

Publications

JOURNAL ARTICLES

1. Barr, P. B., Bigdeli, T. B., Meyers, J. L., Peterson, R. E., Sanchez-Roige, S., Mallard, T. T., Dick, D. M., Harden, K. P., Wilkinson, A., Graham, D. P., Nielsen, D. A., Swann, A. C., Lipsky, R. K., Kosten, T. R., Aslan, M., Harvey, P. D., Kimbrel, N. A., Beckham, J. C., Aslan, M., ... Whittle, J. (2024). Correlates of risk for disinhibited behaviors in the million veteran program cohort. *JAMA Psychiatry*, 81(2), 188. <https://doi.org/10.1001/jamapsychiatry.2023.4141>
2. Willems, Y. E., deSteiguer, A., Tanksley, P. T., Vinnik, L., Fraemke, D., Okbay, A., Richter, D., Wagner, G. G., Hertwig, R., Koellinger, P., Tucker-Drob, E. M., Harden, K. P., & Raffington, L. (2024). Self-control is associated with health-relevant disparities in buccal DNA-methylation measures of biological aging in older adults. *Clinical Epigenetics*, 16(1). <https://doi.org/10.1186/s13148-024-01637-7>
3. Clapp Sullivan, M. L., Schwaba, T., Harden, K. P., Grotzinger, A. D., Nivard, M. G., & Tucker-Drob, E. M. (2024). Beyond the factor indeterminacy problem using genome-wide association data. *Nature Human Behaviour*, 8(2), 205–218. <https://doi.org/10.1038/s41562-023-01789-1>
4. Nivard, M. G., Belsky, D. W., Harden, K. P., Baier, T., Andreassen, O. A., Ystrøm, E., Bergen, E. van, & Lyngstad, T. H. (2024). More than nature and nurture, indirect genetic effects on children's academic achievement are consequences of dynastic social processes. *Nature Human Behaviour*. <https://doi.org/10.1038/s41562-023-01796-2>
5. Koellinger, P. D., Okbay, A., Kweon, H., Schweinert, A., Linnér, R. K., Goebel, J., Richtel, D., Reiber, L., Zweck, B. M., Belsky, D. W., Biroli, P., Mata, R., Tucker-Drob, E. M., Harden, K. P., Wagner, G., & Hertwig, R. (2023). Cohort profile: Genetic data in the german socio-economic panel innovation sample (SOEP-g). *PLOS ONE*, 18(11), e0294896. <https://doi.org/10.1371/journal.pone.0294896>
6. Raffington, L., Schneper, L., Mallard, T., Fisher, J., Vinnik, L., Hollis-Hansen, K., Notterman, D. A., Tucker-Drob, E. M., Mitchell, C., & Harden, K. P. (2023). Salivary epigenetic measures of body mass index and social determinants of health across childhood and adolescence. *JAMA Pediatrics*, 177(10), 1047. <https://doi.org/10.1001/jamapediatrics.2023.3017>
7. Poore, H. E., Hatoum, A., Mallard, T. T., Sanchez-Roige, S., Waldman, I. D., Palmer, A. A., Harden, K. P., Barr, P. B., & Dick, D. M. (2023). A multivariate approach to understanding the genetic overlap between externalizing phenotypes and substance use disorders. *Addiction Biology*, 28(9). <https://doi.org/10.1111/adb.13319>
8. Madole, J. W., & Harden, K. P. (2023). Causal complexity in human research: On the shared challenges of behavior genetics, medical genetics, and environmentally oriented social science. *Behavioral and Brain Sciences*, 46. <https://doi.org/10.1017/s0140525x23000833>
9. Williams, C. M., Poore, H., Tanksley, P. T., Kweon, H., Courchesne-Krak, N. S., Londono-Correa, D., Mallard, T. T., Barr, P., Koellinger, P. D., Waldman, I. D., Sanchez-Roige, S., Harden, K. P., Palmer, A. A., Dick, D. M., & Karlsson Linnér, R. (2023). Guidelines for evaluating the comparability of down-sampled GWAS summary statistics. *Behavior Genetics*, 53(5–6), 404–415. <https://doi.org/10.1007/s10519-023-10152-z>
10. Raffington, L., Schwaba, T., Aikins, M., Richter, D., Wagner, G. G., Harden, K. P., Belsky, D. W., & Tucker-Drob, E. M. (2023). Associations of socioeconomic disparities with buccal DNA-methylation measures of biological aging. *Clinical Epigenetics*, 15(1). <https://doi.org/10.1186/s13148-023-01489-7>
11. Meyer, M. N., Appelbaum, P. S., Benjamin, D. J., Callier, S. L., Comfort, N., Conley, D., Freese, J., Garrison, N. A., Hammonds, E. M., Harden, K. P., Lee, S. S., Martin, A. R., Martschenko, D. O., Neale, B. M., Palmer, R. H. C., Tabery, J., Turkheimer, E., Turley, P., & Parens, E. (2023). Wrestling with social and behavioral genomics: Risks, potential benefits, and ethical responsibility. *Hastings Center Report*, 53(S1). <https://doi.org/10.1002/hast.1477>
12. Raffington, L., Tanksley, P. T., Sabhlok, A., Vinnik, L., Mallard, T., King, L. S., Goosby, B., Harden, K. P., & Tucker-Drob, E. M. (2022). Socially stratified epigenetic profiles are associated with cognitive functioning in children and adolescents. *Psychological Science*, 34(2), 170–185. <https://doi.org/10.1177/09567976221122760>
13. Patterson, M. W., Pivnick, L., Mann, F. D., Grotzinger, A. D., Monahan, K. C., Steinberg, L. D., Oosterhoff, B., Tackett, J. L., Tucker-Drob, E. M., & Harden, K. P. (2022). A mixed-methods approach to refining and measuring the construct of positive risk-taking in adolescence. *Journal of Research on Adolescence*, 33(2), 680–700. <https://doi.org/10.1111/jora.12807>

14. Barr, P. B., Driver, M. N., Kuo, S. I.-C., Stephenson, M., Aliev, F., Linnér, R. K., Marks, J., Anokhin, A. P., Bucholz, K., Chan, G., Edenberg, H. J., Edwards, A. C., Francis, M. W., Hancock, D. B., Harden, K. P., Kamarajan, C., Kaprio, J., Kinreich, S., Kramer, J. R., ... Dick, D. M. (2022). Clinical, environmental, and genetic risk factors for substance use disorders: Characterizing combined effects across multiple cohorts. *Molecular Psychiatry*, 27(11), 4633–4641. <https://doi.org/10.1038/s41380-022-01801-6>
15. Shields, A. N., Malanchini, M., Vinnik, L., Tucker-Drob, E. M., Harden, K. P., & Tackett, J. L. (2022). Genetic variance in conscientiousness relates to youth psychopathology beyond executive functions. *Journal of Psychopathology and Clinical Science*, 131(8), 830–846. <https://doi.org/10.1037/abn0000781>
16. Harden, K. P. (2022). Genetic determinism, essentialism and reductionism: Semantic clarity for contested science. *Nature Reviews Genetics*, 24(3), 197–204. <https://doi.org/10.1038/s41576-022-00537-x>
17. Tielbeek, J. J., Uffelmann, E., Williams, B. S., Colodro-Conde, L., Gagnon, É., Mallard, T. T., Levitt, B. E., Jansen, P. R., Johansson, A., Sallis, H. M., Pistis, G., Saunders, G. R. B., Allegrini, A. G., Rimfeld, K., Konte, B., Klein, M., Hartmann, A. M., Salvatore, J. E., Nolte, I. M., ... Posthuma, D. (2022). Uncovering the genetic architecture of broad antisocial behavior through a genome-wide association study meta-analysis. *Molecular Psychiatry*, 27(11), 4453–4463. <https://doi.org/10.1038/s41380-022-01793-3>
18. Harden, K. P. (2022). On genetics and justice: A reply to coop and przeworski (2022). *Evolution*, 76(10), 2469–2474. <https://doi.org/10.1111/evo.14589>
19. Barr, P. B., Mallard, T. T., Sanchez-Roige, S., Poore, H. E., Linnér, R. K., Porjesz, B., Hesselbrock, V., Foroud, T., Agrawal, A., Dick, D., Edenberg, H. J., Nurnberger, J., Liu, Y., Kuperman, S., Kramer, J., Meyers, J., Kamarajan, C., Pandey, A., Bierut, L., ... Dick, D. M. (2022). Parsing genetically influenced risk pathways: Genetic loci impact problematic alcohol use via externalizing and specific risk. *Translational Psychiatry*, 12(1). <https://doi.org/10.1038/s41398-022-02171-x>
20. Raffington, L., Malanchini, M., Grotzinger, A. D., Madole, J. W., Engelhardt, L. E., Sabhlok, A., Youn, C., Patterson, M. W., Harden, K. P., & Tucker-Drob, E. M. (2022). An in-laboratory stressor reveals unique genetic variation in child cortisol output. *Developmental Psychology*, 58(10), 1832–1848. <https://doi.org/10.1037/dev0001393>
21. Mallard, T. T., Karlsson Linnér, R., Grotzinger, A. D., Sanchez-Roige, S., Seidlitz, J., Okbay, A., Vlaming, R. de, Meddens, S. F. W., Palmer, A. A., Davis, L. K., Tucker-Drob, E. M., Kendler, K. S., Keller, M. C., Koellinger, P. D., & Harden, K. P. (2022). Multivariate GWAS of psychiatric disorders and their cardinal symptoms reveal two dimensions of cross-cutting genetic liabilities. *Cell Genomics*, 2(6), 100140. <https://doi.org/10.1016/j.xgen.2022.100140>
22. Oosterhoff, B., Wray-Lake, L., & Harden, K. P. (2022). Adolescents provide more complex reasons for lowering the voting age than do adults: Evidence from national convenience samples. *Developmental Psychology*, 58(8), 1574–1584. <https://doi.org/10.1037/dev0001366>
23. Madole, J. W., & Harden, K. P. (2022). Building causal knowledge in behavior genetics. *Behavioral and Brain Sciences*, 46. <https://doi.org/10.1017/s0140525x22000681>
24. Youn, C., Grotzinger, A. D., Lill, C. M., Bertram, L., Schmiedek, F., Lövdén, M., Lindenberger, U., Nivard, M., Harden, K. P., & Tucker-Drob, E. M. (2022). Genetic associations with learning over 100 days of practice. *Npj Science of Learning*, 7(1). <https://doi.org/10.1038/s41539-022-00121-2>
25. Howe, L. J., Nivard, M. G., Morris, T. T., Hansen, A. F., Rasheed, H., Cho, Y., Chittoor, G., Ahlskog, R., Lind, P. A., Palviainen, T., Zee, M. D. van der, Cheesman, R., Mangino, M., Wang, Y., Li, S., Klaric, L., Ratliff, S. M., Bielak, L. F., Nygaard, M., ... Davies, N. M. (2022). Within-sibship genome-wide association analyses decrease bias in estimates of direct genetic effects. *Nature Genetics*, 54(5), 581–592. <https://doi.org/10.1038/s41588-022-01062-7>
26. Jami, E. S., Hammerschlag, A. R., Ip, H. F., Allegrini, A. G., Benyamin, B., Border, R., Diemer, E. W., Jiang, C., Karhunen, V., Lu, Y., Lu, Q., Mallard, T. T., Mishra, P. P., Nolte, I. M., Palviainen, T., Peterson, R. E., Sallis, H. M., Shabalin, A. A., Tate, A. E., ... Middeldorp, C. M. (2022). Genome-wide association meta-analysis of childhood and adolescent internalizing symptoms. *Journal of the American Academy of Child & Adolescent Psychiatry*, 61(7), 934–945. <https://doi.org/10.1016/j.jaac.2021.11.035>
27. Hyatt, C. S., Listyg, B. S., Owens, Max. M., Carter, N. T., Carter, D. R., Lynam, D. R., Harden, K. P., & Miller, J. D. (2022). Structural brain differences do not mediate the relations between sex and personality or psychopathology. *Journal of Personality*, 90(6), 902–915. <https://doi.org/10.1111/jopy.12704>
28. Karlsson Linnér, R., Mallard, T. T., Barr, P. B., Sanchez-Roige, S., Madole, J. W., Driver, M. N., Poore, H. E., Vlaming, R. de, Grotzinger, A. D., Tielbeek, J. J., Johnson, E. C., Liu, M., Rosenthal, S. B., Ideker, T., Zhou, H., Kember, R. L., Pasman, J. A., Verweij, K. J. H., Liu, D. J., ... Dick, D. M. (2021). Multivariate analysis of 1.5 million people identifies genetic associations with traits related to self-regulation and addiction. *Nature Neuroscience*, 24(10), 1367–1376. <https://doi.org/10.1038/s41593-021-00908-3>

29. Sabhlok, A., Malanchini, M., Engelhardt, L. E., Madole, J., Tucker-Drob, E. M., & Harden, K. P. (2021). The relationship between executive function, processing speed, and attention-deficit hyperactivity disorder in middle childhood. *Developmental Science*, 25(2). <https://doi.org/10.1111/desc.13168>
30. Atherton, O. E., Chung, J. M., Harris, K., Rohrer, J. M., Condon, D. M., Cheung, F., Vazire, S., Lucas, R. E., Donnellan, M. B., Mroczek, D. K., Soto, C. J., Antonoplis, S., Damian, R. I., Funder, D. C., Srivastava, S., Fraley, R. C., Jach, H., Roberts, B. W., Smillie, L. D., ... Corker, K. S. (2021). Why has personality psychology played an outsized role in the credibility revolution? *Personality Science*, 2. <https://doi.org/10.5964/ps.6001>
31. Becker, J., Burik, C. A. P., Goldman, G., Wang, N., Jayashankar, H., Bennett, M., Belsky, D. W., Karlsson Linnér, R., Ahlskog, R., Kleinman, A., Hinds, D. A., Agee, M., Alipanahi, B., Auton, A., Bell, R. K., Bryc, K., Elson, S. L., Fontanillas, P., Furlotte, N. A., ... Okbay, A. (2021). Resource profile and user guide of the polygenic index repository. *Nature Human Behaviour*, 5(12), 1744–1758. <https://doi.org/10.1038/s41562-021-01119-3>
32. Mallard, T. T., Savage, J. E., Johnson, E. C., Huang, Y., Edwards, A. C., Hottenga, J. J., Grotzinger, A. D., Gustavson, D. E., Jennings, M. V., Anokhin, A., Dick, D. M., Edenberg, H. J., Kramer, J. R., Lai, D., Meyers, J. L., Pandey, A. K., Harden, K. P., Nivard, M. G., Geus, E. J. C. de, ... Sanchez-Roige, S. (2022). Item-level genome-wide association study of the alcohol use disorders identification test in three population-based cohorts. *American Journal of Psychiatry*, 179(1), 58–70. <https://doi.org/10.1176/appi.ajp.2020.20091390>
33. Raffington, L., Belsky, D. W., Kothari, M., Malanchini, M., Tucker-Drob, E. M., & Harden, K. P. (2021). Socioeconomic disadvantage and the pace of biological aging in children. *Pediatrics*, 147(6). <https://doi.org/10.1542/peds.2020-024406>
34. Van den Akker, A. L., Briley, D. A., Grotzinger, A. D., Tackett, J. L., Tucker-Drob, E. M., & Harden, K. P. (2021). Adolescent big five personality and pubertal development: Pubertal hormone concentrations and self-reported pubertal status. *Developmental Psychology*, 57(1), 60–72. <https://doi.org/10.1037/dev0001135>
35. Demange, P. A., Malanchini, M., Mallard, T. T., Biroli, P., Cox, S. R., Grotzinger, A. D., Tucker-Drob, E. M., Abdellaoui, A., Arseneault, L., Bergen, E. van, Boomsma, D. I., Caspi, A., Corcoran, D. L., Domingue, B. W., Harris, K. M., Ip, H. F., Mitchell, C., Moffitt, T. E., Poulton, R., ... Nivard, M. G. (2021). Investigating the genetic architecture of noncognitive skills using GWAS-by-subtraction. *Nature Genetics*, 53(1), 35–44. <https://doi.org/10.1038/s41588-020-00754-2>

PREPRINTS

1. Kweon, H., Burik, C. A. P., Ning, Y., Ahlskog, R., Xia, C., Abner, E., Bao, Y., Bhatta, L., Faquih, T. O., Feijter, M. de, Fisher, P., Gelemanović, A., Giannelis, A., Hottenga, J.-J., Khalili, B., Lee, Y., Li-Gao, R., Masso, J., Myhre, R., ... Koellinger, P. D. (2024). *Associations between common genetic variants and income provide insights about the socioeconomic health gradient*. <https://doi.org/10.1101/2024.01.09.574865>
2. Williams, C. M., Weissman, D. G., Mallard, T., McLaughlin, K. A., & Harden, K. P. (2023). *Genetic associations with brain structure are not correlated with individual and state-level economic differences*. <https://doi.org/10.31234/osf.io/85frw>
3. deSteiguer, A. J., Raffington, L., Sabhlok, A., Tanksley, P., Tucker-Drob, E. M., & Harden, K. P. (2023). *Stability of DNA-methylation profiles of biological aging in children and adolescents*. <https://doi.org/10.1101/2023.10.30.564766>
4. Sbarra, D., Trejo, S., Harden, K. P., Oliver, J. C., & Klimentidis, Y. (2023). *Genotypic and socioeconomic risks for depressive symptoms in two u.s. Cohorts spanning early to older adulthood*. <https://doi.org/10.31234/osf.io/g5vk4>
5. Willems, Y. E., deSteiguer, A., Tanksley, P. T., Vinnik, L., Främke, D., Okbay, A., Richter, D., Wagner, G. G., Hertwig, R., Koellinger, P., Tucker-Drob, E. M., Harden, K. P., & Raffington, L. (2023). *Self-control is associated with health-relevant disparities in buccal DNA-methylation measures of biological aging in older adults*. <https://doi.org/10.1101/2023.08.30.23294816>
6. Tanksley, P. T., Brislin, S. J., Wertz, J., Vlaming, R. de, Courchesne-Krak, N. S., Mallard, T. T., Raffington, L. L., Linnér, R. K., Koellinger, P., Palmer, A., Sanchez-Roige, A., Waldman, I., Dick, D., Moffitt, T. E., Caspi, A., & Harden, K. P. (2023). *Do polygenic indices capture “direct” effects on child externalizing behavior? Within-family analyses in two longitudinal birth cohorts*. <https://doi.org/10.1101/2023.05.31.23290802>
7. Malanchini, M., Allegrini, A. G., Nivard, M. G., Biroli, P., Rimfeld, K., Cheesman, R., Stumm, S. von, Demange, P. A., Bergen, E. van, Grotzinger, A. D., Raffington, L., Fuente, J. D. la, Pingault, J.-B., Harden, K. P., Tucker-Drob, E. M., & Plomin, R. (2023). *Genetic contributions of noncognitive skills to academic development*. <https://doi.org/10.1101/2023.04.03.535380>
8. Nivard, M. G., Belsky, D., Harden, K. P., Baier, T., Andreassen, O. A., Ystrom, E., Bergen, E. van, & Lyngstad, T. H. (2022). *Neither nature nor nurture: Using extended pedigree data to understand indirect genetic effects on offspring educational outcomes*. <https://doi.org/10.31234/osf.io/bhpm5>

BOOKS

1. Harden, K. P. (2021). *The genetic lottery*. Princeton.

BOOK CHAPTERS

Professional Presentations

On the Gordian knot of nature, nurture, and culture: Insights from the study of externalizing disorders

INSTITUTE FOR BEHAVIORAL GENETICS, BOULDER, CO

2023

On the Gordian knot of nature, nurture, and culture: Insights from the study of externalizing disorders

EUROPEAN SOCIAL SCIENCE GENETICS NETWORK CONFERENCE, BOLOGNA, ITALY

2023

The promise and peril of using results from genome-wide association studies for personalized medicine

MD ANDERSON HOSPITAL, HOUSTON, TX

2023

The genetic lottery

FURMAN UNIVERSITY, GREENVILLE, SC

2022

The genetic lottery

MORALS AND MACHINES CONFERENCE, DUSSELDORF, GERMANY (VIRTUAL)

2022

The genetic lottery

UNIVERSITY OF NEW SOUTH WALES, SYDNEY, AUSTRALIA (VIRTUAL)

2022

The genetic lottery

GOLDLAB SYMPOSIUM (VIRTUAL)

2022

The genetic lottery

COPENHAGEN, DENMARK

2022

The genetic lottery

OXFORD, UK

2022

Genome-wide association studies

DELL MEDICAL SCHOOL, UNIVERSITY OF TEXAS AT AUSTIN

2022

The genetic lottery

SXSW CONFERENCE, AUSTIN, TEXAS

2022

Genetic research on education

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

2022

Does DNA matter for social equality?

CHILDREN AND YOUNG PEOPLE'S MENTAL HEALTH CATALYST SEMINAR, UNIVERSITY COLLEGE LONDON (VIRTUAL)

2022

Genetic influences on child cognitive development

KAROLINSKA INSTITUTE, STOCKHOLM, SWEDEN (VIRTUAL)

2022

The genetic lottery

DENISON COLLEGE CENTER FOR INTELLECTUAL ENGAGEMENT (VIRTUAL)

2022

The genetic lottery and its implications for social equality

EUROPEAN COMMISSION (VIRTUAL)

2021

Genetic research on externalizing disorders

BAYLOR COLLEGE OF MEDICINE, MENNINGER DEPARTMENT OF PSYCHIATRY AND BEHAVIORAL SCIENCES (VIRTUAL)

2021

The genetic lottery and its ethical implications

PRINCETON UNIVERSITY, PRINCETON, NJ

2021

The genetic lottery

ROYAL INSTITUTION, LONDON, UK (VIRTUAL)

2021

The genetic lottery

UNIVERSITY OF OSLO, NORWAY (VIRTUAL)

2021

Equality of What? Genetic Research and Egalitarian Policy Goals

GENES, SOCIAL MOBILITY AND INEQUALITIES ACROSS THE LIFE COURSE CONFERENCE, IFO INSTITUTE, MUNICH, GERMANY (VIRTUAL)

2021

The Genetic Lottery: Toward an Anti-Eugenics Framework for Understanding Genetic Differences and their Relationship to Social Inequality

INTERNATIONAL MIND, BRAIN, AND EDUCATION SOCIETY ANNUAL MEETING (VIRTUAL)

2021

Making sense of genetic research on social inequality

DEPARTMENT OF HUMAN GENETICS, UNIVERSITY OF CHICAGO, CHICAGO, IL (VIRTUAL)

2021

The genetic lottery: How the science of human individual differences can be used for social equality

COLUMBIA POPULATION RESEARCH CENTER, COLUMBIA UNIVERSITY, NEW YORK, NY (VIRTUAL)

2021

The genetic lottery: Toward an anti-eugenic framework for genetic research on social inequality

DEPARTMENT OF PSYCHOLOGY, ARIZONA STATE UNIVERSITY (VIRTUAL)

2021

Conference Abstracts

Honors

Funding

Using the Genetic Architecture of Substance Use Disorders to Advance Gene Identification and Understanding of Pathways of Risk

FUNDING: \$2,481,917

National Institute on Drug Abuse,
R01DA050721
2020 - 2025

Environmental, Genetic, and Epigenetic Mechanisms for Hormonal Change

FUNDING: \$665,688

National Institute of Child Health
and Human Development,
R01HD092548
2019 - 2024

Service

Mentoring and Teaching

MENTORING

TEACHING