

# Frank D. Mann, Ph.D.

<https://www.frankdmann.com>

## RESEARCH POSITIONS

<b>Senior Research Scientist</b> Department of Medicine, Stony Brook University	2024 – Present
<b>Research Assistant Professor</b> Family, Population, and Preventative Medicine, Stony Brook University	2021 – 2024
<b>Postdoctoral Research Associate</b> Program in Public Health, Stony Brook University	2020 – 2021
<b>Statistical Consultant</b> Minnesota Center for Practice Transformation, St. Paul, Minnesota	2019 – 2020
<b>Postdoctoral Researcher</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 Instructor</b> Family, Population, and Preventative Medicine, Stony Brook Medicine	2023
<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, Austin, Texas</b> Ph.D., Psychology (GPA: 4.00)	2013 – 2017
<b>University of Texas, Austin, Texas</b> M.A., Psychology (GPA: 4.00)	2013 – 2015
<b>New College, Oxford, United Kingdom</b> Select Course Work: Cognitive Neuroscience, Personality Psychology, History of Modern Philosophy	2009 – 2010
<b>State University of New York, Brockport, New York</b> B.S., Psychology & Philosophy (GPA: 3.87)	2006 – 2009

## RESEACH SUPPORT

### Active Research Support

4. **NIH – R01MD019251** 11/1/2024 – 10/31/2028  
Title: “*The Impact of Discrimination on Anthropometric Outcomes: An Analysis of the Adolescent Brain Cognitive Development (ABCD) Study*” **Role:** Co-I (PI: Cuevas)
3. **NIH LRP – 1L60AG074424-02** 11/1/2024 – 10/31/2026  
Title: “*Machine learning prediction models and phenome-exposome risk scores for cognitive decline: Rethinking the Link Between Stress and Alzheimer’s Disease and Related Dementias (ADRD)*” **Role:** PI
2. **NIH - R01DK137805** 1/1/2024 – 12/31/2026  
Title: “*Applying a Life Course Approach to Assess the Impact of Neighborhood and Interpersonal Discrimination on Allostatic Load*” **Role:** Consultant (PI: Cuevas)
1. **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)

### Past Research Support

3. **NIA R21 – 1R21AG074705-01** 08/15/2021 - 4/31/2024  
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
2. **NIH LRP – 1L60AG074424-01** 8/1/2021 - 7/31/2023  
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
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)

## SCHOLARLY WORKS

### Peer-Reviewed Scientific Articles

63. Freilich, C.D., **Mann, F.D.**, Markon, K.E., Cole, S.W., Kruger, R.F. (2025) Predicting Epigenetic Aging with the Transdiagnostic Internalizing Spectrum versus Specific Internalizing Syndromes. *World Psychiatry*.
62. Ong, A.D., **Mann, F.D.** (2025) Cumulative Social Advantage Across the Lifespan: Examining the Convergent and Predictive Validity of a Multidimensional Hierarchical Construct for Health and Longevity. *American Psychologist*.

61. **Mann, F.D.**, Waszcuk, M.A., Clouston, S.A.P. Feltman, S., Ruggero, C.J., Marx, B.P., Schwartz, J.E., Bromet, E.J., Luft, B.J., Kotov, K. (2025) Long-Term Trajectories of Posttraumatic Stress Disorder Symptoms: A 20-Year Longitudinal Study of World Trade Center Responders. *Nature Mental Health*.
60. Ringwald, W.R., Feltman, S. Clouston S., **Mann, F.D.**, Ruggero, C., Bromet, E.J., Luft, B.J. (2025) Mechanisms of stress that maintain posttraumatic stress disorder across 20 years. *Psychological Medicine*.
59. Yang, Y., Meliker, J., Richmond, L.L., **Mann, F.D.**, Kritikos, M., Smith, D.M., ... & Clouston, S.A.P. (2025). World Trade Center Response Activities and Cognitive Health: A Moderated Mediation Study of the Role of Surgical/Nuisance Dust Mask Usage. *NeuroToxicology*.
58. **Mann, F.D.**, Mueller, A.K. Zeig-Owens, R., Choi, J., Prezant, D.J., Carr, M.M., Fels, A.M., Hennington, C.M., Armstrong, M.P., Barber, A., Fontana, A.E., Kroll, C.H., Chow, K., Melendez, O.A., Smith, A.J., Luft, B.J., Hall, C.D., Clouston, S.A.P. (2024) Prevalence of Mild and Severe Cognitive Impairment in World Trade Center Exposed Fire Department of the City of New York (FDNY) and General Emergency Responders. *American Journal of Industrial Medicine*
57. O'Keefe, P., Muniz-Terrera, G., Voll, S., **Mann, F.D.**, Clouston, S., Wanström, L., Rodgers, J. L., & Hofer, S. M. (2024). Inter-Cohort Shifts in Chronic Disease, Dementia, and Mortality. *Biodemography and Social Biology*.
56. Freilich, C.D., Markon, K.E., **Mann, F.D.**, Cole, S.W., Krueger, R.F. (2024) Associations Between Loneliness, Epigenetic Age Acceleration, and Multimorbidity Through Older Adulthood. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*.
55. Choi, J., Hall, C.B., Clouston, S.A.P., Cleven, K.L., **Mann, F.D.**, Luft, B.J., Zammit, A.R. (2024). Association Between Posttraumatic Stress and Cognition is Moderated by Pulmonary Functioning. *American Journal of Industrial Medicine*.
54. Markon, K.E., **Mann, F.D.**, Freilich, C.D., Cole, S.W., Krueger, R.F. (2024) Associations Between Epigenetic Age Acceleration and Longitudinal Measures of Psychosocioeconomic Stress and Status. *Social Science and Medicine*.
53. Zhang, Y., Rodgers, J.L., O'Keefe, P., Terrera, G.M., Voll, S., **Mann, F.D.**, Hofer, S.M., Clouston, S. (2024) The Flynn Effect in Short-Term Cognitive Declines of Americans Aged 65 Years and Older. *Psychology and Aging*.
52. Clouston, S.A.P., **Mann, F.D.**, Meliker, J., Kuan, P., Kotov, R., Richmond, L.L.,

- Babalola, T., Kritikos, M., Yang, Y., Carr, M.A., Luft, B.J. (2024) Incidence of early onset dementia in severely exposed World Trade Center responders. *JAMA Network Open*.
51. **Mann, F.D.**, Cuevas, A.G., Clouston, S.A.P., Freilich, C.D., Krizan, Z., Zuber, S., Wänström, L., Muniz-Terrera, G., O’Keefe, P., Voll, S., Hofer, S., Rodgers, J.L., Krueger, R.F. (2024) A Novel Approach to Model Cumulative Stressors: Area Under the s-Factor Curve. *Social Science and Medicine*.
  50. 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*.
  49. Chen, A.P.F., Zahinoor, I., **Mann, F.D.**, Bromet, E.J., Clouston, S.A.P., Luft, B.J. (2023) Behavioral Impairments and Increased Risk of Cortical Atrophy Risk Scores Among World Trade Center Responders. *Journal of Geriatric Psychiatry and Neurology*.
  48. Zlatan, K., Freilich, C.D., Krueger, R.F., & **Mann, F.D.** (2023) Linking Genetic Foundations of Sleep Disturbances to Personality Traits: A Study of Mid-Life Twins. *Journal of Sleep Research*.
  47. 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*.
  46. 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*.
  45. 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*.
  44. 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*.
  43. 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*.
  42. **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. (2022). Polygenic Liability,

Exposure Severity, and Post-Traumatic Stress Disorder Predict Cognitive Impairment in World Trade Center Responders. *Journal of Alzheimer's Disease*.

41. Koraishy, 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. Koraishy, 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., Pellecchia, 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., Shabalin 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*.
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*.

### **Articles Submitted for Peer-Review**



10. Freilich, C.D., **Mann, F.D.**, Markon, K.E., Cole, S.W., & Krueger, R.F. (Submitted) Predicting Epigenetic Aging with the Transdiagnostic Internalizing Spectrum versus Specific Internalizing Syndromes.
9. Zhou, J.W., Huang, C., Vaska, P., Kritikos, M., Santiago-Michels, S., Barber, A., Armstrong, M., Carr, M.A., **Mann, F.D.**, Kuan, P.F., Horton, M., Lucchini, R., Kotov, R., Clouston, S.A.P., & Luft, B.J. (Submitted) Reduced gray-white contrast in chronic posttraumatic stress disorder in World Trade Center responders.
8. Koraishy, F.M., Bano, R., Clouston, S.A.P., **Mann, F.D.**, Khan, B.A., Carr, M.A., Hedayati, S.S., & Luft, B.J. (Submitted). Cognitive Impairment: A Novel Risk Factor for Rapid Kidney Function Decline and Incident CKD in Middle-Aged Adults.
7. Barber, A., Chacon, R., **Mann, F.D.**, Kritikos, M., Meliker, J., Kuan, P.F., Carr, M.A., Yang, X., Clouston, S.A.P., & Luft, B.J. (Submitted) Increased levels of A $\beta$ 40 in plasma is associated with severity of exposure to airborne pollutants at the World Trade Center: A cross-sectional study of neurological biomarkers.
6. Freilich, C.D., **Mann, F.D.**, Markon, K.E., Cole, S.W., & Krueger, R.F. (Submitted) Predicting Epigenetic Aging with the Transdiagnostic Internalizing Spectrum versus Specific Internalizing Syndromes.
5. Cuevas, A.G. & **Mann, F.D.** (Submitted) Discrimination is associated with tumor necrosis factor alpha: Results from the Midlife in the United States.
4. Markon, K.E., **Mann, F.D.**, Freilich, C.D., Cole, S.W., & Krueger, R.F. (Submitted) Aging Dimensions and Markers as Relative Predictors of Mortality in a Longitudinal Epidemiological Sample.
3. Kritikos, M., Rama, T. Diminich, E., Vaska, Chuan, H, Vaska, P, Zhou, J.W., Zubari, V<sup>1</sup>, Christodoulou C, Allen, C, Kotov, R, **Mann, F.D.**, Clouston SAP. (Submitted) Grey matter volume associations with Montreal Cognitive Assessment Performance in an ADNI Cohort of Early-Onset Mild Cognitive Impairment and Alzheimer's Disease.
2. **Mann, F.D.**, Cuevas, A.G., Ong, A.D., Corely, S.S., Freilich, C.D., Markon, K.E., Krueger, R.F., Clouston, S.A.P. (Submitted) Racial Disparities in Cognitive Health & Mild Cognitive Impairment: Effects of Income, Education, and Discrimination.
1. **Mann F.D.**, Waszczuk, M.A., Clouston, S.A.P., Bromet, E.J., Marx, B.P., Shabalin, A.A., Docherty, A.R., Carr, M.A., Yang, X., Luft, B.J., Kotov, R. (Submitted) Polygenic Risk and Exposure Severity Independently Predict Trajectories of Posttraumatic Stress Disorder: A Prospective Longitudinal Cohort Study of 9/11 Responders.

### **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/>>

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

32. **Mann, F.D.**, Cuevas, A.G., Ong, A.D., Corely, S.S., Freilich, C.D., Markon, K.E., Krueger, R.F., Clouston, S.A.P. (May 2024) Racial Disparities in Cognitive Health & Mild Cognitive Impairment: Effects of Income, Education, and Discrimination in the Midlife in the United States (MIDUS) Study. MIDUS Annual Meeting. Madison, WI.
31. Ong, A. D., **Mann, F.D** (May 2024). Cumulative Social Advantage: A Hierarchical Assessment of Social Support Dimensions Predicting Health and Mortality. MIDUS Annual Meeting. Madison, WI.
30. Freilich, C. D., **Mann, F.D.**, South, S. C., McGue, M., Roisman, G. I., & Krueger, R. F., (April 2024). *Genetic and Environmental Contributions to the Associations between Personality and Loneliness: Evidence from Two Twin Studies*. The 4<sup>th</sup> World Association for Personality Psychology (WAPP) Conference in Curaçao.
29. **Mann, F.D.** (May 2023) Measuring the Accumulative Impact of Psychosocial Stressors. MIDUS Annual Meeting. Madison, WI.
28. **Mann, F.D.**, Clouston, S.A.P., Cuevas,, A., Waszczuk, M., Luft, B. (April 2023) Post-Traumatic Stress and Cognitive Impairment: A Single-Sample Mendelian Randomization Study of World Trade Center Responders. 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. (November 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)

13. **Mann, F.D.** (July 2024) Cognitive Impairment in Firefighters and Emergency Medical Services Workers after Severe World Trade Center (WTC) Exposure. Alzheimer's Association International Conference (AAIC), Philadelphia, PA.
12. **Mann, F.D.**, Clouston, S.A.P., Cuevas, A., Waszczuk, M., Luft, B. (April 2023) Traumatic Exposure, Post-Traumatic Stress, and Cognitive Impairment: A Longitudinal Mediation Analysis in World Trade Center (WTC) Responders. 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.** (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.

## HONORS & AWARDS

<b>Early Career Award</b>	2021
International Society for the Study of Individual Differences	
<b>Graduate School Continuing Fellowship</b>	2015
Department of Psychology, University of Texas – Austin, TX	
<b>Professional Development Travel Award</b>	2015
Department of Psychology, University of Texas – Austin, TX	
<b>Professional Development Travel Award</b>	2014
Department of Psychology, University of Texas – Austin, TX	
<b>Magna Cum Laude in Psychology</b>	2010
Department of Psychology, SUNY College at Brockport – Brockport, NY	

## **EDITORIAL WORK**

### **Member of Editorial Board**

Journal of American Medical Association (JAMA) Network Open	2024 – Present
Journal of Alzheimer's Disease	2023 – 2024

### **Ad hoc Reviewer**

2015 - Present

Behavioral Sciences; Brain, Behavior, and Immunity; British Journal of Educational Psychology; British Journal of Psychology; Child Development; Clinical Psychological Science; Current Psychology; Development and Psychopathology; Developmental Psychology; Emotion; Evolutionary Psychological Science; Frontiers in Cardiovascular Medicine; Frontiers in Psychology; International Journal of General Medicine; Journal of Abnormal Psychology; Journal of Adolescent Health; Journal of Child and Family Studies; Journal of Child Psychology and Psychiatry; Journal of Criminal Justice; Journal of Personality and Social Psychology; Journal of Personality Disorders; Nature Mental Health; Neuropsychiatric Disease and Treatment; Personality and Social Psychology Bulletin; PLOS One; Psychiatry Research; Psychiatry, Psychology, and Law; Psychological Medicine; Schizophrenia Bulletin; Substance Use and Misuse