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EDUCATION

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|------|---|
| 2008 | PhD Psychology , Quantitative Psychology Concentration
<i>Arizona State University</i> |
| 2004 | M.A. Psychological Science , Assessment & Measurement Concentration
<i>James Madison University</i> |
| 2000 | B.A. Psychology with Highest Distinction
<i>University of North Carolina</i> |

PROFESSIONAL EXPERIENCE

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|--------------|---|
| 2022-present | Associate Department Chair , Department of Psychology
<i>University of South Carolina</i> |
| 2022-present | Midcareer Faculty Development Program Leader , McCausland College of Arts & Sciences
<i>University of South Carolina</i> |
| 2020-present | Professor , Department of Psychology
<i>University of South Carolina</i> |
| 2020-2025 | Founding Director , Quantitative Psychology PhD Concentration, Department of Psychology
<i>University of South Carolina</i> |
| 2014-2019 | Associate Professor , Department of Psychology
<i>University of South Carolina</i> |
| 2015 | Visiting Professor , Department of Psychology
<i>Pontifícia Universidade Católica de Goiás</i> |
| 2008-2014 | Assistant Professor , Department of Psychology
<i>University of South Carolina</i> |

HONORS & AWARDS

- 2025 **Career Influencer Award**, University Career Center
University of South Carolina
- 2024 **Career Influencer Award**, University Career Center
University of South Carolina
- 2022 **Carolinian Creed Champion Award**, Office of Student Affairs &
Academic Support
University of South Carolina
- 2022 **APS Fellow**
Association for Psychological Science
- 2021 **Educational Foundation Outstanding Service Award**, Office of the
Provost
University of South Carolina
- 2020 **SCoer Faculty Award**, University Libraries and Student Government
University of South Carolina
- 2019 **Michael J. Mungo Graduate Teaching Award**, Office of the Provost
University of South Carolina
- 2017 **Outstanding Mentor Award**, Department of Psychology
University of South Carolina
- 2015 **Best Poster Award**, 80th Annual International Meeting of the
Psychometric Society
Beijing, China (\$500 prize)
- 2013 **Outstanding Teaching Award**, Department of Psychology
University of South Carolina
- 2009 **Two Thumbs Up Faculty Award**, Student Disability Resource Center
University of South Carolina
- 2004 **Outstanding Graduate Student in Scholarship & Research Award**
James Madison University
- 2000-
present **Golden Key National Honor Society**
University of North Carolina
- 2000-
present **Phi Beta Kappa National Honor Society**
University of North Carolina

PUBLICATIONS

* Indicates student co-author

N>100 CITATIONS

- 1) MacKinnon, D.P., **Fairchild, A.J.**, & Fritz, M.S. (2007). Mediation analysis. *Annual Review of Psychology*, 58, 593-614. PMC2819368.
<https://doi.org/10.1146/annurev.psych.58.110405.085542> (n=9149 citations)
- 2) **Fairchild, A.J.**, & MacKinnon, D.P. (2009). A general model for testing mediation and moderation effects. *Prevention Science*, 10(2), 87-99. PMC2908713.
<https://doi.org/10.1007/s11121-008-0109-6> (n=1508 citations)
- 3) MacKinnon, D.P., & **Fairchild, A.J.** (2009). Current directions in mediation analysis. *Current Directions in Psychology*, 18, 16-20. PMC2821103.
<https://doi.org/10.1111/j.1467-8721.2009.01598.x> (n=1349 citations)
- 4) **Fairchild, A.J.**, Horst, S.J., Finney, S.J., & Barron, K.E. (2005). Evaluating existing and new validity evidence for the Academic Motivation Scale. *Contemporary Educational Psychology*, 30, 331-58.
<https://doi.org/10.1016/j.cedpsych.2004.11.001> (n=627 citations)
- 5) **Fairchild, A.J.** & *McDaniel, H.L. (2017). Best (but oft-forgotten) practices: Mediation analysis. *American Journal of Clinical Nutrition*, 105, 1259-71. PMC5445681. <https://doi.org/10.3945/ajcn.117.152546> (n=603 citations)
- 6) **Fairchild, A.J.**, MacKinnon, D.P., Taborga, M.P., & Taylor, A.B. (2009). R² effect size measures for mediation analysis. *Behavioral Research Methods*, 41(2), 486-98. PMC2930209. <https://doi.org/10.3758/BRM.41.2.486> (n=521 citations)
- 7) Lee, H., Cashin, A., Lamb, S., Hopewell, S., Vansteelandt, S., VanderWeele, T.J., MacKinnon, D.P., Mansell, G., Collins, G., Golub, R.M., McAuley, J.H., & the **AGReMA Group**. (2021). A guideline for reporting mediation analyses of randomized trials and observational studies. *JAMA*, 326(11), 1045-56. (AGReMA Group Member). <https://doi.org/10.1001/jama.2021.14075> (n=507 citations)
- 8) **Fairchild, A.J.**, & *McQuillin, S. (2010). Evaluating mediation and moderation effects in school psychology: A presentation of methods and review of current practice. *Journal of School Psychology*, 48(1), 53-84. PMC5488867.
<https://doi.org/10.1016/j.jsp.2009.09.001> (n=427 citations)
- 9) Kitzman-Ulrich, H., Wilson, D. K., *St. George, S., *Lawman, H., *Segal, M., & **Fairchild, A.J.** (2010). The integration of a family systems approach for understanding youth obesity, physical activity, and dietary programs. *Clinical Child and Family Psychology Review*, 13, 231-53. PMCID: PMC3293190.
<https://doi.org/10.1007/s10567-010-0073-0> (n=420 citations)
- 10) **Fairchild, A.J.** & Finney, S.J. (2006). Investigating validity evidence for the experiences in Close Relationships-Revised Questionnaire. *Educational and*

- Psychological Measurement*, 66, 1-20.
<https://doi.org/10.1177/0013164405278564> (n=299 citations)
- 11) Weist, M.D., Eber, L., Horner, R., Splett, J., Putnam, R., Barrett, S., Perales, K., **Fairchild, A.J.**, & Hoover Stephen, S. (2018). Improving multi-tiered systems of support for students with “internalizing” emotional/behavioral problems. *Journal of Positive Behavior Interventions*, 20, 172-84.
<https://doi.org/10.1177/1098300717753832> (n=290 citations)
- 12) *Peterson, M.S., *Lawman, H.G., Wilson, D.K., **Fairchild, A.J.**, & VanHorn, M.L. (2013). The association of self-efficacy and parent social support on physical activity in male and female adolescents. *Health Psychology*, 32, 666-74. PMC3502660. <https://doi.org/10.1037/a0029129> (n=155 citations)

ALL OTHER PUBLICATIONS (IN REVERSE CHRONOLOGICAL ORDER)

- 13) Cai, C., Murtala, N.M, Varma, S.C., Chidrala, C., **Fairchild, A.J.**, Lohman, M., Linder, L., & Bank, R. (2026). Antipsychotic Adherence as a Mediator of Racial Disparities in Emergency Department Utilization in Schizophrenia. *Journal of Clinical Psychiatry*. Under review.
- 14) *Zhang, G., **Fairchild, A.J.**, *Yin, Y., Shi, D., & Lee, T. (2026). On interpreting the unweighted least squares (ULS) based fit indices. *Methodology*. Under review.
- 15) *Keseko, E.A., Kim, M., Larson, L.M., **Fairchild, A.J.**, *Bell, A., *Claypoole, V., & Turner-McGrievy, G.M. (2026). Nutrition Messaging in Food Documentaries: Assessment of Social Cognitive Theory Constructs and Information Quality. *Health Education & Behavior*. Under review.
- 16) Weist, M., Patterson, B., McQuillin, S., **Fairchild, A.J.**, Chehoski, B., Stevens, R., Haines, C. & Cox, J., Chandler, T., Hoover, S., Reaves, S., Lu, Q., & Obeid, J.S. (2026). Enhancing Collaborative Relationships and Mental Health Literacy to Improve School Behavioral Health for Middle School Students: A Randomized Controlled Trial. *BMC Public Health*. Revision submitted.
- 17) *Zhang, G., **Fairchild, A.J.**, Keller, B., & Shi, D. (2026). Mind the Gap: Addressing Missing Data in Moderation Analysis. *Advances in Methods and Practices in Psychological Science*. Revision submitted.
- 18) **Fairchild, A.J.**, Gupta-Kagan, J. & Barclay, A. (2026). Predicting Less, Understanding More: Shifting the use of Machine Learning from Individual Prediction to Structural Insights in Systems that Affect Children and Families. *Children and Youth Services Review*. Revision submitted.
- 19) Shi, D., Wiedermann, W., **Fairchild, A.J.** & Zhang, B. (2026). Does X at Time 1 Cause Y at Time 2? Longitudinal Causal Learning with Hidden Confounders. *Psychometrika*. In press.
- 20) *Moser, C., Yang, C-H., Hogan, A.L., **Fairchild, A.J.**, Roberts, J., & Klusek, J. (2025). Mother-Child Biobehavioral Synchrony and its Association with Social Functioning in Autistic School-Aged Children. *Autism Research*, 10.1002/aur.70168. Advance Online Publication, <https://doi.org/10.1002/aur.70168>

- 21) **Fairchild, A.J.**, Coffman, D.L., Shi, D., Serang, S., & MacKinnon, D.P. (2026). Mediation and Moderation Analysis. In A.L. Nichols & J. Edlund (Eds.), *The Cambridge Handbook of Research Methods and Statistics for the Social and Behavioral Sciences: Volume 3: Data Analysis*. ISBN: [9781316518564](#)
- 22) Klusek, J., Gierman, J., **Fairchild, A.J.**, Benitez, A.M., Mailick, M.R., & Berry-Kravis, E. (2025). Cognitive Dysfunction in Women with the FMR1 Premutation during Midlife: the LASSI-L Reveals Curvilinear CGG-Dependent Risk Buffered by College Education. *Journal of Alzheimer's Disease*. E-pub ahead of print. <https://doi.org/10.1177/13872877251414950>
- 23) *Yin, Y., Shi, D., **Fairchild, A.J.**, & Gao, R. (2025). Estimating RMSEA (and Associated Confidence Intervals) under Nonnormality. *Structural Equation Modeling*, 33(1), 99-123. <https://doi.org/10.1080/10705511.2025.2581575>
- 24) Shi, D., Zhang, B., Wiedermann, W., & **Fairchild, A.J.** (2025). Distinguishing cause from effect in psychological research: An independence-based approach under linear non-Gaussian models under hidden confounders. *British Journal of Mathematical and Statistical Psychology*, 00, 1-31. <https://doi.org/10.1111/bmsp.12391>
- 25) *Yin, Y., **Fairchild, A. J.**, Shi, D., & Lee, T. (2025). Estimating the Root Mean Square Error of Approximation (RMSEA) with Multiply Imputed Data Under Non-Normality. *Structural Equation Modeling: A Multidisciplinary Journal*, 1-26. <https://doi.org/10.1080/10705511.2025.2515229>
- 26) Klusek, J., Jenner, L., Hogan, A.L., *Friedman, L., Berry-Kravis, E., Tassone, F., Adayev, T., **Fairchild, A.J.**, & Roberts, J.E. (2025). Depression Symptom Trajectories in Mothers with the FMR1 Premutation Vary by CGG Repeat Length: A Longitudinal Study of 73 Women Spanning 20-75 Years of Age. *American Journal of Medical Genetics. Part B, Neuropsychiatric Genetics*: e33033. Advance Online Publication. <https://doi.org/10.1002/ajmg.b.33033>
- 27) *Zhang, G., **Fairchild, A.J.**, Zhang, B., Shi, D., & Shi, D. (2025). Comparing Likert and slider response formats in clinical assessment: Evidence from Measuring Depression Symptoms using CES-D 8. *Assessment*. Online First. <https://doi.org/10.1177/10731911251329977>
- 28) Weist, M. D., Patterson, B., Chehoski, B. E., McQuillin, S., Stevens, R., Chandler, E. T., **Fairchild, A.J.**, Lu, Q., & Moniz, R. I. (2026). *The Partnering for Student Wellness Study*. Patient-Centered Outcomes Research Institute (PCORI). DOI pending.
- 29) *Collier, T., **Fairchild, A.J.**, Collins, C., Collins, D., Bresnan, P., & Weist, M. D. (2025). Initial evaluation of a comprehensive school mental health program in the rural South. *Journal of Rural Mental Health*, 49, 124-33. <https://doi.org/10.1037/rmh0000285>
- 30) Beets, M., Burkart, S., ... **Fairchild, A.J.**, (2025). Differences in Children's Food and Beverage Consumption between School and Summer: Three-year findings from the What's UP (Undermining Prevention) with Summer Observational Cohort Study. *Research Square*, rs.3.rs-6255625. <https://doi.org/10.21203/rs.3.rs-6255625/v1>
- 31) Hogan, A.L., *Smith, K., Mian, N.D., *Black, C., *Hunt, E., Knott, C., *Moser, C., Smith, J., Caravella, K.E., Hills, K., **Fairchild, A.J.**, Carter, A.S., & Roberts, J.E.

- (2025). Utility of the Modified Anxiety Dimensional Observation Scale in Autistic Preschoolers with Varying Intellectual Functioning. *Journal of Clinical Child & Adolescent Psychology*, 55(1), 106-120. <https://doi.org/10.1080/15374416.2025.2454647>
- 32) Fairchild, A.J., Yin, Y., Baraldi, A.N., Astivia, O.L., & Shi, D. (2024). Many nonnormalities, one simulation: Do different data generation algorithms affect study results? *Behavior Research Methods*, 56, 6464-68. <https://doi.org/10.3758/s13428-024-02364-w>
- 33) Hogan, A.L., *Smith, K., *Hunt, E., Hills, K., Fairchild, A.J., & Roberts, J.E. (2024). Longitudinal change in heart activity as a predictor of co-occurring anxiety symptoms in young autistic children. *Research on Child and Adolescent Psychopathology*. In press.
- 34) Beets, M., Burkart, S., ... Fairchild, A.J., et al. (2024). Differences in Elementary-Age Children's Accelerometer-Measured Physical Activity between School and Summer: Three-year findings from the What's UP (Undermining Prevention) with Summer Observational Cohort Study. *International Journal of Behavioral Nutrition and Physical Activity*, 21, 86. <https://doi.org/10.1186/s12966-024-01637-z>
- 35) Klusek, J., Will, E., Christensen, T., Caravella, K., Hogan, A., Sun, J., Smith, J., Fairchild, A.J., & Roberts, J.E. (2024). Social Communication Delay in an Unbiased Sample of Preschoolers with the FMR1 Premutation. *Journal of Speech, Language, and Hearing Research*, 67, 2316-2332. PMC11253810. https://doi.org/10.1044/2024_JSLHR-23-00580
- 36) Shi, D., Fairchild, A.J., & Wiedermann, W. (2023). One step at a time: A statistical approach for distinguishing mediators, confounders, and colliders using direction dependence analysis (DDA). *Psychological Methods*. Advance online publication. <https://psycnet.apa.org/doi/10.1037/met0000619>
- 37) Shi, D., Shi, D., & Fairchild, A.J. (2023). Variable selection for mediators under a Bayesian mediation model. *Structural Equation Modeling: A Multidisciplinary Journal*, 30(6), 887-900. <https://doi.org/10.1080/10705511.2022.2164285>
- 38) Zoh, R.S., Hannon, B.A., Yu, X., Fairchild, A.J., ..., & Allison, D.B. (2023). Design, Analysis, and Interpretation of Treatment Response Heterogeneity in Personalized Nutrition and Obesity Treatment Research. *Obesity Reviews*, e13635. <https://doi.org/10.1111/obr.13635>
- 39) Deng, A., *Roberts, A., *Zhang, G., *Taylor, S., Fairchild, A.J., & Zarrett, N. (2023). Examining the factor structure and validity of the social motivational orientations in sport scale. *International Journal of Sport & Exercise Psychology*, 22, 1480-96. <https://doi.org/10.1080/1612197X.2023.2224969>
- 40) Sweeney, A.M., Wilson, D.K., Zarret, N., Martin, P., Hardin, J., Fairchild, A.J., Mitchell, S., & Decker, L. (2023). An overview of the Together Everyone Achieves More Physical Activity (TEAM-PA) trial to increase physical activity among African American women. *Contemporary Clinical Trials*, 129, 107207. PMC10225344. <https://doi.org/10.1016/j.cct.2023.107207>
- 41) *Yin, Y., Shi, D., & Fairchild, A.J. (2022). The Effect of Model Size on the Root Mean Square Error of Approximation (RMSEA): The Nonnormal Case. *Structural*

- Equation Modeling: A Multidisciplinary Journal*, 30, 378-92.
<https://doi.org/10.1080/10705511.2022.2127729>
- 42) Klusek, J., Newman-Norlund, R., **Fairchild, A.J.**, Newman-Norland, S., Sayers, S., Stewart, J.C., Berry-Kravis, E., & Fridriksson, J. (2022). Low-Zone *FMR1* Genotype in Older Adult Women: Psychological Well-being and Motor Function. *Archives of Gerontology & Geriatrics*, 103, 104789. PMID: PMC9464716. <https://doi.org/10.1016/j.archger.2022.104789>
- 43) Klusek, J., **Fairchild, A.J.**, *Moser, C., Mailick, M.R., Thurman, M.R., & Abbeduto, L. (2022). Family History of FXTAS is associated with Age-related Cognitive-Linguistic Decline among Mothers with the *FMR1* Premutation. *Journal of Neurodevelopmental Disorders*, 14, 7. PMID: PMC8903682. <https://doi.org/10.1186/s11689-022-09415-3>
- 44) *Shramm, A.T., Swan, S.C., **Fairchild, A.J.**, Fisher, B.S., Coker, A.L., & Williams, C.M. (2022). Physical intimate partner violence on college campuses: Re-victimization of sexual minority students and their help-seeking behavior. *Journal of Gay & Lesbian Social Services*, 35, 51-67. <https://doi.org/10.1080/10538720.2022.2045242>
- 45) McDaniel, H.L., Harrison, S.E., **Fairchild, A.J.**, & Li, X. (2022). Future Orientation Among Children Affected by Parental HIV in China: An Exploratory Analysis of Complex Interactions. *Frontiers in Sociology | Public Mental Health*, 7, 899537. PMID: PMC9300854. <https://doi.org/10.3389/fsoc.2022.899537>
- 46) Pavlov, G., Shi, D., Maydeu-Olivares, A., & **Fairchild, A.J.** (2021). Desirability matching in forced-choice test construction. *Personality & Individual Differences*, 183, 111114. <https://doi.org/10.1016/j.paid.2021.111114>
- 47) Lohman, M.C., Mezuk, B., **Fairchild, A.J.**, Resciniti, N.V., & Merchant, A.T. (2021). The Role of Frailty in the Association Between Depression and Fall Risk Among Older Adults. *Aging & Mental Health*, 26, 1805-12. <https://doi.org/10.1080/13607863.2021.1950616>
- 48) Zarrett, N., Wilson, D.K., Sweeney, A., Bell, B., **Fairchild, A.J.**, Pinto, B., Miller, C., & Thames, T. (2021). An overview of the Connect through PLAY randomized controlled trial to increase physical activity in underserved adolescents. *Contemporary Clinical Trials*, 114, 106677. <https://doi.org/10.1016/j.cct.2022.106677>
- 49) *Moser, C., *Schmitt, L., Schmidt, J., **Fairchild, A.J.** & Klusek, J. (2021). Response Inhibition Deficits in Women with the *FMR1* Premutation are Associated with Age and Fall Risk. *Brain & Cognition*, 148: 105675. PMID: PMC7945960. <https://doi.org/10.1016/j.bandc.2020.105675>
- 50) Klotsman, M., Coquery, S., Sathyan, G., Naageshwaran, V., Shivanand, P., **Fairchild, A.J.**, Garden, O., & Anderson, W.H. (2021). Pharmacokinetics and Pharmacodynamics of Immediate- and Extended-release Mycophenolic acid Preparations in Healthy Beagle Dogs. *Frontiers in Veterinary Science | Pharmacology & Toxicology*, 7, 611404. PMID: PMC7876310. <https://doi.org/10.3389/fvets.2020.611404>
- 51) Lohman, M.C., **Fairchild, A.J.**, & Merchant, A.T. (2020). Antidepressant Use Partially Mediates the Association Between Depression and Fall Risk Among

- Older Adults. *Journal of Gerontology, Series A: Medical Sciences*, 76, e171-8. PMC8361338. <https://doi.org/10.1093/gerona/glaa253>
- 52) *Schramm, A., *Pandya, K, **Fairchild, A.J.**, Venta, A., deRoon-Cassini, T. & Sharp, C. (2020). Decreases in psychological inflexibility predict PTSD symptom improvement in inpatient adolescents. *Journal of Contextual Behavioral Science*, 17, 102-8. <https://doi.org/10.1016/j.jcbs.2020.06.007>
- 53) *McLaurin, K.A., Mactutus, C.F., Booze, R.M., & **Fairchild, A.J.** (2019). An empirical mediation analysis of mechanisms underlying HIV-1 associated neurocognitive disorders. *Brain Research*, 1724: 146436. PMC7092796. <https://doi.org/10.1016/j.brainres.2019.146436>
- 54) Klusek, J., **Fairchild, A.J.**, & Roberts, J.E. (2019). Vagal tone as a mechanism for pragmatic competence: An investigation of carriers of the *FMR1* premutation. *Journal of Autism and Developmental Disorders*, 49, 197-208. PMC6855249. <https://doi.org/10.1007/s10803-018-3714-7>
- 55) Maydeu-Olivares, A., Shi, D., & **Fairchild, A.J.** (2019). Estimating causal effects in linear regression models with observational data: The causal instrumental variables regression model. *Psychological Methods*, 25, 243-58. <https://psycnet.apa.org/doi/10.1037/met0000226>
- 56) **Fairchild, A.J.**, Cai, C., *McDaniel, H., Shi, D., Gottschall, A., & Masyn, K. (2019). Evaluating a method to estimate mediation effects with discrete-time survival outcomes. *Frontiers in Psychology: Quantitative Psychology & Measurement*, 10, 740. PMC6460901. <https://doi.org/10.3389/fpsyg.2019.00740>
- 57) **Fairchild, A.J.**, Gupta-Kagan, J., & Stevens Andersen, T. (2019). Operationalizing Intake: Variations in Juvenile Court Intake Procedures and Their Implications. *Children and Youth Services Review*, 102, 91-101. <https://doi.org/10.1016/j.childyouth.2019.05.003>
- 58) Shi, D., Lee, T., **Fairchild, A.J.**, & Maydeu-Olivares, A. (2019). Fitting ordinal factor analysis models with missing data: A comparison between pairwise deletion and multiple imputation. *Educational and Psychological Measurement*, 80, 41-66. PMC6943991. <https://doi.org/10.1177/0013164419845039>
- 59) Roberts, J.E., Crawford, H. Hogan, A.L., **Fairchild, A.J.**, Tonnsen, B., *Brewer, A., *O'Connor, S., & *Roberts, D.J. (2019). Social avoidance emerges in infancy and persists into adulthood in Fragile X syndrome. *Journal of Autism and Developmental Disorders*, 49, 3753-66. PMC6698894. <https://doi.org/10.1007/s10803-019-04051-8>
- 60) *Ezell, J., Hogan, A., **Fairchild, A.J.**, Hills, K., Klusek, J., Abbeduto, L., & Roberts, J.E. (2019). Prevalence and predictors of anxiety disorders in adolescent and adult males with Autism Spectrum Disorder and Fragile X Syndrome. *Journal of Autism and Developmental Disorders*, 49, 1131-41. PMC6596989. <https://doi.org/10.1007/s10803-018-3804-6>
- 61) Weist, M.D., McWhirter, C., **Fairchild, A.J.**, *Bradley, W.J., Carson, J., Miller, E., & *Hartley, S. (2019). Assessing acceptability of the term: "Psychopathology" among youth aged 18-25. *Community Mental Health Journal*, 55, 463-6. <https://psycnet.apa.org/doi/10.1007/s10597-018-0306-0>

- 62) *Lu, Q., Mihalik, B.J., Heere, B., Meng, F., & **Fairchild, A.J.** (2019). Media effect on resident attitudes toward an Olympic bid. *Tourism Management Perspectives*, 29, 66-75. <https://doi.org/10.1016/j.tmp.2018.10.009>
- 63) Pavlov, G., Maydeu-Olivares, A., & **Fairchild, A.J.** (2018). Effects of applicant faking on forced-choice and Likert scores. *Organizational Research Methods*, 22, 710-39. <https://doi.org/10.1177/1094428117753683>
- 64) *Moore, K.D & **Fairchild, A.J.** (2018). Investigating construct validity of the Cyber-Peer Experiences Questionnaire. *European Journal of Psychological Assessment*, 34, e1-8. <https://doi.org/10.1027/1015-5759/a000457>
- 65) Roberts, J.E., *Ezell, J.E., **Fairchild, A.J.**, Klusek, J., Thurman, A.J., McDuffie, A., & Abbeduto, L. (2018). Biobehavioral composite of social aspects of anxiety in young adults with Fragile X contrasted to Autism Spectrum Disorder. *American Journal of Medical Genetics Part B*, 177b, 665-75. PMC6532983. <https://doi.org/10.1002/ajmg.b.32674>
- 66) *McLaurin, K.A., Li, H., Booze, R.M., **Fairchild, A.J.**, & Mactutus, C.F. (2018). Unraveling individual differences in the HIV-1 transgenic rat: Therapeutic efficacy of methylphenidate. *Scientific Reports*, 8:136, 1-16. PMC5760575. <https://doi.org/10.1038/s41598-017-18300-2>
- 67) Church, C.E. & **Fairchild, A.J.** (2017). In search of a silver bullet: Child welfare's embrace of predictive analytics. *Juvenile and Family Court Journal*, 68, 67-81. <https://doi.org/10.1111/jfcj.12086>
- 68) *Moore, K.D., **Fairchild, A.J.**, Wooten, N.R., & *Ng, Z.J. (2017). Evaluating behavioral health interventions for military-connected youth: A systematic review. *Military Medicine*, 182, 1836-45. PMC5728367. <https://doi.org/10.7205/MILMED-D-17-00060>
- 69) Maydeu-Olivares, A., **Fairchild, A.J.** & *Hall, A.G. (2017). Goodness of fit in item factor analysis: Effect of the number of response alternatives. *Structural Equation Modeling: A Multidisciplinary Journal*, 24, 495-505. <https://doi.org/10.1080/10705511.2017.1289816>
- 70) *Patel, C.C., **Fairchild, A.J.** & Prinz, R.J. (2017). Potential mediators in parenting and family intervention: Quality of mediation analyses. *Clinical Child and Family Psychology Review*, 20, 127-45. [PMc5457710. https://doi.org/10.1007/s10567-016-0221-2](https://doi.org/10.1007/s10567-016-0221-2)
- 71) **Fairchild, A.J.**, Heiney, S.P., Baruth, M., Tavakoli, A., Hayne, P.D. & *McDaniel, H.L. (2017). Mediators of social connection in a group teleconference intervention. *Research and Theory for Nursing Practice*, 31, 121-36. <https://doi.org/10.1891/1541-6577.31.2.121>
- 72) Klusek, J., Schmidt, J., **Fairchild, A.J.**, *Porter, A. & Roberts, J.E. (2017). Altered sensitivity to social gaze in the FMR1 premutation and pragmatic language competence. *Journal of Neurodevelopmental Disorders*, 9:31, 1-10. PMC5569479. <https://doi.org/10.1186/s11689-017-9211-z>
- 73) Li, X., Harrison, S.E., **Fairchild, A.J.**, Chi, P., Zhao, J. & Zhao, G. (2017). A randomized controlled trial of a resilience-based intervention on psychosocial well-being of children affected by HIV/AIDS: Effects at 6- and 12- month follow-up. *Social Science and Medicine*, 190, 256-64. PMC6205509. <https://doi.org/10.1016/j.socscimed.2017.02.007>

- 74) *McLaurin, K.A., Booze, R.M., Mactutus, C.F., & **Fairchild, A.J.** (2017). Sex matters: Robust sex differences in the HIV-1 transgenic rat. *Frontiers in Psychology: Behavioral Neuroscience*, *11*, 1-11. PMC5681841. <https://doi.org/10.3389/fnbeh.2017.00212>
- 75) Zhang, F. **Fairchild, A.J.**, & Li, X. (2017). Visual antipriming effect: Evidence from Chinese character recognition. *Frontiers in Psychology: Cognition*, *8*, 1-6. PMC5651016. <https://doi.org/10.3389/fpsyg.2017.0179>
- 76) **Fairchild, A. J.**, *Abara, W.E., Gottschall, A.C., Tein, J.Y., & Prinz, R.J. (2015). Improving our ability to evaluate underlying mechanisms of behavioral onset and other event occurrence outcomes: A discrete-time survival mediation model. *Evaluation and the Health Professions*, *38*, 315-42. [PMC4594798. https://doi.org/10.1177/0163278713512124](https://doi.org/10.1177/0163278713512124)
- 77) *Abara, W.E., *Coleman J., **Fairchild A.J.**, Gaddist B., & White J. (2015). A faith-based community partnership to address HIV/AIDS in the southern US: Implementation, challenges, and lessons learned. *Journal of Religion and Health*, *54*, 122-33. <https://doi.org/10.1007/s10943-013-9789-8>
- 78) **Fairchild, A.J.**, & MacKinnon, D.P. (2014). Using mediation and moderation analyses to enhance prevention research. In Z. Sloboda & H. Petras (eds.), *Advances in Prevention Science, Vol 1. Defining Prevention Science* (pp. 537-55). New York, NY: Springer. https://doi.org/10.1007/978-1-4899-7424-2_23
- 79) George, M.W., **Fairchild, A.J.**, Cummings, E.M., & Davies, P.T. (2014). Marital Conflict in Early Childhood and Adolescent Disordered Eating: Emotional Insecurity as an Explanatory Mechanism. *Eating Behaviors*, *15*, 532-9. PMC5488871. <https://doi.org/10.1016/j.eatbeh.2014.06.006>
- 80) *Abara, W.E., Smith, L.L., Zhang, S., **Fairchild, A.J.**, Heiman, H.J., & Rust, G. (2014). The influence of race and comorbidity on the timely initiation of antiretroviral therapy among older persons living with HIV/AIDS. *American Journal of Public Health*, *104*, 135-41. PMC4202940. <https://doi.org/10.2105/AJPH.2014.302227>
- 81) *Abara, W.E., Annang, L., Spencer, S.M., **Fairchild, A.J.**, & Billings, D. (2014). Understanding Internet sex-seeking behavior and sexual risk among young men who have sex with men: Evidence from a cross-sectional study. *Sexually Transmitted Infections*, *90*, 596-601. <https://doi.org/10.1136/sextrans-2014-051545>
- 82) Enders, C.K., **Fairchild, A.J.** & MacKinnon, D.P. (2013). A Bayesian approach for estimating mediation effects with missing data. *Multivariate Behavioral Research*, *48*, 340-69. PMC3769802. <https://doi.org/10.1080/00273171.2013.784862>
- 83) Salari, R., Fabian, H., Prinz, R.J., Lucas, S., Feldman, I., **Fairchild, A.J.** & Sarkadi, A. (2013). The Children and Parents in Focus project: A population-based cluster-randomised controlled trial to prevent behavioural and emotional problems in children. *BMC Public Health*, *13*, 961. PMC4016486. <https://doi.org/10.1186/1471-2458-13-961>
- 84) Ranby, K., MacKinnon, D.P., **Fairchild, A.J.**, Elliot, D.L., Kuehl, K.S., & Goldberg, L. (2011). The PHLAME (Promoting Healthy Lifestyles: Alternative Models' Effects) Firefighter Study: Testing Mediating Mechanisms. *Journal of*

Occupational Health Psychology, 16, 501-13. PMC3328097.

<https://doi.org/10.1037/a0023002>

85) MacKinnon, D.P., Fritz, M.S., & Fairchild, A.J. (2007). Datasets and computer. [CD-ROM]. In D.P. MacKinnon, *Introduction to statistical mediation analysis*. Newark, NJ: Lawrence Erlbaum Associates.

CURRENT/PENDING GRANT FUNDING

Mentor PI: Hamrick	<i>Vocal Development and Social Communication Outcomes of Children with an Older Sibling with Autism</i> . NIDCD. \$1,071,116 . 07/01/25-06/30/30.
Co-I PI: Hogan	<i>Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome</i> . NIMH. 2R01MH107573-06. \$3,611,853 . 07/01/23-06/30/28.
Co-I & Admin Core PI: Roberts	<i>Translation of the FMR1 Premutation Phenotypes Across the Lifespan</i> . NICHD. P50HD118708. \$6,372,985 . 10/01/25-09/30/30.
Co-sponsor PI: Hantman	<i>Maternal-Child RSA Synchrony in Infants with Fragile-X Syndrome</i> . \$140,256 . NICHD. 1F31HD114363-01. 08/15/23-08/14/26.
Mentor MPI: Zhang & Li	<i>Predocutorial Training in Big Data Analytics for Infectious Disease Research</i> . \$1,565,000 . NIAID. R25AI172761-01. 06/31/23-05/30/28.
Co-I PI: Klusek	<i>Aging Symptom Trajectories in Mother Carriers of the FMR1 Premutation</i> . \$2,925,011 . NIA. 1R01AG073374-01A1. 07/15/22-03/31/27.
Co-I PI: Roberts	<i>Autonomic and Sensory Dysfunctions in FMR1 Conditions: Development, Mechanisms, and Consequences</i> . \$3,733,720 . NICHD. 1R01HD106652. 07/08/22-04/30/27.
Co-sponsor PI: McLaurin	<i>Neurocognitive Impairments Resulting from Adolescent Prescription Opioid Use Disorder: Longitudinal Impact, Neural Mechanisms, and Comorbidities</i> . NIDA. \$1,009,848 . 1K99DA056288-01. 04/01/22-03/31/27.
Co-I PI: Sweeney	<i>The Together Everyone Achieves More Physical Activity Trial</i> . \$3,719,268 . NHLBI. R01HL16068. 01/15/22-12/31/26.

PAST GRANT FUNDING

- Co-I**
PI: Weist *Patient-Centered Enhancements in School Behavioral Health.*
\$5,090,123. PCORI, IHS-2018-C1-10928. 01/01/19-3/31/25.
- Co-sponsor**
PI: Harrison *Improving the HIV Care Continuum for Youth in the Deep South through Mobile Health Technology.* **\$763,030.** NIMH.
1K01MH118073-01A1. 04/01/19-03/31/24.
- Co-I**
PI: Klusek *Aging Symptom Trajectories in Mother Carriers of the FMR1 Premutation: Administrative Supplement.* **\$33,549.00.** NIA.
3R01AG073374-02S1. 04/01/2023 - 03/31/2024.
- Co-I**
PI: Beets *What's UP (Undermining Prevention) with Summer? Etiology of Accelerated Weight Gain during Summer vs. School Year.*
\$3,646,977. NIDDK. 1R01DK116665-01. 12/01/18-11/30/23.
- Co-I**
PI: Zarrett *Connect through PLAY: A staff-based physical activity intervention for middle school youth.* **\$3,419,790.** NINR.
1R01NR017619-01. 06/11/18-05/31/23.
- Co-I**
MPI: Mactutus/Booze *Neurobiological Mechanisms of Apathy in HIV-1-Associated Neurocognitive Disorders (HAND).* **\$1,831,250.** NINDS.
1R01NS100624-01A1. 07/01/17-6/30/22.
- Co-I**
PI: Klusek *Aging Language Trajectories in Premutation Carrier Mothers.*
\$439,000. NIDCD. 1R21DC017804-01. 04/01/19-03/31/22.
- Co-I**
MPI: Booze/Mactutus *HIV/Cocaine Neurotoxicity in Females.* NIDA. 2R01DA013137-19. **\$3,263,400.** 05/01/17-02/28/22.
- Co-I**
PI: Klusek *Aging Language Trajectories in Premutation Carrier Mothers: Administrative Supplement.* **\$244,237.** NIDCD.
3R21DC017804-02S1. 04/01/20-03/31/21.
- Co-I**
PI: Klusek *Defining the Language Phenotype of the FMR1 Premutation.*
\$146,500. NICHD. 1R03HD098291-01. 04/01/19-03/31/21.
- Co-I**
PI: Lohman *Mechanisms of Increased Fall Risk among Older Adults with Depression: A Causal Mediation Analysis.* **\$284,910.** NIA.
1R21AG064310-01. 08/01/19-05/31/21.
- Co-sponsor**
PI: Will *Early Features of Autism Risk in Down Syndrome.* **\$182,398.**
NICHD. 1F32HD097877-01. 01/01/19-12/31/21.
- PI** *Investigating the Impact of Juvenile Court Intake Structure on Decision-making Outcomes & Inequities in Juvenile Justice.*
\$99,793.17. SCRF. ASPIRE-II. 07/01/17-9/30/21.

Sponsor PI: McDaniel	<i>Advancing Understanding of Dynamic Mechanisms in Onset to Event Models: Discrete Time Survival Mediation with a Time Variant Mediator. \$1,000. APF. 2017-18.</i>
Sponsor PI: McDaniel	<i>SEARCH-ing for Resilience in Youth Impacted by Parental HIV/AIDS in China. \$15,000. James N. Morgan Fund. 01/27/18-01/27/19.</i>
Co-I PI: Roberts	<i>Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome. NIMH. 2R01MH10757301A1. \$3,550,989. 09/01/16-08/31/21.</i>
Co-I MPI: Mactutus/Booze	<i>Progression of Attentional and Executive Function Deficits in HAND. \$1,831,250. NIMH. 1R01MH106392-04. 07/01/16-6/30/21.</i>
Co-I PI: Prinz	<i>Online vs Staff delivery: Child & Family Outcomes, Value Analysis, Satisfaction. \$3,200,000. NIMH. 1R01MH097699-01A1. 09/05/13-08/31/18.</i>
Co-I PI: Prinz	<i>Concurrent treatment of substance abuse and child maltreatment. \$3,624,964. NIDA. 1R01DA031780. 04/01/12 - 03/31/17.</i>
PI	<i>Mediation in Survival and onset-to-growth models applied to youth substance onset. \$970,854. NIDA. 1R01DA030349-01A1. 03/15/11-02/28/16.</i>
Consultant PI: MacKinnon	<i>Estimating Mediation Effects in Prevention Research. \$750,000. NIDA. 2R01DA009757. 07/01/09- 6/30/14.</i>

INVITED TALKS

2025	<i>The Questions We Ask Shape the Answers We Get.</i> Invited talk presented at the Department of Graduate Psychology. James Madison University College of Health and Behavioral Studies, Harrisonburg, VA.
2023	<i>Data Science as a Tool for Persuasion.</i> Invited talk presented at The Barton Child Law and Policy Center. Emory University School of Law, Atlanta, GA.
2021	<i>Data Science for All.</i> Invited talk presented at Bryn Mawr College. Bryn Mawr, PA.
2021	<i>Mentoring Graduate Students.</i> Invited speaker for the Junior Faculty Development Program. College of Arts & Sciences. University of South Carolina, Columbia, SC.

- 2021 *Incorporating Diversity into your Teaching*. Invited talk presented at the Department of Psychology Faculty Retreat. University of South Carolina, Columbia, SC.
- 2019 *In Search of a Silver Bullet: Child Welfare's Embrace of Predictive Analytics*. National Conference on Parent Representation. Tyson's Corner, VA (with Christopher Church).
- 2018 *Untangling the why of when*. Invited talk presented at the Department of Prevention and Community Health, Milken Institute School of Public Health, George Washington University, Washington, D.C.
- 2017 *Mediation analysis and the science of prevention*. Invited talk presented at the 3rd International Symposium on Health and Development of Vulnerable Children. Henan University. Kaifeng, China.
- 2015 *Mediation analysis and beyond*. Invited symposium presented at the 15th Annual PUC Goias Meeting of Psychology. Pontificia Universidade Catolica de Goiás. Goiânia, Brazil.
- 2014 *How do contextual factors influence causal processes? Conditional Process Models*. Invited talk presented at What Works, Under What Circumstances and How? Methods for Unpacking the "Black Box" of Programs and Policies Meeting. OPRE, ACF, DHHS, Washington, DC.
- 2014 *Using mediation and moderation analyses to enhance prevention research*. Invited talk presented to the Department of Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina, Columbia, SC.
- 2012 *Responding to reviewers' comments: Lessons learned from successful grant revisions*. Moderated panel discussion presented at the USC Research Consortium on Children and Families Annual Retreat, Columbia, SC.
- 2012 *On the moderation of mechanisms*. Invited symposium presented at the 24th annual meeting of the Association for Psychological Science, Chicago, IL.
- 2010 *Investigating mediation and moderation effects in prevention and intervention work*. Invited talk presented at the Sapienza Università di Roma, Rome, Italy.

- 2008 *Can a mediation model explain an interaction effect in my data?* Invited symposium presented at the 20th annual meeting of the Association for Psychological Science, Chicago, IL.

WORKSHOPS & SHORT COURSES

- 2024 *Mediating and moderating variables: Real life examples and ethical issues.* NIH/NHLBI-sponsored short course (R25; MPI: Allison, Brown, Fontaine) on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, University of Arkansas for Medical Sciences, Little Rock, AR.
- 2024 *Mediation and moderation in clinical trials: General Linear Model Estimation.* NIH/NHLBI-sponsored short course (R25; MPI: Allison, Brown, Fontaine) on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, University of Arkansas for Medical Sciences, Little Rock, AR.
- 2023 *Mediating and moderating variables: Real life examples and ethical issues.* NIH/NHLBI-sponsored short course (R25; MPI: Allison, Brown, Fontaine) on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, Indiana University, Bloomington, IN.
- 2023 *Mediation and moderation in clinical trials: General Linear Model Estimation.* NIH/NHLBI-sponsored short course (R25; MPI: Allison, Brown, Fontaine) on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, Indiana University, Bloomington, IN.
- 2019 *Mediating and moderating variables: Testing in General Linear Models.* NIH/NHLBI-sponsored short course (R25; MPI: Allison, Brown, Fontaine) on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, Indiana University, Bloomington, IN.
- 2019 *Mediating and moderating variables: Real life examples and ethical issues.* NIH/NHLBI-sponsored short course (R25; MPI: Allison, Brown, Fontaine) on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, Indiana University, Bloomington, IN.
- 2019 *In Search of a Silver Bullet: Child Welfare's Embrace of Predictive Analytics.* American Bar Association Center on Children and the Law Conference. Conference workshop conducted at the National Conference on Parent Representation, Washington, DC.

- 2018 ***Mediating and moderating variables: Testing in General Linear Models.*** NIH/NHLBI-sponsored short course (R25; MPI: Allison, Brown, Fontaine) on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, UAB, Birmingham, AL.
- 2018 ***Mediating and moderating variables: Real life examples and ethical issues.*** NIH/NHLBI-sponsored short course (R25; MPI: Allison, Brown, Fontaine) on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, UAB, Birmingham, AL.
- 2017 ***Mediating and moderating variables: Testing in General Linear Models.*** NIH/NHLBI-sponsored short course (R25; MPI: Allison, Brown, Fontaine) on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, UAB, Birmingham, AL.
- 2017 ***Mediating and moderating variables: Real life examples and ethical issues.*** NIH/NHLBI-sponsored short course (R25; MPI: Allison, Brown, Fontaine) on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, UAB, Birmingham, AL.
- 2017 ***Basic Foundations of Research Design and Statistical Analysis.*** Short course conducted at Henan University. Kaifeng, China.
- 2017 ***Introduction to the American Academy and Current Trends in Psychological Research.*** Faculty short course conducted at Henan University. Kaifeng, China.
- 2017 ***Grant Writing and Publishing your Research.*** Short course conducted at Henan University. Kaifeng, China.
- 2016 ***Mediating and moderating variables: Testing in General Linear Models.*** NIH/NHLBI-sponsored short course (R25; MPI: Allison, Brown, Fontaine) on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, UAB, Birmingham, AL.
- 2016 ***Mediation, Moderation, and Conditional Process Models: Basic Foundations, Advanced Extensions, and Substantive Applications.*** 3-week short course on methodological foundations and advances in mediation analysis. Henan University, Kaifeng, China.
- 2015 ***Introduction to Mediation Analysis: Basic Foundations and Advanced Extensions.*** Short course. Department of Psychology, Pontificia Universidade Catolica de Goiás, Goiânia, Brazil.
- 2015 ***Mediating and moderating variables: Testing in General Linear Models.*** NIH/NHLBI-sponsored short course (R25; MPI: Allison, Brown, Fontaine)

on Strengthening Causal Inference in Behavioral Obesity Research.
School of Public Health, UAB, Birmingham, AL.

- 2014 ***Conducting mediation analyses.*** Workshop conducted at the ICPSR/NICHD-sponsored Summer Institute in LGBT Population Health, Fenway Institute & Boston University, Boston, MA.
- 2013 ***Using mediation analysis to enhance your research.*** Workshop conducted at the ICPSR/NICHD-sponsored Summer Institute in LGBT Population Health, Fenway Institute & Boston University, Boston, MA.

CONFERENCE PRESENTATIONS

* Indicates student co-author

- 1) **Fairchild, A.J.** (2026, March). *The Questions We Ask Shape the Path We Take.* Talk presented at the Mediation Variables & Prevention Science Mini-Conference. Tempe, AZ.
- 2) Savidge M., Adams E.L., ... **Fairchild A.J.**, et al. (2026, May). *Differences in Elementary-Aged Children's Meal Skipping Habits between School and Summer. Three-year findings from the What's UP (Undermining Prevention) with Summer Observational Cohort Study.* Talk submitted for presentation at the American Public Health Association. San Antonio, TX.
- 3) Shi, D., Wiedermann, W., **Fairchild, A.J.**, & Zhang, B. (2026, July). *Does X at Time 1 Cause Y at Time 2? Longitudinal Causal Learning with Hidden Confounders.* Talk submitted to the International Meeting of the Psychometric Society. Seoul, Korea.
- 4) Shi, D., Shi, D., & **Fairchild, A.J.** (2026, July). *An Exploratory Bayesian Mediation Model to Select Mediation Effects.* Talk submitted to the International Meeting of the Psychometric Society. Seoul, Korea.
- 5) Savidge M., Adams E.L., ... **Fairchild A.J.**, et al. (2026, May). *Differences in Elementary-Aged Children's Meal Timing between School and Summer. Three-year findings from the What's UP (Undermining Prevention) with Summer Observational Cohort Study.* Talk to be presented at the International Society of Behavioral Nutrition and Physical Activity Annual Meeting. Cadiz, Spain.
- 6) **Fairchild, A.J.** (2026, April). *Getting More Out of the Interventions You Deliver: Modern Analytic Tools to Strengthen our Understanding of What Works.* Talk to be presented at the 2026 Southeastern School Behavioral Health Conference. Greenville, SC.
- 7) Holmes, A.J., Beets, M., ... **Fairchild, A.J.**, et al. (2026, November). *Sleep Differences in Elementary-age Children by Household Income During School vs. Summer: Findings from the What's UP (Undermining Prevention) with Summer Observational Cohort Study.* Talk submitted for presentation at the 2026 meeting of the American Heart Association. Chicago, IL.

- 8) *Miles, A. & **Fairchild, A.J.** (2025, July). *An Exploration of R-squared Effect Size Measures in Mediation*. Poster presented at the XI European Congress of Methodology Conference. Tenerife, Spain.
- 9) *Eglitis, E., Beets, M., ... **Fairchild, A.J.**, et al. (2025, June). *Schools out, Rules Out: Parent rule changes over summer - Findings from the What's UP with Summer Observational Cohort Study*. Poster presented at the ISBNPA Annual Meeting, Auckland, NZ.
- 10) Holmes, A.J., Beets, M., ... **Fairchild, A.J.**, et al. (2025, June). *Accelerometry-derived Sleep Differences in Elementary-Age Children During School Vs. Summer: Findings from the What's UP with Summer Observational Cohort Study*. Paper presented at the ISBNPA Annual Meeting, Auckland, NZ.
- 11) *Hantman, R. M., *Cortez, K. B., *Hartley, L. S., **Fairchild, A. J.**, Arnold, H. P., & Roberts, J. E. (2025, April 30-May 3). *Family Environment and Child Adaptive Skills, Not Autism Symptoms, Predict Parenting Stress in FMR1 Conditions*. Poster presented at the INSAR Annual Meeting, Seattle, WA.
- 12) *Hantman, R. M., *Cortez, K. B., *Hartley, L. S., **Fairchild, A. J.**, Arnold, H. P., & Roberts, J. E. (2025, April) *Genetic Liability Versus Environmental Impacts in FMR1 Conditions: Predictors of Parenting Stress in FXp Mothers Differ by Child Genetic Status*. Paper presented at 57th Gatlinburg Conference. San Diego, CA.
- 13) **Fairchild, A.J.**, *Yin, Y., Astivia, O.L., Shi, D., & Baraldi, A.N. (2024, July). *Does choice of nonnormal data generation algorithm affect simulation results?* Paper presented at the 89th Annual Meeting of the Psychometric Society. Prague, CZ.
- 14) *Yin, Y., Shi, D., & **Fairchild, A.J.** (2024, July). *Estimating the root mean square error of approximation (RMSEA) with multiple imputed data under nonnormality*. Poster presented at the 89th Annual Meeting of the Psychometric Society. Prague, CZ.
- 15) *Hantman, R. M., Serang, S., *Hartley, L. S., **Fairchild, A. J.**, & Roberts, J. E. (2024, May). *Parental Stress in Fragile X Syndrome: Elevated Stress Trajectories in Mothers of Children with Co-Occurring Autism Spectrum Disorder*. Poster presented at the INSAR Annual Meeting. Melbourne, AU.
- 16) Arnold, H.P., Smith, J.G., *Hunt, E., Hogan, A.L., **Fairchild, A.J.**, & Roberts, J.E. (2024, April). *Cardiac Indices of Frustration Regulation in Boys with Fragile X Syndrome: Relations with ADHD Symptomology*. Poster presented at the 56th Gatlinburg Conference. Kansas City, MO.
- 17) *Miller, S. J., Harrison, S.E., **Fairchild, A.J.**, Goodrum, N., Li, X. (2023, July). *Experiences of Stigma, Social Support, and Anxiety in People Living with HIV in South Carolina: A Multiple Mediation Model*. Poster presented at the 12th Annual International AIDS Society Conference on HIV Science. Brisbane, AU.

- 18)*Yin, Y., Shi, D., & **Fairchild, A.J.** (2023, July). *The effect of model size on fit indices in ordinal factor analysis models*. Poster presented at the 88th Annual Meeting of the Psychometric Society. College Park, MD.
- 19)*Yin, Y., Shi, D., & **Fairchild, A.J.** (2023, June). *The effect of model size on the root mean square error of approximation (RMSEA): The nonnormal case*. Poster presented at the Modern Modeling Methods Conference. Storrs, CT.
- 20)Shi, D., **Fairchild, A.J.**, & Wiedermann, W. (2023, May). *One Step at a Time: A Statistical Approach for Distinguishing Mediators, Confounders, and Colliders using Direction Dependence Analysis (DDA)*. Poster presented at the 2023 American Causal Inference Conference. Austin, TX.
- 21)Hogan, A.L., *Smith, K., *Arnold, H., *Hunt, E., **Fairchild, A.J.**, & Roberts, J. (2023, May). *Longitudinal Investigation of Anxiety Symptoms and Physiological Regulation in Young Autistic Children*. Poster presented at the INSAR Annual Meeting. Stockholm, SE.
- 22)*Hantman, R.M., Will, E.A., *Layton, K., *Hartley, L.S., **Fairchild, A.J.**, & Roberts, J.E. (2023, May). *The differential impact of parental stress on maternal-child cortisol attunement in neurotypical development, autism, and Fragile X syndrome*. Poster presented at the INSAR Annual Meeting. Stockholm, SE.
- 23)Klusek, J., Gierman, J., **Fairchild, A.J.**, & Berry-Kravis, E. (2023, February). *A Novel Cognitive Stress Paradigm Reveals Subtle Cognitive Deficits associated with Alzheimer's Disease in Women with the FMR1 Premutation*. Paper presented at the 5th International Conference on FMR1 premutation. Bay of Islands, NZ.
- 24)Klusek, J., **Fairchild, A.J.**, Roberts, J. E., Abbeduto, L. (2022, July). *Anxiety, but not depression, predicts longitudinal increase in functional tremor symptoms in women with the FMR1 premutation during midlife*. Paper presented at the 18th NFXF International Fragile X Conference, San Diego CA.
- 25)Hogan, A., *Smith, K., Mian, N., Black, C., Knott, C., *Moser, C., Smith, J., Hills, K., **Fairchild, A.J.**, et al. (2021, May). *Utility of the Modified Anxiety Dimensional Observation Scale (M-AnxDOS) in preschoolers with autism spectrum disorder*. Talk presented at INSAR 2021 Annual Meeting. Virtual.
- 26)**Fairchild, A.J.**, Cai, C., & Shi, D. (2020, February). *Evaluating the methods of estimating mediation effects with discrete time survival outcomes*. Poster presented at the USC Big Data Health Science Conference. Columbia, SC.
- 27)*McLaurin, K.M. & **Fairchild, A.J.** (2020, February). *Mediating Mechanisms of Neurocognitive Decline in HAND*. Paper presented at the 32nd Annual Meeting of the Winter Conference on Neural Plasticity. St. Kitts & Nevis, Carib.

- 28)McDaniel, H.L. & **Fairchild, A.J.** (2020, May). *Innovative Quantitative Methodologies for Nested Data in Prevention Science Research*. Organized paper symposium presented at the 28th Annual SPR Meeting. Washington, D.C.
- 29)*McLaurin, K.A., Mactutus, C.F., Booze, & **Fairchild, A.J.** (2019, November). *Prepulse Inhibition: A Diagnostic Biomarker for HIV-1 Associated Neurocognitive Disorders*. Paper presented at the ISNV. Atlanta, GA.
- 30)*McLaurin, K.A., Mactutus, C.F., Booze, Shi, D., & **Fairchild, A.J.** (2019, October). *Valid Statistical Approaches for Clustered Data: A Monte Carlo Simulation Study*. Paper presented at the ISDP. Chicago, IL.
- 31)Gupta-Kagan, J., & **Fairchild, A.J.** (2019, March). *Juvenile Court Intake: Who Makes Decisions, How They Make Them, and Why It Matters*. NCJFCJ National Conference on Juvenile Justice. Las Vegas, NV.
- 32)*McDaniel, H.L., **Fairchild, A.J.**, & Li, X. (2018, October). *SEARCH-ing for Resilience in Youth Impacted by Parental HIV/AIDS in China*. Poster presented at the 2018 Annual Conference on Advancing School Mental Health, Las Vegas, NV.
- 33)**Fairchild, A.J.**, Church, C.E., & Gibbs, D.J. (2018, August). *In Search of a Silver Bullet: Child Welfare's Embrace of Predictive Analytics*. Paper presented at the 41st Annual Meeting of the National Child Welfare, Juvenile Justice, and Family Law Conference. Hosted by the NACC. San Antonio, TX.
- 34)Harrod, S., *McLaurin, K.A., Li, H., Booze, R.M., **Fairchild, A.J.**, & Mactutus, C.F. (2018, June). *Unraveling individual differences in the HIV-1 transgenic rat: Therapeutic efficacy of methylphenidate*. Poster presented at the 80th Annual Meeting of the CPDD. San Diego, CA.
- 35)**Fairchild, A.J.**, Gupta-Kagan, J., Stevens Andersen, T., Church, C.E., & *McDaniel, H.L. (2018, June). *Investigating the Impact of Juvenile Court Intake Structures on Decision-Making Outcomes and Inequities in Juvenile Justice*. Paper presented at the 26th Annual SPR Meeting, Washington, DC.
- 36)Roberts, J., Hogan, A.L., Crawford, H., **Fairchild, A.J.**, Tonnsen, B., *Brewer, A., *Roberts, D. (2018, May). *Social Impairments Emerge in Infancy and Persist into Childhood in FXS*. Paper presented at INSAR Annual Meeting. Rotterdam, NL.
- 37)*McDaniel, H. & **Fairchild, A.J.** (2018, May). *Advancing understanding of dynamic mechanisms involved in onset to adolescent alcohol use*. Round table presentation at the biannual meeting of the Mental Health-Education Integration Consortium, Colorado State University, Fort Collins, CO.

- 38)*League, A., *McLaurin, K., Li, H., Harrod, S., Booze, R., **Fairchild, A.J.**, & Mactutus, C. (2018, April). Poster presented at the SNIP Annual Meeting. Chicago, IL.
- 39)*Hurley, L., *Moore, K.D., & **Fairchild, A.J.** (2018, April). *Exploring prevalence rates and behavioral health correlates of cyberaggression and cybervictimization among adolescents and young adults*. Poster presented at Discover USC, Cola, SC.
- 40)*Schramm, A.T., *Pandya, K, **Fairchild, A.J.**, Venta, A., & Sharp, C. (2018, April). *Decreases in experiential avoidance predict PTSD symptom improvement and remission in inpatient adolescents*. Poster presented at the SCPA Annual Meeting. Charleston, SC.
- 41)Giugale, L., **Fairchild, A.J.**, Hasley, S., & Fairchild, P.S. (2017, October). *Prophylactic antibiotics at the time of obstetric anal sphincter injury repair: Are we meeting the mark?* Poster presented at the 38th AUGS Annual Meeting. Providence, RI.
- 42)Harrison, S., Li, X., **Fairchild, A.J.**, Chi, P., & Zhao, G. (2017, July). *A Randomized Controlled Trial of a Resilience-based Intervention for Children Affected by HIV/AIDS in Central China: Effects at 6- and 12-month Follow-up*. Poster presented at the Int. AIDS Society Conference on HIV Science, Paris, FR.
- 43)*Hall, A.G., **Fairchild, A.J.**, & Maydeu-Olivares, A. (2016, August). *An empirical investigation into the implications of varying the number of response alternatives in rating scales*. Poster presented at the APA annual conference, Denver, CO.
- 44)*McDaniel, H.L., George, M.W., & **Fairchild, A.J.** (2016, August). *Family processes and adolescent alcohol use: A discrete time survival mediation model*. Poster presented at the APA Annual Conference, Denver, CO.
- 45)*Moore, K., **Fairchild, A.J.**, Flory, K., & Landoll, R. (2015, April). *Investigating Construct Validity of the Cyber-Peer Experiences Questionnaire*. Poster presented at the SCPA Annual Convention, Myrtle Beach, SC.
- 46)*McDaniel, H.L., **Fairchild, A.J.**, *Moore, K.D. (2015, September). *Parent and Youth Religiosity as Protective Factors Against Substance Use*. Poster presented at the 9th World Congress on the Promotion of Mental Health and the Prevention of Mental and Behavioural Disorders, Columbia, South Carolina.
- 47)**Fairchild, A.J.** & Cai, C. (2015, July). *Evaluating the efficacy of two estimation strategies for discrete-time survival mediation effects: A simulation study comparison of the product of coefficients and a potential outcomes framework*. Poster presented at the 80th Annual Meeting of the Psychometric Society. Beijing, China.

- 48) **Fairchild, A.J.**, Masyn, K.E. & Gottschall, A.C. (2014, September). *Exploring a dual facet model for onset to growth data*. Poster presented at the 2014 Society for Research in Child Development Special Topic Meeting. San Diego, CA.
- 49)*Abara, W.E., Annang, L.A., Spencer, S.M., **Fairchild, A.J.**, & Billings, D. (2014, June). Prevalence and Correlates of Internet Sex Seeking Behavior Among Young Men Who Have Sex With Men: Is there more HIV/STI Risk? Paper presented at the National STD Prevention Conference, Atlanta, GA.
- 50) **Fairchild, A.J.**, Gottschall, A.C., Masyn, K.E. & Prinz, R.J. (2013, July). *Discrete time survival mediation analysis: A structural equation modeling approach*. Poster presented at the 78th Annual Meeting of the Psychometric Society, Arnhem, NL.
- 51) **Fairchild, A.J.**, Gottschall, A.C., Masyn, K.E. & Prinz, R.J. (2013, May). *Improving our ability to evaluate underlying mechanisms of event occurrence*. Poster presented at the 21st Annual SPR Meeting, San Francisco, CA.
- 52) Gottschall, A.C., **Fairchild, A.J.**, & Prinz, R.J. (2013, May). *Empirically illustrating discrete-time survival mediation analysis: A new tool to assess the how and when of event occurrence*. Poster presented at the 21st Annual SPR Meeting, San Francisco, CA.
- 53) Tein, J.T., MacKinnon, D.P. & **Fairchild, A.J.** (2013, May). *Power of testing mediation effects with censored continuous and discrete survival data*. Poster presented at the 21st Annual SPR Meeting, San Francisco, CA.
- 54) **Fairchild, A.J.** (2012, June). *Using mediation and moderation analyses to enhance prevention research in social science*. Poster presented at the 11th Annual Meeting of the HICSS, Honolulu, HI.
- 55) **Fairchild, A.J.** & Enders, C.K. (2011, July). *A Bayesian Parameter Simulation Approach to Estimating Mediation Effects with Missing Data*. Poster presented at the 76th Annual Meeting of the Psychometric Society, Hong Kong.
- 56) Tein, J.Y., MacKinnon, D. P., & **Fairchild, A. J.** (2011, July). *Using Survival Analysis to Estimate Mediated Effects with Discrete-Time and Censored Data*. Poster presented at the 76th Annual Meeting of the Psychometric Society, Hong Kong.
- 57) Wilson, D.K., *Lawman, H.G., *St. George, S.M., Heather Kitzman-Ulrich, H., *Segal, M. & **Fairchild, A.J.** (2011). A family systems approach for understanding youth obesity, dietary and physical activity programs. Paper presented at the USC Nutrition Center, Columbia, SC.

- 58) Smith, B., Sanders, M., *McQuillin, S.D., **Fairchild, A.J.**, Anello, V. (2010, November). *Investing in the future of psychotherapy research: Statistical best practices and seven methodological considerations for studying mechanisms of action*. Symposium presented at the 44th ACBT Annual Meeting, San Francisco, CA.
- 59) Malone, P.S., *Lubansky, J., & **Fairchild, A.J.** (2010, July). Modeling mediation by a latent class variable. Poster presented at 75th Annual Meeting of the Psychometric Society, Augusta, GA.
- 60) *Abara, W.E., Annang, L., Fernandes, P., **Fairchild, A.J.**, Williams, L., & Rose, I. (2010, June). Sexual risk-taking behavior and knowledge of STI prevention among first year college students: A preliminary analysis. Poster presented at the 18th Annual SPR Meeting, Denver, CO.
- 61) **Fairchild, A.J.**, *Abara, W.E., *McQuillin, S.D., & Taylor, A.B. (2010, June). When evaluation of moderation in component paths of the mediated model implies moderation of the product? Poster presented at the 18th Annual SPR Meeting, Denver, CO.
- 62) MacKinnon, D.P., & **Fairchild, A.J.** (2010, June). How mediation analyses can inform subgroup analyses. Paper presented at 18th Annual SPR Meeting, Denver, CO.
- 63) Malone, P.S., *Lamont, A., & **Fairchild, A.J.** (2010, June). An initial study of methods for testing indirect effects with imputed data. Poster presented at the 18th Annual SPR Meeting, Denver, CO.
- 64) Ranby, K., MacKinnon, D.P., **Fairchild, A.J.**, Elliot, D., Kuehl, K., & Goldberg, L. (2010, April). *Worksite wellness for firefighters: Mediating mechanisms for a team-based program*. Poster presented at the 31st Annual SBM Meeting, Seattle, WA.
- 65) *Van Eck, K., **Fairchild, A.J.**, Flory, K., & Malone, P.S. (2009, November). *Competent social problem-solving responses mediate social status for children with ADHD*. Paper presented at the ABCT Annual Meeting, New York City, NY.
- 66) Malone, P.S., **Fairchild, A.J.**, *Lamont, A.E., & *Northrup, T.F. (2009, July). *Confidence Intervals for Indirect Effects in Multiply Imputed Data*. Paper presented at the 74th Annual Meeting of the Psychometric Society, Cambridge, EN.
- 67) Ranby, K., **Fairchild, A.J.**, MacKinnon, D.P., et al. (2009, May). *Mediation Analysis of the PHLAME Intervention*. Poster presented at the 17th Annual SPR Meeting, Washington, DC.

- 68) Kitzman-Ulrich, H., Wilson, D. K., *Segal, M., **Fairchild, A.J.**, et al. (2009, April). *Integrating motivational and family variables to improve weight loss outcomes in underserved adolescents*. Paper presented at the 30th Annual SMB Meeting, Montreal, CA.
- 69) Ranby, K. W., **Fairchild, A.J.**, MacKinnon, D., et al. (2009, March). *Longitudinal mediation analyses of the PHLAME intervention: Health promotion among fire fighters*. Poster presented at the Annual HMC Meeting, Bethesda, MD.
- 70) **Fairchild, A.J.** & MacKinnon, D.P. (2008, May). *Comparing Frameworks for the Joint Analysis of Mediation and Moderation Effects*. Poster presented at the 16th Annual SPR Meeting, San Francisco, CA.
- 71) **Fairchild, A.J.**, & MacKinnon, D.P. (2007, May). *Joint Analysis of Moderation and Mediation Effects*. Paper presented at the 15th Annual SPR Meeting, Washington, DC.
- 72) **Fairchild, A.J.**, MacKinnon, D.P., et al. (2006, May). *Mediation analysis of the PHLAME intervention program*. Poster presented at the 14th Annual SPR Meeting, San Antonio, TX.
- 73) **Fairchild, A.J.**, & MacKinnon, D.P. (2005, August). *Developing significance tests for a person-centered approach to mediation*. Poster presented at the 113th Annual Meeting of the American Psychological Association, Washington, D.C.
- 74) Brown, R.C., & **Fairchild, A.J.** (2005, August). *Confirmatory Factor Analysis of the Penn State Worry Questionnaire*. Poster presented at the 115th Annual Meeting of the American Psychological Association, Washington, D.C.
- 75) **Fairchild, A.J.**, Horst, S.J., Finney, S.J., & Barron, K.E. (2004, April). *Evaluating New and Existing Validity Evidence for the Academic Motivation Scale*. Paper presented at the AERA Annual Meeting, San Diego, CA.
- 76) **Fairchild, A.J.**, Pastor, D.A. & Brennan, K.A. (2003, April). *Exploratory Factor Analysis of an Adult Attachment Measure*. Poster presented at the Virginia Psychological Association Spring Convention, Tysons Corner, VA.
- 77) **Fairchild, A.J.**, Horst, S.J., & Finney, S.J. (2003, April). *Confirmatory Factor Analysis of an Academic Motivation Scale*. Poster presented at the JMU Research Symposium, Harrisonburg, VA.

PROFESSIONAL SERVICE

2025

External Tenure & Promotion Reviewer, Psychology Dept., ECU

- 2024 **Appointed Member**, USC Educational Foundation Outstanding Service Award Committee, Office of the Provost, *USC*
- 2024 **Appointed Member**, Search Committee, HR Rep, Psychology Dept. *USC*
- 2024 **External Tenure & Promotion Reviewer**, College of Public Health, *USF*
- 2024 **Appointed Member**, Search Committee, Assistant to the Chair, Psychology Dept., *USC*
- 2024 **Appointed Member**, Search Committee, Grad. Coordinator, Psychology Dept., *USC*
- 2024 **Appointed Session Chair**, "Topics in Factor Analysis," International Meeting of the Psychometric Society. Prague, CZ.
- 2023 **External Tenure & Promotion Reviewer**, Developmental & Behavioral Pediatrics, Department of Pediatrics, College of Medicine, *OU*
- 2023 **External Tenure & Promotion Reviewer**, Quantitative Methods, Measurement, and Statistics, Psychological Sciences, *UC Merced*
- 2023 **Appointed Member**, Search Committee, Business Manager, Psychology Dept., *USC*
- 2023 **Appointed Member**, Search Committee, Assistant to the Chair, Psychology Dept., *USC*
- 2022-today **Standing (per Associate Department Chair role)**, Research Committee, Psychology Dept., *USC*
- 2022-today **Editorial Board Member**, *Evaluation & the Health Professions*
- 2022-today **Program Leader**, Mid-career Faculty Development Program, McCausland College of Arts & Sciences *University of South Carolina*
- 2022-2024 **Data Science Major, Social Science Concentration Subgroup**, Academic Planning & Curriculum Group, College of Arts & Sciences *University of South Carolina*
- 2022-2023 **Executive Council Member**, Phi Beta Kappa Alpha Chapter of South Carolina, Office of the Provost *University of South Carolina*

- 2022-2023 **Appointed Member**, Nominations Subcommittee, University Committee on Tenure & Promotions
University of South Carolina
- 2022 **External Tenure & Promotion Reviewer**, Dept of Biostatistics & Health Informatics, School of Mental Health and Psychological Sciences
King's College London
- 2022 **Appointed Chair**, Faculty Search Committee, Associate Professor of Quantitative Psychology, Department of Psychology
University of South Carolina
- 2021-2022 **Appointed Chair**, Faculty Search Committee, Assistant Professor of Quantitative Psychology, Department of Psychology,
University of South Carolina
- 2021 **External Tenure & Promotion Reviewer**, Curry School of Education & Human Development
University of Virginia
- 2021 **Appointed Reviewer**, Special Emphasis Panel/Scientific Review Group 2021/05 ZDE1 NB (15) R, NIDCR
National Institutes of Health
- 2020-2023 **Dean-appointed Faculty Associate**, CARE Team, Office of the Dean of Students, Student Affairs & Academic Support
University of South Carolina
- 2020-2023 **Elected Member**, University Committee on Tenure & Promotions
University of South Carolina
- 2020-2023 **Appointed Member**, Internal Rules Subcommittee, University Committee on Tenure & Promotions
University of South Carolina
- 2020-2023 **Elected Senator**, Faculty Senate
University of South Carolina
- 2020-2023 **Elected Member**, Committee on Academic Responsibility
University of South Carolina
- 2020-2022 **Dean-appointed Member**, Top Scholar Selection Committee, Office of Undergraduate Admission
University of South Carolina

- 2020-2021 **AP Research Capstone Mentor**, STEM Honors Magnet Program
Dutch Fork High School
- 2020-2021 **Member**, Advocacy & Policy Subcommittee of Provost's Advisory Committee on Women's Issues, Office of the Provost
University of South Carolina
- 2020-present **Appointed Member**, Executive Committee, Department of Psychology
University of South Carolina
- 2019-present **Statistical Editorial Board Member**, *International Journal of Obesity*
- 2019-2025 **Appointed Board Member**, NIDCR Data & Safety Monitoring Board, Oral Health Improvement in Individuals with Cognitive Impairment
National Institutes of Health
- 2019-2022 **Appointed Member**, Michael J. Mungo Graduate Award Committee, Office of the Provost
University of South Carolina
- 2018-2022 **Member**, Provost's Advisory Committee on Women's Issues, Office of the Provost
University of South Carolina
- 2018-2020 **Faculty Mentor**, Women's Mentor Network, Leadership & Service Center
University of South Carolina
- 2018-2020 **Member**, Diversity in Leadership Subcommittee, Provost's Advisory Committee on Women's Issues, Office of the Provost
University of South Carolina
- 2017-2020 **Appointed Principal Member**, Social & Behavioral Education Research Scientific Review Panel
Institute of Educational Sciences
- 2015-present **Faculty Associate**, Carolina Judicial Council, Office of Student Conduct & Academic Integrity, Student Affairs & Academic Support
University of South Carolina
- 2015-2020 **Faculty Student Organization Advisor**, Men's Ultimate Frisbee Team
University of South Carolina

- 2015-2019 **Elected Member**, Executive Committee, Department of Psychology
University of South Carolina
- 2019 **Poster Session Judge**, 2019 Atlantic Causal Inference Conference,
Pacific Institute for the Mathematical Sciences
McGill University
- 2019 **Proposal Reviewer**, Advanced Support Programs for Innovative
Research Excellence (ASPIRE), Office of the Vice President for
Research
University of South Carolina
- 2018 **Proposal Reviewer**, SPARC Graduate Research Grant Program, Office
of the Vice President for Research
University of South Carolina
- 2018 **Abstract Reviewer**, 2019 Annual Convention, Division 5 (Quantitative
& Qualitative Methods)
American Psychological Association
- 2017-2018 **Appointed Member**, Quantitative Psychology Faculty Search
Committee, Department of Psychology
University of South Carolina
- 2013-2018 **Member**, Curriculum Committee, Department of Psychology
University of South Carolina
- 2015-2017 **Member**, Experimental Program Awards Committee, Department of
Psychology
University of South Carolina
- 2017 **Appointed Member**, Quantitative Instructor Search Committee,
Department of Psychology
University of South Carolina
- 2016-2017 **Dean-appointed Member**, COVE (Communicating Our Value
Effectively) Working Group, College of Arts and Sciences
University of South Carolina
- 2015-2017 **Appointed Panel Member**, Social & Behavioral Education Research
Scientific Review Panel
Institution of Educational Sciences
- 2015-2016 **Chair**, CC Program Awards Committee, Department of Psychology
University of South Carolina

- 2014-2015 **Appointed Chair**, Faculty Search Committee, Professor of Quantitative Psychology, Department of Psychology
University of South Carolina
- 2014-2015 **Member**, CC Program Policy Committee, Department of Psychology
University of South Carolina
- 2013-2015 **Appointed Member**, Faculty Search Committee, Open-rank Professor of Quantitative Psychology, Department of Psychology
University of South Carolina
- 2013-2015 **Appointed Member**, Advisory Committee for Faculty Hiring Initiatives, Department of Psychology
University of South Carolina
- 2011-2015 **Member**, CC Program Awards Committee, Department of Psychology
University of South Carolina
- 2010-2012 **Member**, Experimental Program Curriculum Committee, Department of Psychology
University of South Carolina
- 2011 **Appointed Member**, Instructor Review Committee, Department of Psychology
University of South Carolina
- 2010 **Proposal Reviewer**, Magellan Scholar Program
University of South Carolina
- 2008-2011 **Statistical & Methodological Advisor to Editorial Board**, *Journal of School Psychology*
- 2008 **Proposal Reviewer**, 2009 Annual Meeting
Society for Prevention Research
- 2003-2004 **President**, Psychological Graduate Student Association
James Madison University
- Ad-hoc reviewer **Psychological Methods**
Multivariate Behavioral Research
Structural Equation Modeling: A Multidisciplinary Journal
Prevention Science
Biometrics
British Journal of Mathematical & Statistical Psychology
Educational & Psychological Measurement

Behavior Research Methods
Health Psychology

AFFILIATIONS

Current	Association for Psychological Science
Current	Psychometric Society
Past	Society for Prevention Research
Past	American Psychological Association
Past	American Educational Research Association
Past	American Statistical Association

OFFERED COURSES

Graduate	Quantitative Methods for Behavioral Data 1 (ANOVA)
	Quantitative Methods for Behavioral Data II (Regression Analysis)
	Psychological Assessment and Measurement
	Structural Equation Modeling
	Introduction to Statistical Mediation Analysis
Undergrad	Introduction to Psychological Statistics
	Big Data, Big Decisions

STUDENT THESES & DISSERTATIONS

2024-2026	Doctoral Dissertation Reader: Enid Keseko, <i>"The Role of Food Documentaries on Shaping Dietary Intake and Improving Diet Quality among Overweight and Obese Adults"</i>
2024-2026	Doctoral Dissertation Co-Chair: Yunhang Yin, <i>"Double Trouble: Evaluating Methods to Jointly Handle Non-Normality and Missing Data in Structural Equation Modeling"</i>
2023-2025	Master's Thesis Reader: AB Reese, <i>"Moderation of Treatment Effects in the Autoregressive Latent Change Score Model"</i>
2022-2024	Master's Thesis Chair: Qiulin Lu, <i>"Do Cross-loadings on a Mediator affect Mediation Inferences?"</i>
2022-2024	Master's Thesis Co-Chair: Guyin Zhang, <i>"Comparing Likert and Slider Response Formats in Clinical Assessment"</i>
2021-2024	Doctoral Dissertation Reader: Erin Hunt, <i>"The Relation between Early Biobehavioral Components of Self-Regulation and Later Executive Functioning in Children with Fragile X Syndrome"</i>

- 2021-2023 **Master's Thesis Co-Chair:** Yunhang Yin, *"The Effect of Model Size on the RMSEA: The Nonnormal Case"*
- 2021-2022 **Master's Thesis Co-Chair:** Tristan Collier, *"An Evaluation of a School Mental Health Program for Underserved Youth in Rural SC"*
- 2021-2022 **Master's Thesis Reader:** Sarah Miller, *"Experiences of Stigma, Social Support, and Anxiety in People Living with HIV in SC"*
- 2021-2022 **Honors Thesis Reader:** David Bu, *"Predictors of Depression Symptoms in Young Adults"*
- 2017-2020 **Doctoral Dissertation Reader:** Kristen McLaurin, *"Therapeutic strategies for altering the trajectory of neurocognitive impairments in HIV-1 associated neurocognitive disorders in the post-cart era"*
- 2017-2018 **Master's Thesis Reader:** Jessica Illenberger, *"Sex differences in predicting nicotine-induced behavioral sensitization from habituation to novelty and initial drug response"*
- 2017-2018 **Doctoral Dissertation Reader:** Andrew Schramm, *"Internalized homophobia and alcohol use as predictors of intimate partner violence perpetration among cisgender sexual minority men"*
- 2016-2018 **Doctoral Dissertation Chair:** Heather McDaniel, *"Advancing our Understanding of Dynamic Mechanisms in Onset to Event Models: Discrete Time Survival Mediation with a Time Variant Mediator"*
- 2016-2018 **Doctoral Dissertation Chair:** Kendall Moore, *"Exploring Construct Validity and Measurement Invariance of the Cyberbullying Experiences Survey"*
- 2016-2018 **Doctoral Dissertation Reader:** Sara Matherly, *"The Effects of Autism Severity and Social Anxiety on Pragmatic Language in Young Adult Males with Fragile X Syndrome"*
- 2016-2018 **Doctoral Dissertation Reader:** Abby Bode, *"Developing a Measure of Empowerment in School Mental Health"*
- 2017 **Honor's Thesis Reader:** Jack Dowling, *"Comparing Two Organizational Structures in Professional Ultimate"*
- 2015-2017 **Master's Thesis Chair:** Alexander Hall, *"Dimensionality and Instrument Validation in Factor Analysis: Effect of the Number of Response Alternatives"*

- 2015-2016 **Master's Thesis Reader:** Andrew Schramm, *"Help-seeking and Intimate Partner Violence Re-victimization of Sexual Minority and Heterosexual College Students"*
- 2013-2015 **Doctoral Dissertation Reader:** Qiulin Lu, *"Media Effect on Resident Attitude Toward Hosting the Olympic Games: A Cross-National Study between China and the US"*
- 2013-2015 **Master's Thesis Chair:** Kendall Moore, *"Investigating Construct Validity of the Cyber-Peer Experiences Questionnaire"*
- 2011-2014 **Doctoral Dissertation Reader:** Winston Abara, *"Understanding Online and Offline Sex Seeking Behavior Among Young Men who have Sex with Men: Implications for HIV/AIDS Interventions"*
- 2011-2014 **Doctoral Dissertation Reader:** Sandra Coulon, *"A Bioecological Approach to Understanding the Interaction of Environmental Stress and Susceptibility in Influencing Cortisol and Blood Pressure in African American Adults"*
- 2010-2011 **Master's Thesis Reader:** Sandra Coulon, *"The Relationship between Self-Efficacy and Interpersonal and Neighborhood Social Factors on Physical Activity in Low-Income, African American Adults"*
- 2008-2011 **Doctoral Dissertation Reader:** Michelle Segal, *"The Role of Self-Efficacy as a Mediator Between Parent Social Support and Physical Activity in Male and Female Adolescents"*
- 2008-2010 **Doctoral Dissertation Reader:** Catherine Cheely, *"The Stress Context: Mediator or Moderator of the Relation Between Maternal and Adolescent Depression"*

STUDENT COMMITTEES

- 2025 *Comprehensive Exam Committee Chair:* Qiulin Lu
- 2025 *Comprehensive Exam Committee Co-Chair:* Guyin Zhang
- 2025 *PhD Orals Committee Member,* Rachel Hantman
- 2025 *Comprehensive Exam Committee Member:* Thomas Christensen
- 2024 *Comprehensive Exam Committee Co-Chair:* Yunhang Yin
- 2023 *PhD Orals Committee Member.* Erin Hunt
- 2021 *Comprehensive Exam Committee Member:* Carly Moser
- 2021 *Comprehensive Exam Committee Member:* Raul Ferraz
- 2020 *Top Scholars First Year Mentor:* Emma Wilkie (McNair Scholar)
- 2020 *AP Capstone Research Mentor:* Sean Won
- 2019 *Summer Internship Committee Chair:* John Cody Mactutus
- 2017 *PhD Orals Committee Chair:* Heather McDaniel
- 2017 *PhD Orals Committee Chair:* Kendall Moore

2017	<i>PhD Orals Committee member: Kristen McLaurin</i>
2017	<i>PhD Orals Committee member: Andrew Schramm</i>
2017	<i>PhD Orals Committee member: Abby Bode</i>
2017	<i>Masters Orals Committee Chair: Alexander Hall</i>
2017	<i>Comprehensive exam committee member: Kristen McLaurin</i>
2016	<i>Comprehensive Exam Committee Member: Allison Stafford</i>
2016	<i>Comprehensive Exam Committee Chair: Heather McDaniel</i>
2016	<i>PhD Orals Committee member: Victoria Macht</i>
2015-2017	<i>Comprehensive exam committee member: Andrew Schramm</i>
2015-2016	<i>Comprehensive Exam Committee Chair: Kendall Moore</i>
2015-2016	<i>Comprehensive exam committee member: Chandni Patel</i>
2013-2015	<i>Comprehensive exam committee member: Qiulin Lu</i>
2013	<i>Dissertation orals committee member: Charity Griffin</i>

PROFESSIONAL DEVELOPMENT

2024	Academic Leadership Training Program (competitive selection), McCausland College of Arts & Sciences <i>University of South Carolina</i>
2024	Leading with Conversational Impact, Curating Culture Series, McCausland College of Arts & Sciences <i>University of South Carolina</i>
2024	Cultivating Cultural Humility, Curating Culture Series, McCausland College of Arts & Sciences <i>University of South Carolina</i>
2023-2024	Emerging Leaders Program (competitive selection), Office of Organizational and Professional Development, Division of HR <i>University of South Carolina</i>
2021	21 Day Equity Challenge, Collaborative on Race, McCausland College of Arts & Sciences <i>University of South Carolina</i>
2020	Diversity & Inclusion Mid-career Faculty Development Program <i>University of South Carolina</i>
2020	Diversity Matters Workshop: Future of DEI at U of SC, OMSA <i>University of South Carolina</i>
2020	Alphabet Soup Workshop: Southern Queer Lives, OMSA <i>University of South Carolina</i>
2020	Alphabet Soup Workshop: LGBTQ+ Community in SC, OMSA <i>University of South Carolina</i>

- 2020 **Diversity Matters Workshop: The Illusion of Solidarity: Why the term BIPOC can be Problematic**, OMSA
University of South Carolina
- 2020 **Diversity Matters Workshop: Black in the Ivory**, OMSA
University of South Carolina
- 2020 **Diversity Matters Workshop: Making Equitable Room at the Table**, OMSA
University of South Carolina
- 2020 **Safe Zone Ally Program**, Office of Organizational & Professional Development, Division of HR
University of South Carolina
- 2018 **Diversity & Inclusion in the Workplace Professional Development Workshop**, The Office of Equal Opportunity Program
University of South Carolina
- 2020 **Harassment & Discrimination Prevention Professional Development Workshop**, The Office of Equal Opportunity Programs
University of South Carolina
- 2018 **EDU: Clery Act Basics Professional Development Workshop**, The Office of Equal Opportunity Programs
University of South Carolina