

# AMANDA J. FAIRCHILD

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AMANDA.FAIRCHILD@SC.EDU

## EDUCATION

- 2008      **Ph.D. Psychology**, Quantitative Psychology Concentration  
*Arizona State University*
- 2004      **M.A. Psychological Science**, Assessment & Measurement Concentration  
*James Madison University*
- 2000      **B.A. Psychology with Highest Distinction**  
*University of North Carolina*

## PROFESSIONAL EXPERIENCE

- 2022-present    **Associate Department Chair of Operations & Communication**,  
Department of Psychology  
*University of South Carolina*
- 2022-2023      **Faculty Development Program Leader**, College of Arts & Sciences  
*University of South Carolina*
- 2020-present    **Professor**, Department of Psychology  
*University of South Carolina*
- 2016-present    **Faculty Associate**, SmartState Center for Healthcare Quality, Arnold  
School of Public Health  
*University of South Carolina*
- 2014-2019      **Associate Professor**, Department of Psychology  
*University of South Carolina*
- 2015              **Visiting Professor**, Department of Psychology  
*Pontifícia Universidade Católica de Goiás*
- 2008-2020      **Faculty Affiliate**, Research Consortium on Children and Families  
*University of South Carolina*
- 2008-2014      **Assistant Professor**, Department of Psychology  
*University of South Carolina*
- 2004-2008      **Graduate Research Assistant**, Department of Psychology  
*Arizona State University*
- 2002-2004      **Student Affairs Assessment Coordinator**, Educational Support Programs  
*James Madison University*
- 2001-2001      **Post baccalaureate Research Assistant**, Department of Epidemiology

*University of North Carolina*

2000-2001 **Post baccalaureate Research Assistant**, Department of Psychology  
*University of North Carolina*

## HONORS & AWARDS

2022 **Carolinian Creed Champion Award**, 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**, 80<sup>th</sup> 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

### *Technical Mediation & Causal Inference*

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, 1045-1056. (**AGReMA Group Member**) doi:10.1001/jama.2021.14075

- 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*, 243-258. PMID: 31294588. DOI: 10.1037/met0000226
- 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. PMID: 31024391. PMCID: PMC6460901. DOI: 10.3389/fpsyg.2019.00740
- Fairchild, A.J.** & \*McDaniel, H.L. (2017). Best (but oft-forgotten) practices: Mediation analysis. *American Journal of Clinical Nutrition, 105*, 1259-1271. PMID: 28446497. PMCID: PMC5445681. DOI: 10.3945/ajcn.117.152546
- \*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. PMID: 28028654. PMCID: PMC5457710. DOI: 10.1007/s10567-016-0221-2
- 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*, 315-342. PMID: 24296470. PMCID: PMC4594798. DOI: 10.1177/0163278713512124
- 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. 537-555). New York, NY: Springer. DOI: 10.1007/978-1-4899-7424-2\_23
- Enders, C.K., **Fairchild, A.J.** & MacKinnon, D.P. (2013). Using Bayesian parameter simulation to evaluate mediation effects with missing data. *Multivariate Behavioral Research, 48* 340-369. PMID: 24039298. PMCID: PMC3769802. DOI: 10.1080/00273171.2013.784862
- 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*, 53-84. PMID: 20006988. PMCID: PMC5488867. DOI: 10.1016/j.jsp.2009.09.001
- MacKinnon, D.P., & **Fairchild, A.J.** (2009). Current directions in mediation analysis. *Current Directions in Psychology, 18*, 16-20. PMID: 20157637. PMCID: PMC2821103. DOI: 10.1111/j.1467-8721.2009.01598.x
- Fairchild, A.J.**, MacKinnon, D.P., Taborga, M.P., & Taylor, A.B. (2009). R<sup>2</sup> effect size measures for mediation analysis. *Behavioral Research Methods, 41*, 486-498. PMID: 19363189. PMCID: PMC2930209. DOI: 10.3758/BRM.41.2.486
- Fairchild, A.J.**, & MacKinnon, D.P. (2009). A general model for testing mediation and moderation effects. *Prevention Science, 10*, 87-99. PMID: 19003535. PMCID: PMC2908713. DOI: 10.1007/s11121-008-0109-6
- 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.

MacKinnon, D.P., **Fairchild, A.J.**, & Fritz, M.S. (2007). Mediation analysis. *Annual Review of Psychology*, *58*, 593-614. <https://doi.org/10.1146/annurev.psych.58.110405.085542>

*Applied Mediation & Causal Inference*

Gupta-Kagan, J., **Fairchild, A.J.**, & Barclay, A. (2021). Who Decides: The Impact of Prosecutorial and Agency Power on Juvenile Court Intake. *Justice Quarterly*. *Under review*.

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*. DOI: 10.1080/13607863.2021.1950616

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-e178. PMID: 33017840. PMCID: PMC8361338. DOI: 10.1093/gerona/glaa253

\*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. PMID: 31513791. PMCID: PMC7092796. DOI: 10.1016/j.brainres.2019.146436

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. PMID: 30097759. PMCID: PMC6855249. DOI: 10.1007/s10803-018-3714-7

**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*, 121-136. PMID: 28482993. DOI: 10.1891/1541-6577.31.2.121

\*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*, 666-674. PMID: 22888813. PMCID: PMC3502660. DOI: 10.1037/a0029129

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*, 501-513. PMID: 21728433. PMCID: PMC3328097. DOI: 10.1037/a0023002

*Technical Psychometrics & Evaluation*

- \*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*. In press.
- Pavlov, G., Shi, D., Maydeu-Olivares, A., & **Fairchild, A.J.** (2021). Desirability matching in forced-choice test construction. *Personality & Individual Differences, 183*. doi: 10.1016/j.paid.2021.111114.
- 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. PMID: 31933492. PMCID: PMC6943991. DOI: 10.1177/0013164419845039
- Pavlov, G., Maydeu-Olivares, A., & **Fairchild, A.J.** (2018). Effects of applicant faking on forced-choice and Likert scores. *Organizational Research Methods, 22*, 710-739. <https://doi.org/10.1177/1094428117753683>
- 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, 24*, 495-505. <https://doi.org/10.1080/10705511.2017.1289816>
- 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>
- 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*, 331-358. <https://doi.org/10.1016/j.cedpsych.2004.11.001>

#### *Applied Psychometrics & Evaluation*

- 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>
- \*Moore, K.D & **Fairchild, A.J.** (2018). Investigating construct validity of the Cyber-Peer Experiences Questionnaire. *European Journal of Psychological Assessment, 34* (3), e1-e8. <https://doi.org/10.1027/1015-5759/a000457>
- \*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*, 1836-1845. PMID: 29087850. PMCID: PMC5728367. DOI: 10.7205/MILMED-D-17-00060

#### *Other Technical*

- 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>

*Other Applied: Mental and Behavioral Health & Developmental Disorders*

- 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. (2022). Utility of the Modified Anxiety Dimensional Observation Scale (M-Anx-DOS) in Autistic Preschoolers. *Journal of Child Psychology & Psychiatry*. Under review.
- 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*. In press.
- 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: 35026985. PMCID: PMC8903682. DOI: 10.1186/s11689-022-09415-3
- 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*. DOI: 10.1016/j.cct.2022.106677
- \*Shramm, A.T., Swan, S.C., **Fairchild, A.J.**, Fisher, B.S., Coker, A.L., & Williams, C.M. (2021). Help-seeking and the Recurring Intimate Partner Violence Victimization of Sexual Minority and Heterosexual College Students. *Journal of Gay & Lesbian Social Services*. In press.
- \*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: 33387817. DOI: 10.1016/j.bandc.2020.105675
- \*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, 102-108. <https://doi.org/10.1016/j.jcbs.2020.06.007>
- 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, 3753-3766. PMID: 31165359. PMCID: PMC6698894. DOI: 10.1007/s10803-019-04051-8
- \*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, 1131-1141. PMID: 30430320. PMCID: PMC6596989. DOI: 10.1007/s10803-018-3804-6
- 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, 463-466. PMID: 30076504. DOI: 10.1007/s10597-018-0306-0

- 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, 665-675. PMID: 30307687. PMCID: PMC6532983. DOI: 10.1002/ajmg.b.32674
- 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, 172-184. <https://doi.org/10.1177/1098300717753832>
- 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. PMID: 28835209. PMCID: PMC5569479. DOI: 10.1186/s11689-017-9211-z
- 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. PMID: 24131587. PMCID: PMC4016486. DOI: 10.1186/1471-2458-13-961
- 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, 231-253. PMID: 20689989. PMCID: PMC3293190. DOI: 10.1007/s10567-010-0073-0
- Other Applied: HIV & Pharmacology*
- 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*. *In press*.
- 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. PMCID: PMC7876310. [DOI: 10.3389/fvets.2020.611404](https://doi.org/10.3389/fvets.2020.611404)
- \*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. PMID: 29317696. PMCID: PMC5760575. DOI: 10.1038/s41598-017-18300-2
- 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, 256-264. PMID: 28215430. PMCID: PMC6205509. DOI: 10.1016/j.socscimed.2017.02.007
- \*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. PMID: 29163084. PMCID: PMC5681841. DOI: 10.3389/fnbeh.2017.00212

- \*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. PMID: 24173601. DOI: 10.1007/s10943-013-9789-8
- \*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. PMID: 25211735. PMCID: PMC4202940. DOI: 10.2105/AJPH.2014.302227
- \*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. PMID: 25063349. DOI: 10.1136/sextrans-2014-051545

*Other Applied: Miscellaneous*

- \*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>
- Zhang, F., **Fairchild, A.J.**, & Li, X. (2017). Visual antipriming effect: Evidence from Chinese character recognition. *Frontiers in Psychology: Cognition*, 8, 1-6. PMID: 29089908. PMCID: PMC5651016. DOI: 10.3389/fpsyg.2017.01791
- 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, 532-539. PMID: 25113902. PMCID: PMC5488871. DOI: 10.1016/j.eatbeh.2014.06.006

## CURRENT/PENDING GRANT FUNDING

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|---|---|
| <b>Mentor</b><br>PI: <i>Quattlebaum</i> | <i>Integrating Family Resilience and Cultural Assets to Inform the LEADS Health Promotion Trial with African American Families.</i> \$92,072. 1F31MD017456-01. 07/01/22-06/01/24.                               |
| <b>Co-I</b><br>PI: <i>Klusek</i>        | <i>Aging Symptom Trajectories in Mother Carriers of the FMR1 Premutation.</i> \$2,925,011. NIA. 1R01AG073374-01A1. 07/15/22-03/31/27.   |
| <b>Co-I</b><br>PI: <i>Roberts</i>       | <i>Autonomic and Sensory Dysfunctions in FMR1 Conditions: Development, Mechanisms, and Consequences.</i> \$3,733,720. NICHD. 1R01HD106652. 07/08/22-04/30/27.   |
| <b>Mentor</b><br>PI: <i>McLaurin</i>    | <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. |
| <b>Co-I</b><br>PI: <i>Sweeney</i>       | <i>The Together Everyone Achieves More Physical Activity Trial.</i> \$3,719,268. NHLBI. R01HL16068. 01/15/22-12/31/26.  |

- Mentor** *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.  
PI: Harrison
- Co-I** *Patient-Centered Enhancements in School Behavioral Health.* \$5,090,123. PCORI, IHS-2018-C1-10928. 01/01/19-12/31/23.  
PI: Weist
- Co-I** *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.  
PI: Beets
- Co-I** *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.  
PI: Zarrett

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### PAST GRANT FUNDING

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- Co-I** *Neurobiological Mechanisms of Apathy in HIV-1-Associated Neurocognitive Disorders (HAND).* \$1,831,250. NINDS. 1R01NS100624-01A1. 07/01/17-6/30/22.  
MPI: Mactutus/  
Booze
- Co-I** *Aging Language Trajectories in Premutation Carrier Mothers.* \$439,000. NIDCD. 1R21DC017804-01. 04/01/19-03/31/22.  
PI: Klusek
- Co-I** *HIV/Cocaine Neurotoxicity in Females.* NIDA. 2R01DA013137-19. \$3,263,400. 05/01/17-02/28/22.  
MPI: Booze/  
Mactutus
- Co-I** *Aging Language Trajectories in Premutation Carrier Mothers: Administrative Supplement.* \$244,237. NIDCD. 3R21DC017804-02S1. 04/01/20-03/31/21.  
PI: Klusek
- Co-I** *Defining the Language Phenotype of the FMR1 Premutation.* \$146,500. NICHD. 1R03HD098291-01. 04/01/19-03/31/21.  
PI: Klusek
- Co-I** *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.  
PI: Lobman
- Mentor** *Early Features of Autism Risk in Down Syndrome.* \$182,398. NICHD. 1F32HD097877-01. 01/01/19-12/31/21.  
PI: Will
- 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.
- Mentor** *Advancing Understanding of Dynamic Mechanisms in Onset to Event Models: Discrete Time Survival Mediation with a Time Variant Mediator.* \$1,000. APF. 2017-18.  
PI: McDaniel
- Mentor** *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.  
PI: McDaniel
- Co-I** *Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome.* NIMH. 2R01MH10757301A1. \$3,550,989. 09/01/16-08/31/21.  
PI: Roberts
- Co-I** *Progression of Attentional and Executive Function Deficits in HAND.* \$1,831,250. NIMH. 1R01MH106392-04. 07/01/16-6/30/21.  
MPI: Mactutus/  
Booze

- Co-I** *Online vs Staff delivery: Child & Family Outcomes, Value Analysis, Satisfaction.*  
PI: Prinz \$3,200,000. NIMH. 1R01MH097699-01A1. 09/05/13-08/31/18.
- Co-I** *Concurrent treatment of substance abuse and child maltreatment.* \$3,624,964. NIDA.  
PI: Prinz 1R01DA031780. 04/01/12 – 03/31/17.
- PI** *Mediation in Survival and onset-to-growth models applied to youth substance onset.* \$970,854.  
NIDA. 1R01DA030349-01A1. 03/15/11-02/28/16.
- Mentor** *Evaluation of Transitional Mentoring Program Effects on Middle School Students.* \$3,000.  
PI: Ingram Magellan Scholar Program. 2010.
- Consultant** *Estimating Mediation Effects in Prevention Research.* \$750,000. NIDA. 2R01DA009757.  
PI: MacKinnon 07/01/09- 6/30/14.

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### INVITED TALKS

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- 2021 *Data Science for All.* Invited talk presented at Bryn Mawr College. Bryn Mawr, PA.
- 2021 *Mentoring Graduate Students.* 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 3<sup>rd</sup> International Symposium on Health and Development of Vulnerable Children. Henan University. Kaifeng, China.
- 2015 *Mediation analysis and beyond: The science of prevention.* Invited symposium presented at the 15<sup>th</sup> Annual PUC Goiás Meeting of Psychology. Pontificia Universidade Catolica de Goiás. Goiânia, Brazil.
- 2014 *How do contextual factors influence causal processes? Condition Process Models.* Invited talk presented at What Works, Under What Circumstances and How? Methods for Unpacking the "Black Box" of Programs and Policies Meeting. Office of Planning, Research and Evaluation; Administration for Children and Families; US Department of Health and Human Services. 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 24<sup>th</sup> 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 Universita di Roma, Rome, Italy.
- 2008 *Can a mediation model explain an interaction effect in my data?* Invited symposium presented at the 20<sup>th</sup> annual meeting of the Association for Psychological Science, Chicago, IL.

### WORKSHOPS & SHORT COURSES

- 2019 *Mediating and moderating variables: Testing in General Linear Models.* NIH/NHLBI-sponsored 5-day short course 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 5-day short course 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 5-day short course 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 5-day short course 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 5-day short course 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 5-day short course on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, UAB, Birmingham, AL.
- 2017 *Basis Foundations of Research Design and Statistical Analysis.* 1-week short course conducted at Henan University. Kaifeng, China.
- 2017 *Introduction to the American Academy and Current Trends in Psychological Research.* 1-week, faculty short course conducted at Henan University. Kaifeng, China.

- 2017 *Grant Writing and Publishing your Research*. 1-week, faculty short course conducted at Henan University. Kaifeng, China.
- 2016 *Mediating and moderating variables: Testing in General Linear Models*. NIH/NHLBI-sponsored 5-day short course 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*. 5-day 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 5-day short course on Strengthening Causal Inference in Behavioral Obesity Research. School of Public Health, UAB, Birmingham, AL.
- 2014 *Conducting mediation analyses*. 2-day 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*. 1-day workshop conducted at the ICPSR/NICHD-sponsored Summer Institute in LGBT Population Health, Fenway Institute & Boston University, Boston, MA.

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### CONFERENCE PRESENTATIONS

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\* Indicates student co-author

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*. Abstract presented at the 18th NFXF International Fragile X Conference, San Diego CA

Hogan, A., \*Smith, K., Mian, N., Black, C., Knott, C., \*Moser, C., Smith, J., Hills, K., **Fairchild, A.J.**, Carter, A., & Roberts, J. (2021, May). Utility of the Modified Anxiety Dimensional Observation Scale (M-AnxDOS) in preschoolers with autism spectrum disorder. Talk presented at the INSAR 2021 Virtual Annual Meeting.

**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 University of South Carolina Big Data Health Science Conference. Columbia, SC.

\*McLaurin, K.M. & **Fairchild, A.J.** (2020, February). *Mediating Mechanisms of Neurocognitive Decline in HAND*. Paper presented at the 32<sup>nd</sup> Annual Meeting of the Winter Conference on Neural Plasticity. St. Kitts & Nevis, Caribbean.

- McDaniel, H.L. & **Fairchild, A.J.** (2020, May). *Innovative Quantitative Methodologies for Nested Data in Prevention Science Research*. Organized paper symposium presented at the Society for Prevention Research Annual Meeting. Washington, D.C.
- \*McLaurin, K.A., Mactutus, C.F., Booze, & **Fairchild, A.J.** (2019, November). *Prepulse Inhibition: A Diagnostic Biomarker for HIV-1 Associated Neurocognitive Disorders*. International Symposium on NeuroVirology. Atlanta, GA.
- \*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*. International Society for Developmental Psychobiology. Chicago, IL.
- Gupta-Kagan, J., & **Fairchild, A.J.** (2019, March). *Juvenile Court Intake: Who Makes Decisions, How They Make Them, and Why It Matters*. National Council of Juvenile and Family Court Judges, National Conference on Juvenile Justice. Las Vegas, NV.
- \*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.
- 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 41<sup>st</sup> Annual Meeting of the National Child Welfare, Juvenile Justice, and Family Law Conference. Hosted by the National Association of Counsel for Children. San Antonio, TX.
- 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 80<sup>th</sup> Annual Meeting of the College on Problems of Drug Dependence. San Diego, CA.
- 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 26<sup>th</sup> Annual Society for Prevention Research Meeting, Washington, DC.
- 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 Fragile X Syndrome*. Paper presented at the Annual Meeting of the International Society for Autism Research. Rotterdam, Netherlands.
- \*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.
- \*League, A., \*McLaurin, K., Li, H., Harrod, S., Booze, R., **Fairchild, A.J.**, & Mactutus, C. (2018, April). Poster presented at the Annual Meeting of the Society on NeuroImmune Pharmacology. Chicago, IL.

- \*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 the Annual Meeting of Discover USC, Columbia, SC.
- \*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 Annual Meeting of the South Carolina Psychological Association.
- 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 38<sup>th</sup> Annual Meeting of the American Urogynecologic Society. Providence, RI.
- 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 International AIDS Society Conference on HIV Science, Paris, France.
- \*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 annual conference of the American Psychological Association, Denver, CO.
- \*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 Annual Conference of the American Psychological Association, Denver, CO.
- \*Moore, K., **Fairchild, A.J.**, Flory, K., & Landoll, R. (2015, April). *Investigating Construct Validity of the Cyber-Peer Experiences Questionnaire*. Poster presented at the Annual Convention of the South Carolina Psychological Association, Myrtle Beach, SC.
- \*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.
- 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 80<sup>th</sup> Annual Meeting of the Psychometric Society. Beijing, China.
- 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: Developmental Methodology. San Diego, CA.
- \*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?* Oral Presentation presented at the National STD Prevention Conference, Atlanta, GA.

- 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 78<sup>th</sup> Annual Meeting of the Psychometric Society, Arnhem, Netherlands.
- 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 21<sup>st</sup> Annual Meeting of the Society for Prevention Research, San Francisco, CA.
- 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 21<sup>st</sup> Annual Meeting of the Society for Prevention Research, San Francisco, CA.
- 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 21<sup>st</sup> Annual Meeting of the Society for Prevention Research, San Francisco, CA.
- Fairchild, A.J.** (2012, June). *Using mediation and moderation analyses to enhance prevention research in social science*. Poster presented at the 11<sup>th</sup> Annual Meeting of the Hawaii International Conference on Social Sciences, Honolulu, HI.
- Fairchild, A.J.** & Enders, C.K. (2011, July). *A Bayesian Parameter Simulation Approach to Estimating Mediation Effects with Missing Data*. Poster presented at the 76<sup>th</sup> Annual Meeting of the Psychometric Society, Hong Kong.
- 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 76<sup>th</sup> Annual Meeting of the Psychometric Society, Hong Kong.
- 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.
- 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 44<sup>th</sup> annual meeting of the Association for Cognitive & Behavioral Therapies, San Francisco, CA.
- Malone, P.S., \*Lubansky, J., & **Fairchild, A.J.** (2010, July). Modeling mediation by a latent class variable. Poster presented at the 75<sup>th</sup> Annual Meeting of the Psychometric Society, Augusta, GA.
- \*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 18<sup>th</sup> Annual Meeting of the Society for Prevention Research, Denver, CO.
- 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 18<sup>th</sup> Annual Meeting of the Society for Prevention Research, Denver, CO.

- MacKinnon, D.P., & **Fairchild, A.J.** (2010, June). How mediation analyses can inform subgroup analyses. Paper presented at the 18<sup>th</sup> Annual Meeting of the Society for Prevention Research, Denver, CO.
- 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 18<sup>th</sup> Annual Meeting of the Society for Prevention Research, Denver, CO.
- 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 31<sup>st</sup> Annual Meeting of the Society for Behavioral Medicine, Seattle, WA.
- \*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 meeting of the Association of Behavioral and Cognitive Therapy, New York City, NY.
- 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 16<sup>th</sup> Annual Meeting of the Psychometric Society, Cambridge, England.
- Ranby, K., **Fairchild, A.J.**, MacKinnon, D.P., Elliot, D., Kuehl, K., Goldberg, L., DeFrancesco, C., Dulacki, K., McGinnis, W., & Moe, E. (2009, May). *Mediation Analysis of the PHLAME Intervention*. Poster presented at the 17<sup>th</sup> Annual Meeting of the Society for Prevention Research, Washington, DC.
- Kitzman-Ulrich, H., Wilson, D. K., \*Segal, M., **Fairchild, A.J.**, Schneider, E., \*Mijares, S., & Blair, S. (2009, April) *Integrating motivational and family variables to improve weight loss outcomes in underserved adolescents*. Paper presentation at the 30<sup>th</sup> Annual Society of Behavioral Medicine, Montreal, Canada.
- Ranby, K. W., **Fairchild, A.J.**, MacKinnon, D., Elliot, D., Kuehl, K., Goldberg, L., DeFrancesco, D., Dulacki, K., McGinnis, W., & Moe, E. (2009, March). *Longitudinal mediation analyses of the PHLAME intervention: Health promotion among fire fighters*. Poster presented at the Annual Meeting of the Health Maintenance Consortium, Bethesda, MD.
- Fairchild, A.J.** & MacKinnon, D.P. (2008, May). *Comparing Frameworks for the Joint Analysis of Mediation and Moderation Effects*. Poster presented at the 16<sup>th</sup> Annual Meeting of the Society for Prevention Research, San Francisco, CA.
- Fairchild, A.J.**, & MacKinnon, D.P. (2007, May). *Joint Analysis of Moderation and Mediation Effects*. Paper presented at the 15<sup>th</sup> Annual Meeting of the Society for Prevention Research, Washington, DC.
- Fairchild, A.J.**, MacKinnon, D.P., et al. (2006, May). *Mediation analysis of the PHLAME intervention program*. Poster presented at the 14<sup>th</sup> Annual meeting of the Society for Prevention Research, San Antonio, TX.

- Fairchild, A.J.**, & MacKinnon, D.P. (2005, August). *Developing significance tests for a person-centered approach to mediation*. Poster presented at the 113<sup>th</sup> Annual Meeting of the American Psychological Association, Washington, D.C.
- Brown, R.C., & **Fairchild, A.J.** (2005, August). *Confirmatory Factor Analysis of the Penn State Worry Questionnaire*. Poster presented at the 115<sup>th</sup> Annual Meeting of the American Psychological Association, Washington, D.C.
- 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 Annual Meeting of the American Educational Research Association, San Diego, CA.
- 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.
- 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.

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### PROFESSIONAL SERVICE

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| 2022-2023    | <b>Faculty Development Program Leader</b> , Mid-career Faculty Development Program, College of Arts & Sciences<br><i>University of South Carolina</i>                                  |
| 2022-2025    | <b>Executive Council Member</b> , Phi Beta Kappa Alpha Chapter of South Carolina, Office of the Provost<br><i>University of South Carolina</i>   |
| 2022-present | <b>Data Science Major, Social Science Concentration Subgroup</b> , Academic Planning & Curriculum Group, College of Arts & Sciences<br><i>University of South Carolina</i>             |
| 2022-present | <b>Editorial Board Member</b> , <i>Evaluation &amp; the Health Professions</i>   |
| 2022-present | <b>Appointed Committee Member</b> , Nominations Subcommittee, University Committee on Tenure & Promotions<br><i>University of South Carolina</i>                                       |
| 2022         | <b>External Tenure &amp; Promotion Reviewer</b> , Department of Biostatistics & Health Informatics, School of Mental Health and Psychological Sciences<br><i>King's College London</i> |
| 2022         | <b>Committee Chair</b> , Faculty Search Committee, Associate Professor of Quantitative Psychology, Department of Psychology (successful hire)<br><i>University of South Carolina</i>   |
| 2021-2022    | <b>Committee Chair</b> , Faculty Search Committee, Assistant Professor of Quantitative Psychology, Department of Psychology (successful hire)  |

*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*
- 2020-2022 **Dean-appointed Faculty Associate**, Student Care and Outreach Team, Office of the Dean of Students, Student Affairs & Academic Support  
*University of South Carolina*
- 2020-2023 **Elected Committee Member**, University Committee on Tenure & Promotions  
*University of South Carolina*
- 2020-2023 **Appointed Committee 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 Committee Member**, Committee on Academic Responsibility  
*University of South Carolina*
- 2020-2021 **First Year Faculty Mentor**, Top Scholar Program, National Fellowships and Scholar Programs  
*University of South Carolina*
- 2020-2021 **AP Research Capstone Mentor**, STEM Honors Academic Magnet Program  
*Dutch Fork High School*
- 2020-2021 **Committee Member**, Advocacy & Policy Subcommittee of Provost's Advisory Committee on Women's Issues, Office of the Provost  
*University of South Carolina*
- 2020-present **Inaugural Program Director**, Quantitative Psychology Graduate Program, Department of Psychology  
*University of South Carolina*
- 2020-present **Committee Member**, Awards Committee, Department of Psychology  
*University of South Carolina*
- 2020-present **Committee Member**, Executive Committee, Department of Psychology  
*University of South Carolina*
- 2020-present **Dean-appointed Committee Member**, Top Scholar Selection Committee, Office of Undergraduate Admission  
*University of South Carolina*
- 2019-present **Statistical Editorial Board Member**, *International Journal of Obesity*

- 2019-present **Appointed Board Member**, NIDCR Data & Safety Monitoring Board, Oral Health Improvement in Individuals with Cognitive Impairment  
*National Institutes of Health*
- 2019-2022 **Appointed Committee Member**, Michael J. Mungo Graduate Award Committee, Office of the Provost  
*University of South Carolina*
- 2019 **Undergraduate Psychology Summer Internship Supervisor**, Department of Psychology  
*Roanoke College*
- 2018-present **Committee 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 **Committee Member**, Diversity in Leadership Subcommittee, Provost's Advisory Committee on Women's Issues, Office of the Provost  
*University of South Carolina*
- 2018-2019 **Guardian ad litem**, Richland County CASA  
*Family Court of Richland County, SC*
- 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 **Ad hoc Elected Committee 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 **Committee Member**, Quantitative Psychology Faculty Search Committee, Department of Psychology (successful hire)  
*University of South Carolina*
- 2013-2018 **Committee Member**, Curriculum Committee, Department of Psychology  
*University of South Carolina*
- 2015-2017 **Committee Member**, Experimental Program Awards Committee, Department of Psychology  
*University of South Carolina*
- 2017 **Committee Member**, Quantitative Instructor Search Committee, Department of Psychology  
*University of South Carolina*
- 2016-2017 **Dean-appointed Committee 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 **Committee Chair**, Clinical Community Program Awards Committee, Department of Psychology  
*University of South Carolina*
- 2014-2015 **Committee Chair**, Faculty Search Committee, Professor of Quantitative Psychology, Department of Psychology (successful hire)  
*University of South Carolina*
- 2014-2015 **Committee Member**, Clinical-Community Policy Committee, Department of Psychology  
*University of South Carolina*
- 2013-2015 **Committee Member**, Faculty Search Committee, Open-rank Professor of Quantitative Psychology, Department of Psychology  
*University of South Carolina*
- 2013-2015 **Committee Member**, Advisory Committee for Faculty Hiring Initiatives, Department of Psychology  
*University of South Carolina*
- 2011-2015 **Committee Member**, Clinical Community Program Awards Committee, Department of Psychology  
*University of South Carolina*
- 2010-2012 **Committee Member**, Experimental Program Curriculum Committee, Department of Psychology  
*University of South Carolina*

2011	<b>Committee Member</b> , Instructor Review Committee, Department of Psychology <i>University of South Carolina</i>
2010	<b>Proposal Reviewer</b> , USC Magellan Scholar Program, Office of Undergraduate Research <i>University of South Carolina</i>
2008-2011	<b>Statistical &amp; Methodological Advisor to Editorial Board</b> , <i>Journal of School Psychology</i>
2008	<b>Proposal Reviewer</b> , 2009 Annual Meeting <i>Society for Prevention Research</i>
2010	<b>Committee Member</b> , Graduate Studies Committee <i>Arizona State University</i>
2010	<b>Quantitative Program Representative</b> , Psi-Chi Honor Society <i>Arizona State University</i>
2003-2004	<b>President</b> , Psychological Graduate Student Association <i>James Madison University</i>
Ad-hoc reviewer	<b>Psychological Methods</b> <b>Multivariate Behavioral Research</b> <b>Structural Equation Modeling: A Multidisciplinary Journal</b> <b>Prevention Science</b> <b>Biometrics</b> <b>British Journal of Mathematical &amp; Statistical Psychology</b> <b>Educational &amp; Psychological Measurement</b> <b>Behavior Research Methods</b> <b>Health Psychology</b>

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#### AFFILIATIONS

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Current	<b>Association for Psychological Science</b>
Current	<b>Psychometric Society</b>
Past	<b>Society for Prevention Research</b>
Past	<b>American Psychological Association</b>
Past	<b>American Educational Research Association</b>
Past	<b>American Statistical Association</b>

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#### OFFERED COURSES

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<b>Graduate</b>	Quantitative Methods for Behavioral Data 1 (ANOVA) Quantitative Methods for Behavioral Data II (Regression Analysis) Psychological Assessment and Measurement Introduction to Statistical Mediation Analysis
<b>Undergrad</b>	Introduction to Psychological Statistics Big Data, Big Decisions

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**STUDENT THESES & DISSERTATIONS**


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- 2021-2022 **Master's Thesis Reader:** Sarah Miller, *"Experiences of Stigma, Social Support, and Anxiety in People Living with HIV in South Carolina"*
- 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”*

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### STUDENT COMMITTEES

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- 2021 *Comprehensive Exam Committee Member:* Carly Moser
- 2021 *Comprehensive Exam Committee Member:* Raul Ferraz
- 2020-2021 *Top Scholars First Year Mentor:* Emma Wilkie (McNair Scholar)
- 2020-2021 *AP Capstone Research Mentor:* Sean Won
- 2019-present *Academic Advising Committee:* Mason Rodriguez
- 2019 *Summer Internship Committee Chair:* John Cody Mactutus
- 2017-2021 *Biobehavioral Interface Program Secondary Mentor:* Jessica Illenberger
- 2017 *PhD Orals Committee Chair:* Heather McDaniel
- 2017 *PhD Orals Committee Chair:* Kendall Moore
- 2017 *PhD Orals Committee member:* Kristen McLaurin
- 2017 *PhD Orals Committee member:* Andrew Schramm
- 2017 *PhD Orals Committee member:* Abby Bode
- 2017 *Masters Orals Committee Chair:* Alexander Hall
- 2016-2017 *Comprehensive exam committee member:* Kristen McLaurin
- 2016 *Comprehensive Exam Committee Member:* Allison Stafford
- 2016 *Comprehensive Exam Committee Chair:* Heather McDaniel
- 2016 *PhD Orals Committee member:* Victoria Macht
- 2015-2017 *Academic advising committee chair:* Alexander Hall
- 2015-2017 *Comprehensive exam committee member:* Andrew Schramm
- 2015-2017 *Academic advising committee chair:* Heather McDaniel”
- 2015-2016 *Comprehensive Exam Committee Chair:* Kendall Moore
- 2015-2016 *Comprehensive exam committee member:* Chandni Patel
- 2014-2018 *Academic advising committee member:* Cameron Smith
- 2013-2016 *Academic advising committee member:* Michael Cranston
- 2013-2015 *Comprehensive exam committee member:* Qiulin Lu
- 2013 *Dissertation orals committee member:* Charity Griffin
- 2012-2013 *Academic advising committee member:* Vanessa Piccirilli
- 2011-2013 *Academic advising committee member:* Amy Perkins
- 2009 *Dissertation orals committee member:* Samuel McQuillin

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### PROFESSIONAL DEVELOPMENT

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- 2021 **21 Day Equity Challenge**, Collaborative on Race, College of Arts & Sciences

*University of South Carolina*

- 2020 **Diversity & Inclusion Mid-career Faculty Development Program**  
*University of South Carolina*
- 2020 **Diversity Matters Workshop: Future of DEI at U of SC, OMSA**  
*University of South Carolina*
- 2020 **Alphabet Soup Workshop: Southern Queer Lives, OMSA**  
*University of South Carolina*
- 2020 **Alphabet Soup Workshop: LGBTQ+ Community in SC, OMSA**  
*University of South Carolina*
- 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**  
*University of South Carolina*
- 2020 **Introduction to R Workshop, ICPSR Summer Program in Quantitative Methods of Social Research**  
*University of Michigan*
- 2020 **Social Science Data & Model Visualization in R Workshop, ICPSR Summer Program in Quantitative Methods of Social Research**  
*University of Michigan*
- 2020 **Machine Learning: Applications & Opportunities in Social Science Research, ICPSR Summer Program in Quantitative Methods of Social Research**  
*University of Michigan*
- 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*