

Curriculum Vitae
Ashley N. Linden-Carmichael, Ph.D.

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EDUCATION

- Ph.D. (2016)** **Old Dominion University**, *Norfolk, VA*
Applied Experimental Psychology
Advisor: Cathy Lau-Barraco, Ph.D.
Major Area Paper: *A Critical Review of Caffeinated Alcohol Use and Individual Risk Factors*
Dissertation: *Caffeinated Alcohol Use in a Daily Context*
- M.S. (2012)** **Old Dominion University**, *Norfolk, VA*
Experimental Psychology
Advisor: Cathy Lau-Barraco, Ph.D.
Thesis: *Caffeinated Alcohol Use among College Students with Anxiety*
- B.S. (2010)** **Central Michigan University**, *Mount Pleasant, MI*
Psychology
Sociology

ACADEMIC POSITIONS

- 2016 – **Assistant Research Professor**, The Pennsylvania State University
Graduate Faculty, Department of Human Development and Family Studies (2020 –)
Asst. Research Professor, Edna Bennett Pierce Prevention Research Center (2019 –)
Asst. Research Professor, Department of Biobehavioral Health (2016 – 2019)
- 2011 – 2013 **Project Coordinator**, Old Dominion University (PI: Cathy Lau-Barraco, Ph.D.)
- 2010 – 2016 **Graduate Research Assistant / Laboratory Coordinator**, Old Dominion University
(PI: Cathy Lau-Barraco, Ph.D.)
- 2009 – 2010 **Undergraduate Research Assistant**, Central Michigan University (PI: Hajime Otani, Ph.D.)
- 2007 – 2010 **Undergraduate Research Assistant / Project Leader**, Central Michigan University
(PI: Stuart W. Quirk, Ph.D.)

HONORS AND AWARDS

- 2021 – 2023 **NIH / NIAAA Clinical Research Loan Repayment Program Competitive Renewal**, National Institutes of Health
- 2021 **Top Reviewer**, *Psychology of Addictive Behaviors*
- 2019 – 2021 **NIH / NIAAA Clinical Research Loan Repayment Program Competitive Renewal**, National Institutes of Health
- 2017 – 2019 **NIH / NIAAA Clinical Research Loan Repayment Program Award**, National Institutes of Health
- 2017 – 2019 **Early Career Preventionists Network Travel Award**, Society for Prevention Research (annual award)

- 2017 – 2019 **Junior Investigator Award**, Research Society on Alcoholism (annual award)
 2016 **Enoch Gordis Research Recognition Award Finalist**, Research Society on Alcoholism
 2016 **Shining Star Recognition**, Division of Student Engagement and Enrollment Services, Old Dominion University
 2015 **William Applegate Award (Best Graduate Poster in an Applied Area)**, Virginia Psychological Association
 2015 **Preparing Future Faculty Certificate**, Old Dominion University
 2014 – 2016 **National Research Service Award (F31)**, National Institutes of Health
 2014 **Frank Finger Award (Graduate Paper Award)**, Virginia Psychological Association
 2013 – 2016 **Student Merit Award**, Research Society on Alcoholism (annual award)
 2013 **Graduate Poster Award**, Virginia Psychological Association
 2012 **Graduate Student Travel Award**, Old Dominion University
 2010 – 2013 **Graduate Research Fellowship**, Old Dominion University
 2010 **Cum Laude Honors Award**, Central Michigan University
 2010 **Outstanding Psychology Graduate Award**, Department of Psychology, Central Michigan University
 2008 **Psi Chi National Psychology Honor Society**, Central Michigan University
 2006 **Board of Trustees Scholarship**, Central Michigan University
 2006 **Michigan Educational Assessment Program Scholarship**

RESEARCH FUNDING

Current

- 2019-2024 Principal Investigator, National Institute on Alcohol Abuse and Alcoholism K01 AA026854, *Simultaneous Alcohol and Marijuana Use: Momentary Influences and Consequences*, \$838,220
 2019-2021 Research Advisory Board Committee Member (PI Stephanie Lanza), College of Health and Human Development, The Pennsylvania State University *Penn State Cohort Study: A University Resource to Promote High-Impact Research, Student Engagement, and Health*
 2015-2021 (NCE) Investigator, National Institute on Drug Abuse P50 DA039838 (PI Linda Collins), *Center for Complex Data to Knowledge in Drug Abuse and HIV Behavioral Science*, \$2,434,457

Completed

- 2019-2020 Multiple Principal Investigator (Co-PI Saeed Abdullah), College of Information Sciences and Technology, The Pennsylvania State University *Watch Over: Using Apple Watches to Assess and Predict Substance Co-use in Young Adults*, \$53,260
 2018-2019 Principal Investigator, The Methodology Center, The Pennsylvania State University *Substance Co-Use Patterns in Daily Life: Multilevel Latent Class Analysis to Inform mHealth Interventions*, \$19,987
 2018 Principal Investigator, Department of Biobehavioral Health, The Pennsylvania State University *Integrating Wearable Technology to Examine Substance Co-Use Patterns in Daily Life*, \$4,300
 2015-2018 Investigator, National Institute on Drug Abuse

- 2014-2016 R01 DA037902 (PI Megan Patrick), *Dynamic Links between Risk Factors, Substance Use, and Consequences: Ages 18 – 35*, \$1,426,369
Principal Investigator, National Institute on Alcohol Abuse and Alcoholism
F31 AA023118, *The Examination of Caffeinated Alcohol Use in a Daily Context*, \$62,330
- 2010-2015 Project Coordinator, National Institute on Alcohol Abuse and Alcoholism
K01 AA018383, *Adapting a Secondary Prevention Program for Nonstudent Emerging Adult Drinkers*, \$702,986

BOOKS AND BOOK CHAPTERS

2. Lanza, S. T., & **Linden-Carmichael, A. N.** (2021). *Time-varying effect modeling for the behavioral, social, and health sciences*. Springer. doi: 10.1007/978-3-030-70944-0
1. **Linden-Carmichael, A. N.**, Stull, S. W, Scott, C., & Dennis, M. (under contract). Time-varying effect modeling to examine recovery outcomes across four years. In J. Tucker & K. Witkiewitz (Eds.), *Pathways to recovery from alcohol use disorder*, pp. XX-XX). Cambridge University Press, Cambridge, UK.

PEER-REVIEWED PUBLICATIONS (*undergraduate, graduate, or post-doctoral author)

64. **Linden-Carmichael, A. N.**, Hochgraf, A. K.*, Cloutier, R. M.*, Stull, S. W.*, & Lanza, S. T. (2021). Associations between simultaneous alcohol and cannabis use and next-day negative affect: The role of sex and trait anxiety. *Addictive Behaviors*.
63. Finan, L. J., **Linden-Carmichael, A. N.**, Adams, A.*, Younquist, A.*, Lipperman-Kreda, S., & Mello, Z. R. (2021). Time perspective and substance use: An examination across three adolescent samples. *Addiction Research & Theory*.
62. **Linden-Carmichael, A. N.**, & Wardell, J. D. † (2021). Combined use of alcohol and cannabis: Introduction to the Special Issue. *Psychology of Addictive Behaviors*.
†Both authors contributed equally.
61. Cloutier, R. M.*, Calhoun, B. H.*, & **Linden-Carmichael, A. N.** (2021). Associations of mode of administration on cannabis consumption and subjective intoxication in daily life. *Psychology of Addictive Behaviors*.
60. **Linden-Carmichael, A. N.**, & Calhoun, B. H.* (2021). Measuring subjective alcohol effects in daily life using contemporary young adult language. *Experimental and Clinical Psychopharmacology*.
59. **Linden-Carmichael, A. N.**, & Allen, H. K.* (2021). Profiles of alcohol and marijuana use among simultaneous alcohol and marijuana users: Individual differences in demographics and substance use. *Journal of Drug Issues*, 51, 239-248. doi: 10.1177/0022042620979617
58. **Linden-Carmichael, A. N.**, Allen, H. K.*, & Lanza, S. T. (2020). The socio-environmental context of simultaneous alcohol and marijuana use among young adults: Examining day-level associations. *Drug and Alcohol Review*. doi: 10.1111/dar.13213

57. **Linden-Carmichael, A. N.**, Allen, H. K.*, Masters, L. D., Ansell, E. B., & Lanza, S. T. (2020). Age-varying trends in alcohol and cannabis co-occurring use: Implications for prescription drug misuse. *American Journal of Drug and Alcohol Abuse*. doi: 10.1080/00952990.2020.1831003
56. Bhuiyan, N.*, **Linden-Carmichael, A. N.**, Lanza, S. T., Schmitz, K. H., & Mama, S. K. (2020). Age-varying associations between physical activity and psychological outcomes among rural cancer survivors. *Journal of Behavioral Medicine*. doi: 10.1007/s10865-020-00187-6 PMID: PMC8039059
55. **Linden-Carmichael, A. N.**, Allen, H. K.*, & Lanza, S. T. (2020). The language of subjective alcohol effects: Do young adults vary in their feelings of intoxication? *Experimental and Clinical Psychopharmacology*. doi: 10.1037/pha0000416
54. **Linden-Carmichael, A. N.**, Van Doren, N.*, Masters, L. D., & Lanza, S. T. (2020). Simultaneous alcohol and marijuana use in daily life: Implications for level of use, subjective intoxication, and positive and negative consequences. *Psychology of Addictive Behaviors*, 34, 447-453. doi: 10.1037/adb0000556 PMID: PMC7148190
53. Russell, M. A., **Linden-Carmichael, A. N.**, Lanza, S. T., Fair, E. V., Sher, K., & Piasecki, T. M. (2020). Affect relative to day-level drinking initiation: Analyzing ecological momentary assessment data with multilevel spline modeling. *Psychology of Addictive Behaviors*, 34, 434-446. doi: 10.1037/adb0000550 PMID: PMC7148183
52. **Linden-Carmichael, A. N.**, Masters, L. D., & Lanza, S. T. (2020). “Buzzwords”: Crowdsourcing and quantifying U.S. young adult terminology for subjective effects of alcohol and marijuana use. *Experimental and Clinical Psychopharmacology*. doi: 10.1037/pha0000344 PMID: PMC7375944
51. **Linden-Carmichael, A. N.**, Stamates, A. L., & Lau-Barraco, C. (2019). Simultaneous use of alcohol and marijuana: Patterns and individual differences. *Substance Use & Misuse*, 54, 2156-2166. doi: 10.1080/10826084.2019.1638407 PMID: PMC6803060
*Media coverage
50. Lau-Barraco, C., **Linden-Carmichael, A. N.**, Stamates, A. L., Preonas, P., & Braitman, A. L. (2019). The influence of a brief alcohol intervention on alcohol use trajectories in nonstudent emerging adult drinkers. *Substance Use & Misuse*, 54, 2025-2032. doi: 10.1080/10826084.2019.1626434 PMID: PMC6764863
49. **Linden-Carmichael, A. N.**, Mallett, K. A., Sell, N.*, & Turrisi, R. (2019). Are co-users of alcohol and marijuana more willing to experience consequences from drinking? A longitudinal examination among first-year college students. *Alcoholism: Clinical and Experimental Research*, 43, 1567-1574. doi: 10.1111/acer.14075 PMID: PMC6602848
48. Mallett, K. A., Turrisi, R., Trager, B.*, Sell, N.*, & **Linden-Carmichael, A. N.** (2019). An examination of consequences among college student drinkers on occasions involving alcohol-only, marijuana-only, or combined alcohol and marijuana use. *Psychology of Addictive Behaviors*, 33, 331-336. doi: 10.1037/adb0000458 PMID: PMC6521847

47. **Linden-Carmichael, A. N.**, Calhoun, B. H.*, Patrick, M. E., & Maggs, J. L. (2019). University students use fewer protective behavioral strategies on high-intensity drinking days. *Drug and Alcohol Review*, *38*, 302-305. doi: 10.1111/dar.1291346 PMID: PMC6764429
46. **Linden-Carmichael, A. N.**, Russell, M. A., & Lanza, S. T. (2019). Flexibly modeling alcohol use disorder risk: How many drinks should we count? *Psychology of Addictive Behaviors*, *33*, 50-57. doi: 10.1037/adb0000431 PMID: PMC6521945
45. **Linden-Carmichael, A. N.**, Dziak, J. J., & Lanza, S. T. (2019). Dynamic features of problematic drinking: Alcohol use disorder latent classes across ages 18-64. *Alcohol and Alcoholism*, *54*, 97-103. doi: 10.1093/alcalc/agy074 PMID: PMC6324653
*Media coverage
44. Leadbeater, B. J., Ames, M. E.*, & **Linden-Carmichael, A. N.** (2019). Age-varying effects of cannabis use frequency and disorder on symptoms of psychosis, depression and anxiety in adolescents and adults. *Addiction*, *114*, 278-293. doi: 10.1111/add.14459 PMID: PMC6519223
43. Stamates, A. L., **Linden-Carmichael, A. N.**, Lau-Barraco, C., & Preonas, P. (2019). Testing daily associations between impulsivity, affect, and alcohol outcomes: A pilot study. *Addiction Research & Theory*, *27*, 242-248. doi: 10.1080/16066359.2018.1498846 PMID: PMC6561497
42. **Linden-Carmichael, A. N.**, Kloska, D. D., Evans-Polce, R., Lanza, S. T., & Patrick, M. E. (2019). College degree attainment by age of first marijuana use and parental education. *Substance Abuse*, *40*, 66-70. doi: 10.1080/08897077.2018.1521354 PMID: PMC6535370
41. **Linden-Carmichael, A. N.**, Calhoun, B. H.*, Patrick, M. E., & Maggs, J. L. (2018). Are protective behavioral strategies associated with fewer negative consequences on high-intensity drinking days? Results from a measurement-burst design. *Psychology of Addictive Behaviors*, *32*, 904-913. doi: 10.1037/adb0000421 PMID: PMC6629031
40. Lau-Barraco, C., Braitman, A. L., **Linden-Carmichael, A. N.**, & Stamates, A. L. (2018). Mediators and moderators of a personalized feedback alcohol intervention for nonstudent emerging adult drinkers. *Alcoholism: Clinical and Experimental Research*, *42*, 1756-1768. doi: 10.1111/acer.13819 PMID: PMC6120787
39. Braymiller, J.*, Masters, L., **Linden-Carmichael, A. N.**, & Lanza, S. T. (2018). Contemporary patterns of marijuana use and attitudes among high school seniors: 2010-2016. *Journal of Adolescent Health*, *63*, 394-400. doi: 10.1016/j.jadohealth.2018.06.005 PMID: PMC6510238
38. Lau-Barraco, C., & **Linden-Carmichael, A. N.** (2018). A daily diary study of drinking and nondrinking days in nonstudent alcohol users. *Substance Use & Misuse*, *54*, 31-38. doi: 10.1080/10826084.2018.1485700 PMID: PMC6314913
37. **Linden-Carmichael, A. N.**, Stamates, A. L., Marczynski, C. A., & Lau-Barraco, C. (2018). Mixing alcohol and energy drinks in daily life: A commentary on Verster and colleagues (2018). *Human Psychopharmacology: Clinical and Experimental*, *33*, e2664. doi: 10.1002/hup.2664

36. **Linden-Carmichael, A. N.**, & Lanza, S. T. (2018). Drinking patterns of college- and non-college-attending young adults: Is high-intensity drinking only a college phenomenon? *Substance Use & Misuse*, *10*, 2157-2164. doi: 10.1080/10826084.2018.1461224 PMID: PMC6105386
35. Patrick, M. E., Veliz, P., **Linden-Carmichael, A. N.**, & Terry-McElrath, Y. (2018). Alcohol mixed with energy drink use during young adulthood. *Addictive Behaviors*, *84*, 224-230. PMID: PMC5975232
34. **Linden-Carmichael, A. N.**, & Lau-Barraco, C. (2018). Daily conformity drinking motivations are associated with increased odds of consuming alcohol mixed with energy drinks. *Addictive Behaviors*, *79*, 102-106. doi: 10.1016/j.addbeh.2017.12.016 PMID: PMC5807180
33. Vasilenko, S. A., **Linden-Carmichael, A. N.**, Lanza, S. T., & Patrick, M. E. (2018). Sexual behavior and heavy episodic drinking across the transition to adulthood: Differences by college attendance. *Journal of Research on Adolescence*, *28*, 473-487. doi: 10.1111/jora.12348 PMID: PMC5899061
32. **Linden-Carmichael, A. N.**, Vasilenko, S. A., Lanza, S. T., & Maggs, J. (2017). High-intensity drinking versus heavy episodic drinking: Prevalence rates and relative odds of alcohol use disorder across adulthood. *Alcoholism: Clinical & Experimental Research*, *41*, 1754-1759. doi: 10.1111/acer.13475 PMID: PMC5626636
31. **Linden-Carmichael, A. N.**, Lanza, S. T., Dziak, J., & Bray, B. C. (2017). Contemporary alcohol use patterns among a national sample of U.S. adults. *Journal of Addictive Diseases*, *36*, 222-226. doi: 10.1080/10550887.2017.1338816 PMID: PMC5656524
30. **Linden-Carmichael, A. N.**, & Lau-Barraco, C. (2017). Alcohol mixed with energy drinks: Daily context of use. *Alcoholism: Clinical & Experimental Research*, *41*, 863-869. doi: 10.1111/acer.13357 PMID: PMC5391838
29. **Linden-Carmichael, A. N.**, & Lau-Barraco, C. (2017). A daily diary examination of caffeine mixed with alcohol among college students. *Health Psychology*, *36*, 881-889. doi: 10.1037/hea0000506 PMID: PMC5573656
28. Braitman, A. L., **Linden-Carmichael, A. N.**, & Henson, J. M. (2017). Protective behavioral strategies as a context-specific mediator: A multilevel examination of within- and between-person associations of daily drinking. *Experimental and Clinical Psychopharmacology*, *25*, 141-155. doi: 10.1037/pha0000111 PMID: PMC5426965
27. Stamates, A. L., **Linden-Carmichael, A. N.**, Sheehan, B. E., Preonas, P., & Lau-Barraco, C. (2017). An examination of the most recent episode of Molly use among college students. *Journal of Drug Issues*, *47*, 309-316. doi: 10.1177/0022042616687283 PMID: PMC5636006
26. Braitman, A. L., **Linden-Carmichael, A. N.**, Stamates, A. L., & Lau-Barraco, C. (2017). Sociocognitive factors and perceived consequences associated with alternative forms of alcohol use. *Journal of American College Health*, *65*, 67-75. doi: 10.1080/07448481.2016.1233558 PMID: PMC5481848

25. Lau-Barraco, C., **Linden-Carmichael, A. N.**, Hequembourg, A., & Pribesh, S. (2017). Motivations and consequences of alcohol use among heavy drinking nonstudent emerging adults. *Journal of Adolescent Research*, *32*, 667-695. doi: 10.1177/0743558416630812 PMID: PMC5684885
24. Stamates, A. L., **Linden-Carmichael, A. N.**, & Lau-Barraco, C. (2016). Mixing alcohol with artificially sweetened beverages: Prevalence and correlates among college students. *Addictive Behaviors*, *62*, 79-82. doi: 10.1016/j.addbeh.2016.06.021 PMID: PMC4989236
23. Lau-Barraco, C., Braitman, A. L., Stamates, A. L., & **Linden-Carmichael, A. N.** (2016). A latent profile analysis of drinking patterns among nonstudent emerging adults. *Addictive Behaviors*, *62*, 14-19. doi: 10.1016/j.addbeh.2016.06.001 PMID: PMC4955767
22. Lau-Barraco, C., Braitman, A. L., Stamates, A. L., & **Linden-Carmichael, A. N.** (2016). Alcohol use variability in a community-based sample of nonstudent emerging adult heavy drinkers. *The American Journal of Drug and Alcohol Abuse*, *42*, 698-706. doi: 10.1080/00952990.2016.1183671 PMID: PMC5325715
21. Sheehan, B. E., **Linden-Carmichael, A. N.**, & Lau-Barraco, C. (2016). Caffeinated and non-caffeinated alcohol use and indirect aggression: The impact of self-regulation. *Addictive Behaviors*, *58*, 53-59. doi: 10.1016/j.addbeh.2016.02.002. PMID: PMC4828907
20. **Linden-Carmichael, A. N.**, & Lau-Barraco, C. (2016). A preliminary investigation of caffeinated alcohol use during Spring Break. *Substance Use & Misuse*, *51*, 937-941. doi: 10.3109/10826084.2016.1155617 PMID: PMC4955283
19. **Linden-Carmichael, A. N.**, Lau-Barraco, C., & Kelley, M. L. (2016). College student dating partner drinking profiles: Differences in relationship functioning and relationship-specific alcohol expectancies. *Substance Use & Misuse*, *51*, 840-852. doi: 10.3109/10826084.2016.1155358 PMID: PMC4955358
18. Lau-Barraco, C., **Linden-Carmichael, A. N.**, Braitman, A. L., & Stamates, A. L. (2016). Identifying patterns of situational antecedents to heavy drinking among emerging adults. *Addiction Research & Theory*, *24*, 431-440. doi: 10.3109/16066359.2016.1153077 PMID: PMC5283858
17. **Linden-Carmichael, A. N.**, Stamates, A. L., Sheehan, B. E., & Lau-Barraco, C. (2016). Molly users versus non-users in a sample of college alcohol drinkers: Differences in substance-related harms and sensation seeking. *Substance Abuse*, *37*, 474-479. doi: 10.1080/08897077.2015.1137536 PMID: PMC4993673
16. Lau-Barraco, C., Braitman, A. L., **Linden-Carmichael, A. N.**, & Stamates, A. L. (2016). Differences in weekday versus weekend drinking among nonstudent emerging adults. *Experimental and Clinical Psychopharmacology*, *24*, 100-109. doi: 10.1037/pha0000068 PMID: PMC4828908
15. Stamates, A. L., Lau-Barraco, C., & **Linden-Carmichael, A. N.** (2016). Alcohol expectancies

mediate the relationship between age of first intoxication and drinking outcomes in college binge drinkers. *Substance Use & Misuse*, 15, 598-607. doi: 10.3109/10826084.2015.1126745
PMCID: PMC4853751

14. **Linden-Carmichael, A. N.**, Lau-Barraco, C., & Stamates, A. L. (2015). Testing a model of caffeinated alcohol-specific expectancies. *Addictive Behaviors*, 47, 38-41. doi: 10.1016/j.addbeh.2015.03.015 PMCID: PMC4417404
13. **Linden-Carmichael, A. N.**, Braitman, A. L., & Henson, J. M. (2015). Protective behavioral strategies as a mediator between depressive symptoms fluctuations and alcohol consumption: A longitudinal examination among college students. *Journal of Studies on Alcohol and Drugs*, 76, 80-88.
12. **Linden, A. N.**, Lau-Barraco, C., & Milletich, R. J. (2014). Protective behavioral strategies, alcohol expectancies, and drinking motives in a model of college student drinking. *Psychology of Addictive Behaviors*, 28, 952-959. doi: 10.1037/a0037041
11. Lau-Barraco, C., & **Linden, A. N.** (2014). Caffeinated alcohol use and expectancies for caffeine versus alcohol. *Substance Use & Misuse*, 49, 1241-1249. doi: 10.3109/10826084.2014.891619
10. **Linden, A. N.**, & Lau-Barraco, C. (2014). A qualitative review of psychosocial risk factors associated with caffeinated alcohol use. *Experimental and Clinical Psychopharmacology*, 22, 144-153. doi: 10.1037/a0036334
9. **Linden, A. N.**, Lau-Barraco, C., & Hollis, B. F.* (2014). Associations between psychological distress and alcohol outcomes as mediated by time perspective orientation among college students. *Mental Health and Substance Use*, 7, 134-143. doi: 10.1080/17523281.2013.785443
8. Lau-Barraco, C., & **Linden, A. N.** (2014). Drinking buddies: Who are they and when do they matter? *Addiction Research & Theory*, 22, 57-67. doi: 10.3109/16066359.2013.772585
7. Lau-Barraco, C., Milletich, R. J., & **Linden, A. N.** (2014). Caffeinated alcohol consumption profiles and associations with use severity and outcome expectancies. *Addictive Behaviors*, 39, 308-315. doi: 10.1016/j.addbeh.2013.10.017
6. Kelley, M. L., **Linden, A. N.**, Milletich, R. J., Lau-Barraco, C., Doty, E., D'Lima, G., Bodkins, J., & Sheehan, B. E. (2014). Self and partner alcohol-related problems among ACOAs and non-ACOA: Associations with depressive symptoms and motivations for alcohol use. *Addictive Behaviors*, 39, 211-218. doi: 10.1016/j.addbeh.2013.08.037
5. **Linden, A. N.**, Kite, B. A., Braitman, A. L., & Henson, J. M. (2014). Protective behavioral strategy use and motivations for drinking: Exploring alternatives to drinking strategies. *Addictive Behaviors*, 39, 469-472. doi: 10.1016/j.addbeh.2013.10.008
4. Sheehan, B. E., Lau-Barraco, C., & **Linden, A. N.** (2013). An examination of risky drinking behaviors and motivations for alcohol use in a college sample. *Journal of American College Health*, 61, 444-452. doi: 10.1080/07448481.2013.831352

3. **Linden, A. N.,** & Lau-Barraco, C. (2013). Depressive symptomology and alcohol use among college students: The role of perceived drinking norms. *Mental Health and Substance Use, 6*, 303-314. doi: 10.1080/17523281.2012.739193
2. **Linden, A. N.,** Lau-Barraco, C., & Milletich, R. J. (2013). The role of protective behavioral strategies and anxiety in problematic drinking among college students. *Journal of Studies on Alcohol and Drugs, 74*, 413-422.
1. **Linden, A. N.,** Lau-Barraco, C., & Braitman, A. L. (2012). Social anxiety among young adult drinkers: The role of perceived norms and drinking motives. *Journal of Drug Education, 42*, 293-313. doi: 10.2190/DE.42.3.c

TECHNICAL REPORTS

2. Balk, I., Bravo, A., **Carmichael, A.,** Hollis, B., Jenkins, J., Myers, D., Stamates, A. L., & Braitman, A. L. (2014, December). The psychology program at South University in Virginia Beach: An evaluation of retention rates. Norfolk, VA: Old Dominion University.
1. Bell, S., Evans, C., Farley, Y., Innes, A., Ketchledge, W., **Linden, A.,** Miner, S., Pierre-Louis, R., Ross, P., Scott, L., Shaw, G., Underwood, J., Willits, M., & Pribesh, S. (2013, March). Teacher educators' thoughts on their preparation to handle new diversity of learning standards. Norfolk, VA: Old Dominion University.

ORGANIZED SYMPOSIA AS CHAIR OR DISCUSSANT

2. Symposium Chair, "Daily Diary Findings of Alcohol, Marijuana, and Polysubstance Use: The Role of Cannabis Mode of Administration, Affect, and Mental Health Symptomatology," The Methodology Center at The Pennsylvania State University. February 2020.
1. Symposium Chair, "Using Intensive Longitudinal Methods to Elucidate Risk and Protective Factors in Problematic Young Adult Substance Use," Society for Prevention Research Conference. May 2018.

INVITED TALKS AND WORKSHOPS

14. Van Doren, N.*, **Linden-Carmichael, A. N.,** Bray, B. C., & Lanza, S. T. (2020, February). An application of latent class analysis to daily diary data: Examining daily patterns of substance use in young adults. In A. Linden-Carmichael (Chair), *Daily Diary Findings of Alcohol, Marijuana, and Polysubstance Use: The Role of Cannabis Mode of Administration, Affect, and Mental Health Symptomatology*. Symposium presented at The Methodology Center, The Pennsylvania State University, University Park, PA.
13. Cloutier, R. M.*, & **Linden-Carmichael, A. N.** (2020, February). Modes of marijuana use in a high-risk sample: Key predictors and outcomes. In A. Linden-Carmichael (Chair), *Daily Diary Findings of Alcohol, Marijuana, and Polysubstance Use: The Role of Cannabis Mode of Administration, Affect, and Mental Health Symptomatology*. Symposium presented at the The Methodology Center, The Pennsylvania State University, University Park, PA.
12. Hochgraf, A. K.*, **Linden-Carmichael, A. N.,** & Lanza, S. T. (2020, February). Effects of simultaneous alcohol and marijuana use on same- and next-day negative affect: Differences based on sex and trait anxiety. In A. Linden-Carmichael (Chair), *Daily Diary Findings of Alcohol,*

Marijuana, and Polysubstance Use: The Role of Cannabis Mode of Administration, Affect, and Mental Health Symptomatology. Symposium presented at the The Methodology Center, The Pennsylvania State University, University Park, PA.

11. **Linden-Carmichael, A. N.** (2019, April). *Crowd-sourcing terms for subjective intoxication during alcohol, marijuana, and co-use episodes: Preliminary findings from MTurk and daily data.* The Methodology Center, The Pennsylvania State University, University Park, PA.
10. **Linden-Carmichael, A. N.** (2019, April). *Real-time data capture via smartphone surveys and wearable sensors: Applications for studying high-risk substance use.* Prevention and Methodology Training (T32) Proseminar Series, The Pennsylvania State University, University Park, PA.
9. **Linden-Carmichael, A. N.** (2019, March). *Mixing alcohol with energy drinks: Risks and protective strategies.* Air Force ROTC Program, The Pennsylvania State University, University Park, PA.
8. Trager, B.*, & **Linden-Carmichael, A. N.** (2019, February). *Do parent-based interventions reduce combined alcohol and marijuana use among college students? Results from a latent transition analysis.* Mixture Modeling Special Interest Group, The Methodology Center, The Pennsylvania State University, University Park, PA.
7. **Linden-Carmichael, A. N.** (2019, January). *Substance co-use in the population and in daily life: Laying the groundwork for mobile health intervention.* Department of Biobehavioral Health, The Pennsylvania State University, University Park, PA.
6. **Linden-Carmichael, A. N.** (2018, December). *Development of a brief, text-based micro-randomized trial to reduce high-risk substance use among young adults.* Murphy Lab, Department of Statistics, Harvard University, Cambridge, MA.
5. **Linden-Carmichael, A. N.,** & Masters, L. D. (2018, December). *Recommendations for data collection via Amazon's Mechanical Turk (MTurk).* Edna Bennett Pierce Prevention Research Center, The Pennsylvania State University, University Park, PA.
4. Lanza, S. T., & **Linden-Carmichael, A. N.** (2018, July). *Understanding age-related change using the time-varying effect model.* Workshop presented at the Taste of Methodology, The Pennsylvania State University, University Park, PA.
3. **Linden-Carmichael, A. N.** (2018, March). *Ambulatory assessment methods to study high-risk drinking behavior in daily life.* Department of Psychology, Syracuse University, Syracuse, NY.
2. Lanza, S., Russell, M., & **Linden-Carmichael, A. N.** (2017, March). *Continuing to "Accelerate the Pace of Drug Abuse Research Using Existing Data."* The Methodology Center, The Pennsylvania State University, University Park, PA.
1. **Linden, A. N.** (2013, March). *The role of protective behavioral strategies and anxiety in problematic drinking among college students.* Undergraduate Research Apprenticeship Program Meeting, Old Dominion University, Norfolk, VA.

PRESENTATIONS AT SCIENTIFIC MEETINGS (*undergraduate, graduate, or post-doctoral author)

85. Edwards, C. G.*, Rigby, A., **Linden-Carmichael, A. N.**, & Masterson, T. D. (submitted). *Feasibility and efficacy of using bi-hourly daily ecological momentary assessment to assess food cue reactivity among individuals with binge eating disorder*. Paper submitted to the annual meeting of Obesity Week.
84. Reichin, S. L.*, **Linden-Carmichael, A. N.**, Smith, D. R., & LeBreton, J. M. (2021, November). *Is all aggression the same? A latent profile analysis of the CRT-A*. Paper to be presented at the annual meeting of the European Association of Work and Organizational Psychology.
83. **Linden-Carmichael, A. N.**, Miller, S.*, & Mogle, J. (2021, November). *Daily simultaneous alcohol and cannabis use: Associations with blackout drinking, adverse physical effects, and social consequences*. Poster to be presented at the annual meeting of the Society for Study of Emerging Adulthood. (Virtual).
82. Mogle, J., **Linden-Carmichael, A. N.**, Miller, S.*, & Almeida, D. (2021, November). *Daily alcohol use covaries with daily concentration problems in younger and older adults: Findings from the MIDUS Refresher*. Poster to be presented at the annual meeting of the Gerontological Society of America, Phoenix, AZ.
81. **Linden-Carmichael, A. N.**, & Calhoun, B. H.* (2021, June). *Rating subjective alcohol effects in daily life using contemporary young adult language*. Poster accepted at the annual meeting of the Research Society on Alcoholism, San Antonio, TX. (Virtual)
80. Abrams, A. L.*, & **Linden-Carmichael, A. N.** (2021, June). *Drunk and high: Differences in motives for simultaneous use by method of marijuana administration*. Poster submitted to the annual meeting of the Research Society on Alcoholism, San Antonio, TX. (Virtual)
79. Abrams, A. L.*, & **Linden-Carmichael, A. N.** (2021, June). *Cross-fading: Motivations for simultaneous alcohol and marijuana use predicting mental health outcomes*. Poster submitted to the annual meeting of the Research Society on Alcoholism, San Antonio, TX. (Virtual)
78. Allen, H. K., **Linden-Carmichael, A. N.**, & Lanza, S. T. (2021, June). *The age-varying association between sleep and alcohol use disorder across adulthood: Ages 18 to 65*. Poster accepted at the annual meeting of the Research Society on Alcoholism Annual Meeting, San Antonio, TX. (Virtual)
77. **Linden-Carmichael, A. N.**, Allen, H. K.*, & Lanza, S. T. (2021, May). *A daily diary investigation of the socio-environmental context of simultaneous alcohol and marijuana use among young adults*. Paper presented at the annual meeting of the Society for Prevention Research. Conference held virtually.
76. Silva Gallardo, C.*, **Linden-Carmichael, A. N.**, Dziak, J. D., & Kamens, H. (2021, February). *Age-varying associations between cigarette smoking initiation and cannabis use among Chilean adolescents*. Paper presented at the annual meeting of the Society for Research on Nicotine and Tobacco (remote).

75. Allen, H. K.*, **Linden-Carmichael, A. N.**, & Lanza, S. T. (2020, October). *Alcohol use disorder and employment across adulthood: Age-varying associations*. Poster presented at the annual meeting of the American Public Health Association, San Francisco, CA.
74. Van Doren, N.*, **Linden-Carmichael, A. N.**, Bray, B. C., & Lanza, S. T. (2020, June). *Examining daily patterns of substance use in young adults and their relation to daily stress and negative affect: An application of latent class analysis to daily diary data*. Poster to be presented at the annual meeting of the Modern Modeling Methods (M3), Storrs, CT.
73. **Linden-Carmichael, A. N.**, & Allen, H. K.* (2020, June). *Profiles of simultaneous alcohol and marijuana use: Individual differences in demographic factors and substance use*. Poster to be presented at the annual meeting of the Research Society on Alcoholism, New Orleans, LA. (Conference canceled)
72. Graupensberger, S.*, **Linden-Carmichael, A. N.**, Turrisi, R., & Mallett, K. (2020, June). *Time-varying patterns of alcohol and illicit substance use across four years of college: Differences in trajectories by Greek affiliation and sport participation*. Poster submitted to the annual meeting of the Research Society on Alcoholism, New Orleans, LA.
71. Stull, S.*, Cloutier, R. M.*, **Linden-Carmichael, A. N.**, & Lanza, S. T. (2020, May). *The role of parental problematic substance use in offspring co-morbid major depressive disorder and substance use disorder*. Poster presented at the annual meeting of the Society for Prevention Research, Washington, D.C.
70. San Jose (Abrams), A. L.*, **Linden-Carmichael, A. N.**, & Frank, J. (2020, May). *High-intensity drinking versus heavy episodic drinking: Differences in risky behaviors across adolescence*. Poster presented at the annual meeting of the Society for Prevention Research, Washington, D.C.
69. Cloutier, R. M.*, Calhoun, B. H.*, Lanza, S. T., & **Linden-Carmichael, A. N.** (2020, May). *A daily-level examination of cannabis use and consequences in varying social contexts*. Poster presented at the annual meeting of the Society for Prevention Research, Washington, D.C. **Awarded Abstract of Distinction.**
68. **Linden-Carmichael, A. N.**, Masters, L. D., Luneke, A. C.*, & Lanza, S. T. (2019, June). *"Buzzwords": Crowd-sourcing young adult language to capture momentary feelings of alcohol and marijuana intoxication*. Paper presented at the biannual meeting of the Society for Ambulatory Assessment, Syracuse, NY.
67. Russell, M. A., **Linden-Carmichael, A. N.**, Lanza, S. T., & Piasecki, T. (2019, June). *Affective trends prior to and after drinking in an ecological momentary assessment protocol: An application of three-level time-varying effect modeling*. Paper presented at the annual meeting of the Society for Ambulatory Assessment, Syracuse, NY.
66. Allen, H. K.*, **Linden-Carmichael, A. N.**, Lanza, S. T., Vincent, K. B., & Arria, A. M. (2019, June). *Dynamic associations between alcohol use and academic burnout throughout doctoral programs: Variation by degree type*. Poster presented at the annual meeting of the Research Society on Alcoholism, Minneapolis, MN.

65. **Linden-Carmichael, A. N.**, Masters, L. D., & Lanza, S. T. (2019, June). Simultaneous alcohol and marijuana use versus single-substance use occasions: Differences by perceived daily stress. In J. Merrill and J. Wardell (Co-Chairs), *Advancements in research on the cannabis-alcohol link: Part 2 - Event-level antecedents and consequences of simultaneous use*. Symposium presented at the annual meeting of the Research Society on Alcoholism, Minneapolis, MN.
64. **Linden-Carmichael, A. N.**, Calhoun, B. H.*, Patrick, M. E., Allen, H. K.*, & Maggs, J. L. (2019, June). High-intensity drinking and protective behavioral strategy use: Context matters. In A. Fairlie and N. Scaglione (Co-Chairs), *Understanding protective behavioral strategies through event-level examinations for behavior and innovative intervention*. Symposium presented at the annual meeting of the Research Society on Alcoholism, Minneapolis, MN.
63. **Linden-Carmichael, A. N.**, Masters, L. D., Allen, H. K.*, & Lanza, S. T. (2019, May). Age-varying trends in co-use of marijuana and heavy episodic drinking: Implications for nonmedical prescription drug use. In S. T. Lanza (Chair), *Opioid and other nonmedical prescription drug use in the United States: Contemporary trends in use, co-use, and correlates to identify opportunities for prevention*. Symposium presented at the annual meeting of the Society for Prevention Research, Washington, D.C.
62. Lanza, S. T., Masters, L. D., & **Linden-Carmichael, A. N.** (2019, May). Contemporary trends in nonmedical prescription drug use as a function of individual and sociodemographic characteristics: Ages 12 to 90. In S. T. Lanza (Chair), *Opioid and other nonmedical prescription drug use in the United States: Contemporary trends in use, co-use, and correlates to identify opportunities for prevention*. Symposium presented at the annual meeting of the Society for Prevention Research, Washington, D.C.
61. Lau-Barraco, C., Braitman, A. L., **Linden-Carmichael, A. N.**, & Stamates, A. L. (2018, November). *Potential mechanisms of change of a personalized feedback alcohol intervention for nonstudent emerging adult drinkers*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Washington, D.C.
60. Stamates, A. L., Lau-Barraco, C., Braitman, A. L., & **Linden-Carmichael, A. N.** (2018, November). *Protective behavioral strategy use as a moderator of a brief intervention trial targeting nonstudent drinkers*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Washington, D.C.
59. **Linden-Carmichael, A. N.**, Russell, M. A., & Lanza, S. T. (2018, June). *An innovative approach to identify cut-points for problematic drinking in a nationally representative sample of young adults*. Poster presented at the annual meeting of the Research Society on Alcoholism, San Diego, CA.
58. **Linden-Carmichael, A. N.**, Calhoun, B.*, Patrick, M. E., & Maggs, J. (2018, May). High-intensity drinking and use of protective behavioral strategies: An intensive longitudinal measurement-burst design. In A. N. Linden-Carmichael (Chair), *Using intensive longitudinal methods to elucidate risk and protective factors in problematic young adult substance use*. Symposium presented at the annual meeting of the Society for Prevention Research, Washington, D.C.
57. **Linden-Carmichael, A. N.**, Ames, M.*, & Leadbeater, B. (2018, May). Time-varying effects in the strength of associations between cannabis use frequency and disorder and symptoms of

- psychosis, anxiety, and depression in adolescents and adults. In K. Thompson (Chair), *Health risks and health promotion in the context of cannabis legalization in Canada*. Symposium presented at the annual meeting of the Society for Prevention Research, Washington, D.C.
56. **Linden-Carmichael, A. N.**, Dziak, J. J., Vasilenko, S. A., & Lanza, S. T. (2018, April). *Dynamic features of problematic drinking behavior across age*. Poster presented at the annual meeting of the Society of Behavioral Medicine, New Orleans, LA.
55. Braymiller, J. L.*, Masters, L. D., **Linden-Carmichael, A. N.**, & Lanza, S. T. (2018, April). *Contemporary patterns of marijuana use and attitudes among high school seniors: 2010-2014*. Poster presented at the annual meeting of the Society of Behavioral Medicine, New Orleans, LA.
54. **Linden-Carmichael, A. N.**, & Lanza, S. T. (2018, April). *High-intensity drinking: Prevalence rates across adulthood by gender and race/ethnicity*. Poster presented at the annual meeting of the Society of Behavioral Medicine, New Orleans, LA.
53. Lau-Barraco, C., **Linden-Carmichael, A. N.**, Stamates, A. L., & Preonas, P. D. (2017, August). *A daily diary study of drinking and non-drinking days in nonstudent drinkers*. Poster presented at the annual meeting of the American Psychological Association, Washington, D.C.
52. Stamates, A. L., **Linden-Carmichael, A. N.**, Preonas, P. D., & Lau-Barraco, C. (2017, June). *A daily diary examination of impulsivity, mood, intentions to drink, and alcohol-related problems*. Poster presented at the annual meeting of the Research Society on Alcoholism, Denver, CO.
51. **Linden-Carmichael, A. N.**, & Lanza, S. T. (2017, June). *Characterizing college and non-college young adult drinking behavior: Findings from a national sample of 18 to 22 year-old drinkers*. Poster presented at the annual meeting of the Research Society on Alcoholism, Denver, CO.
50. Stamates, A. L., **Linden-Carmichael, A. N.**, Martin, I.*, & Lau-Barraco, C. (2017, May). *The relationship between daily affect and drinking: Is age of onset a moderator?* Poster presented at the annual meeting of the Association for Psychological Science, Boston, MA.
49. **Linden-Carmichael, A. N.**, & Lanza, S. T. (2017, May). *An epidemiological latent class analysis of alcohol use behavior among adult drinkers*. Poster presented at the annual meeting of the Society for Prevention Research, Washington, D.C.
48. **Linden-Carmichael, A. N.**, & Lau-Barraco, C. (2017, May). Daily context of alcohol mixed with energy drinks: Targets for intervention. In C. Lau-Barraco (Chair), *Intervening with and identifying risk factors for problematic drinking among emerging adults: Results with college and noncollege samples*. Symposium presented at the annual meeting of the Society for Prevention Research, Washington, D.C.
47. Stamates, A. L., **Linden-Carmichael, A. N.**, Sheehan, B. E., Preonas, P., & Lau-Barraco, C. (2017, May). *The most recent episode of Molly use: Implications for prevention among college students*. Poster presented at the annual meeting of the Society for Prevention Research, Washington, D.C.
46. Lau-Barraco, C., Braitman, A. L., Stamates, A. L., & **Linden-Carmichael, A. N.** (2016,

- October). *The interaction between weekend drinking and holiday drinking contexts on daily alcohol use*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, New York, NY.
45. **Linden-Carmichael, A. N.**, & Lau-Barraco, C. (2016, June). *A daily diary examination of caffeinated alcoholic beverages and alcohol-related problems*. Poster and paper presented at the annual meeting of the Research Society on Alcoholism, New Orleans, LA. **Finalist for Enoch Gordis Research Recognition Award.**
44. **Linden-Carmichael, A. N.**, Lau-Barraco, C., Stamates, A. L., Amory, K.*, & Ricketts, N.* (2015, October). *Profiles of nonstudent emerging adults' marijuana and alcohol use: Differences in substance use expectancies*. Poster submitted to the annual meeting of the Society for the Study on Emerging Adulthood, Miami, FL.
43. Lau-Barraco, C., **Linden-Carmichael, A. N.**, & Stamates, A. (2015, October). *Differences in emerging adulthood features between single and poly-substance users*. Poster submitted to the annual meeting of the Society for the Study on Emerging Adulthood, Miami, FL.
42. Stamates, A. L., **Linden-Carmichael, A. N.**, Lau-Barraco, C. (2015, June). *Are there associated risks when mixing alcohol with diet beverages?* Poster presented at the annual meeting of the Research Society on Alcoholism, San Antonio, TX.
41. **Linden-Carmichael, A. N.**, Stamates, A. L., & Lau-Barraco, C. (2015, June). *Caffeinated alcohol use: The mixer matters*. Poster presented at the annual meeting of the Research Society on Alcoholism, San Antonio, TX.
40. **Linden-Carmichael, A. N.**, Amory, K.*, & Lau-Barraco, C. (2015, June). *A preliminary investigation of caffeinated alcohol use during Spring Break*. Poster presented at the annual meeting of the Research Society on Alcoholism, San Antonio, TX.
39. Lau-Barraco, C., Braitman, A. L., Stamates, A., & **Linden-Carmichael, A. N.** (2015, June). *Alcohol use fluctuations in a community-based sample of nonstudent emerging adult heavy drinkers*. Poster presented at the annual meeting of the Research Society on Alcoholism, San Antonio, TX.
38. **Linden-Carmichael, A. N.**, Ricketts, N.*, Amory, K.*, & Lau-Barraco, C. (2015, April). *Perceived behavioral control as a moderator of anxiety symptoms and alcohol consumption*. Poster presented at the biannual meeting of the Virginia Psychological Association, Virginia Beach, VA. **Awarded William Applegate Award (best graduate poster in an applied area).**
37. Lau-Barraco, C., **Linden-Carmichael, A.**, & Stamates, A. (2015, March). *Associations between heavy alcohol use and drinking-related eating patterns*. Poster presented at the annual meeting of the Southeastern Psychological Association, Hilton Head, SC.
36. Lau-Barraco, C., Stamates, A., & **Linden-Carmichael, A.** (2015, March). *Self-control as a mediator of the relationship between heavy alcohol use and drinking-related eating patterns*. Poster presented at the annual meeting of the Southeastern Psychological Association, Hilton Head, SC.
35. Valdivieso-Bain, C., Lau-Barraco, C., & **Linden-Carmichael, A. N.** (2014, November). *Risk*

- perception explains the relationship between drinking norms and alcohol outcomes.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA.
34. **Linden, A. N.**, Lau-Barraco, C., & Kelley, M. L. (2014, November). *Young adult female drinkers and their dating partners' profiles: Associations with relationship conflicts and relationship-specific alcohol expectancies.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA.
 33. Lau-Barraco, C., **Linden, A. N.**, & Stamates, A. L. (2014, November). *Features of emerging adulthood and alcohol involvement.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA.
 32. **Linden, A. N.**, Lau-Barraco, C., & Braitman, A. L. (2014, November). *Patterns of situational antecedents to drinking among young adults.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA.
 31. Sheehan, B., **Linden, A. N.**, & Lau-Barraco, C. (2014, November). *Self-regulation moderates the association of caffeinated and non-caffeinated alcohol use on indirect aggression.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA.
 30. Stamates, A. L., **Linden, A. N.**, Mahek, L. E.*, & Lau-Barraco, C. (2014, November). *Alcohol expectancies mediate the relationship between age of first intoxication and drinking outcomes.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA.
 29. **Linden, A. N.**, Lau-Barraco, C., Braitman, A. L., & McQuown, V.* (2014, June). *A preliminary investigation of daily caffeinated alcohol use.* Poster presented at the annual meeting of the Research Society on Alcoholism, Bellevue, WA.
 28. **Linden, A. N.**, Lau-Barraco, C., & Stamates, A. L. (2014, June). *Caffeinated alcohol-specific expectancies as a mediator of use and outcomes.* Poster presented at the annual meeting of the Research Society on Alcoholism, Bellevue, WA.
 27. Stamates, A. L., Evans, M.*, Lau-Barraco, C., & **Linden, A. N.** (2014, April). *When did you start drinking? Predicting current alcohol use patterns.* Poster presented at the biannual meeting of the Virginia Psychological Association, Norfolk, VA.
 26. **Linden, A. N.**, & Lau-Barraco, C. (2014, April). *An in-depth examination of caffeinated alcohol consumption patterns.* Paper presented at the biannual meeting of the Virginia Psychological Association, Norfolk, VA. **Awarded Frank Finger Award (best graduate paper presentation).**
 25. Braitman, A. L., Henson, J. M., & **Linden, A. N.** (2013, November). *Violating the assumption of normality: A comparison of multilevel modeling estimates.* Poster presented at the annual meeting of the Clinical Research Methods and Statistics Special Interest Group for the Association for Behavioral and Cognitive Therapies, Nashville, TN.

24. **Linden, A. N.**, Kelley, M. L., Milletich, R. J., Lau-Barraco, C., Doty, E., Bodkins, J., Sheehan, B. E., & D'Lima, G. (2013, November). *Self and partner alcohol-related problems among ACOAs and non-ACOA: Associations with depressive symptoms and motivations for alcohol use*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Nashville, TN.
23. Valdivieso-Bain, C., **Linden, A. N.**, Lau-Barraco, C., & Jackson, L. (2013, November). *Norm compliance and its impact on alcohol consumption among emerging adults*. Poster presented at the annual meeting of the Associations for Behavioral and Cognitive Therapies in Nashville, TN.
22. Lau-Barraco, C., Milletich, R., & **Linden, A. N.** (2013, November). *A comparison of latent profiles of caffeinated alcohol users on alcohol- and caffeine-related expectancies*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Nashville, TN.
21. **Linden, A. N.**, Lau-Barraco, C., & Milletich, R. J. (2013, November). *Protective behavioral strategies as an influential variable in the anxiety and alcohol-related problems association*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Nashville, TN.
20. Lau-Barraco, C., Milletich, R., & **Linden, A. N.** (2013, June). *A latent profile analysis of caffeinated alcohol users*. Poster presented at the annual meeting of the Research Society on Alcoholism, Orlando, FL.
19. **Linden, A. N.**, Lau-Barraco, C., Milletich, R. J., Evans, M.*, & Minifie, J. (2013, June). *Alcohol expectancies and drinking as mediated by drinking motives and protective behavioral strategies*. Poster presented at the annual meeting of the Research Society on Alcoholism, Orlando, FL.
18. **Linden, A. N.**, Lau-Barraco, C., & Milletich, R. J. (2013, June). *Protective behavioral strategies in a model of anxiety and college student drinking*. Poster presented at the annual meeting of the Research Society on Alcoholism, Orlando, FL.
17. Lau-Barraco, C., **Linden, A. N.**, & D'Lima, G. (2013, June). *Caffeinated alcohol users' expectancies for caffeine versus alcohol*. Poster presented at the annual meeting of the American Psychological Association, Honolulu, Hawaii.
16. **Linden, A. N.**, Hollis, B. F.*, & Lau-Barraco, C. (2013, April). *Social network characteristics predicting college student binge drinking*. Poster presented at the biannual meeting of the Virginia Psychological Association, Richmond, VA.
15. **Linden, A. N.**, Lau-Barraco, C., & Hempler, E.* (2013, April). *Reasons for consuming caffeinated alcohol among college students with anxiety*. Poster presented at the biannual meeting of the Virginia Psychological Association, Richmond, VA.
14. **Linden, A. N.**, Lau-Barraco, C., Mills, S.*, & McQuown, V.* (2013, April). *Caffeinated alcohol and stimulant use: Are anxious students at risk?* Poster presented at the biannual meeting of the Virginia Psychological Association, Richmond, VA. **Awarded Graduate Poster Award.**

13. **Linden, A. N.**, D'Lima, G., & Lau-Barraco, C. (2012, November). *Caffeinated alcohol and negative consequences: Are caffeine expectancies a mediator?* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, National Harbor, MD.
12. **Linden, A. N.**, Lau-Barraco, C., & D'Lima, G. (2012, November). *Associations between caffeinated alcohol use and anxiety in a college sample.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, National Harbor, MD.
11. Sheehan, B. E., D'Lima, G., **Linden, A. N.**, & Lau-Barraco, C. (2012, November). *Associations between risky drinking behaviors and alcohol-related problems as mediated by drinking motives.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, National Harbor, MD.
10. Lau-Barraco, C., **Linden, A. N.**, Hequembourg, A., & Pribesh, S. (2012, November). *An exploratory study of the perceptions of drinking among nonstudent emerging adults.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, National Harbor, MD.
9. **Linden, A. N.**, Hollis, B. F.*, & Lau-Barraco, C. (2012, August). *Depressive symptoms and alcohol consumption: Perceived norms as a mediator.* Poster presented at the annual meeting of the American Psychological Association, Orlando, FL.
8. **Linden, A. N.**, Sheehan, B. E., Hollis, B. F.*, & Lau-Barraco, C. (2012, August). *Associations between caffeinated alcohol use and alcohol-related problems as moderated by time perspective.* Poster presented at the annual meeting of the American Psychological Association, Orlando, FL.
7. Hollis, B. F.*, **Linden, A. N.**, & Lau-Barraco, C. (2012, April). *Risky drinking practices and alcohol-related problems: Are perceptions of peer drinking important?* Poster presented at the annual meeting of the Virginia Psychological Association, Norfolk, VA.
6. Lau-Barraco, C., & **Linden, A. N.** (2011, October). *Gender differences in mental health functioning among young adult binge drinkers in the United States.* Poster presented at the annual meeting of the International Congress on Dual Disorders, Barcelona, Spain.
5. **Linden, A. N.**, Hollis, B. F.*, & Lau-Barraco, C. (2011, October). *Psychological symptoms and alcohol-related problems: Time perspective as a mediator.* Poster presented at the annual meeting of the International Congress on Dual Disorders, Barcelona, Spain.
4. Lau-Barraco, C., **Linden, A. N.**, & Braitman, A. (2011, October). *Drinking buddies: Do they matter when it comes to emerging adult drinking?* Poster presented at the annual meeting of the Society for the Study on Emerging Adulthood, Providence, RI.
3. **Linden, A. N.**, Lau-Barraco, C., Braitman, A. L., & Hollis, B. F.* (2011, November). *Perceived norms and drinking motives as predictors of alcohol outcomes among socially anxious college students.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Toronto, Canada.

2. Quirk, S. W., & Linden, A. N. (2009, September). *High trait anxiety and the accurate prediction of future negative emotional states*. Poster presented at the annual meeting of the Society for Research in Psychopathology conference, Minneapolis, MN.
1. Kaiser, A., Linden, A. N., Paggeot, A., Quinn, T., & Sowers, K. (2009, April). *Emotional awareness and maladaptive self views as predictors of health concerns*. Poster presented at the annual Student Research and Creative Endeavors Exhibition, Mount Pleasant, MI.

TEACHING EXPERIENCE

- Fall 2021 Guest Lecturer, *Developmental Science in Addictions* (PSY 529), Penn State
- Spring 2021 Instructor, *Latent Class Analysis* (Independent Study, HDFS 596-014), Penn State
- Spring 2020 Instructor, *Introduction to Time-Varying Effect Modeling* (HDFS 597-004), Penn State
- Spring 2020 Instructor, *Latent Class Analysis* (Independent Study, HDFS 596-014), Penn State
- Spring 2020 Guest Lecturer, *Developmental Science in Addictions* (PSY 529), Penn State
- Spring 2019 Instructor, *Introduction to Time-Varying Effect Modeling* (BBH 597-006), Penn State
- Spring 2019 Guest Lecturer, *Substance Use Across the Lifespan: Focus on Adolescence and Young Adulthood* (HDFS 497), Penn State
- Spring 2016 Instructor, *Research Methods in Psychology* (PSYC 318W), Old Dominion University
- Fall 2015 Instructor, *Introduction to Psychology* (PSYC 201S), Old Dominion University
- Summer 2015 Instructor, *Introduction to Psychology* (PSYC 201S), Old Dominion University
- Spring 2015 Instructor, *Research Methods in Psychology* (PSYC 318W), Old Dominion University
- Summer 2014 Lecturer, *Statistics Bootcamp*, Old Dominion University
- Summer 2014 Instructor, *Health Psychology* (PSYC 306), Old Dominion University
- Spring 2014 Instructor, *Health Psychology* (PSYC 306), Old Dominion University
- Fall 2013 Instructor, *Health Psychology* (PSYC 306), Old Dominion University
- Fall 2010 Guest Lecturer, *Abnormal Psychology* (PSYC 405/505), Old Dominion University
- Fall 2010 Graduate Teaching Assistant, *Abnormal Psychology* (PSYC 405/505), Old Dominion University
- Fall 2007 Undergraduate Teaching Assistant, *Introduction to Psychology* (PSY 100), Central Michigan University

MENTORING EXPERIENCE

Mentor for NIH/NIDA T32 Prevention and Methodology Training Program (T32 DA017629)

- 2021 – Shou-Chun (Nathan) Chiang, M.S., Predoctoral Fellow
- 2020 – Tong Chen, M.S., Predoctoral Fellow
- 2019 – 2021 Alyssa San Jose Abrams, M.Ed., Predoctoral Fellow
- 2019 – 2021 Renee Cloutier, Ph.D., Postdoctoral Fellow
(Joined University of Pittsburgh as Senior Research Scientist in 2021)
- 2019 – Natalia Van Doren, M.S., Predoctoral Fellow
- 2018 – 2020 Hannah Allen, Ph.D., Postdoctoral Fellow
(Joined University of Mississippi as tenure-track Assistant Professor in 2020)

Dissertation Committees

- 2021 – Alyssa San Jose Abrams, Department of Educational Psychology, Counseling, and Special Education (School Psychology), Penn State
Role: Committee Member; Chair: Jennifer Frank, Ph.D.
- 2020 – Natalia Van Doren, Department of Psychology (Clinical Psychology), Penn State
Role: Co-Chair with José Soto, Ph.D.

2020 – Sydney Reichin, Department of Psychology (I/O Psychology), Penn State
Role: Academic Minor Advisor/Committee Member; Chair: James LeBreton, Ph.D.

Comprehensive Exam Committees

2021 Tong Chen, Department of Psychology (Developmental Psychology), Penn State
Role: Committee Member; Chair: Jenae Neiderhiser, Ph.D.

2020 Natalia Van Doren, Department of Psychology (Clinical Psychology), Penn State
Role: Co-Chair with José Soto, Ph.D.

2020 Sydney Reichin, Department of Psychology (I/O Psychology), Penn State
Role: Academic Minor Advisor/Committee Member; Chair: James LeBreton, Ph.D.

Master's Thesis Committees

2021 – Megan Michael, Department of Psychology (Clinical Psychology), Drexel University
Role: Committee Member; Chair: Adrienne Juarascio, Ph.D.

PROFESSIONAL SERVICE

Service to the National Institutes of Health

2021 NIH Ad-Hoc Member, Center for Scientific Review, Addiction Risks and Mechanisms

2020 NIH Ad-Hoc Member, Center for Scientific Review, Addiction Risks and Mechanisms

2018 – 2020 NIH Center for Scientific Review Early Career Reviewer Program

2017 – NIH Loan Repayment Program Ambassador

Editorial Service

2020 – 2021 Lead Guest Co-Editor for Special Issue, *Psychology of Addictive Behaviors* entitled, “Combined Use of Alcohol and Cannabis: Patterns, Predictors, Consequences, and Mechanisms of Change”

2019 – Editorial Board Member, *Psychology of Addictive Behaviors*

2012 – Ad-hoc Reviewer, *Addiction; Addiction Research & Theory; Addictive Behaviors; Addictive Behaviors Reports; Alcohol & Alcoholism; Alcohol Research: Current Reviews; Alcoholism: Clinical & Experimental Research; The American Journal of Drug and Alcohol Abuse; The American Journal of Preventive Medicine; Brain & Behavior; Cultural Diversity and Ethnic Minority Psychology; Drug and Alcohol Dependence; Drug and Alcohol Review; Emerging Adulthood; Experimental and Clinical Psychopharmacology; Health Education & Behavior; Journal of Adolescence; Journal of Adolescent Health; Journal of American College Health; Journal of Research on Adolescence; Journal of Studies on Alcohol and Drugs; Neuroscience & Biobehavioral Reviews; Prevention Science; Psychological Medicine; Psychology of Addictive Behaviors; Substance Abuse; Substance Abuse: Research and Treatment; Substance Use & Misuse*

Service to the Profession

2020 Grant Reviewer, Small Grants Program for Graduate Students for the Research Society on Alcoholism

2019 Abstract Theme Review Committee Member, “Mobile Health (mHealth) in Prevention Science: Assessment, Intervention, and Analysis” for the Society for Prevention Research

2018 Taskforce Member, “Mapping Advances in Prevention Science (MAPS) V Task Force – Mobile Health Data” for the Society for Prevention Research

2018 Abstract Theme Review Committee Member, “Application of Research Design and Methods for Optimizing Prevention Science” for the Society for Prevention Research

- 2017 Conference Submission Reviewer for the Society for Prevention Research
2014 Invited Graduate Student Panelist, “An Open Conversation with Current/Former Doctoral Program and Internship Training Directors” at the biannual Virginia Psychological Association conference

Service to The Pennsylvania State University

- 2021 Grant Reviewer, Social Science Research Institute
2020 Grant Reviewer, Faculty Fellows, Social Science Research Institute
2020 – Member, Group to Reduce Racial Inequities in Prevention, Prevention Research Center
2020 Grant Reviewer, Graduate Research Award for Health and Challenges Faced by Diverse and Oppressed Populations, Prevention Research Center
2020 Search Committee Member, Human Research Technologist, Prevention Research Center
2019 – 2020 Organizer, Time-Varying Effect Modeling Special Interest Group (monthly meeting), The Methodology Center
2019 Search Committee Member for Research Project Manager, Prevention Research Center
2019 Search Committee Member for Assistant Research Professor, Prevention Research Center
2019 Invited Panelist, “Roundtable Discussion of Career Options for New PhDs” for the Prevention and Methodology Training (PAMT) T-32 program
2018 Search Committee Chair for Research Technologist, Prevention Research Center
2017 Invited Panelist, “Research in the College of Health and Human Development,” Health and Human Development Honor Society
2017 – Organizer, Edna Bennett Pierce Prevention Scientist Seminar Series, Prevention Research Center
2017 Invited Panelist, “Marketing Yourself Early in Your Graduate School Experience” at the Career Exploration Workshop, Graduate School Alumni Society
2017 – 2019 Judge, Graduate Exhibition Poster Session

Service to Old Dominion University

- 2016 Invited Panelist, “Getting into and Succeeding in Graduate School,” Psi Chi Chapter
2014 Invited Evaluator, College of Sciences’ Graduate Teaching Assistant Institute

PRESS RELEASES

“Using Alcohol and Marijuana Together Exacerbates Negative Consequences in Young Adults. By William Ross Perlman, Ph.D., *NIDA Notes*, July 5, 2021. References 2020 article published in *Psychology of Addictive Behaviors*. Available at: <https://www.drugabuse.gov/news-events/nida-notes/2021/06/using-alcohol-marijuana-together-exacerbates-negative-consequences-young-adults>

“How Drunk is ‘Drunk?’ New Scale Helps Predict Negative Drinking Effects.” By Sara Brennen, *Penn State News*, May 18, 2021. References 2021 article published in *Experimental and Clinical Psychopharmacology*. Available at: <https://news.psu.edu/story/659315/2021/05/18/research/how-drunk-drunk-new-scale-helps-predict-negative-drinking-effects>

“Words Used to Describe Alcohol Intoxication May Give Clues to Drinking Habits.” By Katie Bohn, *Penn State News*, August 19, 2020. References 2020 article published in *Experimental and Clinical*

Psychopharmacology. Available at: <https://news.psu.edu/story/628338/2020/08/19/research/words-used-describe-alcohol-intoxication-may-give-clues-drinking>

“Marijuana May Boost Risky Effects of Drinking Alcohol.” By Katie Bohn, *Penn State News*, August 19, 2019. References 2019 article published in *Substance Use & Misuse*. Available at: <https://news.psu.edu/story/583487/2019/08/19/research/marijuana-may-boost-risky-effects-drinking-alcohol>

“A Close Watch: IST Seed Grant Funds Study to Assess and Predict Substance Co-Use.” By Jessica Hallman, *Penn State News*, March 13, 2019. References 2019 IST seed grant awarded to Linden-Carmichael and Abdullah (Co-PIs). Available at: <https://news.psu.edu/story/562939/2019/03/13/research/close-watch-ist-seed-grant-funds-study-assess-and-predict-substance>

“The Five Types of Problem Drinking are More Common at Different Ages.” By Katie Bohn, *Penn State News*, November 26, 2018. References 2018 article published in *Alcohol & Alcoholism*. Available at: <https://news.psu.edu/story/548294/2018/11/26/research/five-types-problem-drinking-are-more-common-different-ages>

SELECT MEDIA COVERAGE

“Marijuana-Alcohol Combo Linked to Riskier Behavior in Penn State Study” By Mcihael Tanenbaum, *Philly Voice*, August 13, 2019. References 2019 article published in *Substance Use & Misuse*. Available at: <https://www.phillyvoice.com/marijuana-alcohol-linked-riskier-behavior-penn-state-study/>

“There Are Five Types of Problem Drinkers, According to Researchers – Are You One of Them?” By Maria Lally, *The Telegraph*, December 6, 2018. References 2018 article published in *Alcohol & Alcoholism*. Available at: <https://www.telegraph.co.uk/health-fitness/body/five-types-problem-drinkers-according-researchers-one/>

“A New Study Says There Are 5 Different Types of Problem Drinkers. Here’s What They Are.” By Jamie Ducharme, *TIME*, November 28, 2018. References 2018 article published in *Alcohol & Alcoholism*. Available at: <http://time.com/5464477/types-of-alcohol-use-disorder/>

“There Are 5 Types of Problem Drinkers, Which Are You?” By Annie Hayes, *Men’s Health*, November 28, 2018. References 2018 article published in *Alcohol & Alcoholism*. Available at: <http://www.menshealth.co.uk/healthy/there-are-5-types-of-problem-drinker-which-are-you>

“Penn State Researchers ID Five Age-Specific ‘Profiles’ of Problem Drinkers.” By Bailey King, *Philly Voice*, November 27, 2018. References 2018 article published in *Alcohol & Alcoholism*. Available at: <https://www.phillyvoice.com/types-problem-drinking-age-penn-state-study/>

“Do You Struggle to Cut Back on Alcohol or Does it Make You Take Risks? Scientists Uncover Five Types of Problem Drinkers.” By Vanessa Chalmers, *Daily Mail*, November 27, 2018. References 2018 article published in *Alcohol & Alcoholism*. Available at: <https://www.dailymail.co.uk/health/article-6433537/Does-alcohol-hangover-injury-Scientists-uncover-five-types-problem-drinkers.html>

PROFESSIONAL MEMBERSHIPS

American Psychological Association

Updated 8/23/2021

Research Society on Alcoholism
Society for Ambulatory Assessment
Society for Prevention Research
NIH Loan Repayment Program (LRP) Ambassador Network

ADVANCED STATISTICAL AND METHODOLOGICAL TRAININGS

Building Just-In-Time Adaptive Interventions, University of Michigan. Ann Arbor, MI, 2021.

Machine Learning, Statistical Horizons, Remote Seminar, 2020.

Statistics with R, Statistical Horizons, Remote Seminar, 2020.

Micro-randomized Trial Brainstorming Sessions with Dr. Susan Murphy, Harvard University. Cambridge, MA, 2018.

Analysis of Ecological Momentary Assessment Data, Summer Institute, The Methodology Center, The Pennsylvania State University. University Park, PA, 2018.

Design Sprints and Usability Testing: Innovative, Fast-Paced Methods for Creating User-Friendly Digital Health Interventions, Society for Behavioral Medicine. New Orleans, LA, 2018.

Analysis of Ambulatory Assessment Data in Behavioral Medicine, Society for Behavioral Medicine. New Orleans, LA, 2018.

Statistical Power Analysis for Intensive Longitudinal Studies, Summer Institute, The Methodology Center, The Pennsylvania State University. University Park, PA, 2017.

Ecological Momentary Assessment: Investigating Biopsychosocial Processes in Context, Summer Institute, The Methodology Center, The Pennsylvania State University. University Park, PA, 2016.

Applied Longitudinal Mixture Modeling, Stats Camp, Texas Tech University. Albuquerque, NM, 2016.

Analyzing Intensive Longitudinal Data: A Guide to Daily, Experience Sampling, and Ecological Momentary Assessment Methods, University of Massachusetts at Amherst. Amherst, MA, 2015.

Alcohol administration data collection with Dr. Cecile Marczynski, Northern Kentucky University. Highland Heights, KY, 2015.

Introduction to Hierarchical Linear Models for Longitudinal Data, Association for Behavioral and Cognitive Therapies. Philadelphia, PA, 2014.

Advanced Topics in Structural Equation Modeling, Association for Behavioral and Cognitive Therapies. Nashville, TN, 2013.

Mplus: Introduction and Basic Functions, Old Dominion University. Norfolk, VA, 2013.

Data Cleaning 101, Old Dominion University. Norfolk, VA, 2012.

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Longitudinal Data Analysis Using Structural Equation Modeling: Latent Growth Models, Association for Behavioral and Cognitive Therapies. National Harbor, MD, 2012.

Beginner's Guide to Structural Equation Modeling: Basic Concepts and Applications, American Psychological Association. Orlando, FL, 2012.

Motivational Interviewing. Norfolk, VA, 2012.