

Peter T. Tanksley

peter_tanksley@txstate.edu

EXPERIENCE

Research Scientist

ALERT Center, Texas State University
Areas: First responder health/well-being, eye-tracking

2024-present

Postdoctoral Fellow

Population Research Center, University of Texas at Austin
Areas: Social Science Genomics/Epigenetics
Supervisor: K. Paige Harden, Ph.D.

2020-2024

EDUCATION

Doctor of Philosophy, Criminal Justice

University of Cincinnati
Dissertation: From age to aging: Biological age and its role in the criminal career.
Chair: J.C. Barnes, Ph.D.

2020

Master of Science, Criminal Justice & Criminology

University of Texas at San Antonio
Thesis: Differential susceptibility in successful psychopathy.
Chair: Jamie Newsome, Ph.D.

2016

Bachelor of Arts, Criminal Justice

University of Texas at San Antonio
Internship: Secret Service, San Antonio Field Office
Minor: Biology

2014

RESEARCH CONCENTRATIONS

Applied Statistical Analysis
Biopsychosocial Criminology
Health Criminology/Aging

Developmental/Life-course Criminology
Sociogenomics/epigenetics

PUBLICATIONS

ACADEMIC ARTICLES

2025

Blair, Pete J., M. Hunter Martaindale, **Peter T. Tanksley**, & Jack D. Johncox.
“Active attacks with motor vehicles: A short report and case study of the 2025 New Year’s Day attack in New Orleans, LA.” *American Journal of Criminal Justice* (accepted).

deSteiguer, Abby J., Laurel A.S. Raffington, Aditi Sabhlok, **Peter T. Tanksley**, Elliot M. Tucker-Drob, & K. Paige Harden.
“Stability of aging- and cognition-related methylation profile scores across two waves in Children and Adolescents.” *Child Development* (online first).

Gonzalez, Drew E., Macilynn E. Coles, **Peter T. Tanksley**, M. Hunter Martaindale, Steven E. Martin, Matthew J. McAllister.
“Relationships between physiological stress biomarkers and cardiovascular disease risk factors among career firefighters.” *Journal of Occupational and Environmental Medicine* (online first).

McAllister, Matthew J., Caitlin Dodge, **Peter T. Tanksley**, M. Hunter Martaindale, Seven E. Martin, & Drew E. Gonzalez.
“Markers of fitness, stress, and cardiometabolic disease risk among law enforcement officers.” *Journal of Occupational and Environmental Medicine* (online first).

2024

Tanksley, Peter T., Sarah J. Brislin, Jasmin Wertz, Ronald de Vlaming, Natasia S. Courchesne-Krak, Travis T. Mallard, Laurel A. S. Raffington, Richard Karlsson Linner, Philipp Koellinger, Abraham A. Palmer, Sandra Sanchez-Roige, Irwin Waldman, Danielle Dick, Terrie E. Moffitt, Avshalom Caspi, & K. Paige Harden.
“Do polygenic indices capture “direct” effects on child externalizing behavior? Within-family analyses in two longitudinal birth cohorts.” *Clinical Psychological Science*, 13 (2), 316-331.

Barnes, J.C., Terrie E. Moffitt, **Peter T. Tanksley**, Shahin Tasharrofi, Richie Poulton, & Avshalom Caspi.
“Using Risk of Crime Detection to Study Change in Mechanisms of Decision-Making.” *Journal of Personality & Social Psychology*, 126 (3), 477–491.

Willems, Yyouk E., Abby deSteiguer, **Peter T. Tanksley**, Liza Vinnik, Deniz Främke, Aysu Okbay, David Richter, Gert G. Wagner, Ralph Hertwig, Philipp D. Koellinger, Elliot M. Tucker-Drob, K. Paige Harden, & Laurel A.S. Raffington.
“Self-control is associated with health-relevant disparities in buccal DNA-methylation measures of biological aging in older adults.” *Clinical Epigenetics*, 16 (22).

2023

Tanksley, Peter T., Matthew W. Logan, & J.C. Barnes.
“History of incarceration and age-related neurodegeneration: Testing models of genetic and environmental risks in a longitudinal panel study of older adults.” *PLoS ONE*, 18 (12): e0288303.

Williams, Camille M., Holly Poore, **Peter T. Tanksley**, Hyeokmoon Kweon, Natasia S. Courchesne-Krak, Diego Londono-Correa, Travis T. Mallard, Peter Barr, Philipp D. Koellinger, Irwin D. Waldman, Sandra Sanchez-Roige, K. Paige Harden, Abraham A Palmer, Danielle M. Dick, & Richard Karlsson Linnér.

“Guidelines for evaluating the comparability of down-sampled GWAS summary statistics.” *Behavior Genetics*, 53, 404–415.

Raffington, Laurel A.S., **Peter T. Tanksley**, Liza Vinnik, Aditi Sabhlok, Megan Patterson, Travis T. Mallard, Margherita Malanchini, Ziada Ayorech, Elliot M. Tucker-Drob, & K. Paige Harden.

“Socially stratified DNA-methylation profiles are associated with disparities in child and adolescent mental health.” *Clinical Psychological Science*, 34 (2), 170–185.

Wertz, Jasmin, Terrie E. Moffitt, Louise Arseneault, J.C. Barnes, Michel Boivin, David L. Corcoran, Andrea Danese, Robert J. Hancox, HonaLee Harrington, Renate M. Houts, Stephanie Langevin, Hexuan Liu, Richie Poulton, Karen Sugden, **Peter T. Tanksley**, Benjamin S. Williams, & Avshalom Caspi.

“Genetic associations with parental investment from conception to wealth inheritance: 30,000 parents in six cohorts”. *Nature Human Behavior*, 7, 1388–1401.

2022

Langevin, Stephanie, Ashalom Caspi, J.C. Barnes, Grace Brennan, Richie Poulton, Suzanne C. Purdy, Sandhya Ramrakha, **Peter T. Tanksley**, Peter R. Thorne, Graham Wilson, & Terrie E. Moffitt.

“Life-course persistent antisocial behavior and accelerated biological aging in a longitudinal birth cohort.” *The International Journal of Environmental Research and Public Health*, 19(21), 14402.

Raffington, Laurel A.S., **Peter T. Tanksley**, Aditi Sabhlok, Liza Vinnik, Travis T. Mallard, Lucy King, Bridget Goosby, K. Paige Harden, & Elliot M. Tucker-Drob.

“Socially stratified epigenetic profiles are associated with cognitive functioning in children and adolescents.” *Psychological Science*, 34(2), 170-185.

Liu, Hexuan, **Peter T. Tanksley**, Ryan T. Motz, Rachel M. Kail, & J.C. Barnes.

“Incarceration, polygenic risk, and depressive symptoms among males in late adulthood.” *Social Science Research*, 104, 102683.

2021

Liu, Hexuan, Ryan T. Motz, **Peter T. Tanksley**, J.C. Barnes, & Kathleen Mullan Harris.

“Adolescent criminal justice involvement, educational attainment, and genetic inheritance: Testing an integrative model using the Add Health data.” *Journal of Developmental & Life-Course Criminology*, 7(2), 195-228.

2020

Tanksley, Peter T., J.C. Barnes, Brian Boutwell, Avshalom Caspi, & Terrie E. Moffitt.

“Identifying pathways to polyvictimization: Evidence from a longitudinal cohort study of twins from the United Kingdom.” *Journal of Experimental Criminology*, 16 (3), 431-461.

2019

Barnes, J.C., Hexuan Liu, Ryan T. Motz, **Peter T. Tanksley**, Rachel M. Kail, Amber L. Beckley, Daniel W. Belsky, Benjamin W. Domingue, Terrie E. Moffitt, Travis C. Pratt, &

Jasmin Wertz.

“The propensity for aggressive behavior and lifetime incarceration risk: A test for gene-environment interaction (G×E) using whole-genome data.” *Aggression & Violent Behavior*, 49, 101307.

Tanksley, Peter T., Ryan T. Motz, Rachel M. Kail, J.C. Barnes, & Hexuan Liu.

“The genome-wide study of human social behavior and its application in sociology.” *Frontiers of Sociology*, 4(53): 1-10.

Motz, Ryan M., **Peter T. Tanksley**, Hexuan Liu, Tesfaye B. Mersha, & J.C. Barnes.

“Every contact leaves a trace: Contact with the criminal justice system, life outcomes, and the intersection with genetics.” *Current Opinion in Psychology*, 27: 82-87.

PREPRINTS

Schwaba, Ted, Margaret L. Clapp Sullivan, Wonuola A. Akingbuwa, Kerli Ilves, **Peter T. Tanksley**, Camille M. Williams, Yavor Dragostinov, Wangjingyi Liao, Lindsay S. Ackerman, Josephine C. M. Fealy, Gibran Hemani, Javier de la Fuente, Priya Gupta, Murray B. Stein, Joel Gelernter, Daniel F. Levey, Urmo Vösa, Liisi Ausmees, Anu Realo, Estonian Biobank Research Team, Mariliis Vaht, Jüri Allik, Tõnu Esko, René Möttus, Uku Vainik, Gudrun A. Jonsdottir, Gudmar Thorleifsson, Árni Freyr Gunnarsson, Gyda Bjornsdottir, Thorgeir E. Thorgeirsson, Hreinn Stefansson, Kari Stefansson, Rosa Cheesman, Qi Qin, Elizabeth C. Corfield, Helga Ask, Fartein Ask Torvik, Eivind Ystrom, Martin Tesli, Dorret I. Boomsma, Eco J. C. de Geus, Jouke-Jan Hottenga, Dener Cardoso Melo, Harold Snieder, Catharina A. Hartman, Charley Xia, Archie Campbell, Michelle Luciano, Ian J. Deary, W. David Hill, Seon-Kyeong Jang, Scott I. Vrieze, Gonçalo Abecasis, Michelle K. Lupton, Brittany L. Mitchell, Petra V. Viher, Lucía Colodro-Conde, Nicholas G. Martin, Sarah E. Medland, Eske M. Derks, Briar Wormington, Jaakko Kaprio, Karri Silventoinen, Teemu Palviainen, Agnieszka Gidziela, Kaili Rimfeld, Robert Plomin, Margherita Malanchini, Danielle M. Dick, Fazil Aliev, Laura W. Wesseldijk, Fredrik Ullén, Miriam A. Mosing, Henry Kranzler, Yaira Nunez, Sarah Beck, Renato Polimanti, Tobias Edwards, Alexandros Giannelis, Emily A. Willoughby, James J. Lee, Matt McGue, Antonio Terracciano, Michele Marongiu, Edoardo Fiorillo, Francesco Cucca, Angelina R. Sutin, Peter J. van der Most, Albertine J. Oldehinkel, Tina Kretschmer, Andrey A. Shabalin, Anna R. Docherty, Robert F. Krueger, Colin D. Freilich, Binisha H. Mishra, Terho Lehtimäki, Olli T. Raitakari, Mika Kähönen, Aino Saarinen, Henrik Dobewall, Liisa Keltikangas-Järvinen, Klaus Berger, Marisol Herrera-Rivero, Fabian Streit, Swapnil Awasthi, Stephanie H. Witt, Johanna Tuhkanen, Katri Räikkönen, Johan G. Eriksson, Jari Lahti, Gail Davies, Paul Redmond, Adele Taylor, Janie Corley, Tom C. Russ, Marina Ciullo, Teresa Natile, Jun Ding, Yong Qian, Toshiko Tanaka, Luigi Ferrucci, Lea Zillich, Lea Sirignano, K. Paige Harden, Erhan Genç, Patrick D. Gajewski, Stephan Getzmann, Christoph Fraenz, Javier E. Schneider Peñate, Stefanie Lis, Alisha S. M. Hall, Christian Schmah, Sabine C. Herpertz, Abdel Abdellaoui, Michel G. Nivard, & Elliot M. Tucker-Drob.

“Robust inference and widespread genetic correlates from a large-scale genetic association study of human personality” *BioRxiv* (under review at Science): <https://doi.org/10.1101/2025.05.16.648988>.

PRESENTATIONS

ACADEMIC CONFERENCES

2024

Tanksley, Peter T. “Introducing the Active Attack Data Explorer”. Presented at the ALERRT Conference, December, San Marcos, TX.

2023

Tanksley, Peter T. “The incarceration experience, health, and biological aging: Evidence from the Midlife in the United States (MIDUS) study.” Paper presented at the annual conference for the American Society of Criminology, November, Philadelphia, PA.

Tanksley, Peter T., Matthew W. Logan, & J.C. Barnes. “History of incarceration and age-related neurodegeneration: Testing models of genetic and environmental risks in a longitudinal panel study of older adults.” Paper presented at the annual conference for the American Society of Criminology, November, Philadelphia, PA.

2022

Tanksley, Peter T., Sarah J. Brislin, Jasmin Wertz, Travis T. Mallard, & K. Paige Harden. “Identifying genetic and environmental pathways for the development of externalizing behavior using within-family genomic data.” Paper presented at the annual conference for the Behavior Genetics Association, June, Los Angeles, CA.

2021

Tanksley, Peter T. & J.C. Barnes.
“Early criminal justice contact and accelerated biological aging throughout adulthood.” Paper presented at the annual conference for the American Society of Criminology, November, Chicago, IL.

Tanksley, Peter T.
“Evidence of accelerated aging among Americans with a history of incarceration.” Paper presented at the annual conference for the American Society of Criminology, November, Chicago, IL.

Tanksley, Peter T.
“Evidence of accelerated aging among Americans with a history of incarceration.” Paper presented virtually at the annual conference for Integrating Genetics and Social Sciences, October, Boulder, CO.

2020

Tanksley, Peter T. “Aging out: Biological age and its role in the criminal career.” Paper and poster presented virtually at the annual conference for Integrating Genetics and Social Sciences, October, Boulder, CO.

2019

Tanksley, Peter T.

"Identifying psychological pathways to polyvictimization." Paper presented at the annual conference for the American Society of Criminology, November, San Francisco, CA.

Barnes, J.C., **Peter T. Tanksley**, & Terrie E. Moffitt.

"Perceptions of punishment risk from adolescence to middle adulthood." Paper presented at the annual conference for the American Society of Criminology, November, San Francisco, CA.

Tanksley, Peter T., & Jorim J. Tielbeek, for the Broad Antisocial Behavior Consortium.

"A new genome-wide association study of antisocial behavior: Expanding the BroadABC." Paper presented at the annual conference for the American Society of Criminology, November, San Francisco, CA.

Tanksley, Peter T., & Jorim J. Tielbeek, for the Broad Antisocial Behavior Consortium.

"A new genome-wide association study of antisocial behavior: Expanding the BroadABC." Paper and poster presented at the annual conference for Integrating Genetics and Social Sciences, October, Boulder, CO.

2018

Tanksley, Peter T., Ryan T. Motz, Hexuan Liu, J.C. Barnes, Brian Boutwell, Avshalom Caspi, & Terrie E. Moffitt.

"Victimization and the effects of cognitive traits: A discordant MZ-twin approach." Paper presented at the annual conference for the American Society of Criminology, November, Atlanta, GA.

Liu, Hexuan, **Peter T. Tanksley**, Ryan T. Motz, & J.C. Barnes.

"Incarceration risk, genetic inheritance, and depression over the life-course." Paper and poster presented at the annual conference for Integrating Genetics and Social Sciences, October, Boulder, CO.

2017

Tanksley, Peter T. & J.C. Barnes.

"Geri-paths: Testing the effects of age on neurophysiological functioning in psychopathic individuals." Paper presented at the annual conference for the American Society of Criminology, November, Philadelphia, PA.

2016

Tanksley, Peter T. & Jamie Newsome.

"Differential susceptibility in psychopathic subtypes: The role of genetic plasticity in the development of successful psychopaths." Poster presented at the annual conference for the American Society of Criminology, November, New Orleans, LA.

2015

Tanksley, Peter T., Jamie Newsome, & James V. Ray.

"Genetic and environmental influences on the relationship between callous-unemotional traits and delinquency." Poster presented at the annual conference for the American Society of Criminology, November, Washington, D.C.

INVITED TALKS

2024

“Linking incarceration and health: A tale of three models” Presented to the Correctional Systems and Practices undergraduate course for the School of Criminal Justice and Criminology, Texas State University, San Marcos, TX, USA.

“Go analog, baby! Epigenetics & Social Science Research” Presented to the Biosocial Criminology doctoral course for the School of Criminal Justice, University of Cincinnati, Cincinnati, OH, USA.

2023

“Linking incarceration and health: A tale of three models” Presented to the Correctional Systems and Practices undergraduate course for the School of Criminal Justice and Criminology, Texas State University, San Marcos, TX, USA.

“The biosocial lens.” Presented to the Correctional Systems and Practices undergraduate course for the School of Criminal Justice and Criminology, Texas State University, San Marcos, TX, USA.

“The role of environmental factors in a genetic predictor of externalizing behavior: Evidence across development in two UK-based cohorts.” Presented at the Open Research Meeting, hosted by the Externalizing Consortium (virtual).

“The role of environmental factors in a genetic predictor of externalizing behavior: Evidence across development in two UK-based cohorts.” Presented to the Department of Sociology, Purdue University, West Lafayette, IN, USA.

2022

“Direct genetic effects are the primary drivers of externalizing genetics during development.” Presented to the Biosocial Working Group, University of Texas at Austin, Austin, TX, USA.

2021

“Crime and biological aging.” Presented to the School of Social Sciences, University of Białystok, Białystok, Poland.

2019

“Research discussion: ‘Identifying pathways to polyvictimization.’” Presented to the “Criminal Justice Research Methods” course at the University of Cincinnati, Cincinnati, OH, USA.

2018

“Criminogenomics: The study of crime in a postgenomic era.” Presented to the “Introduction to Criminological Theory” course at the University of Cincinnati, Cincinnati, OH, USA.

“Geri-paths: Testing the effects of age on neurophysiological functioning in psychopathic individuals.” Presented at the Research + Innovation Week at the University of Cincinnati, Cincinnati, OH, USA.

AWARDS

Early Career Award

Division of Biopsychosocial Criminology, American Society of Criminology 2023

FUNDING

Improving Law Enforcement Officers’ Ability to Correctly Identify Weapons Through Training the Visual System

Perception, Action, & Cognition Program, The National Science Foundation 2024
Amount: \$517,088 (Unfunded)

Graduate Study & Faculty Research Mentoring Grant

College of Education, Criminal Justice, & Human Services, University of Cincinnati
Amount: \$1,000 2020

Research Fellowship Grant

Graduate Student Government Association, University of Cincinnati 2020
Amount: \$1,200

Graduate Student Research Grant

School of Criminal Justice, University of Cincinnati 2018
Amount: \$2,500

EDITORIAL BOARDS

Psychology of Addictive Behaviors (principal reviewer -genetics)
American Journal of Criminal Justice (member)

AD HOC REVIEWER

American Journal of Criminal Justice
Criminal Justice & Behavior
Epigenetics
European Journal of Criminology
Journal of Developmental & Life-course Criminology

Journal of Research in Crime & Delinquency
Molecular Psychiatry
Psychology of Addictive Behaviors
Social Science & Medicine
Youth & Society

STATISTICAL SOFTWARE & PROGRAMMING

Operating Systems

Mac OS X, Windows, & Linux

Statistical Software

R (Primary), Stata

Data Science Projects

ActiveAttackData.org

Other Tools

Bash, Plink, and other Linux-based tools for bioinformatics

ADVANCED TRAINING

Experiments in Social Science Research & Interactive Visualization, Dashboards, and Apps with R and Shiny

ICPSR, University of Michigan

2024

International Statistical Genetics Workshop

Institute for Behavioral Genetics, University of Colorado-Boulder

2021

Genomics for Social Scientists-Epigenetics

Institute for Social Research, University of Michigan

2021

Introduction to Behavioral Genetics Workshop

GESIS, Leibniz Institute for the Social Sciences

2020

Genomics for Social Scientists

Institute for Social Research, University of Michigan

2019

TEACHING

Instructed

Introduction to Criminology
Criminal Justice Research Methods

Assisted/Facilitated (*=Distance Learning)

Criminal Justice Statistics
Correctional Rehabilitation*
Police Effectiveness*
Advanced Crime Analysis*

Policing in America*
Introduction to Crime Mapping*
Seminar in Criminal Justice*