



INIAstress Consortium Publications 2024

1. Dawes MH, Ortelli OA, Holleran KM, Jones SR. Fentanyl self-administration is accelerated by methamphetamine co-use and results in worsened hypodopaminergia in male, but not female rats. *Eur J Neurosci*. 2024 Oct;60(8):5912-5926. doi: 10.1111/ejn.16533. Epub 2024 Sep 9. PMID: 39251212; PMCID: PMC11484618.
2. Gereau GB, Torruella-Suárez ML, Sizer SE, Xia M, Zhou D, Wykoff LA, Teklezghi AT, Alvarez-Pamir A, Boyt KM, Kash TL, McElligott ZA. GABA release from central amygdala neurotensin neurons differentially modulates ethanol consumption in male and female mice. *Neuropsychopharmacology*. 2024 Jun;49(7):1151-1161. doi: 10.1038/s41386-024-01830-5. Epub 2024 Feb 28. PMID: 38418568; PMCID: PMC11109172.
3. Grantham EK, Tiwari GR, Ponomareva O, Harris RA, Lopez MF, Becker HC, Mayfield RD. Transcriptome changes in the nucleus of the solitary tract induced by repeated stress, alcohol dependence, or stress-induced drinking in dependent mice. *Neuropharmacology*. 2024 Jan 1;242:109768. doi: 10.1016/j.neuropharm.2023.109768. Epub 2023 Oct 20. PMID: 37865137; PMCID: PMC10688594.
4. Kalelkar A, Sipe G, Castro E Costa AR, Lorenzo IM, Nguyen M, Linares-Garcia I, Vazey E, Huda R. A paradigm for ethanol consumption in head-fixed mice during prefrontal cortical two-photon calcium imaging. *Neuropharmacology*. 2024 Mar 1;245:109800. doi: 10.1016/j.neuropharm.2023.109800. Epub 2023 Dec 4. PMID: 38056524; PMCID: PMC11292593.
5. Kuah AH, Sattgast LH, Grant KA, Gonzales SW, Khadka R, Damrath JG, Allen MR, Burr DB, Wallace JM, Maddalozzo GF, Benton ML, Beaver LM, Branscum AJ, Turner RT, Iwaniec UT. Six months of voluntary alcohol consumption in male cynomolgus macaques reduces intracortical bone porosity without altering mineralization or mechanical properties. *Bone*. 2024 Aug;185:117111. doi: 10.1016/j.bone.2024.117111. Epub 2024 Apr 26. PMID: 38679220; PMCID: PMC466935.
6. Kuiper LB, Dawes MH, West AM, DiMarco EK, Galante EV, Kishida KT, Jones SR. Comparison of dopamine release and uptake parameters across sex, species and striatal subregions. *Eur J Neurosci*. 2024 Sep;60(6):5113-5140. doi: 10.1111/ejn.16495. Epub 2024 Aug 19. PMID: 39161062; PMCID: PMC11632670.
7. Lonnberg A, Logrip ML, Kuznetsov A. Mechanisms of alcohol influence on fear conditioning: a computational model. *bioRxiv [Preprint]*. 2024 Jan 1:2023.12.30.573310. doi: 10.1101/2023.12.30.573310. PMID: 38260700; PMCID: PMC10802259.
8. Neel AI, Wang Y, Sun H, Liontis KE, McCormack MC, Mayer JC, Cervera Juanes RP, Davenport AT, Grant KA, Daunais JD, Chen R. Differential regulation of G protein-coupled receptor-associated proteins in the caudate and the putamen of cynomolgus macaques following chronic ethanol drinking. *J Neurochem*. 2024 Sep;168(9):2722-2735. doi: 10.1111/jnc.16134. Epub 2024 May 23. PMID: 38783749; PMCID: PMC11449652.

9. Nippert KE, Rowland CP, Vazey EM, Moorman DE. Alcohol, flexible behavior, and the prefrontal cortex: Functional changes underlying impaired cognitive flexibility. *Neuropharmacology*. 2024 Dec 1;260:110114. doi: 10.1016/j.neuropharm.2024.110114. Epub 2024 Aug 10. PMID: 39134298; PMCID: PMC11694314.
10. Pati D, Taxier LR, Xia M, Lee SI, Conley SY, Sides T, Boyt KM, Hunker AC, Zweifel LS, Kash TL. Dopamine D2 receptors in the bed nucleus of the stria terminalis modulate alcohol-related behaviors. *Addict Neurosci*. 2024 Jun;11:100157. doi: 10.1016/j.addicn.2024.100157. Epub 2024 May 8. PMID: 39741698; PMCID: PMC11687822.
11. Pleil KE, Grant KA, Carlson VCC, Kash TL. Chronic alcohol consumption alters sex-dependent BNST neuron function in rhesus macaques. *bioRxiv [Preprint]*. 2024 Apr 15:2024.04.11.589120. doi: 10.1101/2024.04.11.589120. PMID: 38659781; PMCID: PMC11042223.
12. Rice LC, Langan MT, Cheng DT, Sheu YS, Peterburs J, Hua J, Qin Q, Rilee JJ, Faulkner ML, Mathena JR, Munro CA, Wand GS, McCaul ME, Desmond JE. Disrupted executive cerebro-cerebellar functional connectivity in alcohol use disorder. *Alcohol Clin Exp Res (Hoboken)*. 2024 Jan;48(1):33-47. doi: 10.1111/acer.15219. Epub 2023 Nov 14. PMID: 38206281; PMCID: PMC10784638.
13. Timme NM, Ardinger CE, Weir SDC, Zelaya-Escobar R, Kruger R, Lapish CC. Non-consummatory behavior signals predict aversion-resistant alcohol drinking in head-fixed mice. *Neuropharmacology*. 2024 Jan 1;242:109762. doi: 10.1016/j.neuropharm.2023.109762. Epub 2023 Oct 21. PMID: 37871677; PMCID: PMC10872650.
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15. Wallace CW, Holleran KM, Slinkard CY, Centanni SW, Jones SR. Kappa Opioid Receptors Negatively Regulate Real Time Spontaneous Dopamine Signals by Reducing Release and Increasing Uptake. *bioRxiv [Preprint]*. 2024 Feb 6:2024.02.05.578840. doi: 10.1101/2024.02.05.578840. PMID: 38370660; PMCID: PMC10871279.
16. Womersley JS, Obellianne C, Padula AE, Lopez MF, Griffin WC, Ball LE, Berto S, Grant KA, Townsend DM, Uys JD, Mulholland PJ. Adaptations in glutathione-based redox protein signaling pathways and alcohol drinking across species. *Biomed Pharmacother*. 2024 Nov;180:117514. doi: 10.1016/j.biopha.2024.117514. Epub 2024 Oct 2. PMID: 39362067; PMCID: PMC11775667.
17. Xiao T, Roland A, Chen Y, Guffey S, Kash T, Kimbrough A. A role for circuitry of the cortical amygdala in excessive alcohol drinking, withdrawal, and alcohol use disorder. *Alcohol*. 2024 Mar 4:S0741-8329(24)00034-X. doi: 10.1016/j.alcohol.2024.02.008. Epub ahead of print. PMID: 38447789; PMCID: PMC11371945.