

# Frank D. Mann

<https://www.frankdmann.com>

## RESEARCH POSITIONS

<b>Research Assistant Professor</b> Family, Population, and Preventative Medicine, Stony Brook Medicine	2021 – Present
<b>Postdoctoral Research Associate</b> Program in Public Health, Stony Brook Medicine	2020 – 2021
<b>Statistical Consultant</b> Minnesota Center for Practice Transformation, St. Paul	2019 – 2020
<b>Postdoctoral Research Associate</b> Department of Psychology, University of Minnesota, Twin Cities	2017 – 2020
<b>Graduate Research Assistant: Developmental Behavior Genetics</b> Department of Psychology, University of Texas - Austin	2014 – 2017
<b>Visiting Scientist: Queensland Institute of Medical Research</b> Genetic Epidemiology, Molecular Epidemiology and Neurogenetics Labs	Summer 2014
<b>Graduate Research Assistant: Lifespan Development Lab</b> Department of Psychology, University of Texas - Austin	2013 – 2014
<b>Research Assistant: Mt. Hope Family Center</b> Department of Clinical and Social Sciences, University of Rochester	2010 – 2013

## TEACHING POSITIONS

<b>Adjunct Professor</b> Family, Population, and Preventative Medicine, Stony Brook Medicine	2023 – Present
<b>Adjunct Professor</b> Department of Psychology, Augsburg University	2019 – 2020
<b>Guest Lecturer</b> Department of Psychology, University of Minnesota – Twin Cities	2019
<b>Graduate Teaching Assistant</b> Department of Psychology, University of Texas – Austin	2013 – 2016

## EDUCATION

<b>University of Texas</b> , Austin, Texas Ph.D., Psychology	2013 – 2017
<b>University of Texas</b> , Austin, Texas M.A., Psychology	2013 – 2015
<b>New College</b> , Oxford, United Kingdom Select Course Work: Cognitive Neuroscience, Philosophy of Mind, History of Modern Philosophy	2009 – 2010
<b>State University of New York</b> , Brockport, New York B.S., Psychology & Philosophy (Magna Cum Laude)	2006 – 2009

## RESEACH SUPPORT

### Active Research Support

3. **CDC/NIOSH U01 – OH012258** 9/1/2021 – 8/30/2025  
Title: “*Cognition and Neuropathology in World Trade Center-exposed FDNY, NYPD, and Construction Worker Responders.*” **Role:** Co-I (MPI: Clouston & Hall)  
**Goals:** Given the magnitude and scale of events surrounding 9/11 and prior reports of cognitive dysfunction indicative of an underlying neurodegenerative disease, we propose here to examine cognitive symptoms, blood-based biomarkers, and Beta-Amyloid and Tau burden using positron emission tomography (PET) combined with magnetic resonance neuroimaging (MRI) in a group of FDNY responders to compare with work being completed now in the NYPD and Volunteer responders at Stony Brook University as part of an existing NIA-funded study of brain aging.
  
2. **NIA R21 – 1R21AG074705-01** 08/15/2021 - 7/31/2024  
Title: “*Trauma Exposure and Cognitive Impairment: Understanding Polygenic Liability and the Causative and Moderating Effects of Exposure Severity, PTSD, and Psychiatric Comorbidity in WTC Responders.*” **Role:** PI  
**Goals:** The proposed data analysis extends the above work by addressing (1) whether the association between exposure severity and cognitive impairment, and between PTSD and cognitive impairment are consistent with a cause-effect relation; and (2) whether polygenic liability moderates the effects of exposure severity, PTSD, and depressive symptoms on cognitive impairment in WTC responders, while also (3) supporting comparisons of gender, race, and ethnic group differences in longitudinal changes in cognitive health.
  
1. **NIH LRP – 1L60AG074424-01** 8/1/2021 - 7/31/2024  
Title: “*Cumulative Stress and Polygenic Risk for Alzheimer’s Disease and Related Dementia (ADRD): Understanding Stress as a Mediator and Moderator of Genetic Liability.*” **Role:** PI  
**Goals:** The proposed data analysis: (1) develops a hierarchical model of cumulative stress at the cross-sectional to capture inter-individual differences in the tendency to experience multiple stressors, and compare different scoring routines to quantify repeated exposure to multiple stressors over time (i.e., cumulative stress), including quantitative methods that are commonly used in neuroendocrinology to measure physiological stress response, and (3) test whether the effect of cumulative stress on cognitive function is moderated by genetic liability for Alzheimer’s Disease.

### Past Research Support

1. **SUNY Research Center – RSG-201061.2** 10/15/2020-4/14/2022  
Title: “*Using Machine Learning to develop CKD risk prediction models in patients with PTSD.*” **Role:** Co-I (PI: Koraishy)  
**Goals:** The aim of this study was to support biomarker development for neuropsychological correlates of kidney aging in the WTC responder cohort. As a co-investigator, my primary role was to help develop predictive models for chronic kidney

disease and conduct polygenic risk score analyses of decline in glomerular filtration rate, which resulted in the publication of two peer-reviewed journal articles.

## **PUBLICATIONS & SCHOLARLY WORKS**

### **Peer-Reviewed Journal Articles**

50. **Mann, F.D.**, Clouston, S.A.P., Cuevas, A., Waszczuk, M.A., Pei-Fen, K., Carr, M.A., Docherty, A.R., Shabalin, A.A., Gandy, S.E., Luft, B.J. (2023). Polygenic Liability, Exposure Severity, and Post-Traumatic Stress Disorder Predict Cognitive Impairment in World Trade Center Responders. *Journal of Alzheimer's Disease*.
49. Cuevas, A.G., **Mann, F.D.**, & Krueger, R.F. (2023). Discrimination Exposure and Polygenic Risk for Obesity in Adulthood: Testing Gene-Environment Correlations and Interactions. *Lifestyle Genomics*.
48. Hobbs, K.A., **Mann, F.D.**, Latzman, R.D., Zimmerman, J., Jaeger, U., Markon, K., Krueger, R.F. (2023). Pathological Personality in Relation to Multiple Domains of Quality of Life and Impairment: Evidence for the Specific Relevance of the Maladaptive Poles of Major Trait Domains. *Journal of Psychopathology and Clinical Science*.
47. Chen, A.P.F., Zahinoor, I., **Mann, F.D.**, Bromet, E.J., Clouston, S.A.P., Luft, B.J. (In Press) Behavioral Impairments and Increased Risk of Cortical Atrophy Risk Scores Among World Trade Center Responders. *Journal of Geriatric Psychiatry and Neurology*.
46. O'Keefe, P., Muniz-Terrera, G., Voll, S., Clouston, S., Wanström, L., **Mann, F. D.**, ... & Hofer, S. M. (2023). Cohort changes and sex differences after age 50 in cognitive variables in the English Longitudinal Study of Ageing. *The Journals of Gerontology: Series B*.
45. Zlatan, K., Freilich, C.D., **Mann, F.D.**, & Krueger, R.F. (2023) Linking Genetic Foundations of Sleep Disturbances to Personality Traits: A Study of Mid-Life Twins. *Journal of Sleep Research*
44. Wänström, L., O'Keefe, P., Clouston, S.A.P., **Mann, F.D.**, Muniz-Terrera, G., Voll, S., Zhang, Y., Hofer, S. Rodgers, J.L. (2023) It Runs in the Family: Testing for Longitudinal Family Flynn Effects. *Journal of Intelligence*.
43. Cuevas, A.G., Freilich, C.D., **Mann, F.D.**, Cole, S.W., & Krueger, R.F. (2023). Intersectional Vulnerability in the Relationship Between Discrimination and Inflammatory Gene Expression. *Brain, Behavior, & Immunity – Health*.
42. Freilich, C.D., **Mann F.D.**, South S.C. Krueger, R.F. (2022) Comparing Phenotypic, Genetic, and Environmental Associations between Personality and Loneliness. *Journal of Research on Personality*.
41. Koraiшы, F.M., **Mann, F.D.**, Waszczuk, M.A., Kuan, P., Jonas, K. Yang, X., Docherty, A., Shabalin, A., Clouston, S.A.P., Kotov, R., Luft, B. (2022) Polygenic Association of

Glomerular Filtration Rate Decline among World Trade Center Responders. *BMC Nephrology*.

40. Patterson, M.W., Pivnick, L., **Mann, F.D.**, Grotzinger, A.D., Monahan, K.C., Laurence, S.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*.
39. Freilich, C.D., **Mann, F.D.**, Krueger, R.F. (2022) Comparing Associations Between Personality and Loneliness at Midlife Across Three Cultures. *Journal of Personality*.
38. Cuevas, A.G., **Mann, F.D.**, Krueger, R.F. (2022) The Weight of Childhood Adversity: Evidence that Childhood Adversity Moderates the Impact of Genetic Risk on Waist Circumference in Adulthood. *International Journal of Obesity*.
37. **Mann, F.D.**, Cuevas, A.G., Krueger, R.F. (2021) Cumulative stress: A general “s-factor” in the structure of stress. *Social Science and Medicine*.
36. Koraiшы, F.M., Coca, S., Cohen, E., Scherrer, J.F., **Mann, F.D.**, Luft, B., Clouston, S. (2021) Post-traumatic stress disorder (PTSD) is associated with longitudinal change in glomerular filtration rate (GFR) in World Trade Center (WTC) responders. *Psychosomatic Medicine*.
35. **Mann, F.D.**, Krueger, R.F., Clouston, S., Cole, S. (2021) Demographic correlates of inflammatory and antiviral gene expression in the Study of Midlife in the United States (MIDUS). *Biodemography and Social Biology*.
34. O’Keefe, P., **Mann, F.D.**, Clouston, S., Voll, S., Muniz-Terrera, G., Lewis, N., Wanström, L., Hofer, S.M., Rodgers, J.L. (2021) Getting a grip on secular changes: Age-period-cohort modeling of grip strength in the English Longitudinal Study of Ageing. *Journal of Gerontology: Medical Sciences*.
33. Chen, A.P.F, Clouston, S.A.P., Kritikos, M., Richmond, L., Meliker, J., **Mann, F.D.**, Santiago-Michels, S., Pellicchia, A.C., Carr, M.A., Kuan, P., Bromet, E.J., Luft, B.J. (2021) A deep learning approach for monitoring parietal-dominant Alzheimer’s disease in World Trade Center responders at midlife. *Brain Communications*.
32. Clouston, S.A., Muniz-Terrera, G, Rodgers, J., O’Keefe, P., **Mann, F.D.**, Lewis, N.A., Wänström, L., Hofer, S.M. (2021) Cohort and Period Effects as Explanations for Declining Dementia Trends and Cognitive Aging. *Population and Development Review*.
31. **Mann, F.D.**, DeYoung, C.G., & Krueger, R.F. (2021) Patterns of cumulative continuity and maturity in Big Five personality and well-being: Evidence from a large longitudinal sample of adults. *Personality and Individual Differences*.

30. **Mann, F.D.**, DeYoung, C.G., Tiberius, V., & Krueger, R.F. (2021) Stability and Well-Being: Associations among the Big Five domains, metatraits, and three kinds of well-being in a large sample. *Journal of Personality*.
29. Hobbs, K.A., **Mann, F.D.**, Cole, S.W., & Krueger, R.F. (2021) Big Five Personality and CTRA gene expression: Lack of association in a midlife sample of US adults (MIDUS-Refresher). *Personality and Individual Differences*.
28. Cuevas, A.G., **Mann, F.D.**, Williams, D.R., & Krueger, R.F. (2021) Discrimination and anxiety: Using multiple polygenic scores to control for genetic liability. *Proceedings of the National Academy of Sciences*.
27. South, S.C., **Mann, F.D.**, Krueger, R.F. (2021) Marital Satisfaction as a Moderator of Molecular Genetic Influences on Mental Health. *Clinical Psychological Science*.
26. **Mann, F.D.**, Krueger, R.F., Vohs, K.D. (2020) Personal Economic Anxiety in Response to COVID-19. *Personality and Individual Differences*.
25. **Mann, F.D.**, Atherton, O.E., DeYoung, C.G. DeYoung, Krueger, R.F., Robbins, R.W. (2020) Big five personality traits and common mental disorders within a hierarchical taxonomy of psychopathology: A longitudinal study of Mexican-origin youth. *Journal of Abnormal Psychology*.
24. Martin, J.D., **Mann F.D.**, Krueger, R.F. (2020) Low cardiac vagal control is associated with genetic liability for elevated triglycerides and risky health behaviors. *Biological Psychology*.
23. Docherty A.R., Shabalín A.A., Adkins D.E., **Mann F.**, Krueger R.F., Bacanu S., Campbell A., Hayward C., Porteous D., McIntosh A., Kendler K. (2020) Molecular genetic risk for psychosis is associated with psychosis risk symptoms in a population-based UK cohort: Findings from Generation Scotland. *Schizophrenia Bulletin*.
22. Harden, K. P., Engelhardt, L. E., **Mann, F. D.**, Patterson, M. W., Grotzinger, A. D., Savicki, S. L., ... & Tucker-Drob, E. M. (2020) Genetic Associations Between Executive Functions and a General Factor of Psychopathology. *Journal of the American Academy of Child & Adolescent Psychiatry*.
21. **Mann, F.D.**, DeYoung, C.G., Tiberius, V., & Krueger, R.F. (2019) Social exposures and well-being: Using multivariate twin data to rule-out heritable and shared environmental variation. *Journal of Research in Personality*.
20. **Mann, F.D.**, Tackett, J.F., Tucker-Drob, E.M., & Harden, K.P. (2018) Callous-unemotional traits moderate genetic and environmental influences on rule-breaking and aggression: evidence for gene  $\times$  trait interaction. *Clinical Psychological Science*.

19. Patterson, M.W., **Mann, F.D.**, Grotzinger, A.D., Tackett, J.L., Tucker-Drob, E.M., & Harden, K.P. (2018) Genetic and Environmental Influences on Internalizing Psychopathology Across Age and Pubertal Development. *Developmental Psychology*.
18. **Mann, F.D.**, Paul, S., Tackett, J.L., Tucker-Drob, E.M., & Harden, K.P. (2018) Personality risk for antisocial behavior: Testing the intersections between callous-unemotional traits, sensation seeking and impulse control. *Development and Psychopathology*.
17. Möttus, R., Briley, D.A., Zheng, A., **Mann, F.D.**, Engelhardt, L.E., Tackett, J.L., Harden, K.P., & Tucker-Drob, E.M. (2019) Kids becoming less alike: A Behavioral Genetic Analysis of Developmental Increases in Personality Variance from Childhood to Adolescence. *Journal of Personality and Social Psychology: Personality Processes and Individual Differences*.
16. Grotzinger, A.D., Briley, D.A., Engelhardt, L.E., **Mann, F.D.**, Patterson, M.W., Tackett, J.L., Tucker-Drob, E.M., & Harden, K.P. (2018) Genetic and Environmental Influences on Pubertal Hormones in Human Hair across Development. *Psychoneuroendocrinology*.
15. Grotzinger, A., **Mann, F.D.**, Patterson, M.W., Tackett J.L., Tucker-Drob, E.M., & Harden, P. (2018) Hair and salivary testosterone, hair cortisol and externalizing behavior in adolescents. *Psychological Science*.
14. Grotzinger, A., **Mann, F.D.**, Patterson, M.W., Herzhoff, K., Tackett, J.L., Tucker-Drob, E.M. & Harden, K.P. (2018) Twin models of environmental and genetic influences on pubertal development, salivary testosterone, and estradiol in adolescence. *Clinical Endocrinology*.
13. Harden, K.P., **Mann, F.D.**, Grotzinger, A., Patterson, M.W., Steinberg, L., Tackett, J.L., & Tucker-Drob, E.M. (2018) Developmental Differences in Reward Sensitivity and Sensation Seeking in Adolescence: Testing Sex-Specific Associations with Gonadal Hormones and Pubertal Development. *Journal of Personality and Social Psychology: Personality Processes and Individual Differences*.
12. **Mann, F. D.**, Engelhardt, L., Briley, D. A., Grotzinger, A. D., Patterson, M. W., Tackett, J. L., ... & Harden, K.P. (2017) Sensation seeking and impulsive traits as personality endophenotypes for antisocial behavior: Evidence from two independent samples. *Personality and Individual Differences*.
11. Harden, K.P., Kretsch, N., **Mann, F.D.**, Herzhoff, K., Tackett, J.L., Steinberg, L., & Tucker-Drob, E.M. (2017) Beyond dual systems: A genetically informed, latent factor model of behavioral and self-report measures related to adolescent risk-taking. *Developmental Cognitive Neuroscience*.

10. Patterson, M.W., Cheung, A., **Mann, F.D.**, Tucker-Drob, E.M., & Harden, K.P. (2017) Multivariate analysis of genetic and environmental influences on parenting in adolescence. *Journal of Family Psychology*.
9. Tucker-Drob, E.M., Grotzinger, A., Briley, D.A., Engelhardt, L.E., **Mann, F.D.**, Patterson, M.W., Kirschbaum, C., Adam, E.A., Church-Lang, J.A., Tackett, J.L. & Harden, K.P. (2017) Genetic influences on hormonal markers of chronic HPA function in human hair. *Psychological Medicine*.
8. **Mann, F.D.**, Patterson, M.W, Grotzinger, A.D., Kretsch, N. Tackett, J.L., Tucker-Drob, E.M., & Harden, K.P. (2016) Sensation seeking, peer deviance and genetic influences on adolescent delinquency: Evidence for person-environment correlation and interaction. *Journal of Abnormal Psychology*.
7. Engelhardt, L., **Mann F.D.**, Briley, D.A., Church-Lang, J., Harden, K.P. & Tucker-Drob, E.M. (2016) Strong genetic overlap between executive functions and intelligence. *Journal of Experimental Psychology: General*.
6. Tucker-Drob, E.M., Briley, D.A., Engelhardt, L.E., **Mann, F.D.**, & Harden, K.P. (2016) Genetically mediated associations between measures of childhood character and academic achievement. *Journal of Personality and Social Psychology*.
5. **Mann, F.D.**, Briley, D.A., Tucker-Drob, E.M., & Harden, K.P. (2015) A behavioral genetic analysis of callous-unemotional traits and big five personality in adolescence. *Journal of Abnormal Psychology*.
4. Harden, K.P, & **Mann, F.D.** (2015) Biological risk for adolescent externalizing: Integrating insights from behavioral genetics and developmental neuroscience. *Child Development Perspectives*.
3. **Mann, F.D.**, Kretsch, N., Tackett, J.L., Harden, K.P., & Tucker-Drob, E.M. (2015) Person-environment interactions predict adolescent delinquency: Sensation seeking, peer deviance and parental monitoring. *Personality and Individual Differences*, 76, 129-135.
2. Harden, K., Patterson, M., Briley, D., Engelhardt, L., Kretsch, N., **Mann, F.D.**, Tackett, J., & Tucker-Drob, E.M. (2015) Developmental changes in genetic and environmental influences on rule-breaking and aggression: Age and pubertal development. *Journal of Child Psychology and Psychiatry*.
1. Engelhardt, L., Briley, D., **Mann, F.**, Harden, K., & Tucker-Drob, E.M. (2015) Genes unite executive functions in childhood. *Psychological Science*.

### **R-Packages**

1. **Mann, F.D.** (2018) SBSDiff: Satorra-Bentler Scaled Chi-Squared Difference Test. R-package version 1.0. Available on CRAN. <<https://cran.r-project.org/>>

### **Manuscripts Submitted for Peer-Review**

4. **Mann, F.D.**, Mahwish, S., Clouston, S.A.P., Waszczuk, M.A., Cuevas, A., Kuan, P.F., Carr, M.A., Docherty, A.R., Shabalin, A.A., Bromet, E.J., Luft, B.J. (Submitted) Traumatic Exposures, Post-Traumatic Stress, and Cognitive Impairment: A Longitudinal Mediation Analysis of World Trade Center Responders.
3. Clouston, S.A.P., **Mann, F.D.**, Meliker, J., Babalola, Tesleem, Kuan, P., Kotov, R., Kritikos, M., Richmond, L., Yang, Y., Carr, M.A., Luft, B.J. (Submitted) Incidence of Early Onset Dementia in World Trade Center Rescue and Recovery Workers.
2. Goktas, S.O., **Mann, F.D.**, Ong, A.D. (Submitted) Exploring the Relationship Between Genetic Propensity for Educational Attainment, Positive Affect, and Sleep Quality: The Mediating Role of Education.
1. **Mann, F.D.**, Docherty, A.R., Shabalin, A., Krueger, R.F. (Submitted) Molecular Genetic Liability in the Study of Midlife in the United States (MIDUS): Predictive Validity of Polygenic Scores.

### **Papers Presented at Academic Conferences**

30. **Mann, F.D.** (July 2023) Understanding the Link Between Trauma and Cognitive Impairment Among World Trade Center (WTC) Responders. International Society for the Study of Individual Differences (ISSID) Conference. Belfast, Northern Ireland.
29. **Mann, F.D.** (May 2023) Measuring the Accumulative Impact of Psychosocial Stressors 2023 International Conference on Alzheimer's Disease and Parkinson's Disease and related neurological disorders. MIDUS Annual Meeting. Madison, WI.
28. **Mann, F.D.**, Clouston, S.A.P., Cuevas, A., Waszczuk, M., Luft, B. (2023) Post-Traumatic Stress and Cognitive Impairment: A Single-Sample Mendelian Randomization Study of World Trade Center Responders. 2023 International Conference on Alzheimer's Disease and Parkinson's Disease and related neurological disorders.
27. Zhang, Y., Rodgers, J.L., O'Keefe, P., Terrera, G.M., Voll, S., **Mann, F.D.**, Hofer, S.M., Clouston, S. (2023). The Flynn Effect in Short-Term Cognitive Declines of Americans Aged 65 Years and Older: Smarter and Maybe Slower. GSA Annual Scientific Meeting.
26. **Mann, F.D.** & Krueger, R.F. (May 2019) Genetic Liability in the Study of Midlife Development in the U.S. MIDUS Annual Meeting. Madison, WI.
25. **Mann, F.D.**, DeYoung, C.G., Tiberius, V., & Krueger, R.F. (May 2019) Stability and well-being: Associations between the metatraits of the Big Five and well-being. Genetic and Human Agency Meeting. Charlottesville, VA.
24. **Mann, F.D.**, DeYoung, C.G., Tiberius, V., & Krueger, R.F. (July 2018) Stability, Change, and Covariation of Big Five Personality and Psychological Well-Being Across



Adulthood: A Longitudinal Behavior Genetic Analysis. 19th European Conference on Personality. Zadar, Croatia

23. **Mann, F.D.**, DeYoung, C.G., & Krueger, R.F. (June 2018) Psychosocial Exposures and Well-Being: Concurrent and Longitudinal Overlap Before and After Accounting for Gene-Environment Correlation. 48<sup>th</sup> Annual Meeting of the Behavioral Genetics Association. Boston, MA.
22. **Mann, F.D.**, DeYoung, C.G., Tiberius, V., & Krueger, R.F. (May 2018) Are links between personality and well-being just in our genes? MIDUS Annual Meeting. Madison, WI.
21. **Mann, F.D.**, DeYoung, C.G., Tiberius, V., & Krueger, R.F. (May 2018) Stability, Change and Covariation of Big Five Personality and Psychological Well-Being Across Adulthood: A Longitudinal Behavior Genetic Analysis. Genetic and Human Agency Meeting, Charlottesville, VA.
20. Grotzinger, A.G., Briley, D., Engelhardt, L. **Mann, F.**, Patterson, M., Tackett, J., Tucker-Drob, E., & Harden, K. (April 2018) Genetic and Environmental Associations Between Hair Hormones and Self-Reported Pubertal Development. Society for Research on Adolescence Biennial Conference, Minneapolis, MN.
19. Patterson, M., Madole, J., **Mann, F.**, Tucker-Drob, E., & Harden, K. (April 2018) Network Analysis of Sensation Seeking, Delinquency, and Positive Risk-Taking. Society for Research on Adolescence Biennial Conference, Minneapolis, MN.
18. Harden, K.P., Engelhardt, L., **Mann, F.D.**, Patterson, M., Grotzinger, A., Savicki, S., Thibodeaux, M., Tackett, J., & Tucker-Drob, E.M. (May 2017) Overlapping Genetic Influences on Executive Functions, General Intelligence, and a General Factor of Psychopathology. 46<sup>th</sup> Annual Meeting of the Behavioral Genetics Association, Oslo, Norway.
17. Harden, K.P., **Mann, F.D.**, Kretsch, N. Herzhoff, K., Tackett, J.L., & Tucker-Drob, E.M. (May 2017) Genetic Influences on Risk Preference in Adolescence: Results from a Multivariate Twin Study. 46<sup>th</sup> Annual Meeting of the Behavioral Genetics Association, Oslo, Norway.
16. **Mann, F.D.**, Grotzinger, A., Patterson, M.W., Tackett, J.L., Tucker-Drob, E.M., & Harden, K.P. (April 2017) Callous-unemotional traits moderate genetic and environmental variance in aggression, rule-breaking and conduct disorder: evidence for gene  $\times$  trait interactions. Society for Research on Child Development Biennial Conference, Austin, TX.
15. Grotzinger, A., **Mann, F.D.**, Patterson, M.W., Engelhardt, L., Tackett, J.L., Tucker-Drob, E.M., & Harden, K.P. (April 2017) Hair testosterone and externalizing behaviors:

evidence for main effects and gene  $\times$  testosterone interaction. Society for Research on Child Development Biennial Conference, Austin, TX.

14. Patterson, M.W., **Mann, F.D.**, Grotzinger, A.D., Tackett, J.L., Tucker-Drob, E.M., & Harden, K.P. (April 2017) Sex-specific pathways between sensation seeking, delinquency, and positive risk-taking in adolescence. Society for Research on Child Development Biennial Conference, Austin, TX.
13. Briley, D.A., Engelhardt, L.E., **Mann, F.D.**, Patterson, M.W., Grotzinger, A., Tackett, J.L., Harden, K.P., & Tucker-Drob, E.M. (April 2017) Developmental shifts in the genetic and environmental factor structure of the Big Five. Society for Personality and Social Psychology Annual Conference: Lifespan Preconference, San Antonio, TX.
12. Grotzinger, A., **Mann, F.D.**, Patterson, M.W., Tackett J.L., Tucker-Drob, E.M., & Harden, P. (January 2017) Associations between Salivary and Hair Testosterone and Externalizing Behaviors in Adolescence. Society for Personality and Social Psychology Annual Conference: Social Neuroendocrinology Preconference, San Antonio, TX.
11. Patterson, M.W., **Mann, F.D.**, Grotzinger, A.D., Tucker-Drob, E.M., & Harden, K.P. (April 2016) Developmental changes in anxiety and depression: moderation of genetic and environmental influences by age and puberty. Society for Research on Adolescence Biennial Conference, Baltimore, MD.
10. Grotzinger, A.D., **Mann, F.D.**, Patterson, M.W., Tucker-Drob, E.M., & Harden, K.P. (April 2016) Genetic and environmental influence on the covariation between estradiol and testosterone in adolescent twins. Society for Research on Adolescence Biennial Conference, Baltimore, MD.
9. **Mann, F.D.**, Tucker-Drob, E.M., & Harden, K.P. (October 2015) Parenting, personality risk, and adolescent delinquency. 9<sup>th</sup> Biennial Meeting of the Society for the Study of Human Development, Austin, TX.
8. Briley, D.A., Engelhardt, L.E., **Mann, F.D.**, Harden, K.P. & Tucker-Drob, E.M. (September 2015) Genetic and environmental structure of self-regulation: executive functioning and conscientiousness. Annual Conference for the International Society for Intelligence Research, Albuquerque, NM.
7. Tucker-Drob, E.M., Briley, D.A., Engelhardt, L.E., **Mann, F.M.**, Patterson, M.W., & Harden, K.P. (June 2015) Biometric analysis of chronic cortisol in a socioeconomically diverse twin sample. 45<sup>th</sup> Annual Meeting of the Behavioral Genetics Association, San Diego, CA.
6. Patterson, M., **Mann, F.**, Tucker-Drob, E., & Harden, K. (June 2015) Multivariate analysis of genetic and environmental influences on parenting in adolescence. 45<sup>th</sup> Annual Meeting of the Behavioral Genetics Association, San Diego, CA.

5. Tucker-Drob, E., Briley, D., Engelhardt, L., Patterson, M., **Mann, F.D.**, & Harden K. (June 2015) Biometric analysis of chronic cortisol in a socioeconomically diverse twin sample. 45<sup>th</sup> Annual Meeting of the Behavioral Genetics Association, San Diego, CA.
4. **Mann, F.D.**, Patterson, M.W., Martin, N.G., Tucker-Drob, E.M., & Harden, K.P. (June 2015) Trait endophenotypes for antisocial behavior: evidence for novelty seeking and impulsive trait across two independent samples. 45<sup>th</sup> Annual Meeting of the Behavioral Genetics Association, San Diego, CA.
3. **Mann, F.D.**, Tucker-Drob, E.M., & Harden, K.P. (March 2015) Genetic and environmental pathways to adolescent delinquency: sensation seeking, peer deviance and parental monitoring. Society for Research on Child Development Biennial Conference, Philadelphia, PA.
2. **Mann, F.D.**, Tucker-Drob, E., & Harden, K. (June 2014) The genetics of personality and callous-unemotional traits. 44<sup>th</sup> Annual Meeting of the Behavioral Genetics Association, Charlottesville, VA.
1. Engelhardt, L.E., Briley, D.A., **Mann, F.D.**, & Tucker-Drob, E.M. (September 2014) Genetic and environmental structure of executive functions in childhood. 44<sup>th</sup> Annual Meeting of the Behavioral Genetics Association, Charlottesville, VA.

**Posters Presented at Academic Conferences** (asterisks indicate student advisee)

12. **Mann, F.D.**, Clouston, S.A.P., Cuevas, A., Waszczuk, M., Luft, B. (Accepted) Traumatic Exposure, Post-Traumatic Stress, and Cognitive Impairment: A Longitudinal Mediation Analysis in World Trade Center (WTC) Responders. 2023 International Conference on Alzheimer's Disease and Parkinson's Diseases and related neurological disorders.
11. Wanström, L.A., O'Keefe, P., Clouston, S., **Mann, F.D.**, Terrera, G.M., Voll S., Hofer, S., Rodgers, J.L. (November 2022). It Runs in the Family: Testing for a Family Flynn Effect, With Links to Middle-Aged Maternal Health Outcomes. GSA Annual Scientific Meeting
10. Goktas, O.S., Ong, A., **Mann, F.D.** (Under Review for May 2022) Is a Polygenic Score for Educational Attainment a Marker of Vantage Sensitivity in Getting Amplified Sleep Benefits from Positive Affect? American Psychological Society Annual Convention. Chicago, IL.
9. \*Hobbs, K.A., **Mann, F.D.**, Latzman, R.D., Zimmerman, J., & Krueger, R.F. (March 2021) Personal Domains Across the Continua in Relation to Quality of Life. Society for Personality Assessment Virtual Convention.
8. **Mann, F.D.**, Wyckoff, J., Tackett, J.L., Tucker-Drob, E.M., & Harden, K.P. (April 2018) Physical, Verbal and Relational Aggression in Adolescence: Testing an Evolutionary

Hypothesis of Sex Differences. Society for Research on Adolescence Biennial Conference, Minneapolis, MN.

7. \*Freis, S.M., **Mann, F.D.**, Tackett, J.L., Tucker-Drob, E.M., & Harden, K.P. (April 2017) Correlations between substance use and sexual risk-taking in adolescence: a behavior genetic analysis. Society for Research on Child Development Biennial Conference, Austin, TX.
6. \*Curtis, H.E., **Mann, F.D.**, Patterson, M.W., Kretsch, N., Briley, D.A., Engelhardt, L.E., Cheung, A.K., Tucker-Drob, E.M., & Harden, K.P. (May 2015) Personality and sexual initiation in adolescence. Association for Psychological Science 27<sup>th</sup> Annual Convention, New York, NY.
5. \*Curtis, H.E., Briley, D.A., Cheung, A.K., Engelhardt, L.E., Kretsch, N., **Mann, F.D.**, Patterson, M.W., Tackett, J.L., Harden, K.P., & Tucker-Drob, E.M. (May 2015) Child genetic effects on parent educational expectations increase with age: evidence for gene-environment correlation. Association for Psychological Science 27<sup>th</sup> Annual Convention, New York, NY.
4. Patterson, M.W., **Mann, F.D.**, Tucker-Drob, E.M., & Harden, K.P. (March 2015) Differential pathways between drinking motives, peer deviance and alcohol use outcomes. Society for Research on Child Development Biennial Conference, Philadelphia, PA.
3. Engelhardt, L.E., Briley, D.A., **Mann, F.D.**, Churchland J.A., Harden, K.P., & Tucker-Drob, E.M. (September 2014) The unity and diversity framework of executive functions in childhood. The International Congress for Integrative Developmental Cognitive Neuroscience, Hollywood, CA.
2. **Mann, F.D.**, Tucker-Drob, E.M., & Harden, K.P. (March 2014) Trait-environment interactions predict adolescent delinquency: sensation seeking, peer deviance and parental monitoring. Society for Research on Adolescence Biennial Conference, Austin, TX.
1. **Mann, F.D.**, Davies, P.T., & Sturge-Apple, M.L. (March 2013) Individual differences in preschool children's sAA reactivity: child and family precursors. Society for Research on Child Development Biennial Conference, Seattle, WA.

## **SERVICE & LEADERSHIP**

### **Sole Care for Souls - Assistant**

2018-2020

University of Texas at Austin – Department of Psychology

**Description:** I assisted a team of registered nurses to provide podiatric care for men experiencing homelessness in the greater Minneapolis-St. Paul metro area.

### **Undergraduate Honors Program – Mentor**

2016-2017

University of Texas at Austin – Department of Psychology

**Description:** As a mentor, I guided undergraduate students to develop research questions that could be addressed by conducting secondary data analyses. After developing these questions, I encouraged independence while guiding them through otherwise intimidating data analytic procedures and the reporting of results. Finally, I helped students turn their projects into posters that were presented at academic conferences.

**SURE Program – Mentor** 2015-2017

University of Texas at Austin – Department of Psychology

**Description:** Students who come from low-income families and racially minoritized groups tend to be underrepresented in Psychology graduate programs. The Summer Undergraduate Research Experience (SURE) program is designed to increase the representation of minorities in psychology research. Providing room and board for the summer, in addition to a decent working wage, students who are typically required to work during the summer may do so without missing the invaluable research experiences that propel students to graduate-level training. As a mentor in the SURE program, I trained students in laboratory protocol and data collection, helped to develop research questions that could be answered with the analysis of existing data, and encouraged students to submit their findings to a scientific conference for presentation.

## HONORS & AWARDS

**Early Career Award** 2021

International Society for the Study of Individual Differences

**Graduate School Continuing Fellowship** 2015

Department of Psychology, University of Texas – Austin, TX

**Professional Development Travel Award** 2015

Department of Psychology, University of Texas – Austin, TX

**Professional Development Travel Award** 2014

Department of Psychology, University of Texas – Austin, TX

**Magna Cum Laude in Psychology** 2010

Department of Psychology, SUNY College at Brockport – Brockport, NY

## EDITORIAL WORK

### Editorial Board Member

Personality and Individual Differences 2019 – Present

Journal of Research in Personality 2020 – Present

### Ad hoc Reviewer

Behavioral Sciences 2019

Brain, Behavior, and Immunity 2022

British Journal of Educational Psychology 2019 – 2020

British Journal of Psychology 2020

BMC Public Health 2023

Child Development	2016 – 2020
Clinical Psychological Science	2020
Current Psychology	2022
Development and Psychopathology	2020
Developmental Psychology	2017 – 2023
Emotion	2018
European Journal of Personality	2023
European Journal of Developmental Psychology	2014
Evolutionary Psychological Science	2018
Evolution and Human Behavior	2017
Frontiers in Cardiovascular Medicine	2022
Frontiers in Psychology	2022
International Journal of General Medicine	2022
Journal of Psychopathology and Clinical Science	2020 – 2023
Journal of Adolescent Health	2015 – 2020
Journal of Child and Family Studies	2019 – 2020
Journal of Child Psychology and Psychiatry	2015 – 2018
Journal of Criminal Justice	2021
Journal of Personality and Social Psychology	2018 – 2020
Journal of Personality Disorders	2021
Justice Quarterly	2016 – 2021
Neuropsychiatric Disease and Treatment	2020
Personality and Social Psychology Bulletin	2018
PLOS One	2022
Psychiatry Research	2017
Psychiatry, Psychology, and Law	2020 – 2023
Psychological Medicine	2015 – 2023
Psychological Reports	2023
SAGE Open	2015
Schizophrenia Bulletin	2020 – 2023
Social Science & Medicine	2022
Sociology of Education	2018
Substance Use and Misuse	2020
Sustainability	2020