

## Jeff M. Gau

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### Research Interests:

Research methodologies and statistical analysis are my primary research interests with an emphasis on the design and analysis of randomized controlled trials, clustered randomized controlled trials, quasi-experimental designs, and implementation studies. My research interests also include the etiology and prevention of traumatic brain injury and secondary education and work opportunities for youth with disabilities.

### Educational Record:

- 2006 Master of Science completed at the University of Oregon in May 2006. Major areas of study: Psychology and statistical methods. Advisor: Dr. Jeffrey Measelle.
- 1993 Bachelor of Arts completed at the University of Wisconsin-Madison in May 1993; major: Psychology.

### Employment History:

- 2017-present Associate Scientist, Oregon Research Institute, Eugene, OR
- 2017-present Research Associate, University of Oregon, Eugene, OR
- 2015-present Methodologist, Oregon Behavioral Intervention Strategies, Eugene, OR
- 2021-present Research Consultant, Salem Health Hospitals and Clinics, Salem, OR
- 2019-20 Research Consultant, Seattle Children's Hospital, Seattle, WA
- 2003-17 Data Analyst & Methodologist, Oregon Research Institute, Eugene, OR
- 2000-17 Research Consultant, Oregon Center for Applied Science, Eugene, OR
- 2013-16 Research Consultant, Nursing Administration/Salem Health, Salem, OR
- 2014-16 Research Consultant, Partners for Our Children, University of Washington,

Seattle, WA

- 2012-16 Research Consultant, College of Education, University of Oregon, Eugene, OR
- 2012-14 Research Consultant, Deschutes Research Institute, Eugene, OR
- 2011-14 Research Consultant, Tech-Aid, Eugene, OR
- 2000-12 Co-founder and managing member, Abacus Research, Eugene, OR
- 2000-04 Research Consultant, mPower Inc., Eugene, OR
- 1994-03 Programmer, Oregon Research Institute, Eugene, OR

## Research Activities:

### A. Refereed Journal Articles

115. Rohde, P., Bearman, S. K., Pauling, S., **Gau, J. M.**, Shaw, H., & Stice, E. (in press). Setting and provider predictors of implementation success for an eating disorder prevention program delivered by college peer educators. *Administration and Policy in Mental Health and Mental Health Services Research*.
114. Sarup, R. Mathur, H.G.C., **Gau, J.M.** (2023). Technology integration: A promising way to mitigate recidivism of youth in juvenile justice. *Preventing School Failure: Alternative Education for Children and Youth*, doi: 10.1080/1045988X.2023.2195360
113. D'Adamo, L., Ghaderi, A., Rohde, P., **Gau, J.M.**, Shaw, H., & Stice, E. (2023). Evaluating whether a peer-led dissonance-based eating disorder prevention program prevents onset of each eating disorder type. *Psychological Medicine*. doi: 10.1017/S0033291723000739
112. Karns, C.M., Wade, S.L., Slocumb, J. Keating, T., **Gau, J.**, Slomine, B. & Suskauer, S.J, & Glang, A. (in press). Traumatic brain injury positive strategies for families: A preliminary randomized-trial of an online parent-training program. *Archives of Physical Medicine and Rehabilitation*,
111. Stice, E., Rohde, P., **Gau, J.**, Berman, S.K., & Shaw, H. (2023). An experimental test of increasing implementation support for college peer educators delivering an evidence-based prevention program. *Journal of Consulting and Clinical Psychology*. doi: 10.1037/ccp0000806
110. Stice, E., Rohde, P., **Gau, J.**, & Shaw, H. (2023). Implementation factors that predict larger effects from a peer educator delivered eating disorder prevention program at universities. *Journal of Consulting and Clinical Psychology*, 91(2), 60-70. doi: 10.1037/ccp0000783
109. Knowles, **Gau, J.**, Logan, S., Sloane, B., & Rochelle, J. (2022). Service-oriented robotics to promote mobility for young children with disabilities. *International Journal for Service Learning in Engineering, Humanitarian Engineering and Social Entrepreneurship*, 17(2), 14-32.

108. Stice, E., Yokum, S., **Gau, J.**, Veling, H., Lawrence, N. & Kemps, E. (2022). Efficacy of a food response and attention training treatment for obesity: A randomized placebo-controlled trial. *Behaviour Research and Therapy*, 158. doi: 10.1016/j.brat.2022.104183.
107. Farmer, R.F., Seeley, J.R., Kosty, D.B., & **Gau, J.M.** (2022). Deconstructing the heterogeneity of alcohol use disorder: Lifetime comorbid non-alcohol substance use disorder as a distinct behavioral phenotype? *Psychological Medicine*, 1-15. doi: 10.1017/S0033291722001921.
106. Danaher, B., Seeley, J.R., Silver, R.K., Milagra, S., Tyler, MAT, Kim J.J., La Porte, L.M., Cleveland, E., Smith, D.R., Milgrom, J., **Gau, J.M.** (2022). Trial of a patient-directed eHealth program to ameliorate perinatal depression: The MomMoodBooster2 practical effectiveness study. *American Journal of Obstetrics and Gynecology*. doi: 10.1016/j.ajog.2022.09.027.
105. Farmer, R.F., **Gau, J.M.** Seeley, J.R., & Kosty, D.K. (2022). Family-based predictors of alcohol use disorder (AUD) recurrence and new on-alcohol substance use disorder onset following initial AUD recovery. *Journal of Studies on Alcohol and Drugs*, 83(2), 239-247. doi: /10.15288/jsad.2022.83.239.
104. Stice, E., Bohon, C. **Gau, J.M.**, & Rohde, P. (2021). Factors that predict persistence versus remission of eating disorder symptoms: A prospective natural history study of high-risk young women. *Behavior Research and Therapy*, 144, 103932. doi: 10.1016/j.brat.2021.103932.
103. Stice, E., Onipede, A., Shaw, H., Rohde, P. & **Gau, J.M.** (2021). Effectiveness of the Body Project eating disorder prevention program for different racial and ethnic groups and an evaluation of the potential benefits of ethnic matching. *Journal of Consulting and Clinical Psychology*, 89(12). doi: 10.1037/ccp0000697.
102. Pham, Y. Murray, C., & **Gau, J.** (2021). The inventory of teacher-student relationships: Factor structure and associations with engagement among high-risk youth. *Psychology in Schools*, 59(2), 413-429. doi: 10.1002/pits.22617.
101. Gee, K.A., Beno, C., Lindstrom, L., Lind, J., **Gau, J.** Post, C. (2021). Promoting college and career readiness among underserved adolescents: A mixed methods pilot study. *Journal of Adolescence*, 90, 79-90. doi: /10.1016/j.adolescence.2021.06.002.
100. Milgrom, J., Danaher, B.G., Seeley, J.R., Holt, C.J., Holt, C., Ericksen, J. MAPS, CCLNN, Tyler, M.S., **Gau, J.M.**, & Gemmill, A.W. (2021). Internet and face-to-face cognitive behavioural therapy for postnatal depression compared to treatment-as-usual: A randomized controlled trial of MumMoodBooster. *Journal of Medical Internet Research*, 23(12), e17185. doi: 10.2196/17185.
99. Stice, E., Yokum, S., Rohde, P., **Gau, J.**, & Shaw, H. (2021). Evidence that a novel transdiagnostic eating disorder treatment reduces reward region response to the thin beauty ideal and high-calorie binge foods. *Psychological Medicine*, 1-11. doi: 10.1017/S0033291721004049.
98. Chrisman, S, Kroshus, E., Garrett, K., **Gau, J.**, Harmon, K.G., Ramshaw, D., & Glang, A. (2021). Efficacy of an education plat form (GoHuddle) for increasing likelihood of coach concussion communication with athletes. *Journal of Neurotrauma*, 38(22), 3119-3125. doi:10.1089/neu.2021.0249.
97. Stice, E., Rohde, P., **Gau, J.**, Butryn, M., Shaw, H., Cloud, K., & D'Adamo, L. (2021). Enhancing efficacy of a dissonance-based obesity and eating disorder prevention

- program: Experimental therapeutics. *Journal of Consulting and Clinical Psychology*, 89(10), 793-804. doi: 10.1037/ccp0000682.
96. Hudson, T.A., Amaral, A.C.S, Stice, E., **Gau, J.**, & Ferreira, M.E.C. (2021). Dissonance-based eating disorder prevention among Brazilian young Women: A randomized efficacy trial of The Body Project. *Body Image: An International Journal of Research*, 38, 1-9. doi: 10.1016/j.bodyim.2021.03.008.
95. Anderson, D., **Gau, J.**, Beck, L., Unruh, D., Gioia, G., McCart, M., Davies, S.C., Slocumb, J., Gomez, D., & Glang, A. (2021). Management of return to school following brain injury: An evaluation model. *International Journal of Educational Research*, 108, 101773. doi: 10.1016/j.ijer.2021.101773.
94. Murray, C., Kosty, D., Doren, B., **Gau, J.M.**, & Seeley, J.R. (2021). Patterns of early adult work and postsecondary participation among individuals with high incidence disability: A longitudinal person-centered analysis. *Developmental Psychology*, 57(4), 584-596. doi: 10.1037/dev0001163.
93. Powell, L.E., **Gau, J.M.**, Glang, A., Corrigan, J.D., Ramirez, M., & Slocumb, J. (2021). Staff Traumatic Brain Injury Sill Builder: Evaluation of an online training program for paraprofessional staff serving adults with moderate-severe TBI. *Journal of Head Trauma Rehabilitation*, 36(5), E329-E336. doi: 10.1097/HTR.0000000000000661.
92. **Gau, J.M.**, Farmer, R.F., Seeley, J.R., Klein, D.N., & Kosty, D.B. (2020). Are parental alcohol use disorder histories associated with offspring behavior problems at age 2? *Journal of Studies on Alcohol and Drugs*, 81(4), 511-519. doi: 10.15288/jsad.2020.81.511.
91. Lundine, J.P, Todis, B., **Gau, J.M.**, McCart, M., Wade, S.L., Yeates, K.O., & Glang, A. (2020). Return to school following TBI: Educational services received one year after injury. *Journal of Head Trauma Rehabilitation*, 36(2), E89-E96. doi: 10.1097/HTR.0000000000000591.
90. Stice, E., Rohde, P., Shaw, H. & **Gau, J.M.** (2020). Clinician-led, peer-led, and internet-delivered dissonance-based eating disorder prevention programs: Effectiveness of these delivery modalities through 4-year follow-up. *Journal of Consulting and Clinical Psychology*, 88(5), 481-494. doi: 10.1037/ccp0000493.
89. Linville, D., Mintz, B., Martinez, C., **Gau, J.**, Shune, S., & Stice, E. (2020). Preliminary effects of tailoring an obesity prevention intervention program for Latino immigrant families. *Family & Community Health*, 43(2), 118-130. doi: 10.1097/FCH.0000000000000252.
88. Kosty, D.B., Farmer, R.F., Seeley, J.R., Merikangas, K.R., Klein, D.N., **Gau, J.M.**, Duncan, S.C., & Lewinsohn, P.M. (2020). The number of biological parents with alcohol use disorder histories and risk to offspring through age 30. *Addictive Behaviors*, 102, 106196. doi: 10.1016/j.addbeh.2019.106196.
87. Munger, K., Seeley, J.R., Swartz, L., Schroeder, S., **Gau, J.** (2020). Effects of Make Parenting a Pleasure on parenting skills and parental depression. *Child and Family Behavior Therapy*, 42(1), 1-19. doi: 0.1080/00168890.2019.1689915.
86. Powell, L., Gomez, D., **Gau, J.**, Glang, A., Perez, A., Slocumb, J. Beck, L., Dawson, M. (2020). A survey of the training experiences and needs of paraprofessionals serving adults with brain injury. *Brain Injury*, 34(2) 281-289. doi: 10.1080/02699052.2019.1686773.

85. McCart, M., Glang, A.E., Slocumb, J., **Gau, J.**, Beck, L., Gomez, D. (2020). A quasi-experimental study examining the effects of online traumatic brain injury professional development on educator knowledge, application, and efficacy in a practitioner setting. *Disability and Rehabilitation*, 42(17), 2430-2436. doi: 10.1080/09638288.2019.1578423.
84. Eddy, J.M., Short, J.W., Martinez, C.R., Homes, A., Wheeler, A., **Gau, J.** Seeley, J., Grossman, J.B. (2020). Outcomes from a randomized controlled trial from the Relief Nursery. *Prevention Science*, 21(1), 26-46. doi: 10.1007/s11121-019-00992-9.
83. Stice, E., Yokum, S., Rohde, P. Shaw, H., **Gau, J.M.**, Johnson, S., Johns, A. (2019). Randomized trial of a dissonance-based transdiagnostic group treatment for eating disorders: An evaluation of target engagement. *Journal of Consulting and Clinical Psychology*, 87(9), 772-786. doi: 10.1037/ccp0000430.
82. Stormshak, E.A., Caruthers, A.S., **Gau, J.M.**, & Winter, C. (2019). The impact of recreational marijuana legalization on rates of use and behavior: A 10-year comparison of two cohorts from high school to young adulthood. *Psychology of Addictive Behaviors*, 33(7), 595-602. doi: 10.1037/adb0000508.
81. Stormshak, E.A., Seeley, J.R., Caruthers, A.S., Cardenas, L., Moore, K.J., Tyler, M.S., Fleming, C.M., **Gau, J.** & Danaher, B. (2019). Evaluating the efficacy of the Family Check-Up Online: A school-based, eHealth model for the prevention of problem behavior during the middle school years. *Developmental Psychopathology*, 31(5), 1873-1886. doi: 10.1017/S0954579419000907.
80. Farmer, R.F., Kosty, D.B., Seeley, J.R., **Gau, J.M.**, & Klein, D.K. (2019). Family aggregation of substance use disorders: Substance specific, non-specific, and intra-familial sources of risk. *Journal of Studies on Alcohol and Drugs*, 80, 462-471. doi: 10.15288/jsad.2019.80.462.
79. Mehl, A., Rohde, P., **Gau, J.M.** & Stice, E. (2019). Disaggregating the predictive effects of impaired psychosocial functioning on future DSM-5 eating disorder onset in high-risk female adolescents. *International Journal of Eating Disorders*, 52(7), 817-824. doi: 10.1002/eat.23082.
78. Knowles, C., Murray, C., **Gau, J.**, & Toste, J. (2019). Teacher-student working alliance among students with emotional and behavioral disorders. *Journal of Psychoeducational Assessment*, 38(6), 753-761. doi: 10.1177/0734282919874268.
77. Todahl, J., Barkhurst, P.D, Watford, K., & **Gau, J.M.** (2019). Child abuse prevention: A survey of public opinion toward community-based change. *Journal of Public Child Welfare*, 14(3), 277-295. doi: 10.1080/15548732.2019.1612499.
76. Stice, E., Rohde, P., Shaw, H., & **Gau, J.M.** (2019). Randomized trial of dissonance-based group treatment for eating disorders versus a supportive mindfulness group treatment, *Journal of Consulting and Clinical Psychology*, 87(1), 79-90. doi: 10.1037/ccp0000365.
75. Cheng, Z.H., Perko, V.L., Fuller-Marashi, L.F., **Gau, J.M.**, Stice, E. (2019). Ethnic differences in eating disorder prevalence, risk factors, and predictive effects of risk factors among young women. *Eating Behaviors*, 32, 23-30. doi: 10.1016/j.eatbeh.2018.11.004.
74. Rusby, J.C., Mason, M., **Gau, J.M.**, Westling, E., Light, J. M., Mennis, J. Zaharakis, N.M., & Flay, B.R. (2019). Relational victimization and peer affiliate behavior in urban African-American adolescents: Moderating effects of gender and antisocial behavior. *Journal of Adolescence*, 71, 91-98. doi: 10.1016/j.adolescence.2019.01.002.

73. Seeley, J.R., Farmer, R.F., Kosty, D.B., & **Gau, J.M.**, (2019). Prevalence, incidence, recovery, and recurrence of alcohol use disorders from childhood to age 30. *Drug and Alcohol Dependence*, 194, 45-50. doi: 10.1016/j.drugalcdep.2018.09.012.
72. Glang, A., McCart, M., Slocumb, J., **Gau, J.**, Davies, S., Gomez, D., & Beck, L. (2019). Preliminary efficacy of online TBI professional development for educators: An exploratory randomized, clinical trial. *Journal of Head Trauma and Rehabilitation*, 43(2), 77-86. doi: 10.1097/HTR.0000000000000447.
71. Powell, L.E., Wild, M.R., Glang, A., Ibarra, S., **Gau, J.M.**, Perez, A., Albin, R., O-Neil-Pirozzi, T., Wade, S., Keating, T., Saraceno, C., & Slocumb, J. (2019). The development and evaluation of a web-based programme to support problem solving skills following brain injury. *Disability and Rehabilitation: Assistive Technology*, 14(1), 21-32. doi: 10.1080/17483107.2017.1389999.
70. Farmer, R.F., Seeley, J.R., **Gau, J.M.**, Klien, D.N., Merikangas, K.R., Kosty, D.B., Duncan, S.C., & Lewinsohn, P.M. (2018). Clinical features associated with an increased risk for alcohol use disorders among family members. *Psychology of Addictive Behaviors*, 32(6), 628-638. doi: 10.1037/adb0000388.
69. Stice, E., Rohde, P., Shaw, H., & **Gau, J.M.** (2018). An experimental therapeutics test of whether adding dissonance-induction activities improves the effectiveness of a selective obesity and eating disorder prevention program. *International Journal of Obesity*, 42, 462-468. doi:10.1038/ijo.2017.251.
68. Smolkowski, K., Seeley, J.R., **Gau, J.M.**, Dishion, T.J., Stormshak, E.A., Moore, K.J., Falkenstein, C.A., Fosco, G.M., Garbacz, S.A. (2017). Effectiveness evaluation of the Positive Family Support intervention: A three-tiered public health delivery model for middle schools. *Journal of School Psychology*, 62, 103-125. doi: 10.1016/j.jsp.2017.03.004.
67. Stice, E., Yokum, S. & **Gau, J.M.** (2017). Gymnemic acids lozenge reduces short term consumption of high-sugar food: A placebo controlled experiment. *Journal of Psychopharmacology*, 31(11), 1496-1502. doi: 10.1177/0269881117728541.
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65. Linville, D., Todahl, J., Brown, T., Terrell, L., & **Gau, J.** (2017). Healthy nests transition to parenthood program: A mixed methods study. *Journal of Couple & Relationship Therapy*, 16(4), 346-361. doi: 10.1080/15332691.2016.1270867.
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63. Stice, E., **Gau, J.M.**, Rohde, P., & Shaw, H. (2017). Risk factors that predict future onset of each DSM-5 eating disorder: Predictive specificity in high-risk adolescent females. *Journal of Abnormal Psychology*, 126(1), 38-51. doi: 10.1037/abn0000219.
62. Eddy J.M., Martinez C.R. Jr., Grossman J.B., Cearley J.J., Herrera D, Wheeler A.C., Rempel J.S., Foney D., **Gau J.M.**, Burraston B.O., Harachi T.W., Haggerty K.P., Seeley J.R. (2017). A randomized controlled trial of a long-term professional mentoring program for children at risk: Outcomes across the first 5 years. *Prevention Science*, 18(8), 899-910. doi: 10.1007/s11121-017-0795-z.

61. Stice, E., Rohde, P., Shaw, H. & **Gau, J.** (2017). Clinician-led, peer-led, and internet-delivered dissonance-based eating disorder prevention programs: Acute effectiveness of these delivery modalities. *Journal of Consulting and Clinical Psychology, 85*(9), 883-895. doi: 10.1037/ccp0000211.
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58. Rohde, P. Stice, E., & **Gau, J.M.** (2017). Predicting persistence of eating disorder compensatory weight control behaviors. *International Journal of Eating Disorders, 50*(5), 561-568. doi: 10.1002/eat.22639.
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52. Müller, S., Rohde, P., Stice, E., & **Gau, J.M.** (2015). Moderators of the effects of indicated group and bibliotherapy cognitive behavioral depression prevention programs on adolescents' depressive symptoms and depressive disorder onset. *Behaviour Research and Therapy, 75*, 1-10. doi:10.1016/j.brat.2015.10.002.
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50. Farmer, R.F, Seeley, J.R., Kosty, D.B., **Gau, J.M.**, Duncan, S.C., Lynskey, M.T., & Lewinsohn, P.M. (2015). Internalizing and externalizing psychopathology as predictors of cannabis use disorder onset during adolescence and early adulthood. *Psychology of Addictive Behaviors, 29*(3), 5-41. doi: 10.1037/adb0000059.

49. Murray, C., Doren, B., **Gau, J.**, Zvoch, K., & Seeley, J. (2015). Constructing and validating a multiple-indicator construct of economic hardship in a national sample of adolescents with disabilities. *Exceptional Children*, *81*(4), 507-522. doi 10.1177/0014402914563701.
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47. Kosty, D.B., Farmer, R.F., Seeley, J.R., **Gau, J.M.**, Duncan, S.C., & Lewinsohn, P.M. (2015). Parental transmission of risk for cannabis use disorders to offspring. *Addiction*, *110*(7), 1110-1117. doi:10.1111/add.12914.
46. Irvine, A.B., Russel, H., Mannochia, M., Mino, D.E, Cox-Glassen, T., Morgan, R. **Gau, J.M.**, Birney, A.J., & Ary, D.V. (2015). Mobile-web app to self-Manage low back pain: Randomized controlled trial. *Journal of Medical Internet Research*, *17*(1), e1. doi: 10.2196/jmir.3130.
45. Biglan, A., **Gau, J.M.**, Baken-Jones, L., Hinds, E., Rusby, J.C., Cody, C., Sprague, J. (2015). The role of experiential avoidance in the relationship between family conflict and depression among early adolescents. *Journal of Contextual Behavioral Science*, *4*, 30-36. doi: 10.1016/j.jcbs.2014.12.001.
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43. Duncan, S., **Gau, J.M.**, Farmer, R.F., Seeley, J.R., Kosty, D.B., & Lewinsohn, P.M. (2015). Comorbidity and temporal relations of alcohol and cannabis use disorders form youth through adulthood, *Drug and Alcohol Dependence*, *149*, 80-86. doi: 10.1016/j.drugalcdep.2015.01.025.
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41. Glang, A.E., Koester, M.C., Chesnutt, J.C., Gioai, G.A., McAvoy, K., Marshall, S., & **Gau, J.M.** (2015). The effectiveness of a web-based resource in improving post-concussion management in high schools. *Journal of Adolescent Health*, *56*(1), 91-97. doi: 10.1016/j.jadohealth.2014.08.0111.
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39. Rohde, P., Auslander, B.A., Stice, E., Shaw, H. Raineri, K., & **Gau, J.M.** (2014). Dissonance-based prevention of eating disorder risk factors in middle school girls: Results from two randomized pilot trials. *International Journal of Eating Disorders*, *47*(5), 483-494. doi:10.1002/eat.22253.
38. Rohde, P., Stice, E., Shaw, H., & **Gau, J.M.** (2014). Cognitive-behavioral group depression prevention compared to bibliotherapy and brochure control: Non-significant effects in pilot effectiveness trial with college students. *Behavior Research and Therapy*, *55*, 48-53. doi:10.1002/da.22082.
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## **B. Manuscripts submitted for Publication:**

- Karns, C.M., Wade, S.L., Slocumb, J. Keating, T., **Gau, J.**, Slomine, B. & Suskauer, S.J. (2022). *Traumatic brain injury positive strategies for families: A preliminary randomized trial of an online parent-training program*. Manuscript submitted for publication.

Stice, E., Yokum, S., Rohde, P. **Gau, J.M.**, Bohon, C., & Shaw, H. (2022). *Randomized trial of a dissonance-based transdiagnostic eating disorder treatment versus interpersonal psychotherapy and the impact of COVID-19*. Manuscript submitted for publication.

Johnson-Shelton, D., **Gau, J.**, Canavan, N., Cil, G., Westling, E., & Daley, S.M. (2022). *Evaluation of the radKIDS® personal empowerment child safety education program: Program theory and indicators of program acceptability and effectiveness*. Manuscript submitted for publication.

Stice, E., Rohde, P. **Gau, J.M.**, & Shaw, H. (2022). *Implementation factors that predict larger effects from a peer educator delivered eating disorder prevention program at universities*. Manuscript submitted for publication.

Stice, E., Rohde, P. **Gau, J.M.**, Berman, S.K., Shaw, H. (2022). *An experimental test of increasing implementation support for college peer educators delivering an evidence-based prevention program*. Manuscript submitted for publication.