



INIAstress Consortium Publications 2022

1. Allen DC, Jimenez VA, Carlson TL, Walter NA, Grant KA, Cuzon Carlson VC. Characterization of DREADD receptor expression and function in rhesus macaques trained to discriminate ethanol. *Neuropsychopharmacology*. 2022 Mar;47(4):857-865. doi: 10.1038/s41386-021-01181-5. Epub 2021 Oct 15. PMID: 34654906; PMCID: PMC8882175.
2. Anderson EM, Lopez MF, Kastner A, Mulholland PJ, Becker HC, Cowan CW. The histone methyltransferase G9a mediates stress-regulated alcohol drinking. *Addict Biol*. 2022 Jan;27(1):e13060. doi: 10.1111/adb.13060. Epub 2021 May 19. PMID: 34013595; PMCID: PMC8602448.
3. Baratta AM, Mangieri RA, Aziz HC, Lopez MF, Farris SP, Homanics GE. Effect of chronic intermittent ethanol vapor exposure on RNA content of brain-derived extracellular vesicles. *Alcohol*. 2022 Dec;105:9-24. doi: 10.1016/j.alcohol.2022.08.006. Epub 2022 Aug 30. PMID: 36055466; PMCID: PMC10173183.
4. Bloch S, Holleran KM, Kash TL, Vazey EM, Rinker JA, Lebonville CL, O'Hara K, Lopez MF, Jones SR, Grant KA, Becker HC, Mulholland PJ. Assessing negative affect in mice during abstinence from alcohol drinking: Limitations and future challenges. *Alcohol*. 2022 May;100:41-56. doi: 10.1016/j.alcohol.2022.02.001. Epub 2022 Feb 15. PMID: 35181404; PMCID: PMC8983487.
5. Brundage JN, Mason CP, Wadsworth HA, Finuf CS, Nelson JJ, Ronström PJW, Jones SR, Siciliano CA, Steffensen SC, Yorgason JT. Regional and sex differences in spontaneous striatal dopamine transmission. *J Neurochem*. 2022 Mar;160(6):598-612. doi: 10.1111/jnc.15473. Epub 2021 Aug 16. PMID: 34265080; PMCID: PMC10044475.
6. Chunduri A, Watson PM, Ashbrook DG. New Insights on Gene by Environmental Effects of Drugs of Abuse in Animal Models Using GeneNetwork. *Genes (Basel)*. 2022 Mar 29;13(4):614. doi: 10.3390/genes13040614. PMID: 35456420; PMCID: PMC9024903.
7. Downs AM, McElligott ZA. Noradrenergic circuits and signaling in substance use disorders. *Neuropharmacology*. 2022 May 1;208:108997. doi: 10.1016/j.neuropharm.2022.108997. Epub 2022 Feb 14. PMID: 35176286; PMCID: PMC9498225.
8. Estave PM, Spodnick MB, Karkhanis AN. KOR Control over Addiction Processing: An Exploration of the Mesolimbic Dopamine Pathway. *Handb Exp Pharmacol*. 2022;271:351-377. doi: 10.1007/164_2020_421. PMID: 33301050; PMCID: PMC8192597.
9. George BE, Dawes MH, Peck EG, Jones SR. Altered Accumbal Dopamine Terminal Dynamics Following Chronic Heroin Self-Administration. *Int J Mol Sci*. 2022 Jul 23;23(15):8106. doi: 10.3390/ijms23158106. PMID: 35897682; PMCID: PMC9332320.

10. Grant KA, Newman NN, Gonzales SW, Cuzon Carlson VC. Impact of putamen inhibition by DREADDs on schedule-induced drinking in rhesus monkeys. *J Exp Anal Behav.* 2022 May;117(3):493-504. doi: 10.1002/jeab.761. Epub 2022 Apr 12. PMID: 35411949; PMCID: PMC9090979.
11. Grant KA, Newman N, Lynn C, Davenport C, Gonzales S, Cuzon Carlson VC, Kroenke CD. Brain Functional Connectivity Mapping of Behavioral Flexibility in Rhesus Monkeys. *J Neurosci.* 2022 Jun 15;42(24):4867-4878. doi: 10.1523/JNEUROSCI.0816-21.2022. Epub 2022 May 12. PMID: 35552233; PMCID: PMC9188385.
12. Haun HL, D'Ambrosio SL, Pati D, Taxier LR, Kash TL. Activation of the dorsal septum increases alcohol consumption in male C57BL/6J mice. *Addict Neurosci.* 2022 Sep;3:100023. doi: 10.1016/j.addicn.2022.100023. Epub 2022 Jun 15. PMID: 36034165; PMCID: PMC9410382.
13. Haun HL, Lebonville CL, Solomon MG, Griffin WC, Lopez MF, Becker HC. Dynorphin/Kappa Opioid Receptor Activity Within the Extended Amygdala Contributes to Stress-Enhanced Alcohol Drinking in Mice. *Biol Psychiatry.* 2022 Jun 15;91(12):1019-1028. doi: 10.1016/j.biopsych.2022.01.002. Epub 2022 Jan 10. PMID: 35190188; PMCID: PMC9167153.
14. Hon OJ, DiBerto JF, Mazzone CM, Sugam J, Bloodgood DW, Hardaway JA, Husain M, Kendra A, McCall NM, Lopez AJ, Kash TL, Lowery-Gionta EG. Serotonin modulates an inhibitory input to the central amygdala from the ventral periaqueductal gray. *Neuropsychopharmacology.* 2022 Dec;47(13):2194-2204. doi: 10.1038/s41386-022-01392-4. Epub 2022 Aug 23. PMID: 35999277; PMCID: PMC9630515.
15. Irvine KA, Peters CM, Vazey EM, Ferguson AR, Clark JD. Activation of the Locus Coeruleus Mediated by Designer Receptor Exclusively Activated by Designer Drug Restores Descending Nociceptive Inhibition after Traumatic Brain Injury in Rats. *J Neurotrauma.* 2022 Jul;39(13-14):964-978. doi: 10.1089/neu.2021.0485. PMID: 35412843; PMCID: PMC9467637.
16. Lewis SA, Doratt BM, Sureshchandra S, Jankeel A, Newman N, Shen W, Grant KA, Messaoudi I. Ethanol Consumption Induces Nonspecific Inflammation and Functional Defects in Alveolar Macrophages. *Am J Respir Cell Mol Biol.* 2022 Jul;67(1):112-124. doi: 10.1165/rcmb.2021-0346OC. PMID: 35380939; PMCID: PMC9273227.
17. Lewis SA, Doratt B, Sureshchandra S, Pan T, Gonzales SW, Shen W, Grant KA, Messaoudi I. Profiling of extracellular vesicle-bound miRNA to identify candidate biomarkers of chronic alcohol drinking in nonhuman primates. *Alcohol Clin Exp Res.* 2022 Feb;46(2):221-231. doi: 10.1111/acer.14760. Epub 2021 Dec 29. PMID: 34910314; PMCID: PMC8858875.
18. Mejaes J, Desai D, Siciliano CA, Barker DJ. Practical opinions for new fiber photometry users to obtain rigorous recordings and avoid pitfalls. *Pharmacol Biochem Behav.* 2022 Nov;221:173488. doi: 10.1016/j.pbb.2022.173488. Epub 2022 Nov 9. PMID: 36370828; PMCID: PMC9753223.
19. Moore S, Radunskaya A, Zollinger E, Grant KA, Gonzales S, Walter NAR, Baker EJ. Pairing food and drink: A physiological model of blood ethanol levels for a variety of drinking behaviors. *Math Biosci.* 2022 Mar;345:108778. doi: 10.1016/j.mbs.2022.108778. Epub 2022 Jan 13. PMID: 35033503; PMCID: PMC8918017.
20. Neira S, Hassanein LA, Stanhope CM, Buccini MC, D'Ambrosio SL, Flanigan ME, Haun HL, Boyt KM, Bains JS, Kash TL. Chronic alcohol consumption alters home-cage behaviors and responses to ethologically relevant predator tasks in mice. *Alcohol Clin Exp Res.* 2022 Aug;46(8):1616-1629. doi: 10.1111/acer.14901. Epub 2022 Jul 18. PMID: 35797227; PMCID: PMC9906815.
21. Patel RR, Varodayan FP, Herman MA, Jimenez V, Agnora R, Gao L, Bajo M, Cuzon Carlson VC, Walter NA, Fei SS, Grant KA, Roberto M. Synaptic effects of IL-1 β and CRF in the central amygdala after protracted alcohol abstinence in male rhesus macaques. *Neuropsychopharmacology.* 2022

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22. Rodberg EM, Vazey EM. Individual differences in behavioral flexibility predict future volitional ethanol consumption in mice. *Alcohol*. 2022 Jun;101:37-43. doi: 10.1016/j.alcohol.2022.03.003. Epub 2022 Apr 6. PMID: 35395359; PMCID: PMC9118340.
23. Sattgast LH, Branscum AJ, Newman N, Gonzales SW, Benton ML, Baker EJ, Grant KA, Turner RT, Iwaniec UT. Ethanol alters the relationship between IGF-1 and bone turnover in male macaques. *J Endocrinol*. 2022 Oct 31;255(3):131-141. doi: 10.1530/JOE-22-0075. PMID: 36194528; PMCID: PMC9651018.
24. Weiss AR, Liguore WA, Brandon K, Wang X, Liu Z, Domire JS, Button D, Srinivasan S, Kroenke CD, McBride JL. A novel rhesus macaque model of Huntington's disease recapitulates key neuropathological changes along with motor and cognitive decline. *Elife*. 2022 Oct 7;11:e77568. doi: 10.7554/eLife.77568. PMID: 36205397; PMCID: PMC9545527.