

ACADEMIC APPOINTMENTS

2022- Present

Purdue University

- Assistant Professor of Sociology
- Assistant Professor by Courtesy, Statistics
- Faculty Associate, Center on Aging and the Life Course
- Core Faculty Associate, Integrated Genomics Research Center
- Faculty Affiliate, Purdue Institute for Integrative Neuroscience
- Faculty Member, Purdue University Interdisciplinary Life Science Program (PULSe) Computational and Systems Biology Training Group

Indiana University School of Medicine

- Adjunct Assistant Professor of Medical and Molecular Genetics

AnalytiXIN

- Research Fellow

Broad Institute of MIT and Harvard

- Visiting Scientist

2018-2022

Postdoctoral Research Fellow

- Broad Institute of MIT and Harvard
- Department of Sociology, Harvard University
- Department of Epidemiology, Harvard T.H. Chan School of Public Health
- Analytic and Translational Genetics Unit, Massachusetts General Hospital

EDUCATION

2018 *Doctor of Philosophy, Sociology & Computational Genetics*
University of Colorado Boulder

Graduate certificates: (1) statistical and behavioral genetics;
(2) demography; (3) quantitative and data science methods
for behavioral sciences

2011 *Bachelor of Science*, Biochemistry and Molecular Biology
Bachelor of Arts, Sociology
University of Notre Dame, *summa cum laude*

PUBLICATIONS

Authorship for many of my publications involves conventions that are common in medical or life science research but less familiar in social science, as denoted in the table below. For a closer look at widely accepted guidelines for these conventions, please have a look at the references linked [here](#) and [here](#).

+	denotes equal contribution (i.e., joint first authors)
*	denotes senior author role
†	denotes corresponding author
‡	denotes work with collaborators who were students when the project was conducted (and after I started at Purdue)
...	used for author lists of more than 15 authors

Peer Reviewed

- 1) Thompson, Katherine N., Baptiste Couvy-Duchesne, Hong Lee, Rafael Geurgas, Yeongmi Jeong, Saranya Arirangan, Saul Newman, Felix Tropf*, and **Robbee Wedow***. 2026. "Illuminating the Complex Interplay of Risk Factors for Depression within a Large-Scale US Longitudinal Cohort." *Social Psychiatry and Psychiatric Epidemiology*. DOI: [10.1007/s00127-026-03098-0](https://doi.org/10.1007/s00127-026-03098-0).
- 2) Malerbi, Kathryn Fiuza‡, Andrew Brubaker, Monica Weindling, Katherine N. Thompson, Christine Miriam Habib‡, Yeongmi Jeong, Brian M. Donovan, and **Robbee Wedow***†. 2026. "Developing and Teaching Curriculum to Reduce Genetic Essentialism in University Classrooms." *Behavior Genetics*. DOI: [10.1007/s10519-026-10251-7](https://doi.org/10.1007/s10519-026-10251-7).
 - Our [curriculum materials made available for public consumption](#)
 - Our [curriculum materials published via Purdue e-Pubs](#) with citable DOIs
- 3) Arirangan, Saranya, Leticia F. de Oliveira, Md Nazmul Hasan‡, Autumn B. Sherman‡, Mitchell Tuinstra, Luiz F. Brito, **Robbee Wedow**, and Matthew Tegtmeier. 2026. "Sharing Approaches in Predictive Genomics across Animals, Plants, and Humans." *Nature Genetics*. DOI: [10.1038/s41588-025-02491-w](https://doi.org/10.1038/s41588-025-02491-w).

- 4) **Wedow, Robbee**^{††}, Yeongmi Jeong⁺, Monica Weindling, Andrew Brubaker, Jaime Amemiya, Stanley Lo, and Brian M. Donovan[†]. 2026. “How and for Whom can Genetics Education Reduce Beliefs in Genetic Essentialism?.” *Human Genetics and Genomics Advances*. DOI: [10.1016/j.xhgg.2025.100548](https://doi.org/10.1016/j.xhgg.2025.100548).
➤ [2026 Education Award. American Society of Human Genetics](#)
- 5) Geurgas, Rafael, Saul J. Newman, Evelina T. Akimova, Katherine N. Thompson*, and **Robbee Wedow***. 2025. “What Machine Learning Teaches Us about Depression Prediction across the Life Course: An Exploratory Comparison of Predictive Models.” *Social Science and Medicine – Population Health*. DOI: [10.1016/j.ssmph.2025.101886](https://doi.org/10.1016/j.ssmph.2025.101886).
- 6) Leticia F. de Oliveira, Jenelle Dunkelberger, Claudia A. Sevillano, Saranya Arirangan, **Robbee Wedow**, Matthew Tegtmeier, Mitchell Tuinstra, and Luiz F. Brito. 2025. “Genetics of Reproductive Performance across Porcine Reproductive and Respiratory Syndrome (PRRS) Outbreak Phases in Purebred and Crossbred Sows.” *Genetics Selection Evolution*. DOI: [10.1186/s12711-025-01011-y](https://doi.org/10.1186/s12711-025-01011-y).
- 7) Zacher, Meghan and **Robbee Wedow**[†]. 2025. “Lessons in Adjusting for Genetic Confounding in Population Research on Education and Health.” *Social Science and Medicine – Population Health*. DOI: [10.1016/j.ssmph.2025.101834](https://doi.org/10.1016/j.ssmph.2025.101834).
- 8) Christa Ventresca[‡], Daphne Martschenko, **Robbee Wedow**, Mete Civelek, James Tabery, Jedidiah Carlson, Stephen CJ Parker, Paula S Ramos. 2024. “The Methodological and Ethical Concerns of Genetic Studies of Same-Sex Sexual Behavior.” *The American Journal of Human Genetics*. DOI: [10.1016/j.ajhg.2024.08.007](https://doi.org/10.1016/j.ajhg.2024.08.007).
- 9) Carey, Caitlin, Rebecca Shafee, **Robbee Wedow**, Amanda Elliot, Duncan S. Palmer, ..., Benjamin Neale, Raymond Walters, and Elise Robinson. 2024. “Principled Distillation of UK Biobank Phenotype Data Reveals Underlying Structure in Human Variation.” *Nature Human Behavior*. DOI: <https://doi.org/10.1038/s41562-024-01909-5>.
- 10) Lippert, Adam M., Daniel J. Corsi, Rockli Kim, **Robbee Wedow**, Jinho Kim, Beza Taddess[‡], and S. V. Subramanian. 2024. “Polygenic and Socioeconomic Contributions to Nicotine Use and Cardiometabolic Health in Early Mid-Life.” *Nicotine & Tobacco Research*. DOI: <https://doi.org/10.1093/ntr/ntae146>.
- 11) Mignogna, Gianmarco⁺, Caitlin Carey⁺, **Robbee Wedow**^{††}, Nikolas Baya, Mattia Cordioli, Nicola Pirastu, Rino Bellocco, Kathryn Fiuza Malerbi[‡], Michel Nivard, Benjamin Neale, Raymond Walters, and Andrea Ganna[†]. 2023. “Patterns of Item Nonresponse Behavior to Survey Questionnaires are

Systematic and Associated with Genetic Loci.” *Nature Human Behavior*. 7(8), 1371-1387. DOI: [10.1038/s41562-023-01632-7](https://doi.org/10.1038/s41562-023-01632-7).

- My 2023 [The Conversation piece](#) on understanding consent in biobank-scale data
- Our 2023 [Research Briefing](#) on this piece

12) Atteberry, Allison⁺, **Robbee Wedow**⁺, Nathan J. Cook, and Andrew McEachin. 2022. “A Replication of a Quasi-Experimental Approach to Estimating Middle School Structural Transition Effects on Student Learning Trajectories.” *Educational Policy*. 36(7), 1612-1651. DOI: [10.1177/0895904820987797](https://doi.org/10.1177/0895904820987797).

13) Kim, Rockli, Adam M. Lippert, **Robbee Wedow**, Marcia P. Jimenez, and S. V. Subramanian. 2020. “The Relative Contributions of Socioeconomic and Genetic Factors to Variations in Body Mass Index Among Young Adults.” *American Journal of Epidemiology*. 189(11), 1333-1341. DOI: [10.1093/aje/kwaa058](https://doi.org/10.1093/aje/kwaa058).

14) Ganna, Andrea, Karin J. H. Verweij, Michel G. Nivard, Robert Maier, **Robbee Wedow**, ..., John R. B. Perry, Benjamin M. Neale, and Brendan P. Zietsch. 2019. “Large-Scale GWAS Reveals Insights into the Genetic Architecture of Same-Sex Sexual Behavior.” *Science*. 365(6456), eaat7693. DOI: [10.1126/science.aat7693](https://doi.org/10.1126/science.aat7693).

- Covered in the [New York Times](#)
- Our 2019 [New York Times op-ed](#) about what genetics is teaching us about sexuality
- Our [Published Response](#)
- Our other [Published Response](#)

15) Liu, Mengzhen⁺, Yu Jiang⁺, **Robbee Wedow**⁺, Yue Li⁺, David M. Brazel, ..., Goncalo Abecasis, Dajiang Liu, and Scott Vrieze. 2019. “Association Studies of up to 1.2 Million Individuals Yield New Insights into the Genetic Etiology of Tobacco and Alcohol Use.” *Nature Genetics*. 51(2), 237-244. DOI: [10.1038/s41588-018-0307-5](https://doi.org/10.1038/s41588-018-0307-5).

16) Karlsson Linnér, Richard⁺, Pietro Biroli⁺, Edward Kong⁺, S. Fleur W. Meddens⁺, **Robbee Wedow**⁺, ..., Daniel J. Benjamin, Philipp D. Koellinger, and Jonathan P. Beauchamp. 2019. “Genome-Wide Association Analyses of Risk Tolerance and Risky Behaviors in over 1 Million Individuals Identify Hundreds of Loci and Shared Genetic Influences.” *Nature Genetics*. 51(2), 245-257. DOI: [10.1038/s41588-018-0309-3](https://doi.org/10.1038/s41588-018-0309-3).

17) **Wedow, Robbee**⁺, Meghan Zacher, Brooke M. Huibregtse, Kathleen Mullan Harris, Benjamin W. Domingue, and Jason D. Boardman. 2018. “Education, Smoking, and Cohort Change: Forwarding a Multidimensional Theory of the Environmental Moderation of Genetic Effects.” *American Sociological Review*. 83(4), 802-832. DOI: [10.1177/0003122418785368](https://doi.org/10.1177/0003122418785368).

- [2019 National Institutes of Health Matilda White Riley Behavioral and Social Sciences Honors Early-Stage Investigator Paper Competition Award.](#)
 - [2018 Student Paper Award. Evolution, Biology, and Society Section, American Sociological Association](#)
- 18) Belsky, Daniel W., Benjamin W. Domingue, **Robbee Wedow**, Louise Arseneault, Jason D. Boardman, Avshalom Caspi, Dalton Conley, Jason M. Fletcher, Jeremy Freese, Pamela Herd, Terrie E. Moffitt, Richie Poulton, Kamil Sicinski, Jasmin Wertz, and Kathleen Mullan Harris. 2018. "Genetic Analysis of Social-Class Mobility in Five Longitudinal Studies." *Proceedings of the National Academy of Sciences*. 115(31), E7275-E7284. DOI: [10.1073/pnas.1801238115](https://doi.org/10.1073/pnas.1801238115).
 - 19) Lee, James J.⁺, **Robbee Wedow**⁺, Aysu Okbay⁺, Edward Kong, Omeed Maghzian, ..., Peter M. Visscher, Daniel J. Benjamin, and David Cesarini. 2018. "Gene Discovery and Polygenic Prediction from a Genome-Wide Association Study of Educational Attainment in 1.1 Million Individuals." *Nature Genetics*. 50(8), 1112-1121. DOI: [10.1038/s41588-018-0147-3](https://doi.org/10.1038/s41588-018-0147-3).
 - Covered in the [New York Times](#) and [The Atlantic](#)
 - Our 2022 [Scientific American op-ed](#) about the misuse of this study in the Buffalo, NY supermarket shooting
 - 20) Turley, Patrick, Raymond K. Walters, Omeed Maghzian, Aysu Okbay, James J. Lee, ..., **Robbee Wedow**, ..., David Cesarini, Benjamin M. Neale, and Daniel J. Benjamin. 2018. "Multi-Trait Analysis of Genome-Wide Association Summary Statistics Using MTAG." *Nature Genetics*. 50(2), 229-237. DOI: [10.1038/s41588-017-0009-4](https://doi.org/10.1038/s41588-017-0009-4).
 - 21) **Wedow, Robbee**[†], Ryan K. Masters, Stefanie Mollborn, Landon Schnabel, and Jason D. Boardman. 2018. "Body Size Reference Norms and Subjective Weight Status: A Gender and Life Course Approach." *Social Forces*. 96(3), 1377-1409. DOI: [10.1093/sf/sox073](https://doi.org/10.1093/sf/sox073).
 - 22) **Wedow, Robbee**[†], Landon Schnabel, Lindsey K. D. Wedow, and Mary Ellen Konieczny. 2017. "I'm Gay and I'm Catholic': Negotiating Two Complex Identities at a Catholic University." *Sociology of Religion: A Quarterly Review*. 78(3), 289-317. DOI: [10.1093/socrel/srx028](https://doi.org/10.1093/socrel/srx028).
 - 23) **Wedow, Robbee**[†], Daniel A. Briley, Susan E. Short, and Jason D. Boardman. 2016. "Gender and Genetic Contributions to Weight Identity among Adolescents and Young Adults in the U.S." *Social Science and Medicine*. 165, 99-107. DOI: [10.1016/j.socscimed.2016.07.044](https://doi.org/10.1016/j.socscimed.2016.07.044).
 - 24) Domingue, Benjamin W., **Robbee Wedow**, Dalton Conley, Matt McQueen, Thomas J. Hoffmann, and Jason D. Boardman. 2016. "Genome-Wide

Estimates of Heritability for Social Demographic Outcomes.” *Biodemography and Social Biology*, 62(1), 1-18. DOI: [10.1080/19485565.2015.1068106](https://doi.org/10.1080/19485565.2015.1068106).

- 25) Herzog, Patricia Snell and **Robert Wedow**. 2012. “Youth Group Cliques: How Religious Goals Can Disguise Discriminatory Group Dynamics.” *Review of Religious Research*. 54, 217-238. DOI: [10.1007/s13644-012-0050-9](https://doi.org/10.1007/s13644-012-0050-9).

Non-Peer Reviewed

- 1) **Wedow, Robbee**. Blackwell Encyclopedia of Health, Illness, Behavior, and Society, 2nd edition. 2025. Editor of chapter on “Gene-Environment Interplay” and editor of entries “Genome-Environment Correlation,” “Gene-Environment Interaction,” “Genome-Wide Association Study (GWAS),” “Heritability,” and “Polygenic Scores (PGSs)/Polygenic Indices (PGIs).”
- 2) **Wedow, Robbee**, Daniel A. Briley, Susan E. Short, and Jason Boardman. 2018. “Weight Identity Among Older Adults in the United States: Genetic and Environmental Influences.” in *The Oxford Handbook of Integrative Health Science*.

Minor Contributions

- 1) Johnson, Emma, Ditte Deomontis, Thorgeir E. Thorgeirsson, Raymond K. Walters, Renato Polimanti, ..., **Robbee Wedow**, ..., Kari Steffanson, Anders D. Borglum, and Arpana Agrawal. 2020. “A large-scale genome-wide association study meta-analysis of cannabis use disorder.” *The Lancet Psychiatry*. 7(12), 1032-1045. DOI: [10.1016/S2215-0366\(20\)30339-4](https://doi.org/10.1016/S2215-0366(20)30339-4).
- 2) Walters, Raymond, Renato Polimanti, Emma C. Johnson, Jeanette N. McClintick, Mark J. Adams, ..., **Robbee Wedow**, ..., Joel Gelernter, Howard J. Edenberg, and Arpana Agrawal. 2018. “Transancestral GWAS of alcohol dependence reveals common genetic underpinnings with psychiatric disorders.” *Nature neuroscience*, 21(12), 1656-1669. DOI: [10.1038/s41593-018-0275-1](https://doi.org/10.1038/s41593-018-0275-1).

EDITORIALS, PERSPECTIVES, BRIEFINGS, AND PUBLISHED RESPONSES

Peer Reviewed

- 1) **Wedow, Robbee**⁺, Katherine N. Thompson⁺, Sarah M. Medland⁺, Michel G. Nivard⁺, and Benjamin M. Neale⁺. “The Need to Consider Complexity in the Future of Behavioral Genetics.” *Nature Genetics*.
<https://doi.org/10.1038/s41588-026-02668-x>.

Non-Peer Reviewed

- 1) **Wedow, Robbee**. 2025. “Exploring Educational Field Sorting Using Genetics.” Under consideration at *Nature Genetics*. DOI Link here: <https://doi.org/10.1038/s41588-025-02427-4>.
- 2) **Wedow, Robbee**. 2023. “Researchers Can Learn a Lot with Your Genetic Information, Even When You Skip Survey Questions – Yesterday’s Mode of Informed Consent Doesn’t Quite Fit Today’s Biobank Studies.” *The Conversation*. DOI Link here: <https://doi.org/10.64628/AAI.ywpr4nudv>.
- 3) **Wedow, Robbee** and Kathryn Fiuza Malerbi[‡]. 2023. “Creative Use of Biobank Data Enables Exploration of Longstanding Questions about Bias.” *Nature Human Behaviour*. DOI Link here: <https://doi.org/10.1038/s41562-023-01633-6>.
- 4) **Wedow, Robbee**, Daphne O. Martschenko, and Sam Trejo. 2022. “Scientists Must Consider the Risk of Racist Misappropriation of Research.” *Scientific American*. Link Here: <https://www.scientificamerican.com/article/scientists-must-consider-the-risk-of-racist-misappropriation-of-research/>.
- 5) Ganna, Andrea, Karin J. H. Verweij, Michel G. Nivard, Robert Maier, **Robbee Wedow**, ..., John R. B. Perry, Benjamin M. Neale, and Brendan P. Zietsch. 2021. “Response to Comment on ‘Large-Scale GWAS Reveals Insights into the Genetic Architecture of Same-Sex Sexual Behavior.’” *Science* 371(6536). DOI Link here: <https://doi.org/10.1126/science.aba5693>.
- 6) Ganna, Andrea, Karin J. H. Verweij, Michel G. Nivard, Robert Maier, **Robbee Wedow**, ..., John R. B. Perry, Benjamin M. Neale, and Brendan P. Zietsch. 2019. “Genome Studies Must Account for History-Response.” *Science* 366(6472). DOI Link here: <https://doi.org/10.1126/science.aaz8941>.
- 7) Phelps, Steven M. and **Robbee Wedow**. 2019. “What Genetics Is Teaching Us about Sexuality.” *The New York Times*. Link here: <https://www.nytimes.com/2019/08/29/opinion/genetics-sexual-orientation-study.html>.

EXTERNAL GRANTS/FELLOWSHIPS [SUBMITTED OR AWARDED]

- 2021 National Science Foundation DRK-12 Grant with Brian Donovan (co-PI) and Ravit Duncan (2308600)
Collaborative Research: Reducing Racial Prejudice by Fostering an Ontologically and Epistemologically Complex Understanding of Human Genetics Research
 \$365,419 to PI Wedow (Purdue University), \$2,529,670 to PI Donovan (University of Colorado Boulder), and \$645,050 to PI Duncan (Rutgers University)

- 2020 National Institutes of Health National Institute on Aging Health Disparities Loan Repayment Grant (1L60AG069317-01)
Sociodemographic Stratification and Health Disparities in Genetics of Aging Research
Awarded, \$56,455.31 over 2 years
- 2013 National Science Foundation Graduate Research Fellowship Program (DGE 1144083)
Evaluating Doctrine Disparity: How Christian Teachings and Personal Beliefs Differ on Issues of Homosexuality
Awarded, \$138,000 over 5 years

INTERNAL GRANTS/FELLOWSHIPS

- 2023 Purdue University Health & Life Sciences Faculty Summit Grant
Robbee Wedow (PI), Matthew Tegtmeier (co-I), Mitch Tuinstra (co-I), and Luiz Brito (co-I)
Using across-phyla methods to increase genomic prediction accuracy to improve health and food security
\$500,000 over 3 years

HONORS AND AWARDS

- 2026 [Education Award, American Society of Human Genetics](#)

[Selected for Lilly Scholars Network \(LSN\) Leadership Academy 2026 Class](#)

[Selected for the National Institutes of Health Office of Behavioral and Social Sciences Research Norman B. Anderson Memorial Lecture](#)
- 2025 [Antonia Syson Cornerstone Teaching Award](#)
- 2023 [Faculty Fellow for Purdue AnalytiXIN initiative/the Central Indiana Corporate Partnership](#)
- 2019 [National Institutes of Health Matilda White Riley Behavioral and Social Sciences Honors Early-Stage Investigator Paper Competition Award](#)
- 2018 [Student Paper Award. Evolution, Biology, and Society Section, American Sociological Association](#)

Institute of Behavioral Science 2018 Service and Mentoring Award

TALKS

Invited Talks

2026

- [Genetic Curriculum to Refute Genetic Essentialism. American Society of Human Genetics *Human Genetics and Genomics* Journal Club.](#)
- [Developing a Scientifically Accurate Genetics Curriculum in High School and College Classrooms. National Institutes of Health Office of Behavioral and Social Science Research Director's Webinar/Norman B. Anderson Memorial Lecture.](#)
- Scientifically Accurate & Ethically Responsible Science Communication: How Can We Work Together to Prevent Misuse of Our Science? Psychiatric Genetics Consortium Outreach Committee Webinar.

2025

- Genes and Algorithms: The Rise of Computational and Statistical Genomics. Purdue's Rosen Center for Advanced Computing 2025 Cyberinfrastructure Symposium.

2024

- Purdue's bold new vision for computational genomics and One Health. Meeting of Purdue's presidential cabinet and the Eli Lilly & Co. executive leadership team – Eli Lilly & Co. Corporate Headquarters, Indianapolis, IN
- Building better biobanks. Presented as part of the 2nd International Symposium on Genomic and Translational Medicine (ISGTM2024), Xi'An, China.
- Strategies and approaches for building genomics research capacity. Illumina User Group Meeting – Indiana Academic Network, Indianapolis, IN.

2023

- Sociogenomic insights into the human phenome. Institute for Genomic Biology seminar series, University of Illinois, Urbana-Champaign, IL.

2022

- Intro to sociogenomics & insights into the human phenome from a biobank-scale factor analysis. Purdue University Department of Statistics seminar series, West Lafayette, IN.
- Insights into the human phenome from a biobank-scale factor analysis. Indiana University School of Medicine Medical and Molecular Genetics CME Seminar series, Indianapolis, IN.
- Introduction to sociogenomics. Purdue University College of Liberal Arts, West Lafayette, IN.

- Large-scale health data for sociology: A big data approach to fundamental causes and gene-environment interactions. Purdue University Department of Sociology, West Lafayette, IN.

2021

- Sociogenomics. Sohini Ramachandran invited lab speaker, Brown University, Providence, RI.
- A history of eugenics. Broad Institute of MIT and Harvard Program on Medical and Population Genetics (MPG) Primer Series, Cambridge, MA.

2020

- The complex genetics of human behaviors. Advancement of Neuroscience Brain Awareness Week keynote speaker. University of Tennessee, Knoxville, TN.
- The complex genetics of human social and behavioral outcomes. Nicholas Christakis Human Nature lab invited lab speaker, Yale University, New Haven, CT.
- The genetics of same-sex sexual behavior. Felix Troup invited lab speaker, Social Science Genetics Paris, ENSAE/CREST, Paris, France.

2019

- The genetics of social science outcomes. Friday Luncheon Seminar Series, Harvard Center for Population and Development Studies, Cambridge, MA.
- The ethical implications of sexuality GWAS studies. Bioethics@Broad bioethics working group, Broad Institute of MIT and Harvard, Cambridge, MA
- How large-scale genetic data is helping us understand health, human behaviors, and our social world. Departmental Colloquium, University of Cincinnati Department of Sociology, Cincinnati, OH
- The genetics of complex human behaviors: How (large-scale) genetic data can help us understand our social world. Division of Social Science, New York University Abu Dhabi, Abu Dhabi, United Arab Emirates.
- The new genetics of sexual orientation: How large-scale genetic data can help us understand our social world. Social Demography Seminar, Harvard Center for Population and Development Studies, Cambridge, MA.
- Education, smoking, and cohort change: Forwarding a multidimensional theory of the environmental moderation of genetic effects. Presented as the recipient of a 2019 National Institutes of Health Matilda White Riley Behavioral and Social Sciences Honors Early-Stage Investigator Paper Competition Award, NIH Matilda White Riley Behavioral and Social Sciences Honors Ceremony, NIH Campus, Bethesda, MD.
- The new genetics of sexual orientation: How large-scale genetic data can help us understand our social world. Demography Colloquium, Brown Population Studies and Training Center, Providence, RI.

- The genetics of complex human behaviors: How large-scale genetic data can help us understand our social world. The Maternal and Child Health Center of Excellence (MCH) Seminar, Harvard T.H. Chan School of Public Health, Cambridge, MA.
- The genetics of sexual orientation and substance use: How large-scale genetic data can help us understand health, human behaviors, and our social world. University sponsored lecture, Novo Nordisk Foundation Center for Basic Metabolic Research, University of Copenhagen, Copenhagen, Denmark.

2018

- Insights from current, large-scale genome-wide association studies. The Stanley Center for Psychiatric Research at the Broad Institute of MIT and Harvard, Cambridge, MA.
- Current, large-scale studies in sociogenomics. Sociology Department, University of Oxford, UK.

2014

- Doing interdisciplinary research: The graduate student perspective. Presented as part of a 3-series panel on doing interdisciplinary research at the CU Institute of Behavioral Science.

Professional Conference and Invited Panelist Presentations

2024

- What Can Geneticists Do to Prevent the Misuse of Genomic Data? Panel organization and moderator for Center of Ethical, Legal and Social Implications (ELSI) Resources and Analysis (CERA) Friday Forum.
- What Can Geneticists Do to Address the Misuse of Genomic Data? Panel organization and moderator for Center of Ethical, Legal and Social Implications (ELSI) Resources and Analysis (CERA) Friday Forum.

2023

- Do within family genetic associations reflect genetic nurture? American Society of Human Genetics annual meeting, Washington, D.C.
- Exploring the impact of socioeconomic factors on psychiatric genetics and epigenetics. World Congress of Psychiatric Genetics annual meeting, Montreal, Canada.
- Patterns of item nonresponse behavior to survey questionnaires are systematic and associated with genetic loci. Behavior Genetics Association annual meeting, Murcia, Spain.
- Misuses of genomic data: Case studies and paths forward for genomic scientists. Invited Panelist for Biology of Genomes annual meeting, Cold Spring Harbors Laboratory, Cold Spring Harbor, NY.

2022

- Upsetting the set up: LGBTQIA+ community engagement with genomic studies on same-sex sexual behavior. Invited Panelist for American Society of Human Genetics annual meeting, Los Angeles, CA.
- Patterns of item nonresponse to questionnaires are systematic and have a genetic basis. Integrating Genetics and the Social Sciences annual meeting, Boulder, CO.
- New directions in sociogenomics: Empirics and ethics. Sociology of Evolution, Biology, and Society Section panel session, American Sociological Association annual meeting, Los Angeles, CA.
- Reducing racial prejudice through genetics education and curriculum, Panel session on education, Behavior Genetics Association annual meeting, Los Angeles, CA.
- Insights into the human phenome from a biobank-scale factor analysis. Panel session on GWAS, European Social Science Genetics Network annual meeting, Bologna, Italy.
- What we've learned from Add Health genetic data. Panel session on genetic data, Add Health Users Conference, Chapel Hill, NC.

2021

- Let's take down determinism! Invited Panelist for American Society for Bioethics and Humanities annual meeting, Virtual Conference.

2019

- Large-scale GWAS reveals insights into the genetic architecture of same-sex sexual behavior. Integrating Genetics and the Social Sciences annual meeting, Boulder, CO.
- Add Health genetic data and genome-wide association studies. Population Association of American workshop on the Add Health dataset, Austin, TX.

2018

- New GWAS of smoking and alcohol. Conference on Polygenic Prediction and its Application in the Social Sciences, Los Angeles, CA.
- Genetic association of 565 variants with alcohol and tobacco use. Panel session on integrating genetics into population health research, Interdisciplinary Association for Population Health Science annual meeting, Headquarters of the National Academy of Sciences, Washington, D.C.
- Add Health genetic data and genome-wide association studies, Invited Panelist for Add Health Users Conference methodology session, NIH Campus, Bethesda, MD.
- Gene discovery and polygenic prediction from a 1.1-million-person GWAS of educational attainment. Panel session on genetic contributions to well-being, Add Health Users Conference, NIH Campus, Bethesda, MD.
- Results from the largest genetic study of sexual orientation. Panel session on personality/politics/sexual orientation, Behavior Genetics

Association annual meeting, Boston, MA.

- Large-scale association studies yield new insights in the genetic etiology of tobacco and alcohol use. Panel session on incorporating biology into social research, Population Association of America annual meeting, Denver, CO.
- The genetics of sexual behavior and orientation, The Biomarker Network annual meeting, Denver, CO.

2017

- GWAS of educational attainment. Panel session on genes, education, and health, Integrating Genetics and the Social Sciences annual meeting, Boulder, CO.
- GSCAN GWAS of smoking and drinking phenotypes. Panel session on population health & genetics, Interdisciplinary Association for Population Health Science annual meeting, Austin, TX.
- Body size reference norms and subjective weight status: A gender and life course approach. Regular panel session on life course insecurities: Individuals and cohorts in transition, American Sociological Association annual meeting, Montreal, Canada.
- GWAS of educational attainment, phase 3: Prediction. Panel session on educational attainment, Behavior Genetics Association annual meeting, Oslo, Norway.
- GWAS of 155,439 individuals identifies 3 loci associated with risk tolerance, The Biomarker Network annual meeting, Chicago, IL.
- Smoking, education, and historical time: The importance of genetic correlation by environment interactions for population health research. Panel session on social genomics and aging, Population Association of America annual meeting, Chicago, IL.
- GWAS of educational attainment and polygenic prediction. Conference on Polygenic Prediction and its Application in the Social Sciences, Los Angeles, CA.

2016

- Body size reference norms during adolescence shape subjective weight status across the life course. Poster session, Interdisciplinary Association for Population Health Science annual meeting, State College, PA.
- Gender and genetic contributions to weight identity among adolescents and young adults in the U.S. Sociology of Evolution, Biology, and Society regular panel session on biosociology/biosocial interaction, American Sociological Association annual meeting, Seattle, WA.
- Defining the genetic correlation by environment (rGxE) interaction model. Sociology of Evolution, Biology, and Society Section panel session on rethinking evolution, biology, and society, American Sociological Association annual meeting, Seattle, WA.
- The role of the retirement environment in shaping the genetics of cognitive decline. Panel session on biosocial and genetic mechanisms in

aging, Population Association of America annual meeting, Washington, D.C.

- Variation in adolescents' physical weight perceptions: The gendered and aged context of state level body size reference norms. Poster session, Population Association of America annual meeting, Washington, D.C.

2015

- Wedow R and Boardman J. Do state level body size norms affect individuals' perceptions of their physical weight? Sociology of Population Section panel session on spatial stratification, American Sociological Association annual meeting, Chicago, IL.
- The changing influence of education and genetics on the choice to continue smoking in the United States. Panel session on addictions, Behavior Genetics Association annual meeting, San Diego, CA.
- Genetic contributions to weight identity. Panel session on genetic risk and family, environment and the life course, Population Association of America annual meeting, San Diego, CA.

2014

- Wedow R and Konieczny ME. Compromising complex identities: Understanding the negotiation between religious and homosexual identity on a catholic campus. Sociology of Religion panel session on religion and intersecting identities, American Sociological Association annual meeting, San Francisco, CA.

TEACHING EXPERIENCE

Instructor of Record

Fall 2026

- Instructor, SOC 374, Medical Sociology, Purdue University, Indianapolis Campus
- Instructor, SCLA 102 Transformative Texts: "What is Wickedness?", Purdue University, Indianapolis Campus

Fall 2025

- Instructor, SCLA 102 Transformative Texts: "What is Wickedness?", Purdue University (2 sections)

Fall 2024

- Instructor, SOC 310, Race, Ethnicity, & Biology, Purdue University
- Instructor, SCLA 102 Transformative Texts: "The Philosophy and Science of What Makes us Human", Purdue University

Fall 2023

- Instructor, SOC 310, Race, Ethnicity, & Biology, Purdue University (2 sections)

Fall 2022

- Instructor, SOC 310, Race, Ethnicity, & Biology, Purdue University
- Instructor, SCLA 102 Transformative Texts: “The Philosophy and Science of What Makes us Human”, Purdue University

Workshops and Teaching Assistant Experience

2025

- Instructor, Methodology Center at Purdue weeklong Summer Institute on Longitudinal Data Analysis

2024

- Instructor, Statistical Horizons 3-day methods course on Statistical Sociogenomics.

2020, 2018

- Instructor, Leibniz Institute for the Social Sciences workshop on Behavioral Genetics in Social Science Research
- With colleague Felix Tropf, designed and taught a week-long lecture- and data-based methodology workshop on behavioral genetics models and genome-wide analyses for social scientists

2019

- Instructor, Population Association of America workshop: “Social science genetics and genodemography”, Austin, TX
- With colleague Felix Tropf, designed and taught a day-long methodology workshop on genome-wide methods and analysis for demographers, focusing especially on the construction and effective use of polygenic scores
- Lecturer and co-organizer, Population Association of America workshop: “Add Health: Design, data, access, and effective use”, Austin, TX
- Helped design a short workshop for interested users on the National Longitudinal Study of Adolescent to Adult Health (Add Health) dataset; lectured specifically on the Add Health genetic data and polygenic scores

Summer 2017

- Teaching Assistant, Russell Sage Foundation Summer 2017 Institute in Social-Science Genomics, Santa Barbara, CA
- Activities included: planning 2-week intensive workshop; designing workshop website; writing derivational problem sets and problem set solutions; designing and helping implement a Linux server for data-driven computational analysis problems; designing, writing, and implementing data-driven computational analysis problem sets and

problem set solutions; teaching computational lectures (3 formal); holding office hours and assisting students with questions throughout the workshop

Spring 2014

- Introduction to Sociology Teaching Assistant, 3 recitation sections, University of Colorado Department of Sociology

MENTORING

Postdoctoral research associates

- Yeongmi Jeong
- Zahra Paylakhi (co-mentored with Dr. Matthew Tegtmeier in Biological Sciences)
- Rafael Geurgas
- Saranya Arirangan (co-mentored with Dr. Matthew Tegtmeier in Biological Sciences)
- Katie Thompson
- Jiachen Liu (co-mentored with Dr. Boran Gao and Dr. Geyu Zhou in Biological Sciences and Statistics)

Doctoral Students

- Callie Zaborenko, Sociology, dissertation committee member
- Boyu Jiang, Interdisciplinary Life Science (PULSe), Spring lab rotation supervisor

Undergraduate/Masters Students

- Kathryn Malerbi, Public Health (current WedowLab manager)
- Aahan Bajpai

SERVICE

- Chair-elect, American Sociological Association Biology & Society Section
- Panel Organizer, Sociogenomics, American Sociological Association, section on Biosociology and Evolutionary Sociology, Montreal, Canada
- Panel Organizer, Sociogenomics, American Sociological Association, section on Biology & Society, New York, New York, 2026
- Advisory Board Member, NIH National Human Genome Research Institute (NHGRI) Grant [R01HG012402 “Beyond the Medical: The ELSI of Polygenic Scores for Social Traits”](#), 5-year term beginning October 2022
- Councilmember, American Sociological Association Biology and Society Section, August 2025-2026
- Secretary, Behavior Genetics Association Public Science Committee, Summer 2024 – 2025
- Purdue University CLA and CoS Sociogenomics Initiative search committee member, Fall 2022 – Spring 2024

- Purdue University Department of Sociology Colloquium Committee member, Fall 2023-Fall 2024
- Vice President for Discovery Park District search committee member, Fall 2025
- Purdue University Eli Lilly 360 Task Force, Spring 2024 - 2026
- Advisory board member, Center of Ethical, Legal and Social Implications (ELSI) Resources and Analysis (CERA), 2022-2024
- Panel organizer, Population health & genetics, Interdisciplinary Association for Population Health Science annual meeting, Austin, TX
- Co-founder, coordinator, and mentor, National Science Foundation Graduate Research Fellowship Program (NSF GRFP) Workshop for Graduate Students in the Social Sciences at CU Boulder
- Session Chair, Panel session on environmental influences on health, Population Association of America annual meeting, Washington, D.C.
- Elected representative, CU Sociology Department prospective student open house committee
- Graduate student assistant, Integrating Genetics and the Social Sciences (IGSS) conference
- Graduate student coordinator, Institute of Behavioral Science Population & Health Workshop
- Elected student representative, CU Sociology Department faculty meetings

AD-HOC REVIEWER

Advances in Life Course Research; Alcoholism: Clinical and Experimental Research; American Sociological Review; American Journal of Sociology; Behavior Genetics; Developmental Psychology; Demography; Economics and Human Biology; Field Methods; Genes, Brain and Behavior; Journal of Health and Social Behavior; Journal of Racial and Ethnic Health Disparities; Nature Communications; Nature Communications Biology; Nature Human Behavior; Nature Genetics; PLOS One; Proceedings of the National Academy of Sciences; Science; Science Advances; Social Forces; Social Science & Medicine; Social Problems; The Lancet Psychiatry

PROFESSIONAL MEMBERSHIPS

- American Sociological Association (Sections: Sociology of Population; Medical Sociology; Biology & Society; Sociology of Religion)
- Population Association of America
- International Society of Psychiatric Genetics
- American Society of Human Genetics
- Behavior Genetics Association