

Naomi P. Friedman

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Education

- 1996 – 2002 Ph.D. (2002) and M.A. (1998) in Cognitive Psychology
University of Colorado Boulder
Advisor: Dr. Akira Miyake
- 1992 – 1996 B.A. in Psychology,
University of Texas at Austin
Summa cum laude, Honor's Advisor: Dr. Philip Gough

Professional Positions

- August 2020 – present Associate Professor
Department of Psychology and Neuroscience and Institute for Behavioral Genetics, University of Colorado Boulder
- August 2013 – August 2020 Assistant Professor
Department of Psychology and Neuroscience and Institute for Behavioral Genetics, University of Colorado Boulder
- 2013 – present Faculty Fellow
Institute for Behavioral Genetics, University of Colorado Boulder
- 2016 – present Faculty Fellow
Institute for Cognitive Science, University of Colorado Boulder
- 2008 – 2013 Senior Research Associate
Institute for Behavioral Genetics, University of Colorado Boulder
- 2002 – 2008 Research Associate
Institute for Behavioral Genetics, University of Colorado Boulder
- 2002 – 2005 Postdoctoral Trainee
Institute for Behavioral Genetics, University of Colorado Boulder
Mentor: Dr. John Hewitt, T32 HD007289

Honors, Awards, and Fellowships

- 2020 Faculty Research Award, University of Colorado Boulder Department of Psychology & Neuroscience
- 1998 – 2001 National Science Foundation Graduate Research Fellowship

2000	University of Colorado Boulder Department of Psychology Dosier Award
1998	University of Colorado Boulder Beverly Sears Dean's Small Grant
1996	Phi Beta Kappa Honor Society
1992 – 1996	National Merit Scholarship

Research Interests

My research focuses on individual differences in executive functions — high-level cognitive abilities that, through their influence on lower-level processes, enable individuals to regulate their thoughts and actions during goal-directed behavior. I study the neural and genetic mechanisms of executive functions, their structure, and their relations to self-regulation, psychopathology, and other cognitive abilities.

Grants

Active

R01 DA046064 (Friedman, Wager)	4/15/18 – 1/31/23
NIH/NIDA	\$652,996 (total costs 2020)
Role: MPI	

Brain and Genetic Predictors of Individual Differences in Pain and Placebo Analgesia

U01 DA046413 (Vrieze, Friedman)	8/15/18 – 6/30/22
NIH/NIDA	\$652,763 (total costs 2020)
Role: MPI	

A Twin Study of Adolescent Alcohol and Drug Use Development: Leveraging Intensive Longitudinal Assessments

U01 DA051018 (Banich/Hewitt)	4/15/20 – 03/31/27
NIH/NIDA	\$1,635,016 (total costs 2020)
Role: Co-I	

14/21 ABCD-USA Consortium: Research Project Site at CU Boulder

R01 MH117131 (Kaiser)	7/03/20 – 4/30/24
NIH/NIMH	\$651,033 (total costs 2020)
Role: Co-I	

Biotyping Mood Health in Late Adolescence: Neurocognitive Dimensions and Stress Pathways

R01 DA042742 (Palmer)	4/01/18 – 1/31/23
Subcontract to Institute for Behavioral Genetics (Friedman)	\$402,346 (total costs 2020)
NIH/NIDA	\$15,772 (sub only 2020)
Role: Co-I, subcontract PI	

Integrative Prioritization of Alcohol and Drug-Addiction Related Genetic Loci

R01 HD078532 (Munakata)	2/01/17 – 1/31/22
NIH/NICHD	\$316,586 (total costs 2019)
Role: Co-I	

Developing Inhibitory Control

R01 AG046938 (Reynolds/Wadsworth) 6/01/15 – 5/31/25
 Subcontract to Institute for Behavioral Genetics (Wadsworth) \$2,380,827 (total costs 2020)
 NIH/NIA
 Role: Co-I

Colorado Adoption/Twin Study of Lifespan Behavioral Development & Cognitive Aging (CATSLife)

Completed

U01 DA041120 (Luciana et al.) 9/30/15 – 04/14/20
 Subcontract to Institute for Behavioral Genetics (Banich/Hewitt) \$24,573,975 (total costs)
 NIH/NIDA
 Role: Co-I

ABCD-USA Consortium: Twin Research Project

R01 MH063207 (Friedman) 2/15/14 – 1/31/20 (NCE)
 NIH/NIMH \$3,476,331 (total costs)
 Role: PI

Neural Substrates of Executive Function: An fMRI Twin Study

R01 AA023974 (Vrieze) 9/01/14 – 8/30/18 (NCE)
 NIH/NIAAA \$1,638,910 (total costs)
 Role: Co-I

Social Media, Online Measures, and Substance Use Development in Adolescent Twins

R21 MH102210 (Hankin) 7/01/14 – 6/30/17 (NCE)
 Subcontract to Institute for Behavioral Genetics (Friedman) \$417,880 (total costs)
 NIH/NIMH
 Role: Co-I, subcontract PI

Links Among Adolescent Executive Function, Effortful Control and Psychopathology

R01 HD068728 (Willcutt/Petrill) 4/15/11 – 1/31/17 (NCE)
 NIH/NICHHD \$2,968,730 (total costs)
 Role: Co-I

Etiology and Neuropsychology of Math, Reading, ADHD, and their Covariation

R01 MH063207 (Hewitt) 9/01/08 – 5/31/13
 NIH/NIMH \$1,873,084 (total costs)
 Role: Co-I

Executive Functions and Self-Regulation: A Twin Study

P50 MH079485 (Banich) 4/22/08 – 1/31/13
 NIH/NIMH \$8,712,888 (total costs center)
 Role: Co-I of Project 4 \$968,982 (total costs proj. 4)

IBSC: Determinants of Executive Function and Dysfunction: Project 4: Genetic Mechanisms of Executive Functions

BCS-0847872 (Ito) 7/15/09 – 6/30/12
 NSF \$789,339 (total costs)
 Role: Co-PI

Collaborative Research: Individual Differences in Executive Functions and Expressions of Racial Biases

R01 HD050346 (Rhee) 9/01/07 – 6/30/12
 NIH/NICHD \$1,562,272 (total costs)
 Role: Co-I

Testing a Developmental Model of Conduct Problems

Friedman PI 3/01/07 – 2/29/09
 Henry Ford Hospital Sleep Center \$152,313 (total costs)
 Role: PI

Individual Differences in Sleep Problems

R03 MH075814 (Friedman) 6/01/06 – 5/31/08
 NIH/NIMH \$146,849 (total costs)
 Role: PI

Longitudinal Effects of Sleep Problems on Cognition

R56 MH063207 (Hewitt) 6/01/06 – 5/31/08
 NIH/NIMH \$146,849 (total costs)
 Role: Co-I

Executive Functions and Self-Regulation: A Twin Study

Consultant/advisory board

Consultant on R01 AA023974 (Vrieze). Social Media, Online Measures, and Substance Use Development in Adolescent Twins. NIH/NIAAA. 9/25/14 – 8/30/17. \$1,703,861 (total costs).

Advisory Board Member (0.1 AY) on HRD-1251590 (Ito). Broadening Women's Participation in STEM: The Critical Role of Belonging. NSF. 9/01/13 – 8/31/18 (estimated). \$1,030,439 (total costs).

Publications

‡indicates senior authorship on last-authored papers

underlined names are mentored students (post-doc, graduate, or undergraduate)

Peer-Reviewed Journal Articles

1. ‡Reineberg, A. E., Banich, M. T., Wager, T. D., & **Friedman, N. P.** (2022). Context-specific activations are a hallmark of the neural basis of individual differences in general executive function. *NeuroImage*, 249, 118845. <https://doi.org/10.1016/j.neuroimage.2021.118845>. PMCID: NIHMS1771773.
2. Gustavson, D. E., Reynolds, C. A., Corley, R. A., Wadsworth, S. J., Hewitt, J. K., & **Friedman, N. P.** (in press). Genetic associations between executive functions and intelligence: A combined twin and adoption study. *Journal of Experimental Psychology: General*. <http://dx.doi.org/10.1037/xge0001168>. PMCID: NIHMS1758812.
3. Smolker, H. R., Wang, K., Luciana, M., Bjork, J. M., Gonzalez, R., Barch, D. M., McGlade, E. C., Kaiser, R. H., **Friedman, N. P.**, Hewitt, J. K., & Banich, M. T. (2022). The Emotional Word-Emotional Face Stroop task in the ABCD study: Psychometric validation and associations with measures of cognition and psychopathology. *Developmental Cognitive Neuroscience*, 53,

101054. <https://doi.org/10.1016/j.dcn.2021.101054>. PMID: PMC8717459.
4. **Friedman, N. P.**, & Robbins, T. W. (2022). The role of prefrontal cortex in cognitive control and executive function. *Neuropsychopharmacology*, *47*, 72-89. (Special Issue: Volume XV of *Neuropsychopharmacology Reviews: The Prefrontal Cortex*.) <https://doi.org/10.1038/s41386-021-01132-0>. PMID: PMC8617292.
 5. [‡]**Freis, S. M.**, **Morrison, C. L.**, Lessem, J. M., Hewitt, J. K., & **Friedman, N. P.** (2022). Genetic and environmental influences on executive functions and intelligence in middle childhood. *Developmental Science*, *25*, e13150. <https://doi.org/10.1111/desc.13150>. PMID: PMC8639807.
 6. Zhou, S., Li, Y., Chi, G. Yin, J., Oravec, Z., Bodovski, Y., **Friedman, N. P.**, Vrieze, S. I., & Chow, S.-M. (2021). GPS2space: An open-source Python library for spatial measure extraction from GPS data. *Journal of Behavioral Data Science*, *1*, 127-155. <https://doi.org/10.35566/jbds/v1n2/p5>. PMID: NIHMS1771828.
 7. Gustavson, D. E., **Friedman, N. P.**, Stallings, M. C., Reynolds, C. A., Coon, H., Corley, R. P., Hewitt, J. K., Wadsworth, S., & Gordon, R. L. (2021). Musical instrument engagement in adolescence predicts verbal ability four years later: A twin and adoption study. *Developmental Psychology*, *57*, 1943-1957. <https://doi.org/10.1037/dev0001245>. PMID: In Process.
 8. **Friedman, N. P.**, Banich, M. T., & Keller, M. C. (2021). Twin studies to GWAS: There and back again. *Trends in Cognitive Sciences*, *21*, 855-869. <https://doi.org/10.1016/j.tics.2021.06.007>. PMID: PMC8446317.
 9. Colbert, S. M. C., Funkhouser, S. A., Johnson, E. C., **Morrison, C. L.**, Hoeffler, C., **Friedman, N. P.**, Ehringer, M. A., & Evans, L. M. (2021). Novel characterization of the multivariate genetic architecture of internalizing psychopathology and alcohol use. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, *186B*, 353-366. <https://doi.org/10.1002/ajmg.b.32874> PMID: PMC8556277.
 10. Lisdahl, K. M., Tapert, S., Sher, K. J., [109 others, including **Friedman, N. P.**], & Heitzeg, M. M. (2021). Substance use patterns in 9-10 year olds: Baseline findings from the adolescent brain cognitive development (ABCD) study. *Drug and Alcohol Dependence*, *227*, 108946. <https://doi.org/10.1016/j.drugalcdep.2021.108946>. (ABCD Consortium paper). PMID: NIHMS1770540.
 11. Risner, V. A., Benca-Bachman, C. E., Bertin, L., Smith, A. K., Kaprio, J., McGeary, J. E., Chesler, E., Knopik, V., **Friedman, N. P.**, & Palmer, R. H. C. (2021). Multi-polygenic analysis of nicotine dependence in individuals of European ancestry. *Nicotine & Tobacco Research*, *23*, 2102-2109. <https://doi.org/10.1093/ntr/ntab105>. PMID: PMC8570665.
 12. Menardi, A., **Reineberg, A. E.**, Vallesi, A., **Friedman, N. P.**, Banich, M. T., & Santarnecchi, E. (2021). Heritability of brain resilience to perturbation in humans. *NeuroImage*, *235*, 118013. <https://doi.org/10.1016/j.neuroimage.2021.118013>. PMID: PMC8192441.
 13. Chaarani, B., Allgaier, N., [192 others, including **Friedman, N. P.**], Garavan, H. P., & the ABCD Consortium (2021). Baseline brain function in the preadolescents of the ABCD Study. *Nature Neuroscience*, *24*, 1176-1186. (ABCD Consortium paper). <https://doi.org/10.1038/s41593-021-00867-9>. PMID: NIHMS1727067.
 14. [‡]**Morrison, C. L.**, Rhee, S. H., **Smolker, H. R.**, Corley, R. P. Hewitt, J. K., & **Friedman, N. P.**

- (2021). Genetic and environmental influences on stressful life events and their associations with executive functions in young adulthood: A longitudinal twin analysis. *Behavior Genetics*, 51, 30-44. <https://doi.org/10.1007/s10519-020-10017-9>. PMID: PMC7855628.
15. Snyder, H. S., **Friedman, N. P.**, & Hankin, B. L. (2021). Associations between task performance and self-report measures of cognitive control: Shared vs. distinct abilities. *Assessment*, 28, 1080-1096. <https://doi.org/10.1177/1073191120965694>. PMID: PMC8058111.
 16. Ellingson, J. M., Ross, J. M., Winiger, E., Stallings, M. C., Corley, R. P., **Friedman, N. P.**, Hewitt, J. K., Tapert, S. F., Brown, S. A., Wall, T. L., & Hopfer, C. J. (2021). Familial factors may not explain the link between heavy adolescent cannabis use and cognitive functioning in adolescents: A sibling-comparison study. *Addiction*, 116, 833-844. <https://doi.org/10.1111/add.15207>. PMID: PMC7925696.
 17. Rhee, S. H., Woodward, K., Corley, R. P., du Pont, A., **Friedman, N. P.**, Hewitt, J. K., Hink, L. K., Robinson, J., & Zahn-Waxler, C. (2021). The association between toddlerhood empathy deficits and antisocial personality disorder and psychopathy in adulthood. *Development and Psychopathology*, 33, 173-183. <https://doi.org/10.1017/S0954579419001676>. PMID: PMC7483195.
 18. **Friedman, N. P.**, Rhee, S. H., Ross, J. M., Corley, R. P., & Hewitt, J. K. (2021). Genetic and environmental relations of executive functions to antisocial personality disorder symptoms and psychopathy. *International Journal of Psychophysiology*, 163, 67-78. (Special issue: Inhibitory Control). <https://doi.org/10.1016/j.ijpsycho.2018.12.007>. PMID: PMC6581644.
 19. Gustavson, D. E., **Friedman, N. P.**, Fontanillas, P., Elson, S. L., the 23andMe Research Team, Palmer, A. A., & Sanchez-Roige, S. (2020). The latent genetic structure of impulsivity and its relation to internalizing psychopathology. *Psychological Science*, 31, 1025-1035. <https://doi.org/10.1177/0956797620938160>. PMID: PMC7427138.
 20. Winiger, E. A., Huggett, S. B., Hatoum, A. S., **Friedman, N. P.**, Drake, C. L., & Wright, K. P. Jr., & Hewitt, J. K. (2020). Onset of regular cannabis use and young adult insomnia: An analysis of shared genetic liability. *Sleep*, 43, zsz293. <http://doi.org/10.1093/sleep/zsz293>. PMID: PMC7368342.
 21. [‡]du Pont, A., Karbin, Z. R., Rhee, S. H., Corley, R. P., Hewitt, J. K., & **Friedman, N. P.** (2020). Differential associations between rumination and intelligence subtypes. *Intelligence*, 78, 101420. <https://doi.org/10.1016/j.intell.2019.101420>. PMID: PMC7453434.
 22. **Friedman, N. P.**, Hatoum, A. S., Gustavson, D. E., Corley, R. P., Hewitt, J. K., & Young, S. E. (2020). Executive functions and impulsivity are genetically distinct and independently predict psychopathology: Results from two adult twin studies. *Clinical Psychological Science*, 8, 519-538. <https://doi.org/10.1177/2167702619898814>. PMID: PMC7983400.
 23. [‡]Reineberg, A. E., Hatoum, A. S., Hewitt, J. K., Banich, M. T., & **Friedman, N. P.** (2020). Genetic and environmental influence on the human functional connectome. *Cerebral Cortex*, 30, 2099-2113. <https://doi.org/10.1093/cercor/bhz225>. PMID: PMC7175002.
 24. [‡]Ross, J. M., Ellingson, J. M., Rhee, S. H., Hewitt, J. K., Corley, R. P., Lessem, J. M., & **Friedman, N. P.** (2020). Investigating the causal effect of cannabis use on cognitive function with a quasi-experimental co-twin design. *Drug and Alcohol Dependence*, 206, 107712. <https://doi.org/10.1016/j.drugalcdep.2019.107712>. PMID: PMC7179798.

25. †Hatoum, A. S., Reineberg, A. E., Smolker, H. R., Hewitt, J. K., & Friedman, N. P. (2019). Whole-cortex mapping of common genetic influences on depression and social deficits. *Translational Psychiatry*, 9, 299. <https://doi.org/10.1038/s41398-019-0611-6>. PMID: PMC6856353.
26. Hagler, D. J. Jr, Hatton, S. N., [137 others, including **Friedman, N. P.**], Brown, S. A., Jernigan, T. L., & Dale, A. M. (2019). Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. *NeuroImage*, 202, 116091. <https://doi.org/10.1016/j.neuroimage.2019.116091>. (ABCD Consortium paper). PMID: PMC6981278.
27. †du Pont, A., Rhee, S. H., Corley, R. P., Hewitt, J. K., & Friedman, N. P. (2019). Rumination and executive functions: Understanding cognitive vulnerability for psychopathology. *Journal of Affective Disorders*, 256, 550-559. <https://doi.org/10.1016/j.jad.2019.06.026>. PMID: PMC6751021.
28. Reynolds, C. A., Smolen, A., Corley, R. P., Munoz, E., **Friedman, N. P.**, Rhee, S. H., Stallings, M. C., DeFries, J. C., & Wadsworth, S. J. (2019). APOE effects on cognition from childhood to adolescence. *Neurobiology of Aging*, 84, 239.e1-239.e8. <https://doi.org/10.1016/j.neurobiolaging.2019.04.011>. PMID: PMC6800620.
29. Snyder, H. R., **Friedman, N. P.**, & Hankin, B. L. (2019). Transdiagnostic mechanisms of psychopathology in youth: Executive functions, dependent stress, and rumination. *Cognitive Therapy and Research*, 43, 834-851. <https://doi.org/10.1007/s10608-019-10016-z>. PMID: PMC6758936.
30. †du Pont, A., Rhee, S. H., Corley, R. P., Hewitt, J. K., & Friedman, N. P. (2019). Are rumination and neuroticism genetically or environmentally distinct risk factors for psychopathology? *Journal of Abnormal Psychology*, 128, 385-396. <http://dx.doi.org/10.1037/abn0000430>. PMID: PMC7261418.
31. †Gustavson, D. E., Panizzon, M. S., Reynolds, C. A., Corley, R. P., Hewitt, J. K., Lyons, M. J., Kremen, W. S., & Friedman, N. P. (2019). Integrating verbal fluency with executive functions: Evidence from twin studies in adolescence and middle age. *Journal of Experimental Psychology: General*, 148, 2104-2119. <http://dx.doi.org/10.1037/xge0000589>. PMID: PMC6754807.
32. Smith Watts, A. K., **Friedman, N. P.**, Corley, R. P., Hewitt, J. K., Hink, L. K., Robinson, J. L., & Rhee, S. H. (2019). A longitudinal and multidimensional examination of the associations between temperament and self-restraint during toddlerhood. *Child Development*, 90, e901-e920. <https://doi.org/10.1111/cdev.13173>. PMID: PMC6476699.
33. Woodward, K. E., Corley, R. P., **Friedman, N. P.**, Hatoum, A. S., Hewitt, J. K., Huibregtse, B. M., Stallings, M. C., & Rhee, S. H. (2019). Childhood language development and later alcohol use behaviors. *Drug and Alcohol Dependence*, 198, 95-99. <https://doi.org/10.1016/j.drugalcdep.2019.01.040>. PMID: PMC6467720.
34. †Gustavson, D. E., Franz, C. E., Kremen, W. S., Carver, C. S., Corley, R. P., Hewitt, J. K., & Friedman, N. P. (2019). Common genetic influences on impulsivity facets are related to goal management, psychopathology, and personality. *Journal of Research in Personality*, 79, 161-175. <https://doi.org/10.1016/j.jrp.2019.03.009>. PMID: PMC6857631.
35. †Ellingson, J. M., Corley, R. P., Stallings, M. C., Hewitt, J. K. & **Friedman, N. P.** (2019). A

- prospective study of alcohol involvement and the dual-systems model of adolescent risk-taking during late adolescence and emerging adulthood. *Addiction*, 114, 653-661. <https://doi.org/10.1111/add.14489>. PMID: PMC6411436.
36. [‡]Smith, L. L., Banich, M. T., & Friedman, N. P. (2019). Individual differences in mixing costs relate to general executive functioning. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 45, 606-613. <https://dx.doi.org/10.1037/xlm0000613>. PMID: PMC6326899.
 37. Zabelina, D. L., Friedman, N. P., & Andrews-Hanna, J. (2019). Unity and diversity of executive functions in creativity. *Consciousness and Cognition*, 68, 47-56. <https://doi.org/10.1016/j.concog.2018.12.005>. PMID: PMC6594373.
 38. [‡]Reineberg, A. E., Gustavson, D. E., Benca, C.E., Banich, M. R., & Friedman, N. P. (2018). The relationship between resting state network connectivity and individual differences in executive function. *Frontiers in Psychology*, 9, 1600. (Special research topic: Intra- and inter-individual variability of executive functions: Determinant and modulating factors in healthy and pathological conditions). <https://doi.org/10.3389/fpsyg.2018.01600>. PMID: PMC6134071.
 39. Smolker, H. R., Friedman, N. P., Hewitt, J. K., & Banich, M. T. (2018). Neuroanatomical correlates of unity and diversity model of executive functions in young adults. *Frontiers in Human Neuroscience*, 12, 283. (Special research topic: Intra- and inter-individual variability of executive functions: Determinant and modulating factors in healthy and pathological conditions). <https://doi.org/10.3389/fnhum.2018.00283>. PMID: PMC6064948.
 40. Woodward, K. E., Boeldt, D. L., Corley, R. P., DiLalla, L., Friedman, N. P., Hewitt, J. K., Mullineaux, P. Y., Robinson, J. L., & Rhee, S. H. (2018). Correlates of positive parenting behaviors. *Behavior Genetics*, 48, 283-297. <https://doi.org/10.1007/s10519-018-9906-2>. PMID: PMC6281807.
 41. [‡]Hatoum, A. S., Rhee, S. H., Corley, R. P., Hewitt, J. K., & Friedman, N. P. (2018). Etiology of stability and growth of internalizing and externalizing behavior problems across childhood and adolescence. *Behavior Genetics*, 48, 398-314. <https://doi.org/10.1007/s10519-018-9900-8>. PMID: PMC6026557.
 42. Friedman, N. P., du Pont, A., Corley, R. P., & Hewitt, J. K. (2018). Longitudinal relations between depressive symptoms and executive functions from adolescence to early adulthood: A twin study. *Clinical Psychological Science*, 6, 543-560. <https://doi.org/10.1177/2167702618766360>. PMID: PMC6150459.
 43. Rhee, S. H., Friedman, N. P., Smith Watts, A. K., Corley, R. P., Hewitt, J. K., Robinson, J., & Zahn-Waxler, C. (2018). The association between toddlerhood self-control and later externalizing problems. *Behavior Genetics*, 48, 125-134. <https://doi.org/10.1007/s10519-017-9886-7>. PMID: PMC5834389.
 44. Gustavson, D. E., Panizzon, M. S., Elman, J. A., Franz, C. E., Reynolds, C. A., Jacobson, K. C., Friedman, N. P., Xian, H., Toomey, R., Lyons, M. J., & Kremen, W. S. (2018). Stability of genetic and environmental influences on executive functions in midlife. *Psychology and Aging*, 33, 219-231. <https://dx.doi.org/10.1037/pag0000230>. PMID: PMC5905725.
 45. [‡]Hatoum, A. S., Rhee, S. H., Corley, R. P., Hewitt, J. K., & Friedman, N. P. (2018). Do executive functions explain covariance between internalizing and externalizing behaviors? *Development and Psychopathology*, 30, 1371-1387. <https://dx.doi.org/10.1017/S0954579417001602>. PMID: PMC5955761.

46. Gustavson, D. E., Panizzon, M. S., Franz, C. E., **Friedman, N. P.**, Reynolds, C. A., Jacobson, K. C., Xian, H., Lyons, M. J., & Kremen, W. S. (2018). Genetic and environmental architecture of executive functions in midlife. *Neuropsychology*, *32*, 18-30. <https://dx.doi.org/10.1037/neu0000389>. PMID: PMC5814340.
47. †du Pont, A., Rhee, S. H., Corley, R. P., Hewitt, J. K., & **Friedman, N. P.** (2018). Rumination and psychopathology: Are anger and depressive rumination differentially associated with internalizing and externalizing psychopathology? *Clinical Psychological Science*, *6*, 18-31. <https://doi.org/10.1177/2167702617720747>. PMID: PMC5798899.
48. †Gustavson, D. E., du Pont, A., Hatoum, A. S., Rhee, S. H., Kremen, W. S., Hewitt, J. K., & **Friedman, N. P.** (2017). Genetic and environmental associations between procrastination and internalizing/externalizing psychopathology. *Clinical Psychological Science*, *5*, 798-815. <https://doi.org/10.1177/2167702617706084>. PMID: PMC5831260.
49. †Gustavson, D. E., Stallings, M. C., Corley, R. P., Miyake, A., Hewitt, J. K., & **Friedman, N. P.** (2017). Executive functions and substance use: Relations in late adolescence and early adulthood. *Journal of Abnormal Psychology*, *126*, 257-270. <https://dx.doi.org/10.1037/abn0000250>. PMID: PMC5305429.
50. †Benca, C. E., Derringer, J. L., Corley, R. P., Young, S. E., Keller, M. C., Hewitt, J. K., & **Friedman, N. P.** (2017). Predicting cognitive executive functioning with polygenic risk scores for psychiatric disorders. *Behavior Genetics*, *47*, 11-24. <https://dx.doi.org/10.1007/s10519-016-9814-2>. PMID: PMC5225028.
51. **Friedman, N. P.**, & Miyake, A. (2017). Unity and diversity of executive functions: Individual differences as a window on cognitive structure. *Cortex*, *86*, 186-204. <https://doi.org/10.1016/j.cortex.2016.04.023>. PMID: PMC5104682.
52. **Friedman, N. P.** (2016). Research on individual differences in executive functions: Implications for the bilingual advantage hypothesis. *Linguistic Approaches to Bilingualism*, *6*, 535-548. (Special Issue: *Bilingualism and Executive Function*.) <https://doi.org/10.1075/lab.15041.fri>. PMID: PMC5172591.
53. Johnson, D. P., Rhee, S. H., **Friedman, N. P.**, Corley, R. P., Munn-Chernoff, M. A., Hewitt, J. K., & Whisman, M. A. (2016). A twin study examining rumination as a transdiagnostic risk factor for psychopathology. *Clinical Psychological Science*, *4*, 971-987. <https://doi.org/10.1177/2167702616638825>. PMID: PMC5241110.
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- M., & Hewitt, J. K. (2007). College attendance and its effect on drinking behaviors in a longitudinal study of adolescents. *Alcoholism: Clinical and Experimental Research*, 31, 1020-1030. <https://doi.org/10.1111/j.1530-0277.2007.00383.x>.
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80. **Friedman, N. P.**, & Miyake, A. (2005). Comparison of four scoring methods for the reading span test. *Behavior Research Methods*, 37, 581-590. <https://dx.doi.org/10.3758/BF03192728>.
81. **Friedman, N. P.**, & Miyake, A. (2004). The reading span test and its predictive power for reading comprehension ability. *Journal of Memory and Language*, 51, 136-158. <https://doi.org/10.1016/j.jml.2004.03.008>.
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83. Miyake, A., **Friedman, N. P.**, Rettinger, D. A., Shah, P., & Hegarty, M. (2001). How are visuospatial working memory, executive functioning, and spatial abilities related? A latent variable analysis. *Journal of Experimental Psychology: General*, 130, 621-640. <https://dx.doi.org/10.1037/0096-3445.130.4.621>.
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85. Miyake, A., Emerson, M. J., & **Friedman, N. P.** (2000). Assessment of executive functions in clinical settings: Problems and recommendations. *Seminars in Speech and Language*, 21, 169-183. <https://dx.doi.org/10.1055/s-2000-7563>.
86. **Friedman, N. P.**, & Miyake, A. (2000). Differential roles for visuospatial and verbal working memory in situation model construction. *Journal of Experimental Psychology: General*, 129, 61-83. <https://dx.doi.org/10.1037/0096-3445.129.1.61>.
87. Miyake, A., Emerson, M. J., & **Friedman, N. P.** (1999). Good interactions are hard to find. *Behavioral and Brain Sciences*, 22, 108-109. Invited commentary on D. Caplan & G. S. Waters, Verbal working memory and sentence comprehension. *Behavioral and Brain Sciences*, 22, 77-126. <https://dx.doi.org/10.1017/S0140525X99371788>.

Non-Peer-Reviewed Journal Articles

1. **Friedman, N. P.** & Banich, M. T. (2019). Questionnaires and task-based measures assess different aspects of self-regulation: Both are needed. *Proceedings of the National Academy of Sciences of the United States of America*, 116, 24396-24397. (Letter to the editor). <https://doi.org/10.1073/pnas.1915315116>. PMID: PMC6900513.

Book Chapters

1. Miyake, A., & **Friedman, N. P.** (1998). Individual differences in second language proficiency:

Working memory as “language aptitude.” In A. F. Healy & L. E. Bourne, Jr. (Eds.), *Foreign language learning: Psycholinguistic studies on training and retention* (pp. 339-364). Mahwah, NJ: Erlbaum.

2. **Friedman, N. P.** (2019). Research on individual differences in executive functions: Implications for the bilingual advantage hypothesis. In I. A. Sekerina, L. Spradlin, & V. Valian (Eds.), *Bilingualism, executive function, and beyond: Questions and insights* (pp. 207-220). Mahwah, NJ: Philadelphia, PA: John Benjamins Publishing Company. <https://doi.org/10.1075/sibil.57.13fri>
Note: this is a reprinting of the peer-reviewed journal article with the same title listed above.

Manuscripts Submitted for Publication

1. †**Freis, S.M., Morrison, C.L., Smolker, H.R., Banich, M.T., Kaiser, R.H., Hewitt, J.K., & Friedman, N.P.** (2022). *Executive functions and impulsivity as transdiagnostic correlates of psychopathology in childhood: A behavioral genetic analysis*. Manuscript submitted for publication (will be submitted by 1/31/2022).
2. Peterson, E. C., Snyder, H. R., Nielson, C., Rosenberg, B. M., Hough, C. M., Sandman, C. F., Ohanian, L., Garcia, S. Kotz, J., Finegan, J., Ryan, C. A., Gyimah, A., Sileo, S., Miklowitz, D. J., **Friedman, N. P.**, & Kaiser, R. H. (2021). *General and specific dimensions of mood symptoms are associated with impairments in common executive function*. Manuscript submitted for publication.
3. Kaiser, R. H., Peterson, E. C., Moser, A., Nielson, C., Hough, C. M., Rosenberg, B. M., Sandman, C. F., Schneck, C., & **Friedman, N. P.** (2021). *Mood symptom dimensions and developmental differences in neurocognition in adolescence*. Manuscript submitted for publication.
4. Li, Y., Oravecz, Z., Zhou, S., Bodovski, Y., Barnett, I. J., Chi, G., Zhou, Y., **Friedman, N. P.**, Vrieze, S., & Chow, S-M. (accepted with revision). Bayesian forecasting with a regime-switching zero-inflated multilevel Poisson regression model: An application to adolescent alcohol use with spatial covariates. *Psychometrika*.
5. **Friedman, N. P.**, & Gustavson, D. E. (2022). *Do rating and task measures of control abilities assess the same thing?* Manuscript submitted for publication.
6. †**Hatoum, A. S., Mitchell, E. C., Morrison, C. L., Evans, L. M., Keller, M. C., & Friedman, N. P.** (2021). *Genome-wide association study shows that executive functioning is influenced by GABA and is a neurocognitive genetic correlate of psychopathology*. Manuscript submitted for publication. *bioRxiv*, 674515. <https://www.biorxiv.org/content/10.1101/674515v2>
7. †**Hatoum, A. S., Reineberg, A. E., Kragel, P. A., Wager, T. D., & Friedman, N. P.** (2019). *Inferring the genetic influences on psychological traits using MRI connectivity predictive models: Demonstration with cognition*. Manuscript submitted for publication. *bioRxiv*, 777821. <https://www.biorxiv.org/content/10.1101/777821v1>

Invited Talks

1. **Friedman, N. P.** (May, 2021). *Insights into executive functions from individual differences analyses*. Invited talk to the Department of Psychology at the University of Bonn, Germany,

online.

2. **Friedman, N. P.** (May, 2021). *Neural and genetic individual differences in executive functions*. Invited talk to the Neuroscience Research Group at the University of Denver, online.
3. **Friedman, N. P.** (November, 2017). *Development and structure of executive function abilities*. Invited keynote lecture at the 21st Annual meeting of the Norwegian Neuropsychological Society, Stavanger, Norway.
4. **Friedman, N. P.** (December, 2015). *Development of individual differences in executive functions*. Invited talk presented at the "NIH Workshop on Behavioral and Psychological Phenotyping to Understand Differences in Physical Activity and Sedentary Behavior Affecting Weight Management," Bethesda, MD.
5. **Friedman, N. P.** (September, 2015). *Genetic influences on attentional control and working memory*. Invited talk presented at the "Attention and working memory: Commonalities and differences" symposium at the 19th European Society for Cognitive Psychology (ESCoP) conference, Paphos, Cyprus.
6. **Friedman, N. P.** (May, 2015). *What is (are) executive function(s)? Insights from individual differences research*. Invited talk presented at the "Workshop on Bilingualism and Executive Function: An Interdisciplinary Approach," New York, NY.
7. **Friedman, N. P.**, & Wright, K. P. Jr. (June, 2014). *Sleep and cognitive development*. Invited talk presented at the "Colorado Sleep and Circadian Research Symposia," Boulder, CO.
8. **Friedman, N. P.**, Miyake, A., Ito, T. A., Altamirano, L. J., Bartholow, B. D., & Correll, J. (June, 2011). *Individual differences in executive functions and expressions of racial biases*. Invited talk presented at the "Symposium on Implicit Racial Bias," Columbia, MO.
9. **Friedman, N. P.** (April, 2011). *The unity and diversity of executive functions: Genetic influences and correlates*. Invited talk to the Neuroscience Research Group at the University of Denver, Denver, CO.
10. **Friedman, N. P.** (March 2010). *Genetic influences on the unity and diversity of executive functions*. Invited talk presented at the UCLA seminar on phenomics and neurogenetics, Los Angeles, CA.
11. **Friedman, N. P.** (January 2010). *Genetic influences on the unity and diversity of executive functions*. Invited talk presented at the 2nd annual Conference on Executive Function, Boulder, CO.
12. **Friedman, N. P.**, Miyake, A., Young, S. E., Corley, R. P., Haberstick, B. C., Willcutt, E. G., DeFries, J. C., & Hewitt, J. K. (June 2009). Unity and diversity of executive functions in the longitudinal twin study. *Behavior Genetics*, 39, 652. Invited talk for the "Cognition and modularity" symposium at the 39th annual meeting of the Behavior Genetics Association, Minneapolis, MN.
13. Miyake, A., **Friedman, N. P.**, & Saito, S. (July 2003). *Individual differences in working memory span tasks: The role of attention in encoding and retrieval*. Invited talk presented at the "Variation in Working Memory" conference, Chicago, IL.

Conference Presentations

Presented

1. **Friedman, N. P.**, Rhee, S. H., Ross, J. M., Corley, R. P., & Hewitt, J. K. (June, 2018). Genetic and environmental relations of executive functions to antisocial personality symptoms and psychopathology. *Behavior Genetics*, *48*, 470-471. Talk presented at the 48th annual meeting of the Behavior Genetics Association, Boston, MA.
2. **Friedman, N. P.**, Gustavson, D. E., Corley, R. P., Stallings, M. C., & Hewitt, J. K. (June, 2015). Stability and change in the relations among executive functions and substance use and dependence from late adolescence to early adulthood. *Behavior Genetics*, *45*, 656. Talk presented at the 45th annual meeting of the Behavior Genetics Association, San Diego, CA.
3. **Friedman, N. P.**, Rhee, S. H., Corley, R. P., Lessem, J. M., Stallings, M. C., Young, S. E., Wadsworth, S. J., & Hewitt, J. K. (June, 2014). Marijuana use and impaired cognitive ability. *Behavior Genetics*, *44*, 659. Talk presented at the 44th annual meeting of the Behavior Genetics Association, Charlottesville, VA.
4. **Friedman, N. P.**, & Hewitt, J. K. (June, 2013). Do working memory span and updating tasks measure the same thing? A twin study. *Behavior Genetics*, *43*, 518. Talk presented at the 43rd annual meeting of the Behavior Genetics Association, Marseille, France.
5. **Friedman, N. P.**, Altamirano, L. J., Miyake, A., Young, S. E., Corley, R. P., & Hewitt, J. K. (June, 2012). Etiology of stability and change in executive functions from late adolescence to adulthood. *Behavior Genetics*, *42*, 934. Talk presented at the 42nd annual meeting of the Behavior Genetics Association, Edinburgh, Scotland.
6. **Friedman, N. P.**, Roth, T., Wright, K. P., & Drake, C. L. (June 2009). Genetic and environmental relations between insomnia and intrusive thinking: The contribution of sleep reactivity to stress. *Sleep*, *32*, A255, Suppl. S. Talk presented at the 23rd annual meeting of the Associated Professional Sleep Societies, Seattle, WA.
7. **Friedman, N. P.**, Miyake, A., Young, S. E., Haberstick, B. C., Willcutt, E. G., & Hewitt, J. K. (January 2009). *Executive functions in the longitudinal twin study*. Poster presented at the 1st annual Conference on Executive Function, Boulder, CO.
8. **Friedman, N. P.**, Roth, T., Wright, K. P., & Drake, C. L. (June 2008). Sleep reactivity to stress and insomnia: Genetic and environmental contributions. *Sleep*, *31*, A231. Talk presented at the 22nd annual meeting of the Associated Professional Sleep Societies, Baltimore, MA.
9. **Friedman, N. P.**, & Wright, K. P. (June 2008). Individual differences in childhood sleep problems predict cognitive executive functioning in late adolescence. *Sleep*, *31*, A371. Talk presented at the 22nd annual meeting of the Associated Professional Sleep Societies, Baltimore, MA.
10. **Friedman, N. P.**, Miyake, A., Hewitt, J. K., Young, S. E., DeFries, J. C., & Corley, R. (November 2003). *The relations between specific and general executive function abilities, IQ, and working memory: A latent variable analysis*. Poster presented at the 42nd annual meeting of the Psychonomic Society, Vancouver, Canada.
11. **Friedman, N. P.**, & Miyake, A. (November 2002). *The relations among inhibition and interference control processes: A latent variable analysis*. Poster presented at the 41st annual meeting of the Psychonomic Society, Kansas City, MO.
12. Miyake, A., **Friedman, N. P.**, Emerson, M. J., Witzki, A. H., Howerter, A., & Wager, T. (June 1999). *The unity and diversity of executive functions: A latent variable approach*. Poster presented at the 11th annual meeting of the American Psychological Society, Denver, CO.

13. **Friedman, N. P.**, & Miyake, A. (November 1998). *Differential roles for visuospatial and verbal working memory in situation model construction*. Poster presented at the 37th annual meeting of the Psychonomic Society, Dallas, TX.

Contributed

1. Zorina-Lichtenwalter, K., Bango, C., Keller, M. C., Van Oudenhove, L., Čeko, M., Lindquist, M. A., **Friedman, N. P.**, & Wager, T. D. (November, 2021). *Shared genetic susceptibility across multiple types of chronic pain implicates brain and neuroendocrine systems*. Poster presented by Katerina Zorina-Lichtenwalter at the 50th annual meeting of the Society for Neuroscience, Online.
2. Petre, B., Čeko, M., **Friedman, N. P.**, Keller, M. C., Lindquist, M. A. & Wager, T. D. (November, 2021). *Resting state fMRI hyperalignment reveals a generalizable fine scale structure of evoked cortical response to noxious stimuli*. Poster presented by Bogdan Petre at the 50th annual meeting of the Society for Neuroscience, Online.
3. Gustavson, D. E., Reynolds, C. A., Corley, R. P., Wadsworth, S. J., Hewitt, J. K., & **Friedman, N. P.** (November, 2021). *Genetic associations between executive functions and intelligence: A combined twin and adoption study*. Poster presented by Dan Gustavson at the 62nd annual meeting of the Psychonomic Society, online.
4. Alexander, J. D., Zhou, Y., Freis, S. M., **Friedman, N. P.**, & Vrieze, S. I. (June, 2021). Individual differences in daily mobility patterns in a genetically informed youth sample. *Behavior Genetics*, 51, 689. Poster presented by Jordan Alexander at the 51st annual meeting of the Behavior Genetics Association, Online.
5. Freis, S. M., Alexander, J. D., Corley, R., Vrieze, S. I., & **Friedman, N. P.** (June, 2021). A behavioral genetic analysis of relationships between executive functions, intelligence, impulsivity, and multiple reports of adolescent behavioral problems. *Behavior Genetics*, 51, 705. Poster presented by Sam Freis at the 51st annual meeting of the Behavior Genetics Association, Online.
6. Morrison, C. L., Keller, M. C., Reynolds, C. A., Wadsworth, S. J., Corley, R. P., & **Friedman, N. P.** (June, 2021). Polygenic prediction of cognitive abilities between and within family members. *Behavior Genetics*, 51, 725-726. Poster presented by Claire Morrison at the 51st annual meeting of the Behavior Genetics Association, Online.
7. Zorina-Lichtenwalter, K., Bango, C., Čeko, M., **Friedman, N. P.**, Keller, M. C., Van Oudenhove, L., Paul, S., & Wager, T. D. (June, 2021). Shared genetic and phenotypic risk factors in pain and psychological conditions. *Behavior Genetics*, 51, 761-762. Poster presented by Katerina Zorina-Lichtenwalter at the 51st annual meeting of the Behavior Genetics Association, Online.
8. Freis, S. M., Morrison, C. L., Lessem, J. M. Hewitt, J. K., & **Friedman, N. P.** (June, 2020). Genetic correlations between executive functions and intelligence in the Adolescent Brain Cognitive Development (ABCD) Study. *Behavior Genetics*, 50, 454. Poster presented by Sam Freis at the 50th annual meeting of the Behavior Genetics Association, Online.
9. Morrison, C. L., Winiger, E. A., Vetter, C., & **Friedman, N. P.** (June, 2020). Latent genetic structure of sleep health and psychopathology. *Behavior Genetics*, 50, 470. Poster presented by Claire Morrison at the 50th annual meeting of the Behavior Genetics Association, Online.
*Won 2020 Rowe award for outstanding research presented by an Associate Member at the annual scientific meeting as a poster.
10. Zorina-Lichtenwalter, K., Čeko, M., Paul, S., **Friedman, N. P.**, Keller, M. C., & Wager, T. D. (June, 2020). Identification and characterization of the common genetic risk factors for chronic pain and psychopathology. *Behavior Genetics*, 50, 490. Poster presented by Katerina Zorina-Lichtenwalter at the 50th annual meeting of the Behavior Genetics Association, Online.
11. Reineberg, A. E., Hatoum, A. S., Hewitt, J. K., Keller, M. C., Evans, L. M., & **Friedman, N. P.** (June,

- 2019). Genetic architecture of functional brain connectivity. *Behavior Genetics*, 49, 550. Talk presented by Andrew Reineberg at the 49th annual meeting of the Behavior Genetics Association, Stockholm, Sweden.
12. Hatoum, A. S., Morrison, C. L., Mitchell, E. C., Evans, L. M., Keller, M., C. & Friedman, N. P. (June, 2019). Discovery of GWAS variants underlying common executive function shows separability of cognitive ability dimensions and implications for health and wellness. *Behavior Genetics*, 49, 515. Talk presented by Alexander Hatoum at the 49th annual meeting of the Behavior Genetics Association, Stockholm, Sweden.
 13. Smolker, H. R., Banich, M. T., Hewitt, J. K., & Friedman, N. P. (June, 2019). The Heritability of behavioral dimensions associated with anxiety and depression. *Behavior Genetics*, 49, 539. Poster presented by Harry Smolker at the 49th annual meeting of the Behavior Genetics Association, Stockholm, Sweden.
 14. Winiger, E. Hewitt, J. K., **Friedman, N. P.**, Huggett, S. B., Hatoum, A. S., Drake, C. L., & Wright, K. P., Jr. (June, 2019). Onset of regular cannabis use and young adult insomnia: An analysis of genetic variation and a predictive relationship using a twin study. *Behavior Genetics*, 49, 493-494. Poster presented by Evan Winiger at the 49th annual meeting of the Behavior Genetics Association, Stockholm, Sweden.
 15. Reineberg, A. E., & Friedman, N. P. (June, 2019). *Shared genetic influences on cognition and functional brain connectivity*. Poster presented by Andrew Reineberg at the 25th annual meeting of the Organization for Human Brain Mapping (OHBM), Rome, Italy.
 16. du Pont, A., Rhee, S. H., & Friedman, N. P. (March, 2019). *Executive functions and psychopathology: Shared genetic risk and relations with rumination*. Talk presented by Alta du Pont at the 39th annual conference of the Anxiety and Depression Association of America, Chicago, IL.
 17. Zhuang, W., **Friedman, N. P.**, & Munakata, Y. (March, 2019). *Context monitoring and inhibitory control in 5-6 year old children*. Poster presented by Winnie Zhuang at the 2019 Biennial Meeting of the Society for Research in Child Development, Baltimore, MD.
 18. Evans, L.M., Border, R., du Pont, A., **Friedman, N.P.**, Johnson, E., Yang, J., Visscher, P., Keller, M.C. (October, 2018). Exploring the genetic architecture of psychiatric disorders using partitioned heritability approaches. *European Neuropsychopharmacology*, S4, S1080. Talk presented by Luke Evans at the World Congress of Psychiatric Genetics (WCPG), Glasgow, Scotland.
 19. du Pont, A., Rhee, S. H., Corley, R. P., Hewitt, J. K., & Friedman, N. P. (June, 2018). Are neuroticism, depressive rumination, and anger rumination genetically distinct? *Behavior Genetics*, 48, 468. Talk presented by Alta du Pont at the 48th annual meeting of the Behavior Genetics Association, Boston, MA.
 20. Reineberg, A. E., Hatoum, A. S., Evans, L. M., Banich, M. T., Hewitt, J. K., & Friedman, N. P. (June, 2018). Genetic and environmental influence on the human functional connectome: Evidence from studies of twins and unrelated individuals. *Behavior Genetics*, 48, 508-509. Talk presented by Andrew Reineberg at the 48th annual meeting of the Behavior Genetics Association, Boston, MA.
 21. Hatoum, A. S., Reineberg, A. E., Evans, L. M., Hewitt, J. K., & Friedman, N. P. (June, 2018). Inferring psychological traits using function MRI connectivity in genetic studies. *Behavior Genetics*, 48, 478-479. Talk presented by Alexander Hatoum at the 48th annual meeting of the Behavior Genetics Association, Boston, MA.
 22. Ross, J. M., Ellingson, J. M., Rhee, S. H., Hewitt, J. K., Corley, R. P., & **Friedman, N. P.** (June, 2018). The impact of cannabis use on intelligence and executive functioning. *Behavior Genetics*, 48, 511. Talk presented by J. Megan Ross at the 48th annual meeting of the Behavior Genetics Association, Boston, MA.
 23. Benca-Bachman, C. E., Wright, K. P., Corley, R. P., Hewitt, J. K., & Friedman, N. P. (June, 2018). Heritability of sleep duration from early adolescence to young adulthood. *Behavior Genetics*, 48, 457.

Talk presented by Chelsie Benca Bachman at the 48th annual meeting of the Behavior Genetics Association, Boston, MA.

24. Snyder, H. R., **Friedman, N. P.**, & Hankin, B. L. (May, 2018). *Links between transdiagnostic psychopathology and executive dysfunction in adolescence and emerging adulthood*. Talk presented by Hannah Snyder at the 30th annual meeting of the Association for Psychological Science, San Francisco, CA.
25. Karbin, Z. R., du Pont, A., & **Friedman, N. P.** (May, 2018). *Differential associations between ruminative subtypes and intelligence*. Poster presented by Zoe Karbin at the 30th annual meeting of the Association for Psychological Science, San Francisco, CA.
26. Smith, L. L., Banich, M. T., & **Friedman, N. P.** (November, 2017). *Contributions of executive function to individual differences in response characteristics and attention problems*. Poster presented by Louisa Smith at the 58th annual meeting of the Psychonomic Society, Vancouver, Canada.
27. Smolker, H. R., **Friedman, N. P.**, & Banich, M. T. (September, 2017). *Distinct and overlapping neuroanatomical correlates of dimensions of anxiety and depression*. Poster presented by Harry Smolker at the annual meeting of the Society for Research in Psychopathology, Denver, CO.
28. Hatoum, A. S., Reineberg, A. R., Smolker, H. R., Hewitt, J. K., Banich, M. T., & **Friedman, N. P.** (September, 2017). *Integrating genetic and surface-based modeling to reveal pathways to common psychiatric variance*. Poster presented by Alex Hatoum at the annual meeting of the Society for Research in Psychopathology, Denver, CO.
29. du Pont, A., Rhee, S. H., Corley, R. P., Hewitt, J. K., & **Friedman, N. P.** (September, 2017). *Rumination and executive functions: Understanding cognitive vulnerability for psychopathology*. Poster presented by Alta du Pont at the annual meeting of the Society for Research in Psychopathology, Denver, CO.
30. Hatoum, A. S., Reineberg, A. E., Smolker, H. R., Hewitt, J. K., & **Friedman, N. P.** (June, 2017). A whole-brain atlas of genetic effects on psychiatric symptomology. *Behavior Genetics*, 47, 694. Talk presented by Alexander Hatoum at the 47th annual meeting of the Behavior Genetics Association, Oslo, Norway.
31. Gustavson, D. E., Panizzon, M. S., Franz, C. E., **Friedman, N. P.**, Reynolds, C. A., Jacobson, K. C., Xian, H., Lyons, M. J., & Kremen, W. S. (June, 2017). Genetic/ environmental architecture and stability of executive functions in midlife. *Behavior Genetics*, 47, 643-644. Talk presented by Daniel Gustavson at the 47th annual meeting of the Behavior Genetics Association, Oslo, Norway.
32. Reynolds, C. A., Corley, R. P., DeFries, J. C., **Friedman, N. P.**, Hewitt, J. K., Plomin, R., Rhee, S. H., Smolen, A., Stallings, M. C., & Wadsworth, S. J. (June, 2017). The Colorado adoption/twin study of lifespan behavioral development and cognitive aging (CATSLife): An introduction. *Behavior Genetics*, 47, 656. Talk presented by Chandra Reynolds at the 47th annual meeting of the Behavior Genetics Association, Oslo, Norway.
33. Reineberg, A. E., Banich, M. T., & **Friedman, N. P.** (June, 2017). *Functional connectivity while recovering from a recent mental task set*. Poster presented by Andrew Reineberg at the 23rd annual meeting of the Organization for Human Brain Mapping, Vancouver, Canada.
34. Woodward, K. E., Corley, R. P., du Pont, A., **Friedman, N. P.**, Hewitt, J. K., Hink, L., Robinson, J. L., Zahn-Waxler, C., & Rhee, S. H. (April, 2017). *Early concern and disregard for others during toddlerhood: Links to antisocial personality and psychopathy in adulthood*. Talk presented by Kerri Woodward at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, TX.
35. Smith, L. L., Banich, M. T., & **Friedman, N. P.** (March, 2017). *Individual differences in mixing costs relate to general executive function*. Poster presented by Louisa Smith at the 24th annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
36. Woodward, K. E., Fritz, M., Corley, R. P., **Friedman, N. P.**, Hewitt, J. K., & Rhee, S. H. (June, 2016). The

- association between marijuana use and depression. *Behavior Genetics*, 46, 814. Talk presented by Kerri Woodward at the 46th annual meeting of the Behavior Genetics Association, Brisbane, Australia.
37. Gustavson, D. E., du Pont, A., Rhee, S. H., Corley, R. P., Hewitt, J. K., & **Friedman, N. P.** (June, 2016). Genetic and environmental associations between procrastination and internalizing/externalizing problems. *Behavior Genetics*, 46, 785. Talk presented by Daniel Gustavson at the 46th annual meeting of the Behavior Genetics Association, Brisbane, Australia.
 38. Hatoum, A. S., Gustavson, D. E., Rhee, S. H., Corley, R., Hewitt, J. K., & **Friedman, N. P.** (June, 2016). Do executive functioning and impulsivity predict overlapping variation in problem behaviors? *Behavior Genetics*, 46, 787. Poster presented by Alexander Hatoum at the 46th annual meeting of the Behavior Genetics Association, Brisbane, Australia.
 39. du Pont, A., Rhee, S. H., Corley, R. P., Hewitt, J. K., & **Friedman, N. P.** (May, 2016). *Anger and depressive rumination: Factor structure and gender differences*. Poster presented by Alta du Pont at the 28th annual meeting of the Association for Psychological Science, Chicago, IL.
 40. Hatoum, A. S., Rhee, S. H., Corley, R. P., Hewitt, J. K., & **Friedman, N. P.** (October, 2015). *Genetic and environmental etiologies of internalizing and externalizing behavior problem trajectories*. Poster presented by Alexander Hatoum at the 6th annual Integrating Genetics and the Social Sciences conference, Boulder, CO.
 41. Hatoum, A. S., Rhee, S. H., Hewitt, J. K., Corley, R. P., & **Friedman, N. P.** (October, 2015). *Testing the hypothesis of internalizing and externalizing causality with longitudinal behavioral genetic data*. Poster presented by Alexander Hatoum at the annual meeting of the Society for Research in Psychopathology, New Orleans, LA.
 42. Gustavson, D. E., Miyake, A., Hewitt, J. K., & **Friedman, N. P.** (June, 2015). Understanding the cognitive and genetic underpinnings of procrastination: Evidence for shared genetic influences with goal management and executive function abilities. *Behavior Genetics*, 45, 659-660. Talk presented by Daniel Gustavson at the 45th annual meeting of the Behavior Genetics Association, San Diego, CA.
 43. Woodward, K. E., Corley, R. P., **Friedman, N. P.**, Hatoum, A. S., Hewitt, J. K., Huibregtse, B., Rhee, S. H., & Stallings, M. C. (June, 2015). Child language development and later alcohol use behaviors. *Behavior Genetics*, 45, 693-694. Talk presented by Kerri Woodward at the 45th annual meeting of the Behavior Genetics Association, San Diego, CA.
 44. Hatoum, A. S., Rhee, S. H., Corley, R. P., Hewitt, J. K., & **Friedman, N. P.** (June, 2015). Genetic variance in executive functioning accounts for some of the comorbidity in internalizing and externalizing behavior. *Behavior Genetics*, 45, 661. Talk presented by Alexander Hatoum at the 45th annual meeting of the Behavior Genetics Association, San Diego, CA.
 45. Benca, C. E., Derringer, J., Corley, R. P., Hewitt, J. K., & **Friedman, N. P.** (June, 2015). Predicting neural correlates of executive functioning with genetic risk scores for psychiatric disorders. *Behavior Genetics*, 45, 643-644. Talk presented by Chelsie Benca at the 45th annual meeting of the Behavior Genetics Association, San Diego, CA.
 46. Gustavson, D. E., Miyake, A., Hewitt, J. K., & **Friedman, N. P.** (June, 2014). Genetic relations among procrastination, impulsivity, and goal-management ability. *Behavior Genetics*, 44, 661. Talk presented by Daniel Gustavson at the 44th annual meeting of the Behavior Genetics Association, Charlottesville, VA.
 47. Benca, C. E., Derringer, J., Corley, R. P., Hewitt, J. K., & **Friedman, N. P.** (June, 2014). Predicting executive functioning with genetic risk scores for psychiatric disorders. *Behavior Genetics*, 44, 647-648. Talk presented by Chelsie Benca at the 44th annual meeting of the Behavior Genetics Association, Charlottesville, VA.
 48. Woodward, K. E., Boeldt, D. L., Corley, R. P., DiLalla, L. F., **Friedman, N. P.**, Hewitt, J. K., Mullineaux, P., Robinson, J. L., & Rhee, S. H. (June, 2014). Gene-environment correlation as predictive of positive

- parenting behaviors. *Behavior Genetics*, 44, 688-689. Talk presented by Kerri Woodward at the 44th annual meeting of the Behavior Genetics Association, Charlottesville, VA.
49. Gustavson, D. E., Miyake, A., Hewitt, J. K., & **Friedman, N. P.** (March, 2014). *Genetic relations among procrastination, impulsivity, and goal-management ability: Implication for the evolutionary origin of procrastination*. Poster presented by Daniel Gustavson at the 2014 International Workshop on Statistical Genetic Methods for Human Complex Traits, Boulder, CO.
 50. Kerr, G. T., Altamirano, L. J., **Friedman, N. P.**, Miyake, A., Correll, J., Bartholow, B. D., & Ito, T. A. (February, 2014). *Understanding conflict monitoring during an implicit racial bias task: The relationship between error-related negativities, executive functioning, and control*. Poster presented by Geoffrey Kerr at the 15th annual meeting of the Society for Personality and Social Psychology, Austin, TX.
 51. Smith, A. K., Rhee, S. H., **Friedman, N. P.**, Corley, R. P., Hewitt, J. K., & Robinson, J. L. (June, 2013). The longitudinal association between temperament in toddlerhood and executive functions in late adolescence. *Behavior Genetics*, 43, 541-542. Talk presented by Ashley Smith at the 43rd annual meeting of the Behavior Genetics Association, Marseille, France.
 52. Altamirano, L. J., Hewitt, J. K., & **Friedman, N. P.** (June, 2013). Phenotypic and genetic relationships among short-term memory, working memory, and intelligence. *Behavior Genetics*, 43, 506. Poster presented by Lee Altamirano at the 43rd annual meeting of the Behavior Genetics Association, Marseille, France.
 53. Benca, C. E., **Friedman, N. P.**, Derringer, J., Corley, R. P., Young, S. E., & Hewitt, J. K. (June, 2013). Predicting individual differences in executive functions with a genetic risk score for behavioral disinhibition. *Behavior Genetics*, 43, 508-509. Poster presented by Chelsie Benca at the 43rd annual meeting of the Behavior Genetics Association, Marseille, France.
 54. Smith, A. K., Rhee, S. H., **Friedman, N. P.**, Corley, R. P., Hewitt, J. K., Hink, L., & Robinson, J. L. (April, 2013). *The Developmental association between temperament and self restraint in toddlerhood*. Poster presented by Ashley Smith at the 2013 biennial meeting of the Society for Research in Child Development, Seattle, WA.
 55. Kerr, G. T., Altamirano, L. J., **Friedman, N. P.**, Miyake, A., Correll, J., Bartholow, B. D., & Ito, T. A. (January, 2013). *Making an effort: 1/f noise in a racial bias task correlates with executive function and motivation to control prejudice*. Poster presented by Geoffrey Kerr at the 14th annual Meeting of the Society for Personality and Social Psychology, New Orleans, LA.
 56. Hink, L. K., Rhee, S. H., Smith, A. K., Corley, R. P., **Friedman, N. P.**, Hewitt, J. K., & Robinson, J. L. (June, 2012). Genetic and environmental influences on the association between temperament in toddlerhood and personality in adolescence. *Behavior Genetics*, 42, 938. Talk presented by Laura Hink at the 42nd annual meeting of the Behavior Genetics Association, Edinburgh, Scotland.
 57. Johnson, D. P., Whisman, M. A., Miyake, A., Altamirano, L. J., Hewitt, J. K., & **Friedman, N. P.** (June, 2012). Genetic and environmental influences on rumination and depression. *Behavior Genetics*, 42, 942. Talk presented by Daniel Johnson at the 42nd annual meeting of the Behavior Genetics Association, Edinburgh, Scotland.
 58. Rhee, S. H., Corley, R. P., **Friedman, N. P.**, Hewitt, J. K., Hink, L. K., Johnson, D. P., Lahey, B. B., Robinson, J. L., Smith, A. K., Waldman, I. D., Young, S. E., & Zahn-Waxler, C. (June, 2012). Testing a developmental propensity model of conduct problems. *Behavior Genetics*, 42, 963-964. Talk presented by Soo Rhee at the 42nd annual meeting of the Behavior Genetics Association, Edinburgh, Scotland.
 59. Smith, A. K., Rhee, S. H., **Friedman, N. P.**, Corley, R. P., Hewitt, J. K., & Robinson, J. L. (June, 2012). Genetic and environmental influences on the association between temperament and self-restraint in toddlerhood. *Behavior Genetics*, 42, 968. Talk presented by Ashley Smith at the 42nd annual meeting of the Behavior Genetics Association, Edinburgh, Scotland.

60. Vandever, J. M., **Friedman, N. P.**, Corley, R. P., Miyake, A., Young, S. E., Hewitt, J. K., & Stallings, M. C. (June, 2012). The role of executive functioning in the progression from substance use to dependence. *Behavior Genetics*, 42, 974. Poster presented by Joanna Vandever at the 42nd annual meeting of the Behavior Genetics Association, Edinburgh, Scotland.
61. Kerr, G. T., Altamirano, L. J., **Friedman, N. P.**, Miyake, A., Correll, J., Bartholow, B. D., & Ito, T. A. (January, 2012). *Executive function predicts controlled processing during implicit racial bias tasks*. Poster presented by Geoffrey Kerr at the 13th annual Meeting of the Society for Personality and Social Psychology, San Diego, CA.
62. Ito, T. A., Correll, J., Bartholow, B. D., **Friedman, N. P.**, Miyake, A., & Altamirano, L. J. (January 2012). *Implicit racial bias is more than automatic associations: The role of executive function*. Talk presented by Tiffany Ito at the 13th annual meeting of the Society of Personality and Social Psychology, San Diego, CA.
63. Vandever, J. M., **Friedman, N. P.**, Young, S. E., Miyake, A., Corley, R. P., Hewitt, J. K., & Stallings, M. C. (September 2011). *From regular substance use to substance dependence: The role of executive functioning and related genetic influences*. Poster presented by Joanna Vandever at the XIXth World Congress on Psychiatric Genetics, Washington, DC.
64. Smith, A. K., Rhee, S. H., Corley, R. P., **Friedman, N. P.**, Hewitt, J. K., Hink, L., & Robinson, J. L. (June 2011). The magnitude of genetic and environmental influences on parental and observational measures of behavioral inhibition in toddlerhood. *Behavior Genetics*, 41, 936. Talk presented by Ashley Smith at the 41st annual meeting of the Behavior Genetics Association, Newport, RI.
65. Rhee, S. H., Boeldt, D. L., Corley, R. P., DiLalla, E., **Friedman, N. P.**, Hewitt, J. K., Lahey, B. B., Mullineaux, P., Robinson, J. L., Smith, A. K., Waldman, I., & Young, S. E. (June 2011). The role of early cognitive ability and positive parenting on antisocial behavior. *Behavior Genetics*, 41, 933. Talk presented by Soo Rhee at the 41st annual meeting of the Behavior Genetics Association, Newport, RI.
66. Herd, S. A., **Friedman, N. P.**, Chatham, C. H., Hazy, T. E., Brant, A. M., & O'Reilly, R. C. (April 2011). *Towards neural network models linking genetics to individual differences in executive functions*. Poster presented by Seth Herd at the 18th annual meeting of the Cognitive Neuroscience Society, San Francisco, CA
67. Vandever, J. M., Miyake, A., Young, S. E., **Friedman, N. P.**, Corley, R. P., Hewitt, J. K., & Stallings, M. C. (October 2010). *Behavioral disinhibition and executive functions: Genetic relations are stronger for substance use than substance dependence*. Poster presented by Joanna Vandever at the XVIIIth World Congress on Psychiatric Genetics, Athens, Greece.
68. Altamirano, L. J., **Friedman, N. P.**, & Miyake, A. (September 2010). *Stability of the structure of executive functions from late adolescence to young adulthood*. Poster presented by Lee Altamirano at the 5th European Working Memory Workshop, Civita Castelliana, Italy.
69. Chatham, C. H., Brant, A. M., Herd, S. A., Hazy, T. E., Miyake, A., O'Reilly, R. C., & **Friedman, N. P.** (November 2009). *From the executive network to executive functions: A PBWM neural network model of the n-back task*. Talk and poster presented by Christopher Chatham at the 4th Computational Cognitive Neuroscience Society Conference, Boston, MA.
70. **Friedman, N. P.**, Miyake, A. (September 2009). *Developmental differences in toddlers' behavioral restraint predict general executive function ability 14 years later*. Talk presented by Akira Miyake at the 16th European Society for Cognitive Psychology (ESCoP) Conference, Krakow, Poland.
71. Altamirano, L. J., Miyake, A., & **Friedman, N. P.** (September 2009). *Goal neglect subtypes show contrasting relationships with executive abilities*. Poster presented by Lee Altamirano at the 16th European Society for Cognitive Psychology (ESCoP) Conference, Krakow, Poland.
72. Miyake, A., & **Friedman, N. P.** (September 2008). *How are working memory capacity, updating ability, and general intelligence related?: A behavioral genetic analysis*. Talk presented by Akira Miyake at the 4th

European Workshop on Working Memory, Bristol, UK.

73. Rhee, S. H., Zahn-Waxler, C., Robinson, J. L., Corley, R. C., **Friedman, N. P.**, Hewitt, J. K., Young, S. E., Haberstick, B. C., & Van Hulle, C. A. (March, 2007). *The relationship between empathy/prosocial behavior and cognitive ability in a longitudinal sample of young twins*. Symposium poster presented by Soo Rhee at the 2007 biennial meeting of the Society for Research in Child Development, Boston, MA.
74. Miyake, A., **Friedman, N. P.**, & Saito, S. (November 2005). *The role of processing durations in working memory span performance: Experimental and correlational investigations*. Invited talk presented by Akira Miyake at "Bristol Workshop on Time and Short-Term Memory," Bristol, UK.
75. **Friedman, N. P.**, & Miyake, A. (March 2005). *Unity and diversity of inhibition and interference control functions: An individual differences perspective*. Invited talk presented by Akira Miyake at "The Place of Inhibitory Processes in Cognition" conference, Arlington, TX.
76. Godinez, D. A., Rhee, S. H., **Friedman, N. P.**, Young, S. E., Corley, R., DeFries, J. C., Miyake, A., & Hewitt, J. K. (June 2005). Genetic and environmental architecture and structure of the Wisconsin Card Sorting Task (WCST). *Behavior Genetics*, 35, 802-803. Poster presented by Detre Godinez at the 35th annual meeting of the Behavior Genetics Association, Hollywood, CA.
77. Miyake, A., & **Friedman, N. P.** (November 2004). *Where does the predictive power of the reading span test come from?* Talk presented by Akira Miyake at the 45th annual meeting of the Psychonomic Society, Minneapolis, MN.
78. Miyake, A., & **Friedman, N. P.** (August 2004). *Individual differences in working memory: What do working memory span tests really measure?* Talk presented by Akira Miyake at the 2nd International Conference on Working Memory, Kyoto, Japan.
79. Miyake, A., & **Friedman, N. P.** (September 2003). *Individual differences in executive functions and complex cognitive abilities*. Talk presented by Akira Miyake at the 13th conference of the European Society for Cognitive Psychology, Granada, Spain.
80. Miyake, A., **Friedman, N. P.**, Rettinger, D. A., Shah, P., & Hegarty, M. (July 2001). *How are visuospatial working memory, executive functioning, and spatial abilities related? A latent variable analysis*. Talk presented by Akira Miyake at the 3rd International Conference on Memory (Symposium on the Role of Working Memory in Complex Cognition), Valencia, Spain.

Teaching

Advisory and Supervisory Responsibilities

Postdoctoral Mentoring

Andrew Reineberg	10/2016 – present
Katerina Zorina-Lichtenwalter (co-mentor with Keller, Wager)	03/2020 – present

Predocctoral Mentoring

Lydia Rader, Behavior Genetics	2021 – present
Samatha Freis, Behavior Genetics	2019 – present
Claire Morrison, Behavior Genetics	2018 – present
Louisa Smith, Cognitive --co-mentor with Marie Banich	2016 – present

Alta du Pont, Clinical --co-mentor with Soo Rhee *selected for Dossier/Muenzinger award for basic research 2016 *P.E.O. Scholar Award from the P.E.O. Sisterhood	2015 – 2020
Harry Smolker, Cognitive --mentor for behavioral genetics certificate; primary mentor Marie Banich	2014 – 2020
Alexander Hatoum, Behavior Genetics *selected for Dossier/Muenzinger award for basic research 2019	2014 – 2019
Lee Altamirano, Cognitive --co-mentor with Yuko Munakata	2013 – 2016
Daniel Gustavson, Cognitive --mentor for behavioral genetics certificate; primary mentor Akira Miyake *selected for Dossier/Muenzinger award for basic research 2016	2013 – 2016
Chelsie Benca, Behavior Genetics	2013 – 2017

Undergraduate Research Mentoring

Undergraduate Honor's Thesis

Zoe Karbin, Psychology	Defense 4/2018
Evann Mitchell, Neuroscience	Defense 10/2018
Hayley Tomkiewicz, Psychology	Defense 4/2019
Anushka Thummalapenta, Neuroscience	In progress
Jack Lovell, Psychology (co-advisor with Keller)	Defense 11/2021

Independent Study (PSYC 4841)

Zoe Karbin	Spring 2017
Rebecca Naous	Fall 2017
Jenny Call	Spring 2018
Emma Osterberg	Fall 2018
Alia Alsaif	Spring 2020

Volunteer Research Assistants

Kylia Ahuna	Spring 2017
Emma Osterberg	Spring 2017-Summer 2018
Hayley Tomkiewicz	Spring 2017-Spring 2019
Evann Mitchell	Fall 2017-Fall 2018
Miles Bowman	Fall 2017-Spring 2018
Rebecca Naous	Spring 2018

Paid Research Assistants

Alia Alsaif	Summer 2019-Spring 2020
Marie Jung (post-baccalaureate)	Summer 2019-Spring 2020
Brandon Kohrt	Spring 2021-Fall 2021

Predocctoral Committees (CU Boulder Psychology Department unless indicated)

Tanya Horwitz	IBG Development Cmte 2020-present
Katie Paulich	Comp. exam & Masters 11/2021
Deepika Dokuru	IBG Development Cmte 2020-present; Comp. exam & Masters 11/2021
Tanya Horwitz	Comp. exam & Masters
Katie Paulich	Comp. exam & Masters 11/2021
Deepika Dokuru	Comp. exam & Masters 11/2021

Bailey Steele	Masters 11/2021
Chava Creque	Dissertation
Lauren Finkelstein	Masters 8/2021
Spencer Moore	IBG Development Cmte 2021-present
Lauren Bertin (Emory University)	Dissertation
Elena Peterson	First year project 2021, Masters
Shelley Gresko	IBG Development Cmte 2020-present
Jared Balbona	IBG Development Cmte 2019-present; Comp. exam & Masters 3/2021
Maya Rieselbach	IBG Development Cmte 2019-present
Jade Yonehiro	First year project 2019
Winnie Zhuang	First year project 2018
Harry Smolker	Comp. exam 5/2019; Dissertation 7/2020
Laura Hink	Dissertation 5/2018
Sarah Grover	Dissertation 11/2017
Laura Michaelson	Dissertation 11/2017
Jane Barker	Dissertation 11/2017
Jessica Keating	Dissertation 7/2017
Richard Border	Comp. exam 4/2017; Dissertation 11/2019
Hannah Ritchie (CU IPHY Dept)	Comp. exam 4/2017; Dissertation 4/2018
Andrew Reineberg	Dissertation 8/2016
Daniel Gustavson	Dissertation 4/2016
Geoffrey Kerr	Dissertation 8/2015
Helena Yardley	Comp. exam 3/2015
Daniel Johnson	Dissertation 5/2014
Ashley Smith	Dissertation 5/2014
Joanna Vandever	Comp. exam 11/2011; Dissertation 4/2014
Lee Altamirano	Comp. exam 4/2013
Kerri Woodward	IBG Development Cmte 2013-2018; Dissertation 5/2018
Jeff Frazer, U. of Victoria	Dissertation 2/2012

Undergraduate Committees

Amelia Weller (CU EBIO Dept)	Honor's thesis 4/2015
Cammie Mitchell (CU IPHY Dept)	Honor's thesis 4/2021

Courses

Primary Teaching

Undergraduate:

PSYC 3102 Introduction to Behavioral Genetics

Spring 2014, Fall 2014, Spring 2016, Fall 2016, Fall 2017, Fall 2018

Graduate:

PSYC 5761 Structural Equation Modeling

Spring 2015, Spring 2017, Spring 2018, Spring 2020, Spring 2021

PSYC 6761 Topics in Advanced Structural Equation Modeling

Fall 2015, Spring 2019

PSYC 5741 & 5751 General Statistics

Fall 2019-Spring 2020 (co-taught with Eric Pedersen), Fall 2020-Spring 2021 (co-taught with Josh Correll)

PSYC 7102/IPHY 6010/ EBIO 5800 Methods Proseminar in Behavioral Genetics (co-taught by 7 faculty)

2 weeks in Fall 2019, 2 weeks in Fall 2020

Guest Lectures/Discussions

GRAD 5000 Responsible Conduct of Research (9/23/2013)

PSYC 3102 Introduction to Behavior Genetics (Soo Rhee's section; 4/22/2014)

PSYC 5112 Concepts in Behavioral Genetics: Scientific Integrity/Ethics (5/2/2018)

NRSC 5110 Introduction to Neuroscience II (4/10/2020)

PSYC 5112 Concepts in Behavioral Genetics: Scientific Integrity/Ethics (4/29/2020)

NRSC 5110 Introduction to Neuroscience II (2/05/2021)

Sponsor/Mentor of funded research awards to post-docs/students

Co-mentor on NIH/NIAAA K23 Clinical Training Grant (K23 AA026635) awarded to Jarrod Ellingson, Ph.D. *Common Mechanisms of the Microbiota-gut-brain axis in Alcohol Use Disorder and Depression: A Genetically Informed Investigation*. 9/27/2018 – 8/31/2023.

Co-mentor on NIH/NIDA K23 Clinical Training Grant (K23 DA054212) awarded to J. Megan Ross, Ph.D. *Changes in Cognition and Psychiatric Disorder Symptoms during Cannabis Abstinence Using a Novel Discordant Twin Design*. 9/1/2021 – 8/31/2026.

Co-mentor on NIH/NIAAA NRSA awarded to Renée Martin-Willett (F31 AA029632). *Shared Mechanisms of Alcohol Use Disorder and Anxiety and Effects of the Endocannabinoid System*. 8/1/2021 – 7/31/2026.

Professional Activities

Professional Memberships

- Behavior Genetics Association

Editorial Service

Journal Editorial Boards

- *Developmental Science* (2014–present)

Guest Action Editor

- *Journal of Experimental Psychology: General* (one manuscript 2014-2016)

Ad Hoc Journal Reviews

- *Annals of Behavioral Medicine* (2014, 2015, 2018)
- *Applied and Preventive Psychology* (2007)
- *Behavior Genetics* (2009)

- *Brain and Cognition* (2015 [2])
- *British Journal of Clinical Psychology* (2018)
- *Clinical Psychological Science* (2018 [2])
- *Cognition and Emotion* (2005)
- *Cognitive, Affective, and Behavioral Neuroscience* (2019)
- *Cognitive and Behavioral Neurology* (2009)
- *Cognitive Psychology* (2019)
- *Cortex* (2014)
- *Development and Psychopathology* (2019)
- *Developmental Science* (2007, 2008 [2], 2009, 2010, 2011, 2014 [2], 2019 [2], 2020 [3], 2021 [2])
- *Intelligence* (2016 [3], 2017)
- *Frontiers in Genetics* (2021 [3])
- *Journal of Abnormal Psychology* (2020, 2021)
- *Journal of Adolescence* (2014)
- *Journal of Child Psychology and Psychiatry* (2006)
- *Journal of Experimental Child Psychology* (2014)
- *Journal of Experimental Psychology: General* (1999, 2002, 2003, 2004 [2], 2005, 2009, 2014, 2015 [2], 2016, 2020 [2])
- *Journal of Experimental Psychology: Learning, Memory, and Cognition* (2007, 2008, 2009 [2], 2013, 2015 [2], 2020)
- *Journal of Memory and Language* (2008)
- *Journal of Personality and Social Psychology* (2016)
- *Memory* (2000, 2006, 2009)
- *Memory and Cognition* (2010, 2011)
- *Mind, Brain, and Education* (2009)
- *Nature Communications* (2020 [2], 2021)
- *Nature Human Behaviour* (2021)
- *Neuropsychologia* (2013 [2], 2014 [2])
- *Neuropsychology* (2006, 2016)
- *Neuropsychopharmacology Reviews* (2021 [2])
- *Proceedings of the National Academy of Sciences (PNAS)* (2011)
- *Psychological Assessment* (2011)
- *Psychological Bulletin* (2003, 2017, 2018)
- *Psychological Review* (2015)
- *Psychological Science* (2005, 2008, 2012, 2013, 2015, 2016)
- *Psychonomic Bulletin & Review* (2009)
- *Quarterly Journal of Experimental Psychology* (2006, 2008, 2009, 2017)
- *Science* (2012 [2])
- *Sleep* (2013)

Ad Hoc Conference Abstract Reviews

- 2021: Society for Research on Adolescence 2022 Biennial Meeting (Biological and Neurological Mechanisms Panel Reviewer)

Grant Reviews

Grant Review Panels

- 2017: National Institute of Diabetes and Digestive and Kidney Diseases Special Emphasis Panel; ZDK1 GRB-9 (M1); Neurocognitive Complications of Type 1 Diabetes; 1/26/2017
- 2017: National Institute of Diabetes and Digestive and Kidney Diseases Special Emphasis Panel;

ZDK1 GRB-9 (04); NIDDK Ancillary Studies; 6/27/2017

- 2018: National Science Foundation Developmental Sciences Advisory Panel

Ad Hoc Grant Reviews

- 2008: Louisiana Experimental Program to Stimulate Competitive Research (EPSCoR)
- 2009: National Science Foundation (Social Psychology Program)
- 2017: National Science Foundation (Developmental Sciences Program)
- 2019: National Science Foundation (Developmental Sciences Program)
- 2020: National Science Foundation (Perception, Action, & Cognition Program)

Departmental Service

Department of Psychology and Neuroscience

Human Research Committee	Fall 2013 – Spring 2018
Undergraduate Research Day	Fall 2014 – Spring 2017
Volunteer Committee to Revise PSYC 1001 Learning Goals	Spring 2017
PUEC Committee (Instructors)	Fall 2017
Unit Review Committee	Fall 2018 – Spring 2019
Merit & Salary Review Committee	Spring 2019 Fall 2020 – Spring 2021 Spring 2022
Committee on Undergraduate Education (co-chair)	Fall 2019 – Spring 2020
Social Faculty Search Committee	Fall 2019 – Spring 2020
Assisted with senior Cognitive Faculty Search	Fall 2019
Assisted with Junior Cognitive Faculty Search	Fall 2019 – Spring 2020
Peer reviews of teaching	Spring 2015, Fall 2017, Spring 2017 [2], Fall 2019, Spring 2020, Spring 2021, Spring 2022
BPSG Program Director	Spring 2022

Institute for Behavioral Genetics

Training Program Committee	Fall 2013 – Spring 2017, Fall 2020 – Spring 2021, Spring 2022
IBG Faculty Search Committee	Fall 2017 – Spring 2018, Fall 2019
Self-study Committee	Fall 2018 – Spring 2019
Faculty organizer for annual student mini conference	Spring 2015 – present
IBG Journal Club, organizer	Spring 2017 – Spring 2020
IBG Colloquium organizer	Fall 2020 – Spring 2021, Spring 2022
IBG Director Search Committee	Fall 2021