

Frank D. Mann

<https://www.fdmann.com>

EDUCATION

University of Minnesota , Twin Cities, Minnesota Postdoctoral Training	2017 – Present
University of Texas , Austin, Texas Ph.D., Psychology	2013 – 2017
University of Texas , Austin, Texas M.A., Psychology	2013 – 2015
New College , Oxford, United Kingdom Select Course Work: Personality Psychology, Cognitive Neuroscience, Philosophy of Mind	2009 – 2010
State University of New York , Brockport, New York B.S., Psychology & Philosophy	2006 – 2009

RESEARCH POSITIONS

Postdoctoral Research Associate Department of Psychology, University of Minnesota, Twin Cities	2017 – Present
Statistical Consultant Minnesota Center for Chemical and Mental Health, St. Paul	2019 – Present
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 Department of Psychology, Augsburg University – Twin Cities	2019 – Present
Guest Lecturer Department of Psychology, University of Minnesota – Twin Cities	2019
Graduate Teaching Assistant Department of Psychology, University of Texas – Austin	2016
Teaching Assistant Department of Psychology, University of Texas – Austin	2013, 2014, 2015

PUBLICATIONS & SCHOLARLY WORKS

Peer-Reviewed Journal Articles

1. **Mann, F.D.**, DeYoung, C.G., Tiberius, V., Krueger, R.F. (In Press) Social exposures and well-being: Using multivariate twin data to rule-out heritable and shared environmental variation. *Journal of Research in Personality*.
2. Harden, K. P., Engelhardt, L. E., **Mann, F. D.**, Patterson, M. W., Grotzinger, A. D., Savicki, S. L., ... & Tucker-Drob, E. M. (2019). Genetic Associations Between Executive Functions and a General Factor of Psychopathology. *Journal of the American Academy of Child & Adolescent Psychiatry*.
3. **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*, 6(1), 123-133.
4. 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*, 54(10), 1928-1939.
5. **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*, 30(1), 267-282.
6. 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*, 90, 76-84.
7. Möttus, R., Briley, D.A., Zheng, A., **Mann, F.D.**, Engelhardt, L.E., Tackett, J.L., Harden, K.P., & Tucker-Drob, E.M. (2018) 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*, 117(3), 635-658.
8. 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*, 29(5), 688-699.
9. 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*, 88(2), 243-250.

10. 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*, 115(1), 161-178.
11. **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*, 105, 30-39.
12. 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*, 25, 221-234.
13. 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*, 31(5), 532-541.
14. 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*. 47(15), 2738-2741.
15. **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*, 125, 679-691.
16. 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*, 145, 1141-1159.
17. 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*, 111, 790-815.
18. **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*, 124, 982-993.
19. Harden, K.P, & **Mann, F.D.** (2015). Biological risk for adolescent externalizing: Integrating insights from behavioral genetics and developmental neuroscience. *Child Development Perspectives*, 9, 211-216.

20. **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.
21. 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*, 56, 1370-1379.
22. Engelhardt, L., Briley, D., **Mann, F.**, Harden, K., Tucker-Drob, E.M. (2015). Genes unite executive functions in childhood. *Psychological Science*, 26, 1151-1163.

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 Under Peer-Review

1. **Mann, F.D.**, Shabalin, A.A., Docherty, A.R., Krueger, R.F. (Submitted) Using path analysis and multiple polygenic scores to control for pleiotropy in a Mendelian randomization study.
2. **Mann, F.D.**, Docherty, A.R., Shabalin, A.A., Krueger, R.F. (Submitted) Genetic liability in the Study of Midlife Development in the United States (MIDUS): Predictive validity of polygenic scores.
3. **Mann, F.D.**, Atherton, O.E., DeYoung, C.G., Krueger, R.F., & Robins, R.W. (Submitted) Big Five Personality Domains and Common Mental Disorders within a Hierarchical Taxonomy of Psychopathology: A Longitudinal Study of Mexican-Origin Youth.
4. **Mann, F.D.**, DeYoung, C.G., Tiberius, V., Krueger, R.F. (Submitted) Stability and Well-Being: A longitudinal analysis of associations between the meta-traits of the Big Five and well-being in adulthood.
5. **Mann, F.D.**, DeYoung, C.G., Docherty, A.R., Shabalin, A.A., Krueger, R.F. (Submitted) Education increases cognitive ability: controlling for genetic confounds using multiple polygenic scores.
6. **Mann, F.D.**, **DeYoung, C.G.**, **Krueger, R.F.** (Invited Submission) Cumulative continuity and maturity of Big Five personality and well-being: Evidence from a large longitudinal sample of adults.

7. Martin, J.D., **Mann, F.D.**, & Krueger, R.F. (Submitted) Low cardiac vagal control is associated with genetic liability for elevated triglycerides and disinhibited behavior.
8. Hobbs, K.A., **Mann, F.D.**, Cole, S.W., & Krueger, R.F. (Submitted) Big Five Personality and CTRA gene expression: Lack of association in a midlife sample of US adults (MIDUS-Refresher).
9. Docherty, A.R., Shabalin, A.A., **Mann, F.D.**, Krueger, R.F., Adkins, D.E., Campbell, A., Hayward, C., McIntosh, A.M., Porteous, D.J., & Kendler, K.S. (Submitted) Subthreshold psychosis symptoms are associated with genetic risk in a population-based cohort: Findings from Generation Scotland.
10. Patterson, M.W., Pivnick, L., **Mann, F.D.**, Grootzinger, A.D., Monahan, K.C., Steinberg, L.D., Tackett, J.L., Tucker-Drob, E.M., Harden, K.P. (Submitted) Is all risk-taking bad? Mixed methods validation of a positive risk-taking scale and evidence for genetic links to personality.

Papers Presented at Academic Conferences

1. **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.
2. **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.
3. **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
4. **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.
5. **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.
6. **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.

7. 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.
8. 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.
9. 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.
10. 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.
11. **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.
12. 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.
13. 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.
14. 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.
15. 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.

16. 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.
17. 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.
18. **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.
19. 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.
20. 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.
21. 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.
22. 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.
23. **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.
24. **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.
25. **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.

26. 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)

1. **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.
2. *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.
3. *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.
4. *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.
5. 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.
6. 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.
7. **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
8. **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.

EDITORIAL WORK

Member of Editorial Board

Personality and Individual Differences 2019

Ad hoc Reviewer

Child Development 2016, 2017, 2018, 2019

Developmental Psychology 2017, 2018, 2019

Emotion 2018

European Journal of Developmental Psychology 2014

Evolutionary Psychological Science 2018

Evolution and Human Behavior 2017

Journal of Adolescent Health 2015

Journal of Child and Family Studies 2019

Journal of Child Psychology and Psychiatry 2015, 2016, 2017, 2018

Journal of Personality and Social Psychology 2018, 2019

Justice Quarterly 2016, 2017

Personality and Individual Differences 2016, 2017, 2018

Personality and Social Psychology Bulletin 2018

Psychiatry Research 2017

Psychological Medicine 2015

Sage Open 2015

Sociology of Education 2018