

Matthew Pomrenze

Postdoctoral Research Fellow, Psychiatry

Bio

PROFESSIONAL EDUCATION

- Bachelor of Arts, University of Colorado Boulder (2011)
- Doctor of Philosophy, University of Texas Austin (2019)

STANFORD ADVISORS

- Robert Malenka, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Differential regulation of alcohol consumption and reward by the transcriptional cofactor LMO4.** *Molecular psychiatry*
Maiya, R., Pomrenze, M. B., Tran, T., Tiwari, G. R., Beckham, A., Paul, M. T., Dayne Mayfield, R., Messing, R. O.
2020
- **Dissecting the Roles of GABA and Neuropeptides from Rat Central Amygdala CRF Neurons in Anxiety and Fear Learning.** *Cell reports*
Pomrenze, M. B., Giovanetti, S. M., Maiya, R., Gordon, A. G., Kreeger, L. J., Messing, R. O.
2019; 29 (1): 13
- **Inactivation of a CRF-dependent amygdalofugal pathway reverses addiction-like behaviors in alcohol-dependent rats.** *Nature communications*
de Guglielmo, G., Kallupi, M., Pomrenze, M. B., Crawford, E., Simpson, S., Schweitzer, P., Koob, G. F., Messing, R. O., George, O.
2019; 10 (1): 1238
- **Promoting activity of (#4)3(#2)2 nicotinic cholinergic receptors reduces ethanol consumption.** *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*
Wang, J., Blasio, A., Chapman, H. L., Doebelin, C., Liaw, V., Kuryatov, A., Giovanetti, S. M., Lindstrom, J., Lin, L., Cameron, M. D., Kamenecka, T. M., Pomrenze, M. B., Messing, et al
2019
- **A Corticotropin Releasing Factor Network in the Extended Amygdala for Anxiety.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Pomrenze, M. B., Tovar-Diaz, J., Blasio, A., Maiya, R., Giovanetti, S. M., Lei, K., Morikawa, H., Hopf, F. W., Messing, R. O.
2019; 39 (6): 1030–43
- **Cooperative CRF and #1 Adrenergic Signaling in the VTA Promotes NMDA Plasticity and Drives Social Stress Enhancement of Cocaine Conditioning.** *Cell reports*
Tovar-Díaz, J., Pomrenze, M. B., Kan, R., Pahlavan, B., Morikawa, H.
2018; 22 (10): 2756–66
- **Novel Small-Molecule Inhibitors of Protein Kinase C Epsilon Reduce Ethanol Consumption in Mice.** *Biological psychiatry*
Blasio, A., Wang, J., Wang, D., Varodayan, F. P., Pomrenze, M. B., Miller, J., Lee, A. M., McMahon, T., Gyawali, S., Wang, H. Y., Roberto, M., McHardy, S., Pleiss, et al
2018; 84 (3): 193–201
- **The Corticotropin Releasing Factor Receptor 1 in Alcohol Use Disorder: Still a Valid Drug Target?** *Alcoholism, clinical and experimental research*
Pomrenze, M. B., Fetterly, T. L., Winder, D. G., Messing, R. O.

2017; 41 (12): 1986–99

- **Repeated social defeat stress enhances glutamatergic synaptic plasticity in the VTA and cocaine place conditioning.** *eLife*

Stelly, C. E., Pomrenze, M. B., Cook, J. B., Morikawa, H.

2016; 5

- **DAT isn't all that: cocaine reward and reinforcement require Toll-like receptor 4 signaling.** *Molecular psychiatry*

Northcutt, A. L., Hutchinson, M. R., Wang, X., Baratta, M. V., Hiranita, T., Cochran, T. A., Pomrenze, M. B., Galer, E. L., Kopajtic, T. A., Li, C. M., Amat, J., Larson, G., Cooper, et al

2015; 20 (12): 1525–37