

Frank D. Mann, Ph.D.

<https://www.frankdmann.com>

RESEARCH POSITIONS

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

TEACHING POSITIONS

Adjunct Instructor Family, Population, and Preventive Medicine, Stony Brook Medicine	2023
Adjunct Instructor Department of Psychology, Augsburg University	2019 – 2020
Guest Lecturer Department of Psychology, University of Minnesota – Twin Cities	2019
Graduate Teaching Assistant Department of Psychology, University of Texas – Austin	2013 – 2016

EDUCATION

University of Texas at Austin , Austin, Texas Ph.D., Psychology (GPA: 4.00)	2013 – 2017
University of Texas at Austin , Austin, Texas M.A., Psychology (GPA: 4.00)	2013 – 2015
New College , Oxford, United Kingdom Selected Course Work: Cognitive Neuroscience, Personality Psychology, History of Modern Philosophy	2009 – 2010
State University of New York , Brockport, New York B.S., Psychology & Philosophy (GPA: 3.87)	2006 – 2009

RESEARCH SUPPORT

Active Research Support

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 – 05/01/2024
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

72. Wänström, L., O’Keefe, P., Muniz-Terrera, G., Voll, S., **Mann, F.D.**, Clouston, S.A.P., Hofer, S., Rodgers, J.L. (2025) Family-Level Intelligence and Maternal Health: A Cross-Cohort, Cross-Generational Longitudinal Study Using the NLSY. *Intelligence*. DOI: [10.1016/j.intell.2025.101966](https://doi.org/10.1016/j.intell.2025.101966)
71. Kotov, R., Gonas, K.G., **Mann, F.D.** (2025) Course in Diagnosis of Psychotic Disorders: Research Agenda. *Schizophrenia Bulletin*. DOI: [10.1093/schbul/sbaf175](https://doi.org/10.1093/schbul/sbaf175)
70. Clouston, S.A.P., Meliker, J., **Mann, F.D.**, Kuan, P., Yang, Y., Trina, F.M., Sampson, L., Boffetta, P., Edelman, N.H., Luft, B.J. (2025) Lung Cancer Incidence after 9/11/2001 among World Trade Center responders: A Prospective Cohort Study. *JAMA Network Open*. DOI: [10.1001/jamanetworkopen.2025.36655](https://doi.org/10.1001/jamanetworkopen.2025.36655)

69. Ong, A.D., **Mann, F.D.**, Kubzansky, L.D. (2025) Cumulative Social Advantage is Associated with Slower Epigenetic Aging and Lower Systemic Inflammation. *Brain, Behavior, & Immunity - Health*. DOI: [10.1016/j.bbih.2025.101096](https://doi.org/10.1016/j.bbih.2025.101096)
68. **Mann, F.D.**, Waszczuk, M.A., Clouston, S.A.P., Bromet, E.J., Marx, B.P., Shabalin, A.A., Docherty, A.R., Kuan, P., Carr, M.A., Yang, X., Luft, B.J., Kotov, R. (In Press) Polygenic Risk and Exposure Severity Predict Trajectories of PTSD: A Prospective Cohort Study. *Molecular Psychiatry*. DOI: [10.1038/s41380-025-03235-2](https://doi.org/10.1038/s41380-025-03235-2)
67. Freilich, C.D., **Mann, F.D.**, Markon, K.E., Cole, S.W., Kruger, R.F. (In Press) Predicting Epigenetic Aging with the Transdiagnostic Internalizing Spectrum versus Specific Internalizing Syndromes. *World Psychiatry*. DOI: [10.1002/wps.21364](https://doi.org/10.1002/wps.21364)
66. Kritikos, M., Rama, T., Diminich, E., Chuan, H., Vaska, P., Zhou, J.W., Zubari, V., Christodoulou, C., Allen, C. Kotov, R., **Mann, F.D.**, Clouston, S.A.P. Grey matter volume associations with Montreal Cognitive Assessment performance in an ADNI cohort of early-onset Mild Cognitive Impairment and Alzheimer's Disease. *Journal of Dementia and Alzheimer's Disease*. DOI: [10.3390/jdad2030024](https://doi.org/10.3390/jdad2030024)
65. Barber, A., Chacon, R., **Mann, F.D.**, Kritikos, M., Kuan, P., Meliker, J., Carr, M., Xiaohua, Y., Clouston, S.A.P. Luft, B.J. (2025) Increased AB40 levels in plasma associated with severity of exposure to airborne pollutants at the World Trade Center: A cross-sectional study of neurological biomarkers. *Journals of Gerontology: Biological Sciences*. DOI: [10.1093/gerona/glaf135](https://doi.org/10.1093/gerona/glaf135)
64. **Mann, F.D.**, Waszczuk, 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*. DOI: [10.1038/s44220-025-00419-1](https://doi.org/10.1038/s44220-025-00419-1)
63. Markon, K.E., **Mann, F.D.**, Freilich, C.D., Cole, S.W., Kruger, R.F. (2025) Aging Dimensions and Markers as Relative Predictors of Mortality in a Longitudinal Epidemiological Sample. *PLOS ONE*. DOI: [10.1371/journal.pone.0324156](https://doi.org/10.1371/journal.pone.0324156)
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*. DOI: [10.1037/amp0001513](https://doi.org/10.1037/amp0001513)
61. 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*. DOI: [10.1017/S0033291725000686](https://doi.org/10.1017/S0033291725000686)
60. Bano, R., Clouston, S.A.P., **Mann, F.D.**, Khan, B.A., Carr, M.A., Hedayati, S.S., Luft, B.J. (2025). Cognitive Impairment: A Novel Risk Factor for Rapid Kidney Function

Decline and Incident CKD in Middle-Aged Adults. *Kidney*360. DOI: [10.34067/KID.0000000880](https://doi.org/10.34067/KID.0000000880)

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*. DOI: [10.1016/j.neuro.2025.02.002](https://doi.org/10.1016/j.neuro.2025.02.002)
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*. DOI: [10.1101/2024.08.04.24311457](https://doi.org/10.1101/2024.08.04.24311457)
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*. DOI: [10.1080/19485565.2024.2419518](https://doi.org/10.1080/19485565.2024.2419518)
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*. DOI: [10.1093/geronb/gbae169](https://doi.org/10.1093/geronb/gbae169)
55. Choi, J., Hall, C.B., Clouston, S.A.P., Cleven, K.L., **Mann, F.D.**, Luft, B.J., Zammit, A.R. (2024). Cross-Sectional Association Between Posttraumatic Stress and Cognition is Moderated by Pulmonary Functioning. *American Journal of Industrial Medicine*. DOI: [10.1002/ajim.23631](https://doi.org/10.1002/ajim.23631)
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*. DOI: [10.1016/j.socscimed.2024.116990](https://doi.org/10.1016/j.socscimed.2024.116990)
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*. DOI: [10.1037/pag0000833](https://doi.org/10.1037/pag0000833)
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*. DOI: [10.1001/jamanetworkopen.2024.16504](https://doi.org/10.1001/jamanetworkopen.2024.16504)

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*. DOI: [10.1016/j.socscimed.2024.116787](https://doi.org/10.1016/j.socscimed.2024.116787)
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*. DOI: [10.1093/geronb/gbad089](https://doi.org/10.1093/geronb/gbad089)
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*. DOI: [10.1177/08919887231195234](https://doi.org/10.1177/08919887231195234)
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*. DOI: [10.1111/jsr.13903](https://doi.org/10.1111/jsr.13903)
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*. DOI: [10.3390/jintelligence11030050](https://doi.org/10.3390/jintelligence11030050)
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*. DOI: [10.1159/000529527](https://doi.org/10.1159/000529527)
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*. DOI: [10.1016/j.bbih.2022.100580](https://doi.org/10.1016/j.bbih.2022.100580)
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*. DOI: [10.1037/abn0000810](https://doi.org/10.1037/abn0000810)
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*. DOI: [10.1016/j.jrp.2022.104314](https://doi.org/10.1016/j.jrp.2022.104314)
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*. DOI: [10.3233/JAD-220892](https://doi.org/10.3233/JAD-220892)

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*. DOI: [10.1186/s12882-022-02967-5](https://doi.org/10.1186/s12882-022-02967-5)
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*. DOI: [10.1111/jora.12807](https://doi.org/10.1111/jora.12807)
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*. DOI: [10.1111/jopy.12765](https://doi.org/10.1111/jopy.12765)
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*. DOI: [10.1038/s41366-022-01191-3](https://doi.org/10.1038/s41366-022-01191-3)
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*. DOI: [10.1016/j.socscimed.2021.114405](https://doi.org/10.1016/j.socscimed.2021.114405)
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*. DOI: [10.1097/PSY.0000000000000968](https://doi.org/10.1097/PSY.0000000000000968)
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*. DOI: [10.1080/19485565.2021.1983761](https://doi.org/10.1080/19485565.2021.1983761)
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*. DOI: [10.1093/gerona/glab192](https://doi.org/10.1093/gerona/glab192)
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*. DOI: [10.1093/braincomms/fcab145](https://doi.org/10.1093/braincomms/fcab145)

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*. DOI: [10.1111/padr.12409](https://doi.org/10.1111/padr.12409)
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*. DOI: [10.1016/j.paid.2019.109737](https://doi.org/10.1016/j.paid.2019.109737)
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*. DOI: [10.1111/jopy.12611](https://doi.org/10.1111/jopy.12611)
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*. DOI: [10.1016/j.paid.2020.109908](https://doi.org/10.1016/j.paid.2020.109908)
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*. DOI: [10.1073/pnas.2017224118](https://doi.org/10.1073/pnas.2017224118)
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*. DOI: [10.1177/2167702620985152](https://doi.org/10.1177/2167702620985152)
26. **Mann, F.D.**, Krueger, R.F., Vohs, K.D. (2020) Personal Economic Anxiety in Response to COVID-19. *Personality and Individual Differences*. DOI: [10.1016/j.paid.2020.110233](https://doi.org/10.1016/j.paid.2020.110233)
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*. DOI: [10.1037/abn0000633](https://doi.org/10.1037/abn0000633)
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*. DOI: [10.1016/j.biopsycho.2020.107892](https://doi.org/10.1016/j.biopsycho.2020.107892)
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*. DOI: [10.1093/schbul/sbaa042](https://doi.org/10.1093/schbul/sbaa042)
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*. DOI: [10.1016/j.jaac.2019.05.006](https://doi.org/10.1016/j.jaac.2019.05.006)

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*. DOI: [10.1016/j.jrp.2019.10388](https://doi.org/10.1016/j.jrp.2019.10388)
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*. DOI: [10.1177/2167702617730889](https://doi.org/10.1177/2167702617730889)
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*. DOI: [10.1037/dev0000578](https://doi.org/10.1037/dev0000578)
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*. DOI: [10.1017/S095457941700061X](https://doi.org/10.1017/S095457941700061X)
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*. DOI: [10.1037/pspp0000194](https://doi.org/10.1037/pspp0000194)
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*. DOI: [10.1016/j.psyneuen.2018.02.005](https://doi.org/10.1016/j.psyneuen.2018.02.005)
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*. DOI: [10.1177/0956797617742981](https://doi.org/10.1177/0956797617742981)
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*. DOI: [10.1111/cen.13522](https://doi.org/10.1111/cen.13522)
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*. DOI: [10.1016/j.paid.2016.09.018](https://doi.org/10.1016/j.paid.2016.09.018)

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*. DOI: [10.1016/j.paid.2016.09.018](https://doi.org/10.1016/j.paid.2016.09.018)
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*. DOI: [10.1016/j.dcn.2016.12.007](https://doi.org/10.1016/j.dcn.2016.12.007)
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*. DOI: [10.1037/fam0000298](https://doi.org/10.1037/fam0000298)
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*. DOI: [10.1017/S0033291716003068](https://doi.org/10.1017/S0033291716003068)
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*. DOI: [10.1037/abn0000160](https://doi.org/10.1037/abn0000160)
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*. DOI: [10.1037/xge0000195](https://doi.org/10.1037/xge0000195)
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*. DOI: [10.1037/pspp0000098](https://doi.org/10.1037/pspp0000098)
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*. DOI: [10.1037/abn0000099](https://doi.org/10.1037/abn0000099)
4. Harden, K.P, & **Mann, F.D.** (2015) Biological risk for adolescent externalizing: Integrating insights from behavioral genetics and developmental neuroscience. *Child Development Perspectives*. DOI: [10.1111/cdep.12135](https://doi.org/10.1111/cdep.12135)
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*. DOI: [10.1016/j.paid.2014.11.055](https://doi.org/10.1016/j.paid.2014.11.055)

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*. DOI: [10.1111/jcpp.12419](https://doi.org/10.1111/jcpp.12419)
1. Engelhardt, L., Briley, D., **Mann, F.**, Harden, K., & Tucker-Drob, E.M. (2015) Genes unite executive functions in childhood. *Psychological Science*. DOI: [10.1177/0956797615577209](https://doi.org/10.1177/0956797615577209)

Articles Submitted for Peer-Review

5. **Mann, F.D.**, & Markon, K.E. (Submitted) The False Allure of Causal Indicator Models.
4. **Mann, F.D.**, Clouston, S.A.P. Choi, J., Hall, C.D., Zieg-Owens, R., Christodoulou, C., Fels, A.M., Fajfer, M.D., Melendez, O.A., Hennington C.M., Arneaud, C.W., Zou, Y.F., Fontana, A.E., Barber, A., Mueller, A.K., Carr, M.A., Prezant, D.J., Luft, B.J. (Submitted). Posttraumatic Stress Disorder, Major Depression, and Mild Cognitive Impairment: A Cohort Study of World Trade Center Responders.
3. 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.
2. Cuevas, A.G. & **Mann, F.D.** (Submitted) Discrimination is associated with tumor necrosis factor alpha: Results from the Midlife in the United States.
1. **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.

Papers Presented at Academic Conferences

34. **Mann, F.D.** (September 2025) PTSD, Depression, and Mild Cognitive Impairment: A Cohort Study of World Trade Center Responders. *International Society for Traumatic Stress Studies 41st Annual Meeting*, Baltimore, MD.
33. **Mann, F.D.**, & Ong, A.D. (May 2025) Cumulative Social Advantage Slows Biological Aging and Reduces Systemic Inflammation. *MIDUS Annual Meeting*. Madison, WI.
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 4th World Association for Personality Psychology (WAPP) Conference*, 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. *48th 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. *46th 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. *46th 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. *9th 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. *45th 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. *45th 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. *45th 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. *45th 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.

1. **Mann, F.D.**, Tucker-Drob, E., & Harden, K. (June 2014) The genetics of personality and callous-unemotional traits. *44th 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. *44th 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 27th 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 27th 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

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

<u>Member of Editorial Board</u>	
Journal of American Medical Association (JAMA) Network Open	2024 – Present
<u>Ad hoc Reviewer</u>	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; Epidemiology and Psychiatric Sciences; 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