

# Jaime Lane Derringer

curriculum vitae

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## contact

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## expertise

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individual differences, human behavior genetics, gene-environment interaction, measurement

## employment

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Associate Professor	Psychology	University of Illinois at Urbana-Champaign	2020 –
Faculty Affiliate	Center for Social and Behavioral Science	University of Illinois at Urbana-Champaign	2020 –
Faculty Affiliate	Informatics	University of Illinois at Urbana-Champaign	2017 –
Assistant Professor	Psychology	University of Illinois at Urbana-Champaign	2013 – 2020
Post-doctoral fellow	Institute for Behavioral Genetics	University of Colorado Boulder	2011 – 2013

## education

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Ph.D.	Psychology	University of Minnesota	2011
Ph.D. coursework	Psychology	Washington University in St. Louis	2008 – 2010
M.A.	Psychology	University of Minnesota	2008
B.S. with honors	Psychology	Carnegie Mellon University	2006

## grant support

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1. John Templeton Foundation 58792 (2017 – 2019). Simulating models of development under plausible gene-environment interplay. Sub-award of: Human Agency: Genetics, Epigenetics, Philosophy, and Complex Behavior. **\$ 359 573**, Co-Principal Investigator.
2. NIH/National Institute on Aging R03 AG045301 (2013 – 2016). Gene-by-environment interactions, social stress, and depression in older adults. **\$ 76 250**, Co-Investigator.

3. NIH/National Institute on Drug Abuse F31 DA029377 (2010 – 2011). Moderation of genetic effects on substance dependence by childhood maltreatment. \$ 36 086, Principal Investigator.

## papers

link to public free version provided where available  
+ indicates supervised student first author

1. + Bucknor, B., & Derringer, J. (under review). Current Polygenic Scores Fail to Capture Resilience. PsyArxiv. <https://doi.org/10.31234/osf.io/tx952>
2. Derringer, J., Livengood, J., & Briley, D. A. (in revision, Stage 1 Registered Report). Gene-by-environment interactions in human individual differences. **PsyArXiv**, <https://doi.org/10.31234/osf.io/nvgwp>
3. + Junkins, E. J., & Derringer, J. (under review, Stage 1 Registered Report). Associations between relationship power and personality traits differ across relationship-types. **PsyArXiv**. <https://doi.org/10.31234/osf.io/7ezhq>
4. + Pantin, K., & Derringer, J. (under review). A Short Measure of Sexual Self Concept. **PsyArXiv**. <https://doi.org/10.31234/osf.io/2bqf8>
5. Hannikainen, I. R., Hudson, N. W., Chopik, W. J., Briley, D. A., & Derringer, J. (2020). Moral Migration: Desires to Become More Empathic Predict Changes in Moral Foundations. **Journal of Research in Personality**, 88, 104011. <https://psyarxiv.com/es6wm/>
6. Border, R., Smolen, A., Corley, R. P., Stallings, M. C., Brown, S. A., Conger, R. D., Derringer, J., ... Evans, L. M. (2019). Imputation of behavioral candidate gene repeat variants in 486,551 publicly-available UK Biobank individuals. **European Journal of Human Genetics**, 27(6), 963-969. <https://doi.org/10.1101/358267>. [7<sup>th</sup> of 16 authors]
7. Briley, D. A., Livengood, J., Derringer, J., Tucker-Drob, E. M., Fraley, R. C., & Roberts, B. W. (2019). Interpreting behavior genetic models: Seven developmental processes to understand. **Behavior Genetics**, 49(2), 196-210. <http://publish.illinois.edu/dabriley/files/2018/11/Briley-2018-Interpreting-behavior-genetic-models.pdf>
8. Derringer, J. (2019). Simulation of model overfit in variance explained with genetic data. **bioRxiv**, <https://doi.org/10.1101/598904>
9. Hudson, N. W., Derringer, J., & Briley, D. A. (2019). Do people know how they've changed? A longitudinal investigation of volitional personality change and participants' retrospective perceptions thereof. **Journal of Research in Personality**, 83, 103879.

10. Briley, D. A., Livengood, J., & Derringer, J. (2018). Behaviour genetic frameworks of causal reasoning for personality psychology. **European Journal of Personality**, 32(3), 202-220. <http://philsci-archive.pitt.edu/id/eprint/14550>
11. Derringer, J. (2018). A simple correction for non-independent tests. **PsyArXiv**, <https://doi.org/10.31234/osf.io/f2tyw>
12. Derringer, J. (2018). Explaining heritable variance in human character. **bioRxiv**, <https://doi.org/10.1101/446518>.
13. Hudson, N. W., Briley, D. A., Chopik, W. J., & Derringer, J. (2018). You have to follow through: Attaining behavioral change goals predicts volitional personality change. **Journal of Personality and Social Psychology**, in press. <https://doi.org/10.31234/osf.io/t36gf>
  - **British Psychological Society** blog post, 1 November 2018. <https://digest.bps.org.uk/2018/11/01/merely-desiring-to-alter-your-personality-is-not-enough-and-may-backfire-unless-you-take-concrete-action-to-change/>
  - **Lifehacker**, 7 November 2018. <https://lifehacker.com/how-to-change-your-personality-1830317055>
14. Pasmán, J. A., Verweij, K. J., Gerring, Z., Stringer, S., Sanchez-Roige, S., Treur, J. L., ... Derringer, J., ... Ip, H. F. (2018). GWAS of lifetime cannabis use reveals new risk loci, genetic overlap with psychiatric traits, and a causal influence of schizophrenia. **Nature Neuroscience**, 21, 1161-1170. <https://doi.org/10.1101/234294> [22<sup>nd</sup> of 50 authors]
  - **Science** Editors' Choice feature, 26 September 2018. <https://doi.org/10.1126/scitranslmed.aav0342>
15. Benca, C. E., Derringer, J., 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(1), 11-24. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5225028/>
16. Luo, J., Derringer, J., Briley, D. A., & Roberts, B. W. (2017). Genetic and environmental pathways underlying personality traits and perceived stress: Concurrent and longitudinal twin studies. **European Journal of Personality**, 31(6), 614-629. Open materials: <https://osf.io/5wj7q/>
17. Okbay, A., Baselmans, B. M., De Neve, J. E., Turley, P., Nivard, M. G., Fontana, M. A., ... Derringer, J., ... Gratten, J. (2016). Genetic associations with subjective well-being also implicate depression and neuroticism. **Nature Genetics**, 48, 624-633. <https://doi.org/10.1101/032789> [10<sup>th</sup> of 178 authors]

- **Forbes**, 22 April 2016.  
<https://www.forbes.com/sites/daviddisalvo/2016/04/22/massive-study-finds-genetic-links-to-happiness-and-depression>
18. Okbay, A., Beauchamp, J. P., Fontana, M. A., Lee, J. J., Pers, T. H., ... Derringer, J., ... Benjamin, D. J. (2016). Genome-wide association study identifies 74 loci associated with educational attainment. **Nature**, 533, 539-542. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4883595/> [23<sup>rd</sup> of 245 authors]
    - **NIH/National Institute on Aging** press release, 11 May 2016.  
[www.sciencedaily.com/releases/2016/05/160511134721.htm](http://www.sciencedaily.com/releases/2016/05/160511134721.htm)
    - **The Atlantic**, 11 May 2016.  
<https://www.theatlantic.com/science/archive/2016/05/the-genetics-of-staying-in-school/482052/>
    - **STAT**, 11 May 2016. <https://www.statnews.com/2016/05/11/genes-school-years/>
  19. Stringer, S., Minica, C., Verweij, K., Mbarak, H., Bernard, M., Derringer, J., ... Vink, J.M. (2016). Genome wide association study of lifetime cannabis use based on a large meta-analytic sample of 32 330 subjects from the International Cannabis Consortium. **Translational Psychiatry**, 6, e769. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4872459/> [6<sup>th</sup> of 79 authors]
  20. van den Berg, S. M., de Moor, M. H. M., Verweij, K. J. H., Krueger, R. F., Luciano, M., Vasquez, A. A., Matteson, L. K., Derringer, J., ... Boomsma, D. I. (2016). Meta-analysis of genome-wide association studies for extraversion: Findings from the Genetics of Personality Consortium. **Behavior Genetics**, 46(2), 170-182. <https://doi.org/10.1007/s10519-015-9735-5> [8<sup>th</sup> of 122 authors]
  21. de Moor, M. H. M., van den Berg, S. M., Verweij, K. J. H., Krueger, R. F., Luciano, M., Vasquez, A. A., Matteson, L. K., Derringer, J., ... Boomsma, D. I. (2015). Genome-wide association study identifies novel locus for neuroticism and shows polygenic association with Major Depressive Disorder. **JAMA Psychiatry**, 72(7), 642-650. <https://doi.org/10.1001/jamapsychiatry.2015.0554> [8<sup>th</sup> of 88 authors]
  22. Derringer, J., Corley, R. P., Haberstick, B. C., Young, S. E., Demmitt, B. A., Howrigan, D. P., ... McQueen, M. B. (2015). Genome-wide association study of behavioral disinhibition in a selected adolescent sample. **Behavior Genetics**, 45(4), 375-381.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4459903/>
  23. Rietveld, C. A., Esko, T., Davies, G., Pers, T. H., Benjamin, B., Chabris, C. F., ... Derringer, J., ... Koellinger, P.D. (2014). Common genetic variants associated with cognitive performance

- identified using proxy-phenotype method. **Proceedings of the National Academy of Sciences**, 111(38), 13790-13794. <https://doi.org/10.1073/pnas.1404623111> [20<sup>th</sup> of 59 authors]
24. van den Berg, S. M., de Moor, M. H., McGue, M., Pettersson, E., Terracciano, A., Verweij, K. J., Amin, N., Derringer, J., ... Pulkkinen, L. (2014). Harmonization of neuroticism and extraversion phenotypes across inventories and cohorts in the Genetics of Personality Consortium: An application of item response theory. **Behavior Genetics**, 44(4), 295-313. <https://doi.org/10.1007/s10519-014-9654-x> [8<sup>th</sup> of 122 authors]
  25. Derringer, J., Krueger, R. F., Dick, D. M., Agrawal, A., Bucholz, K. K., Foroud, T., ... McGue, M. (2013). Measurement invariance of DSM-IV alcohol, marijuana and cocaine dependence between community-sampled and clinically overselected studies. **Addiction**, 108(10), 1767-1776. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3742679/>
  26. Rietveld, C. A., Medland, S. E., Derringer, J., Yang, J., Esko, T., Martin, N. W., ... McMahon, G. (2013). GWAS of 126,559 individuals identifies genetic variants associated with educational attainment. **Science**, 340(6139), 1467-1471. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3751588/> [3<sup>rd</sup> of 204 authors]
    - **The Chronicle of Higher Education**, 30 May 2013. <https://www.chronicle.com/blogs/percolator/there-is-no-gene-for-finishing-college/>
    - **Science Perspectives** feature, 21 June 2013. <https://doi.org/10.1126/science.1240684>
  27. Derringer, J., Krueger, R. F., Dick, D. M., Aliev, F., Gruzca, R. A., Saccone, S., ... Bierut, L. J. (2012). The aggregate effect of dopamine genes on dependence symptoms among cocaine users: Cross-validation of a candidate system scoring approach. **Behavior Genetics**, 42(4), 626-635. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3416038/>
  28. Krueger, R. F., Derringer, J., Markon, K. E., Watson, D., & Skodol, A. V. (2012). Initial construction of a maladaptive personality trait model and inventory for DSM-5. **Psychological Medicine**, 42(9), 1879-1890. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3413381/>
  29. Luciano, M., Lopez, L. M., de Moor, M. H., Harris, S. E., Davies, G., Nutile, T., ... Derringer, J., ... Deary, I. J. (2012). Longevity candidate genes and their association with personality traits in the elderly. **American Journal of Medical Genetics Part B: Neuropsychiatric Genetics**, 159(2), 192-200. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3583011/> [11<sup>th</sup> of 38 authors]
  30. Bezdjian, S., Krueger, R. F., Derringer, J., Malone, S., McGue, M., & Iacono, W. G. (2011). The structure of DSM-IV ADHD, ODD, and CD criteria in adolescent boys: A hierarchical approach. **Psychiatry Research**, 188(3), 411-421. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3146630/>

31. Derringer, J., Krueger, R. F., Manz, N., Porjesz, B., Almasy, L., Bookman, E., ... Tischfield, J. A. (2011). Non-replication of an association of SGIP1 SNPs with alcohol dependence and resting theta EEG power. **Psychiatric Genetics**, 21(5), 265-266.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3139721/>
32. Krueger, R. F., Eaton, N. R., Clark, L. A., Watson, D., Markon, K. E., Derringer, J., ... Livesley, W. J. (2011). Deriving an empirical structure of personality pathology for DSM-5. **Journal of Personality Disorders**, 25(2), 170-191.
33. Krueger, R. F., Eaton, N. R., Derringer, J., Markon, K. E., Watson, D., & Skodol, A. E. (2011). Personality in DSM-5: Helping delineate personality disorder content and framing the metastructure. **Journal of Personality Assessment**, 93(4), 325-331.
34. Middeldorp, C. M., De Moor, M. H. M., McGrath, L. M., Gordon, S. D., Blackwood, D. H., Costa, P. T., ... Derringer, J., ... Oostra, B. A. (2011). The genetic association between personality and major depression or bipolar disorder: A polygenic score analysis using genome-wide association data. **Translational Psychiatry**, 1(10), e50.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3309491/> [14<sup>th</sup> of 61 authors]
35. de Moor, M. H., Costa, P. T., Terracciano, A., Krueger, R. F., De Geus, E. J. C., Toshiko, T., ... Derringer, J., ... Metspalu, A. (2010). Meta-analysis of genome-wide association studies for personality. **Molecular Psychiatry**, 17(3), 337-349.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3785122/> [10<sup>th</sup> of 57 authors]
36. Derringer, J., Krueger, R. F., Dick, D. M., Saccone, S., Grucza, R. A., Agrawal, A., ... Bierut, L. J. (2010). Predicting sensation seeking from dopamine genes: A candidate-system approach. **Psychological Science**, 21(9), 1282-1290.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3031097/>
  - **Psychological Science** press release, 5 October 2010.  
<https://www.psychologicalscience.org/news/releases/a-thirst-for-excitement-is-hidden-in-your-genes.html>
37. Derringer, J., Krueger, R. F., Iacono, W. G., & McGue, M. (2010). Modeling the impact of age and sex on a dimension of poly-substance use in adolescence: A longitudinal study from 11-to 17-years-old. **Drug and Alcohol Dependence**, 110(3), 193-199.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2905476/>
38. Derringer, J., Krueger, R. F., Irons, D. E., & Iacono, W. G. (2010). Harsh discipline, childhood sexual assault, and MAOA genotype: An investigation of main and interactive effects on diverse clinical externalizing outcomes. **Behavior Genetics**, 40(5), 639-648.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2912157/>

39. Gruzca, R. A., Johnson, E. O., Krueger, R. F., Breslau, N., Saccone, N. L., Chen, L. S., Derringer, J., ... Bierut, L. J. (2010). Incorporating age at onset of smoking into genetic models for nicotine dependence: Evidence for interaction with multiple genes. **Addiction Biology**, 15(3), 346-357. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3085318/> [7<sup>th</sup> of 10 authors]
40. Derringer, J., Krueger, R. F., McGue, M., & Iacono, W. G. (2008). Genetic and environmental contributions to the diversity of substances used in adolescent twins: A longitudinal study of age and sex effects. **Addiction**, 103(10), 1744-1751. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2593096/>
41. Rakison, D. H., & Derringer, J. (2008). Do infants possess an evolved spider-detection mechanism? **Cognition**, 107(1), 381-393.

### book chapters

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1. Derringer, J. (2018). Personality genetics. In: *Personality and Disease: Scientific Proof vs. Wishful Thinking*, pp. 185-203. Ed. Johansen, C. Academic Press, Oxford. <https://doi.org/10.31234/osf.io/3rz8y>
2. Derringer, J., & Krueger, R. F. (2012). The role of the externalizing spectrum in understanding addiction. In: *APA Addiction Syndrome Handbook*. Eds. Shaffer, H. J., LaPlante, D. A., Nelson, S. E. American Psychological Association.

### invited talks

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1. Derringer, J. (2020, October). Development of the PID-5. **King's College London**, virtual meeting.
2. Derringer, J. (2019, November). Data and assumptions for gene-environment interactions. Meeting topic: Polygenic scores and their applications. **New York Genome Center**, New York NY.
3. \*Briley, D. A., \*Derringer, J., & \*Livengood, J. (2019, May). Models of development under plausible gene-environment interplay. Meeting topic: Genetics and Human. **University of Virginia**, Charlottesville VA. (\* co-presenting authors)
4. Derringer, J. (2018, September). Reconstructing personality from an etiologic perspective. Meeting topic: Conceptualizing and Assessing Personality: New Approaches to Fundamental Questions. **European Association of Personality Psychology / European Association of Psychological Assessment Expert Meeting**, Edinburgh Scotland.
5. Briley, D. & Derringer, J. (2017, May). Simulating models of development under plausible gene-environment interplay. Meeting topic: Genetics and Human Agency. **University of Virginia**, Charlottesville VA.

6. Derringer, J. (2014, May). Genetics of personality. Meeting topic: Using Basic Personality Research to Inform the Personality Disorders. **Purdue University**, West Lafayette IN.
7. Derringer, J. (2013, June). Biological annotation: Gene-based tests, identifying previous associations, & pathway analysis. In workshop: Social Science Genetic Association Consortium. **Erasmus University Rotterdam**, The Netherlands.
8. Derringer, J. (2013, May). Center on Antisocial Drug Dependence: Genome-wide analyses (update). Meeting topic: NIDA Genetics Consortium. **National Institute on Drug Addiction**, Bethesda MD.
9. Derringer, J. (2012, November). Pathway analysis of genome-wide association results: Disinhibition & depression. Meeting topic: Developmental Psychobiology Research Group. **University of Colorado - Denver**, Denver CO.
10. Derringer, J. (2012, September). Pathway analysis of GWAS for depression: Standing on the shoulders of meta-analyses. Meeting topic: Symposium on Mental Health Genetics. **University of Colorado - Boulder**, Boulder CO.
11. Derringer, J. (2012, June). Center on Antisocial Drug Dependence: Genome-wide analyses. Meeting topic: NIDA Genetics Consortium. **National Institute on Drug Addiction**, Bethesda MD.

#### conference presentations

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+ indicates supervised student first author

1. + Bucknor, B. A. & Derringer, J. (2020, June). Current polygenic scores fail to capture resilience. Paper presented at the **Behavior Genetics Association**, virtual meeting.
2. + Junkins, E. J., Briley, D. A., & Derringer, J. (2020, June). Genetic and environmental overlap of agency and the Big Five personality traits. Poster presented at the **Behavior Genetics Association**, virtual meeting.
3. Zheng, A., Vogt, R. L., Junkins, E. J., Bucknor, B. A., Derringer, J. L., & Briley, D. A. (2020, June). Testing the phenotypic null hypothesis: A multivariate examination in MIDUS. Paper presented at the **Behavior Genetics Association**, virtual meeting.
4. + Pantin, K. & Derringer, J. (2019, October). Sexual self concept: Factor structure and development of a short form. Poster presented at the **Society for the Scientific Study of Sexuality**, Denver CO.
5. + Bucknor, B. & Derringer, J. (2019, September). Exploring the genetics of resilience through a polygenic lens. Poster presented at the **Society for Research in Psychopathology**, Buffalo NY.



6. Derringer, J., Livengood, J., & Briley, D. A. (2019, June). Anticipating effect sizes and shapes in gene-by-environment interactions. In Symposium: Registered Reports in Personality Research. **Association for Research in Personality**, Grand Rapids MI. <https://osf.io/8fyz2/>
7. Hudson, N., Derringer, J., & Briley, D. A. (2019, June). Do people know how they've changed? A longitudinal investigation of perceived and actual volitional personality change. In Symposium: New Research on Volitional Personality Change Processes. **Association for Research in Personality**, Grand Rapids MI.
8. + Pantin, K. & Derringer, J. (2019, June). The bivariate heritability of personality and sexual wellbeing. Poster presented at the **Behavior Genetics Association**, Stockholm, Sweden.
9. Zheng, A., Hudson, N. W., Derringer, J. L., Chopik, W. J., & Briley, D. A. (2019, June). Cross-trait personality change: Evidence from 14 intensive longitudinal studies. Paper presented at the **Association for Research in Personality**, Grand Rapids MI.
10. Hudson, N. W., Chopik, W. J., Derringer, J., & Briley, D. A. (2019, May). Volitional change in adult attachment: Can people who want to become less anxious and avoidance move closer toward realizing those goals? Poster presented at the **Association for Psychological Science**, Washington DC.
11. Briley, D. A., Livengood, J., & \*Derringer, J. (2018, June). Considering the multiverse of gene-environment interplay. In symposium: Free Will and Determinism. **Behavior Genetics Association**, Boston MA. [\* presenting author]
12. Derringer, J. (2018, June). GxE in health and well-being. In symposium: Explaining Differences in Well-Being. **Behavior Genetics Association**, Boston MA. <https://osf.io/3yzgs/>
13. Livengood, J., Briley, D. A., & Derringer, J. (2018, March). Reflecting on simulating models of development under plausible gene-environment interplay. In symposium: History and Philosophy of Computer Simulations. **Models and Simulations**, Columbia SC.
14. + Pantin, K. & Derringer, J. (2018, March). Sexual self-concept: Higher-order structure and development of a short form. Poster presented at the **Illinois Summit on Diversity in Psychological Science**, Champaign IL.
15. Derringer, J. (2017, June). Reconstructing personality from an etiologic perspective. Paper presented at the **Behavior Genetics Association**, Oslo, Norway. <https://osf.io/awrj8/>
16. + Schafer, E., Derringer, J., & Berenbaum, H. (2017, June). Genetic risk shared between autism and schizophrenia. Paper presented at the **Behavior Genetics Association**, Oslo, Norway.

17. Derringer, J. (2017, January). Moderation of genetic influences on health outcomes by social class. In pre-conference: Lifespan Social-Personality. **Society for Personality and Social Psychology**, San Antonio TX.
18. + Schafer, K. & Derringer, J. (2016, June). Genome-wide prediction of behavioral disinhibition from multiple proxy-phenotypes. Poster presented at the **Behavior Genetics Association**, Brisbane, Australia.
19. + Scicchitano, J. & Derringer, J. (2016, June). Putting the 'diathesis' in diathesis-stress: Personality, social stress, and depression. Poster presented at the **Behavior Genetics Association**, Brisbane, Australia.
20. Demmitt, B. A., Corley, R. P., Huibregtse, B. M., Derringer, J., McQueen, M. B., Hewitt, J. K., & Krauter, K. S. (2015, November). Host genetics and the oral microbiome. Poster presented at the **Butcher Symposium**, Boulder CO.
21. + Finy, M. S., Lien, J. W., Picchietti, D. L., Heller, W., & Derringer, J. (2015, October). Genome-wide polygenic risk, executive functions, and ADHD traits in youth. Poster presented at the **Society for Research in Psychopathology**, New Orleans LA.
22. Bartels, M., Okbay, A., Derringer, J., Baselmans, B., De Neve, J., Rietveld, C., ... Koellinger, P. (2015, June). Genome-wide association meta-analysis for happiness, satisfaction with life and wellbeing: The Sequel. Paper presented at the **Behavior Genetics Association**, San Diego CA.
23. Benca, C., Derringer, J., Corley, R., Hewitt, J., & Friedman, N. (2015, June). Predicting neural correlates of executive functioning with genetic risk scores for psychiatric disorders. Paper presented at the **Behavior Genetics Association**, San Diego CA.
24. Derringer, J. & Whisman, M.A. (2015, June). Gene-by-environment interactions, social stress, and depression in older adults. Paper presented at the **Behavior Genetics Association**, San Diego CA.
25. + Scicchitano, J. & Derringer, J. (2015, June). Moderation of personality by positive life events. Poster presented at the **Behavior Genetics Association**, San Diego CA.
26. Derringer, J. (2015, June). Gene-by-environment interactions for neuroticism: A genome-wide search for novel empirical candidates. Paper presented at the **Association for Research in Personality**, Saint Louis MO.
27. Derringer, J., Krueger, R. F., McGue, M., & Iacono, W. G. (2014, June). Methylation in monozygotic female twins discordant for stress reaction. Paper presented at the **Behavior Genetics Association**, Charlottesville VA.

28. Benca, C., Friedman, N., Derringer, J., Corley, R., & Hewitt, J. (2014, June). Predicting executive functioning with genetic risk scores for psychiatric disorders. Paper presented at the **Behavior Genetics Association**, Charlottesville VA.
29. Demmitt, B. A., Stahringer, S. S., Clemente, J. C., Ackermann, G., Van Treuren, W., Derringer, J., ... Krauter, K. S. (2014, May). Heritability of the salivary microbiome and the preliminary analysis of the influence of smoking and marijuana use. Paper presented at the **American Society for Microbiology**, Boston MA.
30. Bartels, M., Okbay, A., Derringer, J., De Neve, J. E., Rietveld, C., ... Benjamin, D. (2013, June). Genome-wide association meta-analysis for positive affect. Paper presented at the **Behavior Genetics Association**, Marseille, France.
31. Benca, C., Friedman, N., Derringer, J., Corley, R., Young, S. & Hewitt, J. (2013, June). Predicting individual differences in executive functions with a genetic risk score for behavioral disinhibition. Poster presented at the **Behavior Genetics Association**, Marseille, France.
32. Derringer, J., McQueen, M., & Hewitt, J. (2013, June). Genetic risk scores for depression: Comparison of gene, pathway, and genome-wide approaches. Paper presented at the **Behavior Genetics Association**, Marseille, France.
33. Derringer, J., Corley, R., Haberstick, B., Young, S., Howrigan, D., Keller, M., ... Crowley, T. (2012, June). GWAS of behavioral disinhibition in a selected adolescent sample. Paper presented at the **Behavior Genetics Association**, Edinburgh, Scotland.
34. Rietveld, N., Cesarini, D., Derringer, J., Koellinger, P., Medland, S., & Benjamin, D. (2012, June). Meta- analysis of educational attainment GWAS: the Social Science Genetics Association Consortium. Paper presented at the **Behavior Genetics Association**, Edinburgh, Scotland.
35. Derringer, J., Krueger, R.F., Ward, S.H., Iacono, W.G., & McGue, M. (2011, June). Moderation of genetic and environmental effects on externalizing by childhood maltreatment. Paper presented at the **Behavior Genetics Association**, Newport RI.
36. Ward, S. H., Derringer, J., McGue, M., & Iacono, W. G. (2011, June). Moderation by adverse environmental risk on antisocial behavior. Poster presented at the **Behavior Genetics Association**, Newport RI.
37. Krueger, R. F., Clark, L. A., Derringer, J., Markon, K., & Watson, D. (2011, June). Personality in DSM-5: Current status. Paper presented at the **Association for Research in Personality**, Riverside CA.

38. Derringer, J., Krueger, R. F., & Gruzca, R. A. (2010, November). Genetic contributions to BMI and related conditions. Poster presented at the **American Society of Human Genetics**, Washington DC.
39. Derringer, J., Krueger, R. F., Dick, D. M., Aliev, F., Gruzca, R. A., Saccone, S., ... Bierut, L. J. (2010, June). A candidate system scoring approach to genome-wide data: Illustration of aggregate main and interactive effects of dopaminergic genes and religious service attendance on sensation seeking and cocaine dependence. Paper presented at the **Behavior Genetics Association**, Seoul, South Korea. [Thompson Award for Most Excellent Presentation by an Associate Member]
40. Krueger, R. F., Derringer, J., Markon, K. E., Watson, D., & Skodol, A. (2010, March). Development of a self-report inventory for DSM-V trait facets and domains: Some preliminary results. Paper presented at the **Society for Personality Assessment**, San Jose CA.
41. Derringer, J., Krueger, R. F., Dick, D. M., Aliev, F., Gruzca, R. A., Saccone, S., ... Bierut, L. J. (2010, February). Specificity of a cocaine-derived dopaminergic genetic risk score. Poster presented at the **Samuel B. Guze Symposium on Alcoholism**, St Louis MO.
42. Krueger, R. F., South, S., Derringer, J., & Gruzca, R. (2010, January). Genes and environments in personality and social psychology: Some reflections on scientific strategies. Keynote presented at the **Society for Personality and Social Psychology**, Las Vegas NV.
43. Derringer, J., Krueger, R. F., Irons, D. E., & Iacono, W. G. (2009, November). Childhood maltreatment and MAOA genotype: An investigation of main and interactive effects on diverse clinical externalizing outcomes. Poster presented at the **World Congress on Psychiatric Genetics**, San Diego CA.
44. Derringer, J., Krueger, R. F., Dick, D. M., Saccone, S., Gruzca, R. A., Agrawal, A., ... Bierut, L.J. (2009, November). Predicting sensation seeking from dopamine genes: A candidate system approach. In symposium: Genes, Environment, and Substance Use: Emerging Results from SAGE. **World Congress on Psychiatric Genetics**, San Diego CA.
45. Krueger, R. F., Agrawal, A., Derringer, J., Wray, N., Gruzca, R., Edenberg, H., ... Bierut, L. (2009, November). A genome-wide association study (GWAS) of the Five Factor Model (FFM) of personality. Paper presented at the **World Congress on Psychiatric Genetics**, San Diego CA.
46. Derringer, J., Krueger, R. F., McGue, M., Irons, D. E., & Iacono, W. G. (2009, June). Childhood maltreatment and MAOA genotype: An investigation of main and interactive effects on diverse clinical externalizing outcomes. Poster presented at the **Behavior Genetics Association**, Minneapolis MN.

47. Krueger, R. F., Agrawal, A., Derringer, J., Wray, N., Grucza, R., Edenberg, H., ... Bierut, L. (2009, June). A genome-wide association study (GWAS) of the Five Factor Model (FFM) of personality. Paper presented at the **Association for Research in Personality**, Evanston IL.
48. Derringer, J., Krueger, R. F., Iacono, W. G., & McGue, M. (2008, June). Sex-specific moderation of substance use by deviant peer association in late adolescence. Poster presented at the **Behavior Genetics Association**, Louisville KY.
49. Derringer, J., Krueger, R. F., McGue, M., & Iacono, W. G. (2008, June). Using item response theory to understand developmental and sex effects on substance use from childhood to adolescence. Poster presented at the **Research Society on Alcoholism**, Washington DC.
50. Derringer, J. L., Krueger, R. F., Iacono, W. G., & McGue, M. K. (2007, June). Age and sex effects on the etiology of substance use in adolescents. Poster presented at the **Behavior Genetics Association**, Amsterdam, The Netherlands.
51. Derringer, J. L. (2006, May). Infants' orienting response to schematic images of spiders. Paper presented at the **Meeting of the Minds Undergraduate Research Symposium**, Pittsburgh PA.
52. Derringer, J. L. & Rakison, D. H. (2005, May). Predator recognition and response mechanisms in infancy. Poster presented at the **Meeting of the Minds Undergraduate Research Symposium**, Pittsburgh PA.
53. Derringer, J. L. & Rakison, D. H. (2005, April). Predator recognition and response mechanisms in infancy. Poster presented at the **Tri-State Psychology Conference**, Morgantown WV.

#### **editorial activities**

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Editorial board member	Social Psychology and Personality Compass (Personality Processes section)	2019 –
Associate editor	Journal of Research in Personality	2018 – 2020
Editorial board member	Advances in Methods and Practices in Psychological Science	2017 –
Consulting editor	Developmental Psychology	2016 – 2018
Consulting editor	Journal of Personality and Social Psychology (Personality Processes and Individual Differences)	2015 – 2017
Action editor	Proceedings of the National Academy of Sciences	2014
Review editor	Frontiers in Genetics, Frontiers in Psychiatry (Behavioral and Psychiatric Genetics section)	2011

Ad hoc reviewer >30 journals in psychology, psychiatry, and genetics since 2008

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### **professional memberships**

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Association for Psychological Science, Association for Research in Personality, Behavior Genetics Association, Society for Personality and Social Psychology

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### **professional service**

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#### external

Treasurer (elected), Behavior Genetics Association, 2021 – 2024  
Early career reviewer, National Institutes of Health, Behavior Genetics and Epidemiology Study Section, 2016  
Expert reviewer, John Templeton Foundation, Core funding area: Genetics, 2015  
Peer reviewer, Wellcome Trust, Sir Henry Dale Fellowship, 2014  
Advisor, American Psychiatric Association, DSM-5 Development, Personality, and Personality Disorders Work Group, 2010 – 2013

#### internal

Chair, ATLAS/Psychology IT Staff Search Committee, 2020  
Member, Psychology Diversity and Inclusion Committee, 2020 – present  
Member, Quantitative Psychology Faculty Search Committee, 2019 – 2020  
Member, Psychology Stewardship and Alumni Relations Staff Search Committee, 2019  
Chair, Psychology IT Advisory Committee, 2018 – present  
Member, Applied Technologies for Learning in the Arts & Sciences (ATLAS) Faculty Advisory Committee, 2018 – present  
Member, Psychology IT Advisory Committee, 2017 – 2018  
Peer reviewer, Campus Research Board, 2016, 2018  
Faculty Senator representing Psychology, Senate of the Urbana-Champaign Campus, 2015 – 2021  
Member, Psychology Graduate Admissions Committee, 2014 – 2016  
Member, Social Psychology Faculty Search Committee, 2013 – 2014  
Member, Psychology Computer Committee, 2013 – 2014

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### **honors and awards**

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Mabel Kirkpatrick Hohenboken Teaching Enhancement Award, University of Illinois at Urbana-Champaign, Department of Psychology, 2018  
Teachers Ranked as Excellent by Their Students, University of Illinois at Urbana-Champaign, every semester, 2014 – present

Thompson Award for Most Excellent Presentation by an Associate Member, Behavior Genetics Association, 2010

Early Career Investigator Award Finalist, World Congress on Psychiatric Genetics, 2009

Graduate Research Fellowship Program Honorable Mention, National Science Foundation, 2008

Student Merit Meeting Award, Research Society on Alcoholism, 2008

Student Travel and Research Award, University of Minnesota, College of Liberal Arts, 2008

Campbell Graduate Research Fellowship, University of Minnesota, 2007

Graduate Research Partnership Program Fellowship, University of Minnesota, 2007

Associate Member Travel Fellowship, Behavior Genetics Association, 2007, 2008, 2009, 2010

Inductee, Psi Chi National Psychology Honor Society, 2006

Small Undergraduate Research Grant, Carnegie Mellon University, 2005 – 2006

Summer Undergraduate Research Fellowship, Carnegie Mellon University, 2005

## **teaching**

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Instructor and Course Creator, Human Behavior Genetics, University of Illinois at Urbana-Champaign, <https://jaimesderringer.github.io/psyc408/>, 2015 –

Co-Instructor, Psychology of Personality, University of Illinois at Urbana-Champaign, 2013 – 2019

Guest Lecturer, Introduction to Psychology, Washington University in St. Louis, 2010

Guest Lecturer, Introduction to Psychological Measurement and Data Analysis, University of Minnesota, 2008

Teaching Assistant, Introduction to Abnormal Psychology, University of Minnesota, 2008

Teaching Assistant, Introduction to Individual Differences, University of Minnesota, 2008

Section Leader, Introduction to Psychological Measurement and Data Analysis, 2007 – 2008

Teaching Assistant, Introduction to Research Methods, University of Minnesota, 2007

Section Leader, Introduction to Research Methods, University of Minnesota, 2006 – 2007

Teaching Assistant, Principles of Child Development, Carnegie Mellon University, 2004 – 2006

## **public engagement**

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Blogger, Psychology Today, <https://www.psychologytoday.com/blog/why-we-vary>, 2018 –

Invited Speaker, University of Illinois Police Training Institute. Talk title: Genes, environment, & free will: What we know and what we can know about human behavior. Meeting topic: Genomics for Police Officers, 2017

Invited Speaker, University of Illinois College of Law. Talk title: Blame it on my genome. Meeting topic: Advanced Judicial Academy for Illinois Judges: Science in the Courtroom, 2015

Panel Discussant, University of Illinois College of Law. Topic: Genes and Behavior, 2014

Co-Contributor, Scientific American Mind, Ask the Brains: Is altruism a genetic trait?, 2010