

CURRICULUM VITAE  
CHELSIE BENCA-BACHMAN, PhD  
Updated 10 May 2024

Brown University  
Department of Psychiatry and Human Behavior  
[Chelsie\\_Benca-Bachman@brown.edu](mailto:Chelsie_Benca-Bachman@brown.edu); [Chelsie.Bachman@va.gov](mailto:Chelsie.Bachman@va.gov); [Chelsie.Benca@Emory.edu](mailto:Chelsie.Benca@Emory.edu);

EDUCATION

Undergraduate            University of Michigan, Ann Arbor, 2009  
B.S. in Brain, Behavior, and Cognitive Science  
*Graduated with Honors*

Graduate                 University of Colorado, Boulder, 2017  
PhD in Behavioral, Psychiatric and Statistical Genetics  
*Jointly Sponsored Ruth L. Kirschstein Predoctoral Trainee (T32)*

Postdoctoral             Emory University, Psychology  
Postdoctoral Research Fellow, 2017-2019  
Psychiatric Genetics and Substance Use  
Visiting Postdoctoral Fellow, 2021-2024

POSTGRADUATE HONORS AND AWARDS

2022-2024                Scholar in Carney Institute for Brain Science's Advancing Research Careers  
Program (R25NS124530)

MILITARY SERVICE

None

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

None

ACADEMIC APPOINTMENTS

Assistant Professor of Psychiatry and Human Behaviors (Research)  
Associate Director of Research Projects, Emory University, Psychology, 2019-2021

HOSPITAL APPOINTMENTS

None

OTHER APPOINTMENTS

Scientific Researcher (Without Compensation), Providence Veterans Affairs Medical Center, 2021-  
Present

HOSPITAL COMMITTEES

None

UNIVERSITY COMMITTEES

None

AD HOC PEER-REVIEW

*Nature Communications; Nature Human Behaviour; Molecular Brain; Translational Psychiatry; Genes,  
Brain and Behavior; Psychological Medicine; Cognitive, Affective, and Behavioral Neuroscience*

MEMBERSHIP IN SOCIETIES

2013-	Member, Behavior Genetics Association
2013	Behavior Genetics Association Travel Award – International
2015	Behavior Genetics Association Travel Award – National
2010, 2018-2020	Member, Association for Psychological Science
2020	Member, American Association of Suicidology
2020-	Member, Research Society on Alcoholism
2022-	Member, Sleep Research Society

## PUBLICATIONS LIST

\* Denotes equal authorship.

### ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Juame-Feliciosi N., Benca-Bachman C.E., Holiday, E. Palmer, R.H. Individual differences in substance use motives trauma, and stress among college-based polysubstance users. *Substance Use & Misuse*. 2024 March; doi.org/10.1080/10826084.2024.2330911
2. **Benca-Bachman C.E.**, Bubier J., Syed R.A., Romero Villela P.N., Palmer R.H.C. Polygenic influences on the behavioral effects of alcohol withdrawal in a mixed-ancestry population from the collaborative study on the genetics of alcoholism (COGA). *Mol Cell Neurosci*. 2023 Jun;125:103851. doi: 10.1016/j.mcn.2023.103851. Epub 2023 Apr 7. PubMed PMID: 37031923; PubMed Central PMCID: PMC10315187.
3. Thompson M.F., Ghahramanlou-Holloway M., Murphy M.A., Perera K.U., **Benca-Bachman C**, Palmer R.H.C., Gray J.C. Resting-state network analysis of suicide attempt history in the UK Biobank. *Psychol Med*. 2023 May 31;:1-10. doi: 10.1017/S0033291723001356. [Epub ahead of print] PubMed PMID: 37254555.
4. McGeary J.E., **Benca-Bachman C.E.**, Risner V.A., Beevers C.G., Gibb B.E., Palmer R.H.C. Associating broad and clinically defined polygenic scores for depression with depression-related phenotypes. *Sci Rep*. 2023 Apr 21;13(1):6534. doi: 10.1038/s41598-023-33645-7. PubMed PMID: 37085695; PubMed Central PMCID: PMC10121555.
5. Huggett S.B., Ikeda A.S., Yuan Q., **Benca-Bachman C.E.**, Palmer R.H.C. Genome- and transcriptome-wide splicing associations with alcohol use disorder. *Sci Rep*. 2023 Mar 9;13(1):3950. doi: 10.1038/s41598-023-30926-z. PubMed PMID: 36894673; PubMed Central PMCID: PMC9998611.
6. Catherman C., Cassidy S., **Benca-Bachman C.E.**, Barber J.M., Palmer R.H.C. Associations between neuroticism, subjective sleep quality, and depressive symptoms across the first year of college. *J Am Coll Health*. 2023 Feb-Mar;71(2):381-388. doi: 10.1080/07448481.2021.1891917. Epub 2021 Mar 9. PMID: 33689579; PMCID: PMC8426424.
7. Jampel J., Quinn M.J., Catalano J.L., **Benca-Bachman C.E.**, Brick L., Philip N.S., Swift R.M., McGeary J.E. Synchronised transcranial magnetic stimulation for substance use-disordered Veterans: protocol for the pilot sham-controlled acceptability trial. *BMJ Open*. 2023 Jan 30;13(1):e066175. doi: 10.1136/bmjopen-2022-066175. PMID: 36717148; 1 PMCID: PMC9887721.
8. Hatoum A.S., Morrison C.L., Mitchell E.C., Lam M., **Benca-Bachman C.E.**, Reineberg A.E., Palmer R.H.C., Evans L.M., Keller M.C., Friedman N.P. Genome-wide Association Study Shows That Executive Functioning Is Influenced by GABAergic Processes and Is a Neurocognitive Genetic Correlate of Psychiatric Disorders. *Biol Psychiatry*. 2023 Jan 1;93(1):59-70. doi: 10.1016/j.biopsych.2022.06.034. Epub 2022 Jul 14. PMID: 36150907; PMCID: PMC9722603.
9. McGeary, J. E., Quinn, M. J., Starr, C. N., Borgia, M., **Benca-Bachman, C. E.**, Catalano, J. L., Philip, N. S. (2022). Variability in response to theta burst TMS for PTSD: The role of epigenetic mediation. *Brain Stimulation* 15(3): 576 – 578.
10. Risner, V. A., **Benca-Bachman, C. E.**, Bertin, L., Smith, A. K., Kaprio, J., McGeary, J. E., Chesler, E., Knopik, V., Friedman, N., & Palmer, R. H. C. (2021). Multi-polygenic Analysis of

- Nicotine Dependence in Individuals of European Ancestry. *Nicotine Tob Res.* May 19:ntab105. doi: 10.1093/ntr/ntab105. Epub ahead of print. PMID: 34008017
11. Brick, L., **Benca-Bachman, C.**, Bertin, L., Martin, K. P., Risner, V., & Palmer, R. (2021). The intermediary role of adolescent temperamental and behavioral traits on the prospective associations between polygenic risk and cannabis use among young adults of European Ancestry. *Addiction* 116(10):2779-2789. doi: 10.1111/add.15476
  12. Catherman, C., Cassidy, S., **Benca-Bachman, C.**, Barber, J., & Palmer, R.H.C. (2021). Associations between neuroticism, subjective sleep quality, and depressive symptoms across the first year of college, *Journal of American College Health*, DOI: 10.1080/07448481.2021.1891917
  13. Palmer, R.H.C., Johnson, E.C., Won, H., Polimanti, R., Kapoor, M., Chitre, A., Bogue, M.A., **Benca-Bachman, C.E.**, Parker, C.C., Verma, A., Reynolds, T., Ernst, J., Bray, M., Kwon, S.B., Lai, D., Quach, B.C., Gaddis, N.C., Saba, L., Chen, H., Hawrylycz, M., Zhang, S., Zhou, Y., Mahaffey, S., Fischer, C., Sanchez-Roige, S., Bandrowski, A., Lu, Q., Shen, L., Philip, V., Gelernter, J., Bierut, L.J., Hancock, D.B., Edenberg, H.J., Johnson, E.O., Nestler E.J., Barr P.B., Prins P., Smith D.J., Akbarian S., Thorgeirsson T., Walton D., Baker E., Jacobson, D., Palmer, A.A., Miles, M., Chesler, E.J., Emerson, J., Agrawal, A., Martone, M., Williams, R.W. Integration of evidence across human and model organism studies: A meeting report. *Genes Brain Behav.* 2021 Apr 23;20(6):e12738. doi: 10.1111/gbb.12738. Epub ahead of print. PMID: 33893716
  14. Palmer, R.H.C., **Benca-Bachman, C.E.**, Huggett, S., Ramgiri, N., Sryjeyanthan, J., Yang, J., McGeary, J.E., Visscher, P., Yang, J., Chesler, E., Bubié, J. (2021) Multi-omic and Multi-Species Meta-Analyses of Nicotine Consumption. *Translational Psychiatry*.
  15. Bertin L, **Benca-Bachman C. E.**, Kogan SM, Palmer RH. (2021) Examining the differential effects of latent impulsivity factors on substance use outcomes in African American men. *Addict Behav.* June;117:106847. doi: 10.1016/j.addbeh.2021.106847. Epub 2021 Jan 26. PMID:33578106
  16. Martin, K. P., **Benca-Bachman, C. E.**, & Palmer, R. H. C. (2020). Risk for Alcohol Use Among Entering College Students: The Role of Personality and Stress. *Addictive Behaviors*.
  17. Brown, A. L., Espana, R. A., Koehnke, C., **Benca-Bachman, C.**, Welsh, J. W., & Palmer, R. (2020). Adolescent Behavioral Characteristics Mediate Familial Effects on Alcohol Use and Problems in College-bound Students. *Substance Abuse: Research and Treatment*. doi.org/10.1177/1178221820970925
  18. **Benca-Bachman, C.E.**, Najera, D., Whitfield, K.E., Taylor, J.L., Thorpe, R.J., & Palmer, R.H.C. (2020). Quality and Quantity of Social Support Show Differential Associations with Stress and Depression in African Americans. *American Journal of Geriatric Psychiatry*.
  19. Boateng-Poku, A.\*, **Benca-Bachman, C.E.\***, Najera, D., Whitfield, K.E., Taylor, J.L., Thorpe, R.J., & Palmer, R.H.C. (2020). The role of social support on the effects of stress and depression on African American tobacco and alcohol use. *Drug and Alcohol Dependence*.
  20. Gray, J. C., Thompson, M., **Bachman, C.**, Owens, M. M., Murphy, M., & Palmer, R. H. C. (2020). Associations of cigarette smoking with gray and white matter in the UK Biobank. *Neuropsychopharmacology*.
  21. Micalizzi, L., Brick, L.A., Marraccini, M.E., **Benca-Bachman, C.E.**, Palmer, R.H.C., Knopik, V.S. (2020). Single nucleotide polymorphism heritability and differential patterns of genetic overlap between inattention and four neurocognitive factors in youth. *Developmental Psychopathology*.
  22. Brick, L.A., Marraccini, M.E., Micalizzi, L., **Benca-Bachman, C.E.**, Knopik, V.S., & Palmer, R.H.C. (2019). Overlapping genetic effects between suicidal ideation and neurocognitive functioning. *Journal of Affective Disorders*.
  23. Cates, H.M., **Benca-Bachman, C.E.**, de Guglielmo, G., Schoenrock, S.A., Shu, C., & Kallupi, M. (2019). NIDA Genomics Consortium White Paper: Coordinating Efforts Between Human and Animal Addiction. *Genes, Brain, and Behavior*.

24. Donohew L., DiBartolo M., Zhu X., **Benca C.**, Lorch E., Noar S.M., Kelly T.H., Joseph J.E. (2018). Communicating with Sensation Seekers: An fMRI Study of Neural Responses to Antidrug Public Service Announcements. *Health Communication*. PMID: 28622027.
25. Reineberg, A.E., Gustavson, D.E., **Benca, C.E.**, Banich, M.T. & Friedman, N.P. (2018). The relationship between resting state network connectivity and individual differences in executive functions. *Frontiers in Psychology*. PMID: 30233455
26. **Benca, C.E.**, Derringer, J.L., Corley, R.P., Young, S.E., Keller, M.C., Hewitt, J.K., Friedman, N.P. (2017). Predicting Cognitive Executive Functioning with Polygenic Risk Scores for Psychiatric Disorders. *Behavior Genetics*. PMID: 27743041.
27. Joseph, J.E., Swearingen, J.E., Clark, J.D., **Benca, C.E.**, Collins, H.R., Corbly, C.R., Gathers, A.D., Bhatt, R.S. (2012). The changing landscape of functional brain networks for face processing in typical development. *NeuroImage* 63(3): 1223-1236. PMCID: PMC3637657

#### OTHER PEER-REVIEWED PUBLICATIONS

None

#### BOOKS AND BOOK CHAPTERS

None

#### OTHER NON-PEER REVIEWED PUBLICATIONS

None

#### CORPORATE AUTHORSHIP OR MULTICENTER TRIALS

None

#### PUBLICATIONS SUBMITTED OR IN PREPARATION

1. **Benca-Bachman, C.E.**, Najera, D., Delawalla, C.N., McGeary, J.E., Jaume-Feliciosi, N., Palmer, R.H.C. (Under Review at Substance Use and Misuse). Behavioral Correlates of Alcohol and Marijuana Use and Problems during the first-year of College.
2. Feurer, C., McGeary, J.E., **Benca-Bachman, C.E.**, and Gibb, B.E. (Under review at to JAACAP). Cumulative Genetic Scores for Depression are Associated with Broad Indices of Neighborhood Adversity.
3. Brick, L.A., **Benca-Bachman, C.E.**, Johnson, E.C., Gustavson, D.E., Carper, M., Palmer, R.H.C. (Under review at Addiction) Genetic associations among internalizing and externalizing traits with polysubstance use among young adults.
4. **Benca-Bachman, C.E.\***, Gordon, M.\*, Palmer, R.H.C. (in preparation). Contextual Effects of Religiosity and Social Support on Transmissible Liability to Addiction: A Longitudinal Study of Alcohol Use.
5. Jaume N\*, Hurston J\*, **Benca-Bachman CE**, Holiday ED, Palmer R.H.C. (in preparation). Stress Coping Strategies and Co-Use of Alcohol and Other Drugs Among Emerging Adults During the COVID-19 Pandemic.
6. Jaume, N.\* ,Agrawal, A.\* ,**Benca-Bachman, C.E.**, Palmer, R.H.C. (in preparation). Prevalence, Incidence, and Behavioral Correlates of Polysubstance Use Before and During the First-year of College.
7. **Benca-Bachman, C.E.**, Cassidy, S., Syed, R.A., Barfield, W.L., Jaume-Feliciosi, N., Smith, A.K., Katrinli, S., Powers, A., Mekawi, Y., Palmer, R.H.C. (in preparation). Polygenic and Polygene x Trauma Contributions to Alcohol Use and Problems Among Blacks.
8. Bertin L, **Benca-Bachman C. E.**, Whitfield K, Palmer R. (in preparation). Shared Genetic and Environmental Effects on Social Support, Stress, and Depression in African American Twins.
9. Jaume, N.\* , Hurston, J.\* ,**Benca-Bachman, C.E.**, Holiday, E.D., Palmer, R.H.C. (in preparation). Individual Differences in Substance Use Motives, Trauma, and Stress Among College Students Who Use Alcohol and Other Drugs.

10. Holliday, E.D., Chaney, V., Posada, D., Welch, C., **Benca-Bachman, C.E.**, Palmer, R.H.C. (in preparation). Stress and substance use as mediators of executive function in college-aged students.
11. Barfield, W.\*, **Benca-Bachman, C.E.\***, Najera, D., Xiang, Y., Palmer R.H.C. (in preparation) MAPme: Implementing a Participant-Centered, Multi-Site, Longitudinal Study on Substance use Disorders and Mental Well-Being in College-Age Young Adults.
12. Catalano, J.L., **Benca-Bachman, C.E.**, Hillmer, A., Ikeda, A., Jaume-Feliciosi, J., Martin, K., Hudson, J., Sanger, N., Marsh, D.C., Panesar, B., D'Elia, A., Chwar, C., Shams, L., Rosic, T., Samaan, Z., Palmer, R.H.C., McGeary, J.E. (in preparation). The Role of Patient Characteristics and Polygenic Scores on Opioid Overdose History in European Ancestry Individuals with Opioid Use Disorder.

#### ABSTRACTS AND POSTERS

1. **Benca-Bachman, C.E.**, Barfield, W.L., Syed, R.A., Cassidy, S.G., Katrinli, S., Smith, A.K., Powers, A., Mekawi, Y., Palmer, R.H.C. (June 2022). Associations between Polygenic Scores for Alcohol Consumption, Disorder, and Post Traumatic Stress Disorder sub-domains with Post Traumatic Stress and Depression Severity in the Context of Trauma in an African American Sample. Accepted as Talk at the 52<sup>nd</sup> Annual Behavioral Genetics Association meeting in Las Angeles, CA.
2. **Benca-Bachman, C.E.**, Barfield, W., Syed, R., Cassidy, S., Katrinli, S., Smith, A., Powers, A., Mekawi, Y., Palmer, R.H.C. (June 2022). Additive Genetic and Interactive Effects on Alcohol Problems and Traumatic Experiences Among African Americans. Accepted as a Symposium Talk at the 52<sup>nd</sup> Annual Behavioral Genetics Association meeting in Las Angeles, CA.
3. Cassidy, S.G., Barfield, W.L., **Benca-Bachman, C.E.**, Syed, R.A., Katrinli, S., Smith, A.K., Powers, A., Mekawi, Y., Palmer, R.H.C. (May 2022). Conditional and Moderated Effects of Polygenic Risk for Alcoholism on Alcohol Consumption Among African Americans with a History of Trauma. Poster accepted at the 2022 Association Psychological Science Conference.
4. Patino-Flores, R., Barfield, W., Ober, J., **Benca-Bachman C.E.**, & Palmer, R.H.C. (2020 Virtual). Academic Stress in College Aged Students: Resilience and Risk, & How It Relates to Adaptive and Negative Coping Mechanisms. Presented Annual Biomedical Research Conference for Minority Students (ABRCMS).
5. **Benca-Bachman, C.E.**, Xiang, Y., & Palmer, R.H.C. (November 2019). Bidirectional Relations between Sleep and Alcohol Use in First Year College Students. Poster presented at Emory Sleep Consortium, Atlanta, GA.
6. Risner V., **Benca-Bachman C.E.**, Palmer R.H. Polygenic Prediction of Nicotine and Alcohol Dependence. Presented at Presented at the 49th Meeting of the Behavioral Genetics Association June 2019, Stockholm, Sweden. BEHAVIOR GENETICS ,49(6).p493.
7. Brick L., **Benca-Bachman C.E.**, Palmer R.H. Genetics Sources of Variation Underlying Cannabis Use and the Transmissible Liability Index for Substance Use Disorders. Presented at the World Congress on Psychiatric Genetics Meeting October 2019. EUROPEAN NEUROPSYCHOPHARMACOLOGY,29(5).pS12.https://doi.org/10.1016/j.euroneuro.2019.08.196.
8. Palmer R.H., **Benca-Bachman C.E.**, Bubier J., Ramgiri R., Srijevanthyan J., Chesler E. Cross-Species Prioritization of Genomic Loci for Nicotine & Alcohol use Disorders. Presented at the World Congress on Psychiatric Genetics Meeting October 2019. EUROPEAN NEUROPSYCHOPHARMACOLOGY,29(5).pS12. https://doi.org/10.1016/j.euroneuro.2019.07.025
9. \*Amellio M, \*Loche S, Najera D, **Benca-Bachman C.E.**, Barber J, Palmer RH. Risk and Protective Factors for Depression on College Campuses. Presented at 2019 Georgia Psychological Association Meeting; Emory Undergraduate Research Symposium in April 2019.

10. \*Agarwal A, \*Agarwal, **Benca-Bachman C.E.**, Barber J, Palmer RH. Association between Alcohol Consumption and Dysphoria among First-Year Undergraduate Students. Presented at the Emory Undergraduate Research Symposium on April 24th 2019.
11. Swanson J, **Benca-Bachman C.E.**, Barber J, Palmer RH. Association between Trauma History and Anxiety. Presented at 2019 Georgia Psychological Association Meeting. Presented at the Emory Undergraduate Research Symposium on April 24th 2019.
12. \*Catherman C, \*Cassidy S, **Benca-Bachman C.E.**, Barber J, Palmer RH. The Relationship Between the Big five Model of Personality and Sleep Quality. Presented at 2019 Georgia Psychological Association Meeting; Emory Undergraduate Research Symposium April 2019.
13. \*Yip K, \*Ponnazhagan, **Benca-Bachman C.E.**, Barber J, Palmer RH. Contribution of Interpersonal and Non-Interpersonal Trauma to Depression in First-Year Students. Presented at 2019 Georgia Psychological Association Meeting. Presented at the Emory Undergraduate Research Symposium on April 24th 2019.
14. Ramgiri N, **Benca-Bachman C.E.**, Sryjeyanthan J, Bubier J, Chesler E, Palmer RH. Integrative Prioritization of Genetic Loci for Nicotine Dependence. Presented at Inaugural Research Across Psychology Meeting, Emory University Dept of Psychology, March 4, 2019; Emory Undergraduate Research Symposium on April 24th 2019; 2019 Meeting of the Association for Psychological Science, Washington DC.
15. Risner V., Bertin L., **Benca-Bachman C.E.**, Palmer R.H. Multi-trait Polygenic Prediction of Nicotine Dependence. Presented at Inaugural Research Across Psychology Meeting, Emory University Dept of Psychology, March 4, 2019. Presented at the Neuroscience and Behavioral Biology Research Symposium on April 23<sup>rd</sup> 2018 & April 22<sup>nd</sup> 2019; 2019 Meeting of the Association for Psychological Science, Washington DC.
16. Martin K., **Benca-Bachman C.E.**, Palmer R.H. Understanding Differences in Alcohol Use Among First-year College Students: the Role of Personality & Stress. Presented at the 2019 Meeting of the Georgia Psychological Association (awarded best graduate student poster); Inaugural Research Across Psychology Meeting, Emory University Dept of Psychology, March 4, 2019; Association for Psychological Science, Washington DC.
17. **Benca-Bachman C.E.**, Ramgiri N., Sryjeyanthan J., Bubier J., Chesler E., Palmer R.H. Integrative Prioritization of Genetic Loci for Nicotine Dependence. Presented at: 2019 NIDA Genetics Consortium Meeting in Bethesda, MD.
18. **Benca-Bachman, C.E.**, Wright, K., Corley, R., Hewitt, J.K., & Friedman, N.P. (July 2018). Heritability of sleep duration from early adolescence to young adulthood. Talk presented at the 48<sup>th</sup> Annual Behavioral Genetics Association meeting in Boston, MA.
19. Bertin, L., **Benca-Bachman, C.E.**, Whitfield, K., Palmer, R.H. (May 2018). Shared genetic and environmental effects on social support, stress, and depression in African American twins. Poster presented at the 30<sup>th</sup> annual Association for Psychological Science meeting in San Francisco, CA.
20. Romero, P.N., **Benca-Bachman, C.E.**, Bucholz, K.K., Heath, A.C., Knopik, V.S., Palmer, R.H. (May 2018). A preliminary genome-wide association analysis of the behavioral effects of alcohol withdrawal. Poster presented at the 30<sup>th</sup> annual meeting of the Association for Psychological Science in San Francisco, CA; Neuroscience and Behavioral Biology Research Symposium on May 23<sup>rd</sup> 2018.
21. Boateng-Poku, A., **Benca-Bachman, C.E.**, Najera, D., Whitfield, K., Palmer, R.H. (May 2018). The effects of stress, depression, and social support on African American tobacco use. Poster presented at the 30<sup>th</sup> annual meeting of the Association for Psychological Science in San Francisco, CA.
22. **Benca-Bachman C.E.**, Najera D., Whitfield K., Palmer R.H. (May 2018) Social Support as a resilience mechanism for stress and depression in African Americans. Poster presented at the 30<sup>th</sup> Annual meeting of the Association for Psychological Science in San Francisco, CA.

23. Bertin, L., **Benca-Bachman, C.E.**, Whitfield, K., & Palmer, R.H. (June 2018). Shared genetic and environmental effects on social support, stress, and depression in African American twins. Talk presented at the 48<sup>th</sup> annual Behavioral Genetics Association meeting in Boston, MA.
24. Brick, L.A., Marraccini, M.E., Micalizzi, L., **Benca-Bachman, C.E.**, Knopik, V.S., & Palmer, R.H.C. (June 2018). Genetic contributions to suicidal ideation and neurocognitive functioning. Talk presented at the 48<sup>th</sup> annual Behavioral Genetics Association meeting in Boston, MA.
25. Micalizzi, L., Brick, L.A., Marraccini, M.E., **Benca-Bachman, C.E.**, Knopik, V.S., & Palmer, R.H.C. (June 2018). Differential patterns of genetic overlap between inattention and four neurocognitive factors. Talk presented at the 48<sup>th</sup> Annual Behavioral Genetics Association meeting in Boston, MA.
26. Palmer, R.H., Yang, J., Bubier, J., Srijevantham, J., **Benca-Bachman, C.E.**, McGeary, J., Knopik, K., & Chessler, E. (June 2018). Integrative prioritization of genomic loci for alcohol use disorders. Talk presented at the 48<sup>th</sup> Annual meetings of the Behavioral Genetics Association in Boston, MA.
27. **Benca, C.E.**, Reineberg, A., & Friedman, N. P. (June 2016). Sleep and neurobiological networks. Talk presented at the 2<sup>nd</sup> Institute for Behavioral Genetics NIMH Trainee Symposium, Boulder, CO.
28. **Benca, C.E.**, Friedman, N. (May 2016). Neural correlates of executive functions. Talk presented at the 2<sup>nd</sup> Institute for Behavioral Genetics Mini Conference, Boulder, CO, June 2016.
29. **Benca, C.E.**, Friedman, N. (May 2015). Polygenic risk, psychopathology and executive functioning (EF): Behavioral Data. Talk presented at the 1<sup>st</sup> Institute for Behavioral Genetics Mini Conference, Boulder, CO.
30. **Benca, C.E.**, Derringer, J., Banich, M.T., Corley, R.P., Hewitt, J.K., & Friedman, N.P. (June 2015). Predicting neural correlates of executive functioning with genetic risk scores for psychiatric disorders. Talk presented at the 45<sup>th</sup> Behavioral Genetics Association annual meeting, San Diego, CA.
31. **Benca, C.E.**, Friedman, N.P., Derringer, J., Corley, R.P., Young, S.E., & Hewitt, J.K. (June 2014). Predicting executive functions with polygenic risk score for psychiatric disorders. Talk presented at the 45<sup>th</sup> Behavioral Genetics Association annual meeting, Charlottesville, VA.
32. **Benca, C.E.**, Friedman, N., Hewitt, J. (2012). Neural substrates of individual differences in executive function. Talk presented at the 1<sup>st</sup> Institute for Behavioral Genetics NIMH Trainee Symposium, Boulder, CO.
33. **Benca, C.E.**, Friedman, N.P., Derringer, J., Corley, R.P., Young, S.E., & Hewitt, J.K. (2013). Predicting individual difference in executive functions with a genetic risk score for behavioral disinhibition. Poster presented at the 44<sup>th</sup> Behavioral Genetics Association annual meeting, Marseilles, France.
34. **Benca, C.E.**, Collins, H.R., Corbly, C.R. & Joseph, J.E. (2010). Neural activation for emotional induction: Differential responses as a function of impulsivity and reward-sensitivity. Poster presented at APS Convention, Boston, MA.
35. **Benca, C.E.**, Collins, H.R., Corbly, C.R. & Joseph, J.E. (2010). Neural activation for emotional induction: Differential responses as a function of impulsivity and reward-sensitivity. Poster presented at Bluegrass Neuroscience Foundation, University of Kentucky.
36. **Benca, C.E.**, Collins, H.R., Corbly, C.R. & Joseph, J.E. (2010). Neural activation for emotional induction: Differential responses as a function of impulsivity and reward-sensitivity. Poster presented at Cognitive Neuroscience, University of Kentucky.

#### SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

None

#### INVITED PRESENTATIONS & TALKS

*National*

- 08/2023 Hatoum, A. & **Benca-Bachman, C.E.** (October 2023). Post GWAS Analysis Workshop. Invited Lecturers for Jackson Laboratory's Short Course on the Genetics of Addiction in Bar Harbor, ME.  
**Benca-Bachman, C.E.** (October 2023). Examples of Integrated Model System with Human Data. Invited Lecturer for Jackson Laboratory's Short Course on the Genetics of Addiction in Bar Harbor, ME.
- 05/2023 **Benca-Bachman, C.E.**, Barfield, W., Syed, R., Cassidy, S., Katrinli, S., Smith, A.K., Powers, A., Mekawi, Y., Palmer, R.H.C. Additive Genetic and Interactive Effects on Alcohol Problems and Traumatic Experiences Among African Americans. Invited talk at the National Institute on Drug Abuse (NIDA) Genetics and Epigenetics Cross-Cutting Research Team in Rockville, MD.
- 01/2019 **Benca-Bachman, C.E.**, Ramgiri, N., Srijevantham, J., Bubier, J., Chesler, E.J., Palmer, R.H.C. (January 2019). Cross-species prioritization of genomic loci for nicotine consumption. Invited talk at the NIDA Genetics Consortium Meeting in Washington, D.C.
- Regional*
- 03/2024 **Benca-Bachman, C.E.** (March 2024). Impact of Genetics on Mental Health and Substance Use Behaviors. Providence VA Medical Center's 2023-2024 Mental Health Colloquium Series.
- 06/2017 **Benca, C.E.**, & Friedman, N. P. (June 2017). Characterizing the relationship between sleep duration and depression from adolescence through young adulthood. Invited talk presented at the 4<sup>th</sup> Annual Colorado Sleep and Circadian Rhythms Research Symposium, Boulder, CO.

#### GRANTS

None

#### UNIVERSITY TEACHING, ADVISING and MENTORING ROLES

- 2017 Graduate Teaching Assistant, University of Colorado Boulder, BioPsychology
- 2016 Graduate Teaching Assistant, University of Colorado Boulder, Statistics and Research Methods (30 students / section)
- 2012 Graduate Teaching Assistant, University of Colorado Boulder, Statistics and Research Methods
- 2011 Graduate Teaching Assistant, University of Colorado Boulder, Introduction to Social Psychology

#### HOSPITAL TEACHING, ADVISING and MONTORING ROLES

None