804-821. PMID: PMC2771107
34. Buffalari DM, Baldwin CK, Feltenstein MW, See RE. (2011) Corticotrophin releasing factor (CRF) induced reinstatement of cocaine-seeking in male and female rats. *Physiology and Behavior*, Epub ahead of print. NIHMSID: 327412
35. Feltenstein MW, Ghee SM, See RE. (2011) Nicotine self-administration and reinstatement of nicotine-seeking in male and female rats. *Drug and Alcohol Dependence*, Epub ahead of print. NIHMSID: NIHMS327450

Gray/Saladin project publications:

36. Carpenter MJ, Upadhyaya HP, LaRowe SD, Saladin ME, Brady KT. (2006) Menstrual cycle phase effects on nicotine withdrawal and cigarette craving: a review. *Nicotine Tob Res*, 8(5):627-38.
37. LaRowe SD, Saladin ME, Carpenter MJ, Upadhyaya HP. (2007) Reactivity to nicotine cues over repeated cue reactivity sessions. *Addictive Behaviors*, 32:2888-2899.
38. Carpenter MJ, Saladin ME, Leinbach AS, LaRowe SD, Upadhyaya HP. (2008) Menstrual phase effects on smoking cessation: a pilot feasibility study. *Journal of Women's Health*, 17(2): 293-301.
39. Carpenter MJ, Saladin ME, DeSantis S, Gray KM, LaRowe SD, Upadhyaya HP. (2009) Laboratory-based, cue-elicited craving and cue reactivity as predictors of naturally occurring smoking behavior. *Addictive Behaviors*, 34(6-7):536-541. PMID: PMC2685198
40. Gray KM, DeSantis SM, Carpenter MJ, Saladin ME, LaRowe SD, Upadhyaya HP. (2010) Menstrual cycle and cue reactivity in women smokers. *Nicotine & Tobacco Research*, 12(2):174-178. PMID: PMC2816193
41. Watson NL, Carpenter MJ, Saladin ME, Gray KM, Upadhyaya HP. (2010) Evidence for greater cue reactivity among low-dependent vs. high-dependent smokers. *Addictive Behaviors*, 35(7):673-77. PMID: PMC2856788

42. Saladin ME, Gray KM, Carpenter MJ, LaRowe SD, DeSantis SM, Upadhyaya HP. (2011, in press) Gender differences in reactivity to smoking and negative affect/stress cues. *American Journal on Addictions*. PMID: PMC281150

Middaugh project publications:

43. Price KL, Middaugh LD. (2004) The dopamine D1 antagonist reduces ethanol reward for C57BL/6 mice. *Alcoholism: Clinical and Experimental Research*, 28(11), 1666-1675.
44. Nguyen SA, DeLeon CP, Malcolm RJ, Middaugh LD. (2005) Tiagabine reduces ethanol reward in C57BL/6 mice under acute and chronic administration regimens. *Synapse*, 56:135-146.
45. Griffin WC III, Boger HA, Granholm AC, Middaugh LD. (2006) Partial deletion of glial cell line-derived neurotrophic factor (GDNF) in mice: Effects on sucrose reward and striatal GDNF concentrations. *Brain Res*, 1068(1):257-60.
46. Griffin WC III, Middaugh LD. (2006) The influence of sex on extracellular dopamine in the dorsal striatum and locomotor activity in C57BL/6J mice before and after acute cocaine challenge. *Synapse*, 59(2):74-81.
47. Wiren KM, Hashimoto JG, Alele PE, Devaud LL, Price KL, Middaugh LD, Grant KA, Finn DA. (2006) Impact of sex: Determination of alcohol neuroadaptation and reinforcement. *Alcoholism: Clinical and Experimental Research*, 30(2):233-242.
48. Griffin WC, Middaugh LD, Becker HC. (2007) Voluntary ethanol drinking in mice and ethanol concentrations in the nucleus accumbens. *Brain Research*, 1138:208-13.

Administrative Core publications:

49. Bimonte-Nelson HA, Nelson ME, Granholm A. (2004) Progesterone counteracts estrogen-induced increases in neurotrophins in the aged female rat brain. *NeuroReport*, 15:2659-2663.
50. Brady KT, Sinha R. (2005) Co-Occurring mental and substance use disorders: The neurobiological effects of chronic stress. *American Journal of Psychiatry*, 162(8):1483-1493.
51. Back SE, Brady KT, Jackson JL, Salstrom S, Zinzow H. (2005) Gender differences in stress reactivity among cocaine-dependent individuals. *Psychopharmacology*, 180(1): 169-176.
52. Chang E, Barbosa E, Paintlia M, Singh A, Singh I. (2005) The use of N-acetylcysteine for the prevention of hypertension in the reduced uterine perfusion pressure (RUPP) model for preeclampsia in Sprague Dawley rats. *American Journal of Obstetrics and Gynecology*, 193:952-956.
53. Bimonte-Nelson HA, Francis KR, Umphlet CD, Granholm AC. (2006) Progesterone reverses the spatial memory enhancements initiated by tonic and cyclic oestrogen therapy in middle-aged ovariectomized female rats. *Eur J Neurosci*, 24(1):229-42.
54. Brady KT, Sinha R. (2006) Drs. Brady and Sinha reply. *American Journal of Psychiatry*, 163(3):553.
55. Back SE, Contini R, Brady KT. (2007) Women and substance use disorders: Does gender matter? *Psychiatric Times*, 24(1):48.
56. Back SE, Gentilin S, Brady KT. (2007) Cognitive-behavioral stress management and stress reactivity in drug-dependent individuals: A pilot study. *J Nerv Ment Dis*, 195(8):662-8.

57. Griffin WC, Randall PK, Middaugh LD. (2007) Intravenous cocaine self-administration: individual differences in male and female C57BL/6J mice. *Pharmacol Biochem Behav*, 87(2):267-79. PMID: PMC2692891
58. Veatch LM, Wright TM, Randall CL. (2007) Only male mice show sensitization of handling-induced convulsions across repeated ethanol withdrawal cycles. *Alcohol Clin Exp Res*, 31(3):477-85.
59. Nicholas JS, Charles JM, Carpenter LA, King LB, Jenner W, Spratt, EG. (2008) Prevalence and characteristics of children with Autism-Spectrum disorders. *Annals of Epidemiology*. (18):130-136.
60. Talboom JS, Williams BJ, Baxley ER, West SG, Bimonte-Nelson, HA. (2008) Higher levels of estradiol replacement correlate with better spatial memory in surgically menopausal young and middle-aged rats. *Neurobiol Learn Mem*, 90(1):155-63. PMID: PMC2453224
61. Griffin WC 3rd, Lopez MF, Becker HC. (2009) Intensity and duration of chronic ethanol exposure is critical for subsequent escalation of voluntary ethanol drinking in mice. *Alcohol Clin Exp Res*. 2009 Nov;33(11):1893-900. PMID: PMC2995298
62. Aston-Jones G, Smith RJ, Sartor GC, Moorman DE, Massi L, Tahsili-Fahadan P, Richardson KA. (2010) Lateral hypothalamic orexin/hypocretin neurons: A role in reward-seeking and addiction. *Brain Res*, 1314:74-90. PMID: PMC2819557
63. Banna KM, Back SE, Do P, See RE. (2010) Yohimbine stress potentiates conditioned cue-induced reinstatement of heroin-seeking in rats. *Behavioural Brain Research*, 208:144-148. PMID: PMC2821948
64. Boger HA, Granholm AC, McGinty JF, Middaugh LD. (2010) A dual-hit animal model for age-related parkinsonism. *Prog Neurobiol*, 90(2):217-29. PMID: PMC159418
65. Carpenter MJ, Alberg AJ, Gray KM, Saladin ME. (2010) Motivating the unmotivated for health behavior change: a randomized trial of cessation induction for smokers. *Clin Trials*, (2):157-66. PMID: PMC2902976
66. Lopez MF, Doremus-Fitzwater TL, Becker HC. (2011) Chronic social isolation and chronic variable stress during early development induce later elevated ethanol intake in adult C57BL/6J mice. *Alcohol*. 45(4):355-64. PMID: PMC3013234
67. Lopez MF, Grahame NJ, Becker HC. (2011) Development of ethanol withdrawal-related sensitization and relapse drinking in mice selected for high- or low-ethanol preference. *Alcohol Clin Exp Res*. 35(5):953-62. PMID: PMC3083457
68. Spratt EG, Nicholas JS, Brady KT, Carpenter LA, Hatcher CR, Meekins KA, Furlanetto RW, Charles JM. (2011) Enhanced cortisol response to stress in children in autism. *J Autism Dev Disord*, Epub ahead of print. NIHMSID: NIHMS327500
69. Reichel CM, See RE. (2011) Chronic modafinil effects on drug-seeking following methamphetamine self-administration in rats. *Int J Neuropsychopharmacol*, Jun 28:1-11. NIHMSID: NIHMS327396
70. Reichel CM, Schwendt M, McGinty JF, Olive MF, See RE. (2011) Loss of object recognition memory produced by extended access to methamphetamine self-administration is reversed by positive allosteric modulation of metabotropic glutamate receptor 5. *Neuropsychopharmacology*, 36(4):782-92. PMID: PMC3052905