

SAM TREJO

187 Wallace Hall – (609) 258-2614 – samtrejo@princeton.edu – www.samtrejo.com

RESEARCH INTERESTS

Social Science Genomics – Education & Health Policy – Race & Ancestry
 Social Demography – Quantitative & Computational Methods – Causal Inference

CURRENT APPOINTMENTS

Princeton University

Assistant Professor, Department of Sociology [Link]	2021 – Present
Faculty Associate, Office of Population Research, School of Public & International Affairs	2021 – Present
Faculty Associate, Center for Health and Wellbeing, School of Public & International Affairs	2022 – Present
Co-Leader (with Dalton Conley), Biosociology Research Group	2022 – Present

Oxford University

Visiting Research Fellow, Nuffield College	2024
--	------

Columbia University

Visiting Scholar, Department of Sociology	2023 – 2024
---	-------------

University of Texas at Austin

Faculty Fellow, Population Wellbeing Initiative	2022 – Present
---	----------------

University of Wisconsin–Madison

Faculty Associate, Institute for Research on Poverty	2020 – Present
--	----------------

PAST APPOINTMENTS

University of Wisconsin–Madison

Assistant Professor, Department of Sociology & La Follette School of Public Affairs	2020 – 2021
Core Faculty, Initiative in Social Genomics	2020 – 2021
Faculty Associate, Center for Demography and Ecology	2020 – 2021
Faculty Associate, Center for the Demography of Health and Aging	2020 – 2021
Faculty Associate, Interdisciplinary Training Program in Education Sciences	2020 – 2021

EDUCATION

Ph.D. Sociology & Education, Economics & Education	2020
M.A. Sociology	2019
M.A. Economics	2019
Stanford University	

B.A. Economics, Plan II Honors (Majors)	2016
Mathematics, Arabic (Minors)	
University of Texas at Austin	

BOOK CONTRACT

Debating DNA: A Social Scientist and a Bioethicist Reckon with the Genomic Revolution

Sam Trejo & Daphne Martschenko

Under Contract with *Princeton University Press*

RESEARCH ARTICLES

* denotes joint lead authorship

Published & Forthcoming

- 2023 Marissa Thompson* and **Sam Trejo***. “My School District Isn’t Segregated: Experimental Evidence on the Effect of Information on Parental Preferences Regarding School Segregation.” Forthcoming at *Sociology of Education*. [[Paper](#)] ([Data & Code](#))
- 2023 **Sam Trejo*** and Daphne Martschenko*. “Beware the Phony Horserace between Genes and Environments.” *Behavioral and Brain Sciences*. [[Paper](#)]
- 2022 Benjamin W. Domingue, Klint Kanopka, **Sam Trejo**, Mijke Rhemtulla, and Elliot M. Tucker-Drob. “Ubiquitous Bias and False Discovery Due to Model Misspecification in Analysis of Statistical Interactions: The Role of the Outcome’s Distribution and Metric Properties.” *Psychological Methods*. [[Paper](#)]
- 2022 Daphne Martschenko* and **Sam Trejo***. “Ethical, Anticipatory Genomics Research Means Celebrating Disagreement.” *Human Genetics and Genomics Advances*. [[Paper](#)]
- 2021 Benjamin W. Domingue*, Klint Kanopka, Travis T. Mallard, **Sam Trejo**, and Elliot M. Tucker-Drob*. “Modeling Interaction and Dispersion Effects in the Analysis of Gene-Environment Interaction.” *Behavior Genetics*. [[Paper](#)]
- 2021 Daphne O. Martschenko, Benjamin W. Domingue, Lucas J. Matthews, and **Sam Trejo**. “An Open-Access Repository of FAQs: Genomic Findings on Social and Behavioral Outcomes.” *Nature Genetics*. [[Paper](#)] ([Repository](#)) {Media: [Nature Genetics Editorials](#)}
- 2020 Benjamin W. Domingue, **Sam Trejo**, Emma Armstrong-Carter, and Elliot Tucker-Drob. “Interactions Between Polygenic Scores and Environments: Methodological and Conceptual Challenges.” *Sociological Science*. [[Paper](#)]
- 2020 Maya Rossin-Slater*, Molly Schnell*, Hannes Schwandt*, **Sam Trejo**, and Lindsey Uniat. “Local Exposure to School Shootings and Youth Antidepressant Use.” *Proceedings of the National Academy of Sciences*. [[Paper](#)] {Media: [Washington Post](#), [Los Angeles Times](#), [The Hill](#)}
- 2020 Emma Armstrong-Carter*, **Sam Trejo***, Liam Hill, Kirsty Crossley, Dan Mason, and Benjamin W. Domingue. “The Earliest Origins of Genetic Nurture: The Prenatal Environment Mediates the Association Between Maternal Genetics and Child Development.” *Psychological Science*. [[Paper](#)] ([FAQ](#))
- 2019 **Sam Trejo** and Benjamin W. Domingue. “Genetic Nature or Genetic Nurture? Introducing Social Genetic Parameters to Quantify Bias in Polygenic Score Analyses.” *Biodemography and Social Biology*. [[Paper](#)]
- 2019 Daphne Martschenko*, **Sam Trejo***, and Benjamin W. Domingue*. “Genetics and Education: Recent Developments in the Context of an Ugly History and an Uncertain Future.” *AERA Open*. [[Paper](#)] {Media: [American Educational Research Association](#)}

- 2018 **Sam Trejo***, Daniel W. Belsky, Jason D. Boardman, Jeremy Freese, Kathleen Mullan Harris, Pamela Herd, Kamil Sicinski, and Benjamin W. Domingue*. “Schools as Moderators of Genetic Associations with Life Course Attainments: Evidence from the WLS and Add Heath.” *Sociological Science*. [[Paper](#)]
- 2016 **Sam Trejo**. “An Econometric Analysis of the Major Choice of First-Generation College Students.” *The Developing Economist*. [[Paper](#)]

Working Papers

Marissa Thompson, **Sam Trejo**, AJ Alvero, Daphne Martschenko. “They Have Black in Their Blood’: Exploring How Genetic Ancestry Tests Affect Racial Appraisals and Classifications.” [[Paper](#)] *SocArXiv*.

Sam Trejo and Klint Kanopka. “The Phenotype Differences Model Reveals Genetic Effects on Mortality Using Incomplete Sibling Data.” *APC Working Paper*. [[Paper](#)]

Sam Trejo, Gloria Yeomans-Maldonado, and Brian Jacob. “The Psychosocial Effects of the Flint Water Crisis on School-Age Children.” *NBER Working Paper*. [[Paper](#)] ([Policy Brief](#)) {Media: [MLive](#)}

Sam Trejo. “Exploring Genetics Influences on Birth Weight.” *SocArXiv*. [[Paper](#)]

Resting Papers

Jeremy Freese, Ben Domingue, Kamil Sicinski, **Sam Trejo**, and Pam Herd. “Problems with a Causal Interpretation of Polygenic Score Differences between Jewish and non-Jewish Respondents in the Wisconsin Longitudinal Study.” *SocArXiv*. [[Paper](#)]

Benjamin W. Domingue, Klint Kanopka, **Sam Trejo**, and Jeremy Freese. “An Ordinal Model for Analysis of Years of Education.” *SocArXiv*. [[Paper](#)]

POPULAR MEDIA ARTICLES

- 2022 Robbee Wedow, Daphne Martschenko, and **Sam Trejo**. “Scientists Must Consider the Risk of Racist Misappropriation of Research.” *Scientific American*. [[Article](#)]
- 2020 **Sam Trejo**. “Here’s Why I Donated My Kidney to a Stranger—and More of Us Should.” *Los Angeles Times*. [[Article](#)]

GRANTS

Using DNA to Examine the Dynamic Relationship between Race & Ancestry – \$5,000 2023 – 2024
Princeton Data-Driven Social Science Initiative
P.I. Sam Trejo

Exploring How Genetic Ancestry Tests Influence Conceptions of Race – \$20,000 2022 – 2023
Columbia Population Research Center
P.I.s Marissa Thompson, Sam Trejo, Daphne Martschenko, & AJ Alvero

Exploring the Health and Social Implications of the Genomic Revolution – \$14,500 2022 – 2023
Princeton Center for Health and Wellbeing
P.I.s Sam Trejo & Daphne Martschenko

Understanding Parental Attitudes Towards School Segregation – \$2,000 2020 – 2021
Stanford Center for American Democracy
P.I.s Marissa Thompson & Sam Trejo

HONORS & AWARDS

Brocher Foundation Summer Research Residency		2023
National Science Foundation Graduate Research Fellowship	\$138,000/3 years	2017 – 2020
Institute of Education Sciences Graduate Research Fellowship	\$120,000/4 years	2016 – 2020
Stanford Enhancing Diversity in Graduate Education Fellowship	\$7,300/4 years	2016 – 2020
University of Texas–Austin Senior Thesis Prize in Economics	\$1,500	2016

TEACHING

Sport, Recreation, & Society [Syllabus]	Spring 2023
Princeton University, Department of Sociology	
Genomics & Society [Syllabus]	Fall 2021, Fall 2022
Princeton University, Department of Sociology	
Biodemography [Syllabus]	Spring 2021
University of Wisconsin–Madison, Department of Sociology	
Discovering What Works in Health Policy [Syllabus]	Spring 2021
University of Wisconsin–Madison, La Follete School of Public Affairs	
Causal Inference in Educational and Social Research [Syllabus]	Winter 2020
Stanford University, Graduate School of Education & Department of Sociology	

PRESENTATIONS

Colloquiums & Invited Lectures

- 2023 University of Maryland, Population Research Center
University of Oslo, Department of Psychology
Fondation Brocher, Hermance, Switzerland
University of Southern California, Social Genomics Working Group
Columbia University, Center for Wealth & Inequality
Columbia University, Przeworski Lab
- 2022 University of California–Berkeley, Department of Demography
University of California–Santa Cruz, Science & Justice Research Center
University of Texas–Austin, Biosocial Working Group
University of Southern California, Social Genomics Working Group
Robert Wood Johnson Medical School, Rutgers Cancer Institute of New Jersey
Princeton University, New Jersey Alliance for Clinical and Translational Science
Harvard University, Center for Education Policy Research
University of Texas, Lifespan Development Lab
University of Michigan (w/Mona Hanna-Attisha & Kevelin Jones), Ford School of Public Policy
Princeton University (w/David Grusky & Siwei Cheng), Department of Sociology
- 2021 University of Wisconsin–Madison, Department of Population Health Sciences
University of Colorado–Boulder, Institute for Behavioral Science
Stanford University, Bio Futures Program
University of Wisconsin–Madison, Department of Neuroscience
University of Wisconsin–Madison, Institute for Research on Poverty
Stanford University, Center for Biomedical Ethics

2020 Princeton University, Department of Sociology
University of Wisconsin–Madison, Department of Sociology & School of Public Affairs
University of Wisconsin–Madison, Center for Demography & Ecology
University of Southern California, Social Genomics Working Group
Erasmus University Rotterdam, Social Genomics Working Group

2019 Virginia Commonwealth University, EDGE Lab

2018 Michigan State University–Flint, Division of Public Health

Conference Presentations

2023 Eastern Sociological Society
Population Association of America
NIA Biomarkers Network
International Network of Analytical Sociology
American Sociological Association
Princeton Center for Health & Wellbeing Mini-Conference

2022 European Social Science Genomics Network
Behavior Genetics Association
Integrating Genetics and Social Science

2021 Association for Education Finance and Policy

2020 Population Association of America
NIA Biomarkers Network
Integrating Genetics and Social Science

2019 Association for Public Policy Analysis and Management
Integrating Genetics and Social Science

2018 Association for Public Policy Analysis and Management
Integrating Genetics and Social Science
Interdisciplinary Association of Population Health Sciences
Association for Psychological Science
American Educational Research Association

2017 Integrating Genetics and Social Science

UNIVERSITY & DEPARTMENTAL SERVICE

Committees

Princeton University

Demographic Training Committee, Office of Population Research 2022 – Present
Admissions Committee, Department of Sociology 2021 – 2022

University of Wisconsin–Madison

Health Policy Certificate Committee, School of Public Affairs 2020 – 2021
Doctoral Placement Committee, Department of Sociology 2020 – 2021
Doctoral Exams Committee: Education, Department of Sociology 2020 – 2021
Doctoral Exams Committee: Methods & Statistics, Department of Sociology 2020 – 2021

Stanford University

Student Representative, Interdisciplinary Doctoral Program in Education Policy 2018 – 2020

Advising

Princeton University

Doctoral Primary Advisor: B. Taddess (Sociology), L. Zhang (Demography)

Doctoral Dissertation Committees: J. Qi (Demography)

Undergraduate Senior Thesis Advising: G. Juarez '22, A. Brookins '22, P. Parsons '23, E. Sklanka '23

PROFESSIONAL ACTIVITIES

Referee

American Sociological Review

Demography

Social Forces

Sociological Science

Sociology of Education

Journal of Health & Social Behavior

Journal of Policy Analysis & Management

Review of Economics & Statistics

Journal of Population Economics

Journal of Public Economics

Economics & Human Biology

Scandinavian Journal of Economics

Journal of Developmental & Life-Course Criminology

Developmental Psychology

Child Development Perspectives

Educational Researcher

Journal of Health & Aging

SSM - Mental Health

International Health

Communications Biology

Proceedings of the National Academy of Sciences

Nature Human Behavior

Nature Scientific Reports

npj Science of Learning

PLOS ONE

Program Committee

2023 Population Association of America (Data & Methods)

Poster Session Head Judge

2023 Population Association of America (Health, Health Behaviors, & Health Care)

Session Organizer

2023 American Sociological Association (Quantitative Methods)

Discussant

2019 Association for Public Policy Analysis and Management

TRAINING

Faculty Success Program

National Center for Faculty Development and Diversity

Detroit, MI

2022

Summer Institute on Biological Approaches in the Social Sciences

Russell Sage Foundation and Northwestern University, School of Education and Social Policy

Evanston, IL

2019

Summer Institute in Social Science Genomics

Russell Sage Foundation and Social Science Genomics Association Consortium

Santa Barbara, CA

2017

Summer Workshop on Formal Demography

University of California, Berkeley, Department of Demography

Berkeley, CA

2017