

CURRICULUM VITAE
Hang Zhou, PhD

Version Date: 10/01/2025

School: Yale School of Medicine

Education:

09/2005-06/2009 BS, Bioinformatics, Shanghai Jiao Tong University, Shanghai, China

09/2009-09/2015 PhD, Computational Biology, Chinese Academy of Sciences, Shanghai, China

Career/Academic Appointments:

09/2007-08/2008 Student Research Program, Laboratory of Plant Developmental Biology, Shanghai Jiao Tong University, Shanghai, China

09/2008-06/2009 Intern Student, Partner Institute for Computational Biology (PICB), Chinese Academy of Sciences, Shanghai, China

09/2011-12/2011 Visiting Scholar, Department of Evolutionary Genetics, Max-Planck Institute for Evolutionary Anthropology, Leipzig, Germany

11/2015-06/2018 Postdoctoral Associate, Dept. of Psychiatry, Yale School of Medicine, New Haven, CT

07/2018-12/2021 Associate Research Scientist, Dept. of Psychiatry, Yale School of Medicine, New Haven, CT

01/2022-present Assistant Professor, Dept. of Psychiatry, Yale School of Medicine, New Haven, CT

01/2023-present Member, Center for Brain & Mind Health, Yale School of Medicine, New Haven, CT

01/2023-present Assistant Professor, Department of Biomedical Informatics & Data Science, Yale School of Medicine, New Haven, CT

Professional Honors & Recognition:

International/National/Regional

2012: Trainee full scholarship, The 13th International Meeting on Human Genome Variation and Complex Genome Analysis

2012: National Scholarship for Graduate Students, China

2013: Graduate Travel Award, Society for Molecular Biology and Evolution

2018: NARSAD Young Investigator Grant, P&S Fund Investigator, Brain & Behavior Research Foundation

2019: Early Career Investigator, Department of Veterans Affairs, Million Veteran Program

University

2013: Best Oral Report Award, CAS-MPG PICB Scientific Exchange Meeting

2014: Best Poster Report Award, CAS-MPG PICB Scientific Exchange Meeting

2021: Early Investigators, Yale-SCORE Program for Sex Differences in Alcohol Use Disorder

2023: Early Investigator Career Enhancement Program, Yale-SCORE Program for Sex Differences in Alcohol Use Disorder

2023: Annual Pilot Award, Yale Center for the Translational Neuroscience of Alcoholism

2023: AWS Cloud Credit for Research program, Yale Center for Research Computing

2025: UK Biobank Research Analysis Platform (UKB-RAP) Transition Credits Programme

2025: Annual Pilot Award, Yale Center for the Translational Neuroscience of Alcoholism

Grant/Clinical Trials History:

Current Grants

Agency: NIH/NIAAA
ID#: R01 AA032548
Title: “Whole-genome sequencing study of alcohol use disorder across biobanks and ancestries”
P.I.: Hang Zhou, Ph.D.
Project period: 09/10/2025 – 08/31/2029

Agency: NIH/NIDA
ID#: R21 DA063120
Title: “Finding the missing parts of human genetics of substance use disorders”
P.I.: Hang Zhou, Ph.D.
Project period: 06/01/2025 – 05/31/2027

Agency: NIH/NIAAA
ID#: P50 AA012870
Title: “Center for the Translational Neuroscience of Alcoholism”
P.I.: John Krystal, M.D.
Role on Project: Co-investigator
Project period: 06/01/2021 – 05/31/2026

Agency: NIH/NIDA
ID#: R01 DA037974
Title: “Methamphetamine and Other Substance Use Disorder Genetics in Thailand”
P.I.: Joel Gelernter, M.D., Marc Potenza, M.D.
Role on Project: Co-investigator
Project period: 08/01/2023 – 04/30/2028

Agency: NIH/NHGRI
ID#: RM1 HG011558
Title: “Genetic & Social Determinants of Health: Center for Admixture Science and Technology”
P.I.: Lucila Ohno-Machado, M.D., M.B.A., Ph.D.
Role on Project: Co-investigator
Project period: 04/01/2023 – 06/30/2026

Agency: NIH/NIMH
ID#: R01 MH133728
Title: “Expanding Genetic Understanding of Depression, Anxiety, and their Treatments”
P.I.: Joel Gelernter, M.D., Murray Stein, M.D.
Role on Project: Co-investigator
Project period: 08/01/2024 – 02/28/2029

Past Grants

Agency: Brain & Behavior Research Foundation
I.D.# NARSAD Young Investigator Grant
Title: “Identifying genetic risks for comorbid major depression and substance use disorders by large-scale whole exome sequencing”

P.I.: Hang Zhou, Ph.D.
Project period: 01/15/2019 – 01/14/2022

Agency: NIH/NCI
ID#: R21 CA252916
Title: “Genetic Causality of Alcohol Intake and Alcohol Use Disorder on Cancer Risk”
P.I.: Hang Zhou, Ph.D.
Project period: 09/17/2021 – 08/31/2023

Agency: Yale SCORE on Sex Differences in Alcohol Use Disorder
I.D.# Early Investigator
Title: “Genetics of sex differences in alcohol use disorder”
P.I.: Hang Zhou, Ph.D.
Project period: 09/15/2021 – 08/14/2022

Agency: Yale Center for the Translational Neuroscience of Alcoholism
I.D.# Annual Pilot Award
Title: “Linking genetics of problematic alcohol use and gene expression in neurons using single-cell RNA sequencing”
P.I.: Hang Zhou, Ph.D.
Project period: 09/15/2023 – 05/31/2024

Agency: NIH/NIAAA
ID#: U54 AA027989
Title: “Genetics of sex differences in alcohol use disorder”
P.I.: Sherry McKee, Ph.D.
Role on Project: Early Investigator Career Enhancement Program
Project period: 03/10/2020 – 02/28/2025

Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated with Yale:

International/National

1. World Congress of Psychiatric Genetics, virtual, PGC-SUD working group update, 2020
2. Psychiatric Genomics Consortium Worldwide Lab Meeting, virtual, 2020
3. Latin American Genomics Consortium, virtual, 2021
4. Million Veteran Program Statistical Genetics working group, 2021
5. The American Society of Human Genetics Annual Meeting. Los Angeles, CA. Co-chair for platform “Genetics for substance use disorders”, 2022
6. UT Health School of Biomedical Informatics, CPH Seminar in Precision Medicine, 2022
7. PGC-SUD working group monthly meeting, 2023
8. The 17th National Drug Dependence Scientific Meeting, virtual, 2023
9. 2025 National Cancer Policy Forum Workshop: Addressing the Impact of Tobacco and Alcohol Use on Cancer-Related Health Outcomes. 2025

Regional

1. The 2013 CAS-MPG PICB Scientific Exchange Meeting, Shanghai, China, 2013
2. Fudan University, Shanghai, China, Seminar, 2014
3. Million Veteran Program (MVP) beta project annual meeting, West Haven, 2018

Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated with Yale:

International/National

1. **Zhou H.** Oral presentation. The 13th International Meeting on Human Genome Variation and Complex Genome Analysis, Shanghai, China, Session on NGS research, 2012
2. **Zhou H,** Kranzler HR, Sherva R, Yang BZ, Montalvo-Ortiz J, Farrer L, Zhao H, Gelernter J. Poster presentation. The American Society of Human Genetics, Vancouver, Canada, 2016
3. **Zhou H,** Polimanti R, Yang BZ, Wang Q, Han S, Sherva R, Nuñez YZ, Zhao H, Farrer LA, Kranzler HR, Gelernter J. Poster presentation. The American Society of Human Genetics, Orlando, FL. 2017
4. **Zhou H,** Polimanti R, Yang BZ, Wang Q, Han S, Sherva R, Nuñez YZ, Zhao H, Farrer LA, Kranzler HR, Gelernter J. Poster presentation. World Congress of Psychiatric Genetics, Orlando, FL. 2017
5. **Zhou H,** Kranzler HR, Kember RL, Smith RV, Justice AC, Damrauer S, Klarin DM, Polimanti R, Cheng Z, Reid J, Overton J, Tate JP, Becker WC, Concato J, Xu K, Zhao H, Gelernter J; on behalf of the VA Million Veteran Program. Poster presentation. The American Society of Human Genetics, San Diego, CA. 2018
6. **Zhou H.** Oral presentation. Million Veteran Program (MVP) Science Conference, Nashville, NV. 2018
7. **Zhou H,** Cheng Z, Bass N, Krystal JH, Farrer LA, Kranzler HR, Gelernter J. Poster presentation. Society of Biological Psychiatry, New York, NY. 2018
8. **Zhou H.** Oral presentation. Annual Research Society on Alcoholism (RSA) Scientific Meeting, Minneapolis, MN, Symposia on Genome-wide association study findings inform the relationship between heavy drinking and alcohol use disorder, 2019
9. **Zhou H.** Oral presentation. Million Veteran Program (MVP) Science Conference, Philadelphia, PA, 2019
10. **Zhou H.** Oral presentation. The American Society of Human Genetics, Huston, TX, Platform session on Genetics of addiction and behavior, 2019
11. **Zhou H.** Oral presentation. World Congress of Psychiatric Genetics, Los Angeles, CA, Symposia on Genetic architecture of psychiatric and addiction traits in the Million Veteran Program, 2019
12. **Zhou H.** Oral presentation. Research Society on Alcoholism Scientific Meeting, virtual, Symposia on Asian drinking, genotypes, and public health, 2021
13. **Zhou H.** Oral presentation. World Congress of Psychiatric Genetics, virtual, 2021
14. **Zhou H.** Oral presentation. Million Veteran Program (MVP) Science Conference, virtual, 2021
15. **Zhou H.** Oral presentation. Society of Biological Psychiatry, New Orleans, LA, 2022
16. **Zhou H.** Oral presentation. NIDA Genetics and Epigenetics Cross Cutting Research Team (GECCRT), virtual, Session on Can Increasing Diversity Lead to Deeper Understanding of Addiction? 2022
17. **Zhou H.** Oral presentation. Research Society on Alcoholism Scientific Meeting, Orlando, FL, 2022
18. **Zhou H.** Oral presentation. Million Veteran Program (MVP) Science Conference, St. Petersburg, FL, 2022
19. **Zhou H.** Oral presentation. Research Society on Alcoholism Scientific Meeting, Bellevue, WA. Co-chair for the symposium “Leveraging genetics of alcohol use and alcohol use disorder to investigate genetic liabilities to alcohol-related outcomes in diverse populations”, 2023

20. **Zhou H**, Yang BZ, Kranzler HR, Gelernter J. Poster presentation. The American Society of Human Genetics, Washington, DC, 2023
21. **Zhou H**, Yang BZ, Kranzler HR, Gelernter J. Poster presentation. World Congress of Psychiatric Genetics, Montreal, Canada. 2023

Professional Service

Peer Review Groups/Grant Study Sections:

- 2024 *Ad hoc* Member, Neurotoxicology and Alcohol Study Section, NIH/NIAAA
2025 Grant reviewer, Yale Center for Brain and Mind Health (CBMH): 2025 Pilot Awards

Journals:

Editorial Boards

- 2020-present Editorial Board, *Complex Psychiatry*
2022-present Editorial Board, *PLOS One*

Reviewer

Addiction, Addiction Biology, Alcohol, Alcoholism: Clinical and Experimental Research, Alcohol and Alcoholism, American Journal of Drug and Alcohol Abuse, American Journal of Human Genetics, Biological Psychiatry, BMC Medicine, Communications Biology, Complex Psychiatry, Drug and Alcohol Dependence, Drug and Alcohol Dependence Reports, European Addiction Research, Nature Communications, Nature Human Behaviour, Neuropsychopharmacology, npj Cardiovascular Health, Nucleic Acids Research, PLOS Genetics, PLOS One, Translational Psychiatry

Professional Organizations:

American Society of Human Genetics

- 2022 Co-modulator for Session “Genetics of substance use disorders”

Research Society on Alcoholism

- 2022 Mentoring Program (meeting mentor for a postdoc trainee)
2023 Co-Chair, symposium “Leveraging genetics of alcohol use and alcohol use disorder to investigate genetic liabilities to alcohol-related outcomes in diverse populations”
2024 Committee Member and Abstract Reviewer, Sex & Gender & Alcohol Satellite Meeting

Million Veteran Program

- 2025 Abstract Reviewing Committee, MVP 2025 Science meeting

Yale University/Hospital System:

Medical School Committees

- 2023 Abstract reviewer, Yale Conference for Alcohol Research & Education
2024 Informal interview for research for MD-PhD Program candidates

Departmental Committees

- 2023-present Faculty recruitment at the Department of Biomedical Informatics & Data Science

Bibliography:

Peer-Reviewed Original Research

1. Li J, Zhang L, **Zhou H**, Stoneking M, Tang K. Global patterns of genetic diversity and signals of natural selection for human ADME genes. *Human Molecular Genetics* 2011, 20(3):528-40.
2. Peng S, Tan J, Hu S, **Zhou H**, Guo J, Jin L, Tang K. Detecting genetic association of common human facial morphological variation using high density 3D image registration. *PLoS Computational Biology* 2013, 9(12):e1003375.
3. Guo J, Tan J, Yang Y, **Zhou H**, Hu S, Hashan A, Bahaxar N, Xu S, Weaver TD, Jin L, Stoneking M, Tang K. Variation and signatures of selection on the human face. *Journal of Human Evolution* 2014, 75:143-52.
4. Qian W, **Zhou H**, Tang K. Recent coselection in human populations revealed by protein-protein interaction network. *Genome Biology and Evolution* 2014, 7(1):136-53.
5. Valverde G*, **Zhou H***, Lippold S, de Filippo C, Tang K, López Herráez D, Li J, Stoneking M. A novel candidate region for genetic adaptation to high altitude in Andean populations. *PLoS One* 2015, 10(5):e0125444.
6. Hou Z, Luo Y, Wang Z, Zheng H, Wang Y, **Zhou H**, Wu L, Jin L. Inferring the dynamics of effective population size using autosomal genomes. *Scientific Reports* 2016, 6:20079.
7. Andersen AM, Pietrzak RH, Kranzler HR, Ma L, **Zhou H**, Liu X, Kramer J, Kuperman S, Edenberg HJ, Nurnberger JI Jr, Rice JP, Tischfield JA, Goate A, Foroud TM, Meyers JL, Porjesz B, Dick DM, Hesselbrock V, Boerwinkle E, Southwick SM, Krystal JH, Weissman MM, Levinson DF, Potash JB, Gelernter J, Han S. Polygenic scores for major depressive disorder and risk of alcohol dependence. *JAMA Psychiatry* 2017, 74(11):1153-1160.
8. **Zhou H**, Polimanti R, Yang BZ, Wang Q, Han S, Sherva R, Nuñez YZ, Zhao H, Farrer LA, Kranzler HR, Gelernter J. Genetic risk variants associated with comorbid alcohol dependence and major depression. *JAMA Psychiatry* 2017, 74(12):1234-1241.
9. Qiao L, Yang Y, Fu P, Hu S, **Zhou H**, Tan J, Lu Y, Lou H, Lu D, Wu S, Guo J, Peng S, Jin L, Guan Y, Wang S, Xu S, Tang K. Genome-wide variants of Eurasian facial shape differentiation and a prospective model of DNA based face prediction. *Journal of Genetics and Genomics* 2018, 45(8):419-432.
10. Zhang H, **Zhou H**, Lencz T, Farrer LA, Kranzler HR, Gelernter J. Genome-wide association study of cognitive flexibility assessed by Wisconsin Card Sorting Tests. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 2018, 177(5):511-519.
11. Gelernter J, **Zhou H**, Nuñez YZ, Mutirangura A, Malison RT, Kalayasiri R. Genomewide association study of alcohol dependence and related traits in a Thai population. *Alcoholism: Clinical and Experimental Research* 2018, 42(5):861-868.
12. Montalvo-Ortiz JL, **Zhou H**, D'Andrea I, Maroteaux L, Lori A, Smith A, Ressler K, Nuñez Y, Farrer LA, Zhao H, Kranzler HR, Gelernter J. Translational studies support a role for serotonin 2B receptors in aggression-related cannabis response. *Molecular Psychiatry* 2018, 23(12):2277-2286.
13. Cheng Z, **Zhou H**, Sherva R, Farrer LA, Kranzler HR, Gelernter J. Genome-wide association study identifies a regulatory variant of *RGMA* associated with opioid dependence in European Americans. *Biological Psychiatry* 2018, 84(10):762-770.
14. **Zhou H**, Cheng Z, Bass N, Farrer LA, Krystal JH, Kranzler HR, Gelernter J. Genome-wide association study identifies glutamate ionotropic receptor *GRIA4* as a risk gene for comorbid nicotine dependence and major depression. *Translational Psychiatry* 2018, 8(1):208.
15. Sun Y, Chang S, Wang F, Sun H, Ni Z, Yue W, **Zhou H**, Gelernter J, Malison RT, Kalayasiri R, Wu P, Lu L, Shi J. Genome-wide association study of alcohol dependence in male Han Chinese and cross-ethnic polygenic risk score comparison. *Translational Psychiatry* 2019, 9(1):249.

16. Levey DF, Polimanti R, Cheng Z, **Zhou H**, Nuñez YZ, Jain S, He F, Sun X, Ursano RJ, Kessler RC, Smoller JW, Stein MB, Kranzler HR, Gelernter J. Genetic associations with suicide attempt severity and polygenic overlap with major depression. *Translational Psychiatry* 2019, 9(1):22.
17. Xiang B, Yang B, **Zhou H**, Kranzler HR, Gelernter J. GWAS and network analysis of co-occurring nicotine and alcohol dependence identifies significantly associated alleles and network. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 2019, 180(1):3-11.
18. Yang BZ, **Zhou H***, Cheng Z*, Kranzler HR, Gelernter J. Genomewide gene-by-sex interaction scans identify *ADGRV1* for sex differences in opioid dependent African Americans. *Scientific Reports* 2019, 9(1):18070.
19. Kranzler HR*, **Zhou H***, Kember RL*, Smith RV, Justice AC, Damrauer S, Tsao PS, Klarin D, Baras A, Reid J, Overton J, Rader DJ, Cheng Z, Tate JP, Becker WC, Concato J, Xu K, Polimanti R, Zhao H, Gelernter J. Genome-wide association study of alcohol consumption and use disorder in 274,424 individuals from multiple populations. *Nature Communications* 2019, 10(1):1499.
20. Munn-Chernoff MA, Johnson EC, Chou YL, ..., **Zhou H**, ...Gelernter J, Edenberg HJ, Bulik CM, Agrawal A. Shared genetic risk between eating disorder- and substance-use-related phenotypes: Evidence from genome-wide association studies. *Addiction Biology* 2020, 26(1):e12880.
21. Levey DF, Gelernter J, Polimanti R, **Zhou H**, Cheng Z, Aslan M, Quaden R, Concato J, Radhakrishnan K, Bryois J, Sullivan PF, Million Veteran Program, Stein MB. Reproducible genetic risk loci for anxiety: Results from ~200,000 participants in the Million Veteran Program. *American Journal of Psychiatry* 2020, 177(3):223-232.
22. Cheng Z, Yang BZ, **Zhou H**, Nuñez Y, Kranzler HR, Gelernter J. Genome-wide scan identifies opioid overdose risk locus close to *MCOLN1*. *Addiction Biology* 2020, 25(2):e12811.
23. Cao H, **Zhou H**, Cannon TD. Functional connectome-wide associations of schizophrenia polygenic risk. *Molecular Psychiatry* 2021 Jun;26(6):2553-2561. Epub 2020 Mar 3.
24. Xu K, Li B, McGinnis KA, Vickers-Smith R, Dao C, Sun N, Kember RL, **Zhou H**, Becker WC, Gelernter J, Kranzler HR, Zhao H, Justice AC; VA Million Veteran Program. Genome-wide association study of smoking trajectory and meta-analysis of smoking status in 842,000 individuals. *Nature Communications* 2020, 11(1):5302.
25. **Zhou H**, Sealock JM, Sanchez-Roige S, Clarke TK, Levey DF, Cheng Z, Li B, Polimanti R, Kember RL, Smith RV, Thygesen JH, Morgan MY, Atkinson SR, Thursz MR, Nyegaard M, Mattheisen M, Børglum AD, Johnson EC, Justice AC, Palmer AA, McQuillin A, Davis LK, Edenberg HJ, Agrawal A, Kranzler HR, Gelernter J. Genome-wide meta-analysis of problematic alcohol use in 435,563 individuals yields insights into biology and relationships with other traits. *Nature Neuroscience* 2020, 23(7):809-818.
26. **Zhou H**, Rentsch CT, Cheng Z, Kember RL, Nuñez YZ, Tate JP, Dao C, Xu K, Polimanti R, Farrer LA, Justice AC, Kranzler HR, Gelernter J, for the VA Million Veteran Program. Association of *OPRM1* functional coding variant with opioid use disorder: A genome-wide association study. *JAMA Psychiatry* 2020, 77(10):1072–80.
27. Johnson EC, Demontis D, Thorgeirsson TE, Walters RK, Polimanti R, Hatoum AS, Sanchez-Roige S, Paul SE, Wendt FR, Clarke TK, Lai D, Reginsson GW, **Zhou H**, ..., Psychiatric Genomics Consortium Substance Use Disorders Workgroup, Davis LK, Bogdan R, Gelernter J, Edenberg HJ, Stefansson K, Børglum AD, Agrawal A. A large-scale genome-wide association study meta-analysis of cannabis use disorder. *Lancet Psychiatry* 2020, 7(12):1032-1045.
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31. Levey DF, Stein MB, Wendt F, Pathak G, **Zhou H**, Aslan M, Quaden R, Harrington KM, Nuñez YZ, Overstreet C, Radhakrishnan K, Sanacora G, McIntosh AM, Shi J, Shringarpure SS, 23andMe Research Team, Million Veteran Program, Concato J, Polimanti R, Gelernter J. Bi-ancestral depression GWAS in the Million Veteran Program and meta-analysis in >1.2 million individuals highlight new therapeutic directions. *Nature Neuroscience* 2021 Jul;24(7):954-963.
32. Karlsson Linnér R, Mallard TT, Barr PB, Sanchez-Roige S, Madole JW, Driver MN, Poore HE, de Vlaming R, Grotzinger AD, Tielbeek JT, Johnson EC, Liu M, Rosenthal SB, Ideker T, **Zhou H**, Kember RL, Pasman JA, Verweij KJH, Liu DJ, Vrieze S, COGA Collaborators, Kranzler HR, Gelernter J, Harris KM, Tucker-Drob EM, Waldman I, Palmer AA, Harden KP, Koellinger PD, Dick DM. Multivariate analysis of 1.5 million people identifies genetic associations with traits related to self-regulation and addiction. *Nature Neuroscience* 2021 Oct;24(10):1367-1376.
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34. **Zhou H**, Kalayasiri R, Sun Y, Nuñez YZ, Deng HW, Chen XD, Justice AC, Kranzler HR, Chang S, Lu L, Shi J, Sanichwankul K, Mutirangura A, Malison RT, Gelernter J. Genome-wide Meta-analysis of Alcohol Use Disorder in East Asian. *Neuropsychopharmacology* 2022 Sep;47(10):1791-1797.
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36. Montalvo-Ortiz JL, Gelernter J, Cheng Z, Girgenti MJ, Xu K, Zhang X, Gopalan S, **Zhou H**, Duman RS, Southwick SM, Krystal JH; Traumatic Stress Brain Research Study Group, Pietrzak RH. Epigenome-wide association study of posttraumatic stress disorder identifies novel loci in U.S. military veterans. *Translational Psychiatry* 2022 Feb 17;12(1):65.
37. Topiwala A, Taschler B, Ebmeier KP, Smith S, **Zhou H**, Levey DF, Codd V, Samani NJ, Gelernter J, Nichols TE, Burgess S. Alcohol consumption and telomere length: Mendelian randomization clarifies alcohol's effects. *Molecular Psychiatry* 2022 Oct;27(10):4001-4008.
38. Deak JD, **Zhou H**, Galimberti M, Levey DF, Wendt FR, Sanchez-Roige S, Hatoum AS, Johnson EC, Nunez YZ, Demontis D, Børglum AD, Rajagopal VM, Jennings MV, Kember RL, Justice AC, Edenberg HJ, Agrawal A, Polimanti R, Kranzler HR, Gelernter J. Genome-wide association study in individuals of European and African ancestry and multi-trait analysis of opioid use disorder identifies 19 independent genome-wide significant risk loci. *Molecular Psychiatry* 2022 Oct;27(10):3970-3979.
39. Topiwala A, Wang C, Ebmeier KP, Burgess S, Bell S, Levey DF, **Zhou H**, McCracken C, Roca-Fernández A, Petersen SE, Raman B, Husain M, Gelernter J, Miller KL, Smith SM, Nichols TE. Associations between moderate alcohol consumption, brain iron, and cognition in UK Biobank

- participants: Observational and mendelian randomization analyses. *PLoS Medicine* 2022 Jul 14;19(7):e1004039.
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 45. Kember RL, Vickers-Smith R, **Zhou H**, Xu H, Dao C, Justice AC, Gelernter J, Vujkovic M, Kranzler HR. Genetic underpinnings of the transition from alcohol consumption to alcohol use disorder: shared and unique genetic architectures in a cross-ancestry sample. *American Journal of Psychiatry* 2023 Aug 1;180(8):584-593.
 46. Cheng Y, Dao C, **Zhou H**, Li B, Kember RL, Toikumo S, Zhao H, Gelernter J, Kranzler HR, Justice AC, Xu K. Multi-trait genome-wide association analyses leveraging alcohol use disorder findings identify novel loci for smoking behaviors in the Million Veteran Program. *Translational Psychiatry*. 2023 May 5;13(1):148.
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Commentaries, Editorials, and Letters

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