

Rohan H. C. Palmer, Ph.D.

UNIVERSITY ADDRESS

Behavioral Genetics of Addiction Laboratory

Department of Psychology

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YouTube: <https://www.youtube.com/channel/UCxXjCQqMDy4R8ug34GoE3dw>

CURRENT POSITIONS & AFFILIATIONS

09/2023 – Present	Director, REU Site: Mind, Brain, Body & Behavior at Emory University
09/2022 – Present	Associate Professor, Department of Psychology, Emory University
11/2022 – Present	Adjunct Professor, The Jackson Laboratory
04/2020 – Present	Training Faculty (Executive Committee Member), Training in Advanced Data Analytics, Rollins School of Public Health of Emory University
01/2018 – Present	Affiliate Faculty, Center for Mind Brain and Culture, Emory University
01/2017 – Present	Affiliate Faculty, Neuroscience and Behavioral Biology Program, Emory University
01/2017 – Present	Training Faculty, Mechanisms of Learning, Department of Psychology at Emory University
01/2017 – Present	Faculty, Fellowships in Research and Science Teaching (FIRST), Emory University
09/2016 – Present	Assistant Professor, Department of Psychology, Emory University

ACADEMIC APPOINTMENTS

09/2022 – Present	Associate Professor, Department of Psychology, Emory University
09/2016 – 08/2022	Assistant Professor, Department of Psychology, Emory University
09/2012 – 08/2016	Assistant Professor (Research), Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, Providence, RI.
12/2013 – 05/2014	Adjunct Professor, Department of Biology, William Paterson University, Wayne, NJ.

HOSPITAL APPOINTMENTS

06/2011 – Present	Researcher (Without Compensation), Molecular Genotyping Lab at the Providence VA Medical Center, Providence RI.
08/2012 – 08/2016	Research Associate (II), Department of Child and Adolescent Psychiatry, Rhode Island Hospital.
06/2012 – 07/2012	Research Associate (I), Department of Child and Adolescent Psychiatry, Rhode Island Hospital.
06/2010 – 05/2012	Psychology Fellow, Department of Psychiatry, Rhode Island Hospital.

EDUCATION & TRAINING

2010-2012	Postdoc	Department of Psychiatry and Human Behavior (Brown University) and Rhode Island Hospital, Providence, RI. T32 Postdoctoral Research Fellow. (<i>Mentor: Valerie S. Knopik, Ph.D.</i>)
2010	Ph.D. Psychology	University of Colorado at Boulder, CO (<i>Advisor: John K. Hewitt, Ph.D.</i>)
2009	M.A. Psychology	University of Colorado at Boulder, CO (<i>Advisor: John K. Hewitt, Ph.D.</i>)
2005	B.S. Honors Biology Biopsychology	William Paterson University, Wayne, NJ William Paterson University, Wayne, NJ (<i>Advisor: Martin E. Hahn, Ph.D.</i>)
2001	A.S. Biology/Pre-Med	Essex County College, Newark, NJ

HONORS AND AWARDS

As faculty

2018	Research Society on Alcoholism Symposium Award – Title: “Cross Species Data Integration for Characterization, Prediction, and Treatment of Alcohol Use Disorders.”
2017	Emory University Center for Faculty Development and Excellence: Faculty Innovative Teaching Award (PSYC 180: Research in College Drug Use)
2016	3rd Place Winner – 3rd Annual Abstract Challenge (Golden Helix)
2015	APS Rising Star, Association for Psychological Science
2015	XXIII RD World Congress on Psychiatric Genetics Hugh Gurling, ECIP, and oral presentation awards finalist scorer.
2015	Brown University Office of Diversity and Multicultural Affairs Travel Award to attend the Association of American Medical Colleges Minority Faculty Career Development Seminar
2015 – 2018	Elected Executive Committee Member of the Behavior Genetics Association (member-at-large)
2015 – 2017	National Institute of Health Loan Repayment Program, NCATS, Title: Identifying Shared and Non-Shared Genetic Influences on Alcohol and Drug Dependence in Subjects of European and African Ancestry

- 2014 Travel Award, International Society for Biomedical Research on Alcoholism
 2014 Carl Storm Underrepresented Minority (CSURM) Fellowship: Alcohol & the Nervous System GRC
 2013 – 2015 National Institute of Health Loan Repayment Program, NCATS, Title: The Relationship between Executive Function, Substance Misuse, and Disinhibitory Psychopathology in Children Differentially Exposed to Tobacco in utero (Grant number: L30 TR001045)

As postdoctoral fellow

- 2011 – 2013 National Institute of Health Loan Repayment Program, NIDA, Title: Genes, Environment and the Development of Drug Abuse and Externalizing Disorders (Grant number: L30 DA032090)
 2010 New Investigator Award Finalist, Rhode Island Hospital - 18th Annual Research Celebration
 2010 – 2012 NIMH Post-doctoral Fellowship, Department of Psychiatry and Human Behavior at Brown University

As graduate student

- 2008 – 2009 Southern Regional Education Board (SREB) - AGEP Doctoral Scholar
 2009 Student Travel Award, Behavior Genetics Association
 2008 Student Travel Award, Behavior Genetics Association
 2007 Student Travel Award, Behavior Genetics Association
 2005 – 2010 NIMH Pre-doctoral University Fellowship, University of Colorado at Boulder

As undergraduate

- 2005 Honors Degree in Biopsychology from William Paterson University
 2005 Graduated Magna cum laude from William Paterson University
 2001 Graduated Summa cum laude from Essex County College

GRANTSMANSHIP

Research grants (total funds awarded to date while at Emory: \$4,355,627)

Current (as PI)

DP1 DA042103

8/1/17-07/31/24 (NCE)

NIDA

\$1,500,000 (Direct costs)

Title: The Kinship Risk Score: An Integrated Tool to Prioritize Alcohol and Drug-Addiction Related Genes for Enhanced Risk Prediction

The goal of this project is to develop a novel genome-based prediction pipeline and tool for generalized drug dependence using genetic loci for alcohol, nicotine, and other drug addiction loci using cutting-edge -omic methods.

Role: Principal Investigator (PI)

Details:

https://projectreporter.nih.gov/project_info_description.cfm?aid=9162597&icde=36318132&ddparam=&ddvalue=&ddsub=&cr=2&csb=default&cs=ASC&pball

Current (as co-I or Significant Contributor)**National Institute on Drug Abuse P50 DA056408 (PI: Hutchison)**

Rocky Mountain Cannabis Research Center

Role: Co-I

The central goals of this Research Center of Excellence application are to evaluate, in three research projects that span emerging, middle-aged, and older adults, how CBD affects the use of and subjective response to THC, and whether these effects are mediated by the endocannabinoid system (ECS) and associated lipids.

Details:

https://reporter.nih.gov/search/uljNlzWA_U2qAvwlqvB7xg/project-details/10709326

National Institute on Drug Abuse R01 DA037927 (PI: Chesler)

Funding period: 08/2021 – 05/2026

Title: Discovery of Addiction related genes using advanced mouse resources

Role: Collaborative Investigator (Co-I)

The goal is to discover the genetic and genomic mechanisms underlying behavioral predisposition and development of addiction.

Details:

https://reporter.nih.gov/search/TUI_sQpqa0GRSUytYmSYNA/project-details/10297298#details

National Institute of Child Health and Human Development R01 HD095837 (PI: Parade)

Title: Longitudinal Epigenetic Profiles of Risk and Adaptation across the First Year of Life

Role: co-I

Funding Period: 7/1/18-8/31/24 (nce)

The goal of this proposal is to uncover developmental trajectories of methylation of glucocorticoid- and inflammatory-signaling genes over the first year of life, and to identify risk and protective factors that contribute to change in methylation over time.

Details:

https://projectreporter.nih.gov/project_info_description.cfm?aid=9572656&icde=41825220&ddparam=&ddvalue=&ddsub=&cr=1&csb=default&cs=ASC&pball

Training & Mentoring grants**Current****T32 DA050552 (PIs: Cooper & Waller)****2020-2025**

Title: Training in Advanced Data Analytics to End Drug-Related Harms (TADA)

Role: Training Faculty

NSF Research Traineeship Training Grant (PI: Nygaard)**2019-2024**Title: *NRT-HDR: Harnessing the data revolution for a new science of diversity*

Role: Training Faculty

Award # 2244460 National Science Foundation (coPI: Palmer & Bauer)**2023-2026**Title: REU: Mind Brain Body & Behavior (MB³)

Proposed Funding Period: Start Date:

Role: contact PI & Research Faculty Mentor

National Institute on Drug Abuse K01 (PI: Johnson)**2021-2026**

Title: Identifying genetic sources of comorbidity between cannabis and schizophrenia using genome-wide and integrative omics data

Role: Co-mentor

R25 DA051339 (PI: Dick)

2021-2026

Title: Building Undergraduate Research Training as a Foundation for Diversifying Addiction Research

Role: Advisory Council Member

Pending Research & Training Grants

National Institute on Drug Abuse (coPI: Palmer & Bubier)

R21

Date: Spring 2024

Preclinical Screening of Repurposable BTK inhibitors for Cocaine Use Disorders

Role: contact PI

In Preparation

National Institute on Drug Abuse (coPI: Palmer & Bubier)

U01

Date: Spring 2024

IND-Enabling Studies of Dantrolene for Cocaine Use, Overdose, and Toxicity

Role: contact PI

National Institute on Drug Abuse (PI: Palmer)

R01

Date: Summer 2024

Role: contact PI

Completed Research Support

R01 DA042742

4/1/18-1/31/24 (NCE)

NIDA

\$1,292,069 (Direct costs)

Title: Integrative Prioritization of Alcohol and Drug-Addiction Related Genetic Loci

The goal of this project is to identify robust predictive polygenetic models for alcohol and nicotine, and other drugs by leveraging neurocognitive endophenotypes and related phenotypes to addiction.

Role: PI

Details:

https://projectreporter.nih.gov/project_info_description.cfm?aid=9524302&icde=39069875&ddparam=&ddvalue=&ddsub=&cr=3&csb=default&cs=ASC&pball

Canadian Institutes of Health Research (coPIs: Drs. MacKillop & Samaan)

Title: Pharmacogenomics of Methadone Maintenance Therapy

Role: Co-I

Funding Period: 04/01/18-03/31/2023

Giles Robertson Funds for Addiction Studies (Emory University Department of Psychology)

Title: MAPme Project Pilot Cohort

Role: PI

Funding Period: 05/01/17 – 04/30/2022

**National Institute of Alcohol Abuse and Alcoholism (NIAAA)
K01 AA021113 (Palmer)**

Title: System Genetics of Alcoholism: Network-based Approaches for Genetic Association

Role: PI

Funding Period: 08/01/12 – 07/31/18

**National Center for Advancing Translational Sciences:
National Institute of Health Loan Repayment Program Award (L30TR001045)**

Title: Identifying Shared and Non-Shared Genetic Influences on Alcohol and Drug Dependence in Subjects of European and African Ancestry

Role: PI

Funding Period: 08/15 – 07/17

**National Center for Advancing Translational Sciences:
National Institute of Health Loan Repayment Program Award (L30TR001045)**

Title: The Relationship between Executive Function, Substance Misuse, and Disinhibitory Psychopathology in Children Differentially Exposed to Tobacco in utero

Role: PI

Funding Period: 08/13 – 07/15

**National Institute on Drug Abuse:
National Institute of Health Loan Repayment Program Award (L30DA032090)**

Title: Genes, Environment, and the Development of Drug Abuse and Externalizing Disorders

Role: PI

Funding Period: 08/11 – 07/13

Other Completed Research Support

T32 HD071845 (PIs: Bauer & Hampton)

2018-2022

Title: Mechanisms of learning across development and species

Role: Training faculty

**National Institute of Mental Health:
R56 MH108650 (Beavers)**

Title: Contribution of genome-wide variation to cognitive vulnerability to depression

Role: Co-I

Funding Period: 09/16/16 – 08/31/2018

Canadian Institutes of Health Research (coPIs: MacKillop & Samaan; Gap funding)

Title: Pharmacogenomics of Methadone Maintenance Therapy

Role: Co-I

Funding Period: 04/01/17 – 03/31/18

**National Institute of Drug Abuse:
Research Associate (5R01DA023134-04)**

Title: Prenatal Tobacco Exposure: Effects on Neuropsychological Outcomes and ADHD

Role: Research Associate (PI: Knopik)

Funding Period: 06/12 – 8/12

National Institute of Mental Health:

Post-Doctoral National Research Service Award (T32 MH019927-18)

Title: Research Training – Child Mental Health (Behavior Genetics)

Role: Postdoctoral Fellow (PI: Fritz)

Funding Period: 07/10 – 05/12

National Institute of Mental Health:

Institutional Training Grant (T32 MH016880)

Title: Research Training – Behavioral Genetics

Role: Pre-doctoral Trainee (PI: Hewitt)

Funding Period: 06/05 – 05/10

PATENTS

1. International Patent Application No. PCT/US2021/048188

Title: Methods of Managing Cocaine or Other Drug Addictions

MEMBERSHIP IN SOCIETIES/WORK GROUPS

2022 – Present	Membership Committee Member, Research Society on Alcoholism
2020 – Present	Editorial Board Member, Drug and Alcohol Dependence
2019 – Present	Working Group: Wrestling with Social/Behavioral Genomics: Risks, Potential Benefits and Ethical Responsibility
2021 – Present	Psychiatric Genetics Consortium: Substance Use Disorder Working Group
2013 – Present	International Society of Psychiatric Genetics
2021 – 2022	International Society on Psychiatric Genetics (ISPG) 2021 Strategic Plan Task Force
2012 – 2019	The College on Problems of Drug Dependence
2011 – Present	Research Society on Alcoholism Member
2011 – Present	International Society for Biomedical Research on Alcoholism
2011 – Present	National Institute of Health Loan Repayment Program Ambassador
2009 – 2010,	Society for the Advancement of Chicanos/Hispanics and Native
2018 – Present	Americans in Science (SACNAS)
2007 – Present	Association for Psychological Science
2005 – Present	Behavior Genetics Association
2005 – Present	Beta Beta Beta National Biological Honor Society
2001 – Present	Phi Theta Kappa – Alpha Theta Theta Chapter Alumni

REVIEW RESPONSIBILITIES

Associate Editor for the following journal(s):

- Addiction (1/2018 – Present)

Editorial Board Member for the following journal(s):

- Drug and Alcohol Dependence (10/2020 – Present)
- Behavior Genetics (6/2018 – Present)
- Addiction (1/2018 – Present)

Center for Scientific Review Study Section Member:

National Institutes of Health (USA)

- NIH, Lifestyle & Health Behavior (LHB) IRG (2022-2026)

ad hoc reviewer for the following journals:

- Frontiers in Genetics
- Archives of General Psychiatry
- Drug and Alcohol Dependence
- Nicotine and Tobacco Research
- Alcohol Clinical and Experimental Research
- Journal of Abnormal Psychology
- Psychopharmacology
- Psychological Medicine
- Behavior Genetics
- Addictive Behaviors
- Neuro-Psychopharmacology & Biological Psychiatry
- Twin Research and Human Genetics
- Nature (Molecular Psychiatry, Translational Psychiatry, Neuropsychopharmacology)
- Genes

ad hoc reviewer for the following grant administering organizations:

- National Institutes of Health (USA)
 - Scientific Grant Review (scheduled for February 2022): NIH, Behavioral Genetics and Epidemiology (BGES) IRG
 - Scientific Grant Review (scheduled for January 2022): NIDA Avenir Program Review
 - Scientific Grant Review (June 2021): NIH, Behavioral Genetics and Epidemiology (BGES) IRG
 - Scientific Grant Review (June 2017): NIH, Behavioral Genetics and Epidemiology (BGES) IRG
 - Scientific Grant Review (February 2016): NIH, Behavioral Genetics and Epidemiology (BGES) IRG
- National Science Centre (Poland; October 2015)

PUBLICATIONS

Peer reviewed full-length articles (as of 03/2024 – 1725 citations; h-index 23; i10 index 41)

Note that the convention for the field of psychology is for the senior author to be either first or last in the author list.

*Notations: * - dual first authorship, ** - dual senior author, papers by/including: ^G Graduate student I have mentored, co-mentored, or generated a publication with); ^{PD} Postdoctoral*

fellow I have mentored; ^U Undergraduate student I have mentored.

1. McKenna BG, Knight AK, Smith AK, Corwin EJ, Carter SE, **Palmer RH**, Dunlop AL, Brennan PA. Infant epigenetic aging moderates the link between Black maternal childhood trauma and offspring symptoms of psychopathology. *Dev Psychopathol.* 2023 Sep 29:1-13. doi: 10.1017/S0954579423001232. Epub ahead of print. PMID: 37771149.
2. ^{PD}Niemis W, Peterson SR, ^UJavier C, ^UNguyen A., ^USubiah S, **Palmer RH**. On the utilization of the induced pluripotent stem cell (iPSC) model to study substance use disorders: A scoping review protocol. *Plos One* (*in press as of September 2023*).
3. Meyer MN, Appelbaum PS, Benjamin DJ, Callier SL, Comfort N, Conley D, Freese J, Garrison NA, Hammonds EM, Harden KP, Lee SS, Martin AR, Martschenko DO, Neale BM, **Palmer RH**, Tabery J, Turkheimer E, Turley P, Parens E. Wrestling with Social and Behavioral Genomics: Risks, Potential Benefits, and Ethical Responsibility. *Hastings Cent Rep.* 2023 Mar;53 Suppl 1:S2-S49. doi: 10.1002/hast.1477. PMID: 37078667.
4. Thompson MF, Ghahramanlou-Holloway M, ^{PD}Benca-Bachman CE, Murphy MA, **Palmer RH**, Gray JC. Resting-state network analysis of suicide attempt history. *Psychological Medicine* (*in press*). *BioRxiv.* doi: [10.1101/2022.01.04.474947](https://doi.org/10.1101/2022.01.04.474947).
5. McGeary JE, ^{PD}Benca-Bachman C, ^URisner V, Beevers CG, Gibb B, **Palmer RH**. Contrasting Broad- and Clinically- defined Polygenic Indicators of Depression and Depression-related Phenotypes in Adults. *Sci Rep* (*in press*). *PsyArXiv.* August 28. doi: <https://doi.org/10.31234/osf.io/pn9vb>).
6. ^{PD}Benca-Bachman CE, Bubier J, Syed RA, ^URomero Villela PN, **Palmer RH**. 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 Apr 7;125:103851. doi: 10.1016/j.mcn.2023.103851. Epub ahead of print. PMID: 37031923.
7. ^{PD}Huggett SB, ^GIkeda A, ^UYuan Qingyue, ^{PD}Benca-Bachman CE, **Palmer RH**. 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. PMID: 36894673; PMCID: PMC9998611.
8. Hatoum AS, Morrison CL, Mitchell EC, Lam M, ^{PD}Benca-Bachman CE, Reineberg AE, **Palmer RH**, Evans LM, Keller MC, Friedman NP. 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. Knopik VS, Micalizzi L, Marceau K, Loviska AM, Yu L, Bien A, Rolan E, Evans AS, **Palmer RH**, Heath AC. The roles of familial transmission and smoking during pregnancy on executive function skills: A sibling-comparison study. *Dev Psychopathol.* 2022 Aug 30:1-13. doi: 10.1017/S095457942200075X. Epub ahead of print. PMID: 36039978.
10. ^{PD}Huggett SB, ^GIkeda A, Uzair X, McGeary HE, Kaun K, **Palmer RH**. mRNA Expression and Mis-Splicing in the Midbrain for Human Opioid Use Disorder. *Genes* 2022, 13(6), 1045; <https://doi.org/10.3390/genes13061045>
11. Feurer C, McGeary JE, ^{PD}Brick LA, Knopik VS, Carper M, **Palmer RH**, Gibb BE. Associations between depression-relevant genetic risk and youth stress exposure: Evidence of gene-environment correlations. *J Psychopathol Clin Sci.* 2022 Apr 25. doi: 10.1037/abn0000757. Epub ahead of print. PMID: 35467896.
12. ^GIkeda AS, Knopik VS, Bidwell LC, Parade SH, Goodman SH, Emory EK, **Palmer RH**. A Review of Associations between Externalizing Behaviors and Prenatal Cannabis Exposure: Limitations & Future Directions. *Toxics* 2022, 10, 17. <https://doi.org/10.3390/toxics10010017>

13. ^{PD}Huggett SB, Hatfield SJ, Walters J, McGeary JE, Welsh JW, Anholt RRH, Mackay TFC, **Palmer RH**. Ibrutinib as a Potential Therapeutic for Cocaine Use Disorder. *Transl Psychiatry* 11, 623 (2021). <https://doi.org/10.1038/s41398-021-01737-5>.
14. ^{PD}Huggett SB, Johnson EC, Hatoum AS, Lai D, ^USrijevanthan J, Bubier JA, Chesler EJ, Agrawal A, Palmer AA, Edenberg HJ, **Palmer RH**. Genes identified in rodent studies of Alcohol and Nicotine intake are enriched in GWASs of Human Substance Use. *Alcohol Clinical and Experimental Research*. *In press*. doi: 10.1111/acer.14738.
15. ^URisner T, ^{PD}Benca-Bachman C, ^GBertin L, Smith Alicia, McGeary JE, Kaprio J, Chesler EC, Knopik VS, Friedman N, **Palmer RH**. Multi-polygenic Analysis of Nicotine Dependence in Individuals of European Ancestry. *Nicotine & Tobacco Research*. *Nicotine & Tobacco Research*, 2021; ntab105, <https://doi.org/10.1093/ntr/ntab105>.
16. **Palmer RH**, Johnson EC, Won H, Polimanti R, Kapoor M, Chitre A, Bogue MA, ^{PD}Benca-Bachman CE, Parker CC, Verma A, Reynolds T, Ernst J, Bray M, Kwon SB, Lai D, Quach BC, Gaddis NC, 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 LJ, Hancock DB, Edenberg HJ, Johnson EO, Nestler EJ, Barr PB, Prins P, Smith DJ, Akbarian S, Thorgeirsson T, Walton D, Baker E, Jacobson D, Palmer AA, Miles M, Chesler EJ, Emerson J, Agrawal A, Martone M, Williams RW. Integration of Evidence across Human and Model Organism Studies: A Meeting Report. *Genes Brain Behav*. 2021 Apr 23:e12738. doi: 10.1111/gbb.12738. Epub ahead of print. PMID: 33893716.
17. ^{PD}Brick LA, ^{PD}Benca-Bachman, ^GMartin K, ^GBertin L, ^URisner V, **Palmer RH**. 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*. 2021 Mar 9;. doi: 10.1111/add.15476. [Epub ahead of print] PubMed PMID: 33686717; NIHMSID:NIHMS1682360.
18. ^UCatherman C, ^UCassidy S, ^{PD}Benca-Bachman CE, Barber J, **Palmer RH**. Associations between Neuroticism, Subject Sleep Quality, and Depressive Symptoms across the First Year of College. *J Am Coll Health*. 2021 Mar 9;1-8. doi: 10.1080/07448481.2021.1891917. Epub ahead of print. PMID: 33689579.
19. McNamara ME, Shumake J, Stewart RA, Labrada J, Alario A, Allen JJB, **Palmer RH**, Schnyer DM, McGeary JE, Beevers CG. Multifactorial Prediction of Depression Diagnosis and Symptom Dimensions. *Psychiatry Res*. 2021 Apr;298:113805. doi: 10.1016/j.psychres.2021.113805. Epub 2021 Feb 13. PMID: 33647705. PMCID: PMC8042639.
20. ^{PD}Huggett SB, Winiger EA, **Palmer RH**, Hewitt JK, Corley RC, Stalling MC. The Structure and Subtypes of Gambling: A Unified Approach to Studying Different Gambling Behaviors. *Addictive Behaviors*. *Addict Behav*. 2021 Feb;113:106662. doi: 10.1016/j.addbeh.2020.106662. Epub 2020 Sep 16. PubMed PMID: 33011493; PubMed Central PMCID: PMC8009047.
21. ^{PD}Hugget S, Bubier J, Chesler E, **Palmer RH**. Do Gene Expression Findings from Mouse Models of Cocaine Use Recapitulate Human Cocaine Use Disorder in Reward Circuitry? *Genes Brain Behav*. 2021 Feb;20(2):e12689. doi: 10.1111/gbb.12689. Epub 2020 Sep 15. PubMed PMID: 32720468; NIHMSID:NIHMS1622397.
22. Micalizzi L, Marceau K, Evans AS, Brick LA, **Palmer RH**, Heath AC, Knopik VS. A sibling-comparison study of smoking during pregnancy and risk for reading-related problems. *Neurotoxicol Teratol*. 2021 Mar-Apr;84:106961. doi: 10.1016/j.ntt.2021.106961. Epub 2021 Feb 10. PubMed PMID: 33577969; PubMed Central PMCID: PMC7965354.

23. ^GBertin L, ^{PD}Benca-Bachman C, Kogan SM, **Palmer RH**. Examining the Differential Effects of Latent Impulsivity Factors on Substance Use Outcomes in African American Men. *Addict Behav*. 2021 Jan 26;117:106847. doi: 10.1016/j.addbeh.2021.106847. [Epub ahead of print] PubMed PMID: 33578106; NIHMSID:NIHMS1672395.
24. Reynolds T, Johnson EC, ^{PD}Huggett SB, Bubier JA, **Palmer RH**, Agrawal A, Baker EJ, Chesler EJ. Interpretation of psychiatric genome-wide association studies with multispecies heterogeneous functional genomic data integration. *Neuropsychopharmacology*. 2021 Jan 1. doi: 10.1038/s41386-020-00795-5. PMID: 32791514.
25. ^GMartin K, ^{PD}Benca-Bachman C, **Palmer RH**. Risk for Alcohol Use Among Entering College Students: The Role of Personality and Stress. *Addict Behav Rep*. 2021 Jun;13:100330. doi: 10.1016/j.abrep.2020.100330. eCollection 2021 Jun. PubMed PMID: 33437859; PubMed Central PMCID: PMC7787922.
26. **Palmer RH***, ^{PD}Benca-Bachman C*, ^{PD}Huggett S*, Bubier J*, ^URamgiri N, ^USryjeyanthan J, Yang J, McGeary JE, Yang J, Visscher P, Yang J, Knopik VS, Chesler E. Multi-omic and multi-species meta-analyses of nicotine consumption. *Translational Psychiatry* (2021)11:98. <https://doi.org/10.1038/s41398-021-01231-y>. *Transl Psychiatry*. 2021 Feb 4;11(1):98. doi: 10.1038/s41398-021-01231-y. PubMed PMID: 33542196; PubMed Central PMCID: PMC7862377.
27. Ekblad MO, Marceau K, Rolan E, **Palmer RH**, Todorov A, Heath AC, Knopik VS. The Effect of Smoking during Pregnancy on Severity and Directionality of Externalizing and Internalizing Symptoms: A Genetically-Informed Approach. *Int J Environ Res Public Health*. 2020 Oct 28;17(21):7921. doi: 10.3390/ijerph17217921. PMID: 33126697; PMCID: PMC7662383.
28. ^GBrown AL, ^GEspaña RA, ^{PD}Benca-Bachman CE, Welsh JW, **Palmer RH**. Adolescent Behavioral Characteristics Mediate Familial Effects on Alcohol Use and Problems in College-Bound Students. *Substance Abuse: Research and Treatment*. January 2020. doi:10.1177/1178221820970925
29. ^UBoateng-Poku A*, ^{PD}Benca-Bachman CE*, Najera DD, Whitfield KE, Taylor JL, Thorpe RJ Jr, **Palmer RH**. The role of social support on the effects of stress and depression on African American tobacco and alcohol use. *Drug Alcohol Depend*. 2020 Apr 1;209:107926. doi: 10.1016/j.drugalcdep.2020.107926. Epub 2020 Feb 14. PMID: 32087470; PMCID: PMC7127941.
30. ^{PD}Benca-Bachman CE, Najera D, Whitfield K, Taylor JL, Thorpe RJ, **Palmer, RH**. Quality and Quantity of Social Support Show Differential Associations with Stress and Depression in African Americans. *Am J Geriatr Psychiatry*. 2020;28(6):597-605. doi:10.1016/j.jagp.2020.02.004.
31. Gray JC, Thompson M, ^{PD}Bachman C, Owens MM, Murphy M, **Palmer RH**. Associations of cigarette smoking with gray and white matter in the UK Biobank. *Neuropsychopharmacology*. 2020 Jun;45(7):1215-1222. doi: 10.1038/s41386-020-0630-2. Epub 2020 Feb 7. PMID: 32032968; PMCID: PMC7235023.
32. Micalizzi L, ^{PD}Brick LA, Marraccini ME, ^{PD}Benca-Bachman CE, ****Palmer RHC, **Knopik VS**. Single nucleotide polymorphism heritability and differential patterns of genetic overlap between inattention and four neurocognitive factors in youth. *Dev Psychopathol*. 2020 Jan 21:1-11. doi: 10.1017/S0954579419001573. [Epub ahead of print] PubMed PMID: 31959275.
33. Ekblad MO, Rolan E, Marceau K, **Palmer RH**, Todorov A, Heath AC, Knopik VS. Disruptive Behavior in Siblings Discordant for Exposure to Maternal Smoking during Pregnancy: a

- Multi-rater approach. *Nicotine Tob Res.* 2019 Nov 18. pii:ntz214. doi: 10.1093/ntr/ntz214. [Epub ahead of print] PubMed PMID: 31734697.
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A detailed bibliography is available at NCBI MyBibliography, Google Scholar, and ORCID:

- <https://www.ncbi.nlm.nih.gov/myncbi/rohan.palmer.1/bibliography/public/>
- <https://scholar.google.com/citations?hl=en&user=66vNIDQAAAAJ>
- <https://orcid.org/0000-0002-6809-9962>

Publications currently under review (includes those archived in PsyArXiv, medRxiv, or bioRxiv where indicated)

1. ^{PD}Brick LD, ^{PD}Benca-Bachman CE, Johnson EC, Gustavson D, **Palmer RH**. Genetic associations among internalizing and externalizing traits with polysubstance use among young adults. (Submitted to: *Addiction*.)
2. Moore A, Sullivan K, Friday E, Noshay J, Garvin M, Pavicic M, Townsend A, Engreitz J, Dey K, Battle A, Knowles D, Baranger D, Hatoum A, Carter G, Gymrek M, Won H, Edenberg H, Keles S, Cox N, Lin H, Ball R, Mackay T, Corradin O, Chesler E, Agrawal A, **Palmer RH**, Pazin M, Hancock D, Hancock E, Jacobson D. (Submitted to: *Nature Reviews Genetic*). Leveraging machine learning and artificial intelligence to understand the heritable component of substance use disorders across humans and model organisms.
3. Feurer C, McGeary JE, ^{PD}Brick LA, Knopik VS, Carper M, **Palmer RH**, Gibb BE. (Submitted to: *Journal of Abnormal Psychology*). Unique and Combined Influences of Genetic Risk and Maternal Depression on Youth Stress Generation.
4. Saul MC, Bagley JR, Bailey LS, Datta U, Dickson PE, Dodd R, Gagnon LH, ^{PD}Huggett SB, Kimble VM, Leonardo M, Kim S, Olson A, Roy T, Schoenrock SA, Wilcox T, Jentsch JD, Logan RW, McClung CA, **Palmer RH**, Philip VM, Reinholdt LG, Sukoff Rizzo SJ, Tarantino LM, Chesler EJ. (Submitted to: *Translational Psychiatry*). Consideration of genetic and sex effects in mice enhances consilience with human addiction studies. Biorxiv doi: <https://doi.org/10.1101/2020.02.14.949784>.
5. ^GJaume N*, ^UHurston J*, ^{PD}Benca-Bachman CE, Holiday ED, **Palmer RH**. Stress Coping Strategies and Co-Use of Alcohol and Other Drugs among Emerging Adults during the COVID-19 Pandemic. (Submitted to: *Journal of Adolescent Health*).

Publications in preparation

1. ^GJaume N, ^UGuo K, ^{PD}Benca-Bachman CE, Najera D, ^GDelawalla C, McGeary JE, **Palmer RH**. (To be submitted to: *American Journal of College Health*). Behavioral correlates of alcohol and marijuana use and problems during the first year of college.
2. ^{PD}Benca-Bachman C*, ^UGordon M*, ^{PD}Barfield W, ^UWebster E, **Palmer RH**. Contextual Effects of Religiosity and Social Support on Transmissible Liability to Addiction: A Longitudinal Study of Alcohol Use. To be submitted to: *Addiction*. Date: Fall 2023.
3. ^{PD}Barfield W, ^{PD}Benca-Bachman C, Najera D, Xiang Y, **Palmer RH**. MAPme: Implementing a Participant-Centered, Multi-Site, Longitudinal Study on Substance use Disorders and Mental Well-Being in College-Age Young Adults. To be submitted to: *Journal of Prevention & Intervention in the Community*. Date: Fall 2023.
4. Holliday ED, Chaney V, Posada D, Welch C, ^{PD}Benca-Bachman CE, ^UJaume-Feliciosi, N, **Palmer RH**. Stress and substance use as mediators of executive function in college-aged students. To be submitted to: To be Determined. Date: Fall 2023.
5. ^{PD}Huggett SB, ^GIkeda A, McGeary JE, Jacobson D, Kainer D, **Palmer RH**. Molecular Signatures Associated with Chronic Alcohol Use in Monkeys, Mice, and (Hu)Mans. To be submitted to: *Addiction Biology*. Date: Fall 2023.
6. ^GIkeda A, ^{PD}Benca-Bachman CE, Knopik VS, Parade S, **Palmer RH**. Effects of Prenatal Cannabis Exposure and Risk for Exposure on Alcohol Sipping and Birth Outcomes. To be submitted to: *Addiction*. Date: Summer 2023.
7. ^{PD}Benca-Bachman C, ^{PD}Barfield W, ^UCassidy S, Syed R, Katrinli, S, Smith A, Powers, A, Mekawri, Y, **Palmer RH**. Associations between Polygenic Scores for Alcohol Consumption

- and Disorder, and Post Traumatic Stress Disorder subdomains with Post Traumatic Stress and Depression Severity in the Context of Trauma in an African American Sample. To be submitted to: To be Determined. Date: Fall 2023.
8. [©]Jaume N*, ^UHurston J*, ^{PD}Benca-Bachman CE, Holiday ED, **Palmer RH**. Individual Differences in Substance Use Motives, Trauma, and Stress Among College Students Who Use Alcohol and Other Drugs. To be submitted to: Drug and Alcohol Dependence. Date: Fall 2023.
 9. [©]Delawalla C, ^{PD}Benca-Bachman CE, [©]Bertin L, Kogan SM, **Palmer RH**. Trajectories of state hope and perceived life chances predicting substance use in rural African American males. To be submitted to: Addiction. Date: Spring 2024.
 10. Catalano J, ^{PD}Benca-Bachman CE, **Palmer RH**⁺⁺, McGeary JE⁺⁺. The role of patient characteristics and polygenic scores on opioid overdose history in European Ancestry individuals with opioid use disorder. To be submitted to: To be Determined. Date: Fall 2023.
 11. ^UCassidy S, [©]Martin K, ^{PD}Benca-Bachman CE, Syed R, 23andMe Research Team, **Palmer RH**. Direct and Indirect Polygenic Effects of Cannabis and Personality Traits on Cannabis Initiation. To be submitted to: Drug and Alcohol Dependence. Date: Spring 2024.
 12. [©]Jaume N*, ^UAgrawal A*, ^{PD}Benca-Bachman CE, Holiday ED, **Palmer RH**. Prevalence, Incidence, and Behavioral Correlates of Polysubstance Use Before and during the first year of College. To be submitted to: Drug & Alcohol Dependence. Date: Summer 2024.
 13. ^{PD}Benca-Bachman C, ^{PD}Barfield W, ^UCassidy S, Syed R, Katrinli, S, Smith A, Powers, A, Mekawri, Y, **Palmer RH**. Examining the Genetic Overlap between Alcohol Misuse, Internalizing Traits, and Trauma in African Americans. To be submitted to: To be Determined. Date: Summer 2024.
 14. [©]Bertin-Loeffell L, ^{PD}Benca-Bachman C, Whitfield K, **Palmer RH**. Shared Genetic and Environmental Effects on Social Support, Stress, and Depression in African American Twins. To be submitted to: Behavior Genetics. Date: Fall 2024.
 15. ^{PD}Barfield W, ^UGordon M, Ober J, ^UAmellio M, **Palmer RH**. Understanding Barriers to Participation in Genetics/Genomics Research among Diverse Groups of Undergraduate Students. To be submitted to: To be Determined. Date: Fall 2024.

BOOKS, LETTERS, AND BOOK CHAPTERS

1. **Palmer RH** & McGeary JE. Models of drug addiction: Theories and future applications in prevention and treatment. The Brown University Child and Adolescent Behavior Letter. 2016 April 25; 32(5):1-7.
2. Kreutzer, Jeffrey, DeLuca, John, Caplan, Bruce (Eds.) (2010). Encyclopedia of Clinical Neuropsychology. ISBN: 978-0-387-79947-6. **Role:** Developed multiple reference entries with examples (i.e., Adoption Studies, Chromosome, Gene, Polymorphism, Deoxyribonucleic Acid (DNA), Gene-Environment interaction, Twin Studies, Genotype, and Phenotype). See: <http://link.springer.com/search?facet-creator=%22Rohan+Palmer%22> for details.

GRADUATE MASTERS/DOCTORAL STUDENT THESES

1. Bertin L and Palmer RH (Doctoral thesis; submitted Summer 2023 to Emory College of Arts & Sciences). Title: Characterizing the Phenotypic and Etiological Relationships Between Executive Functions, Drinking Trajectories, and Alcohol Use Disorder. Permanent Library URL: <https://etd.library.emory.edu/concern/etds/9w032465h?locale=en>
2. Ikeda A and **Palmer RH**. (*Masters*; Submitted in Spring 2022 to Emory College of Arts & Sciences). Title: Contextualized Effects of Maternal Cannabis During Pregnancy on Postnatal Outcomes and Childhood Alcohol Sipping in the Adolescent Brain Cognitive Development Project. Permanent Library URL: <https://etd.library.emory.edu/concern/etds/iq085m19d?locale=en>
3. Martin K and **Palmer RH**. (*Masters*; Submitted in Spring 2020 to the Emory College of Arts & Sciences). Title: Risk for Alcohol Use among Entering College Students: The Role of Personality and Stress. Permanent Library URL: <https://etd.library.emory.edu/concern/etds/gb19f7049?locale=fr>
4. Bertin L and **Palmer RH**. (*Masters*; Submitted in Summer 2019 to the Emory College of Arts & Sciences). Title: Examination of the UPPS and Its Relation to Alcohol Use and Generalized Substance Use Problems in Rural African American Males. Permanent Library URL: <https://etd.library.emory.edu/concern/etds/kh04dq80h?locale=en>

UNDERGRADUATE HONORS STUDENT THESES

1. Dickey P and **Palmer RH**. (*in progress for Spring 2023: for to the Emory College of Arts & Sciences*). Title: To be Determined. Permanent Library [URL: To be determined](#).
2. Cassidy S and **Palmer RH**. (*Highest Honors*; Submitted in Spring 2021 to the Emory College of Arts & Sciences). Title: Disentangling the Association Between Personality Traits and Cannabis Use and Disorder in Cannabis Users of European Ancestry. Permanent Library URL: <https://etd.library.emory.edu/concern/etds/6969z2237?locale=en>
3. Ramgiri N and **Palmer RH**. (*Highest Honors*; Submitted in Spring 2020 to the Emory College of Arts & Sciences). Title: Integrative Prioritization of Genetic Loci for Nicotine Consumption. Permanent Library URL: <https://etd.library.emory.edu/concern/etds/m326m279j?locale=en>; this work also appears in *Palmer et al., 2021 Translational Psychiatry*.
4. Risner V and **Palmer RH**. (*Highest Honors*; Submitted in Spring 2019 to the Emory College of Arts & Sciences). Title: Multi-Trait Polygenic Prediction of Nicotine Dependence. Permanent Library URL: <https://etd.library.emory.edu/concern/etds/vm40xs58b?locale=en>

INVITED PRESENTATIONS/TALKS/SYMPOSIA

2023

1. Co-Organizer & Presenter. Jackson Laboratory Genetics of Addiction Short Course (October 23-26, 2023). Talk Title: Behavior Genetics of Addiction.
2. Symposium Speaker at Rhode Island Hospital Symposium (October, 2023). Title: Understanding and Translating Genetic Markers of Addiction

3. Plenary Speaker at Rutgers Addiction Research Center Fall 2023 Symposium (September, 2023). Title: Drug Addiction Genetics: Advancing Beyond Discovery
4. Faculty Speaker, Cold Spring Harbor | Meetings & Courses on “Neuroscience of Addiction”. (August 2023). Title: Behavior Genetics of Addiction

2022

5. Center for Alcohol & Addiction Studies at Brown University (April, 2023). Title: Using genomics to repurpose therapeutics for addictive behaviors
6. Department of Psychology at Yale University. (April 2023). Title: Systems genetics of cocaine use disorder: from complex genetics to multi-omics.

2022

1. NIDA Genetics and Epigenetics Cross Cutting Research Team Meeting (May, 2022). Title: *Molecular Brain Signatures of Chronic Alcohol Use Across Species*. Agenda available at: <https://nida.nih.gov/sites/default/files/2022-geccrt-virtual-meeting-agenda.pdf>
2. Research Society on Alcoholism 2022 Meeting Symposium (June 26, 2022). Title: *Systems Genetics and Multi-species Integrative Functional Genomics Aid Interpretation of Human GWAS Data*.
3. Behavior Genetics Association 2022 Meeting Symposium Chair & Speaker (June 24, 2022). Title: Genomic structural equation modeling and polygenic score approaches to understanding substance use and related behaviors.

2021

1. Emory University Department of Human Genetics (December 13, 2021). Title: Integrating Data Across 'Omics and Species to Enhance Gene Finding and Interpretation in Addiction Genetics.
2. Genetics of Addiction Short Course (May 7, 2021). Title: Cross-species Addiction Genetics.
3. NIDA Genetics and Epigenetics Cross Cutting Research Team Meeting (March 19, 2021). Title: *Computational Drug Discovery for Cocaine and Opioid Use Disorders*
4. Emory University Office of the Senior Vice President for Research: “Thursdays at Three-Emory Faculty Making History”. (Panelist; February 18, 2021). Described cutting-edge research projects aims at reducing health disparities in research.
5. International Behavioral and Neural Genetics Society (IBANGS): Behavior and Neural Genetics Symposium. (February 17, 2021). Title: Beyond GWAS: Identifying and Leveraging Consilience in Addiction Genetics. Accessible at: <https://www.youtube.com/watch?v=PKLSWaKhzcE&list=PL1kysCTSXuLFR34p0XuorFjnMj8nfvj61>
6. National Institute on Drug Abuse: Enhancing Health Disparities Research Related to Substance Use and Addiction: Research Gaps and Opportunities. (Panelist; February 17, 2021). Sponsored by the Research Gaps and Opportunities Working Group of the NIDA Action Plan for Racial Equity.

2020

1. Co-Chair of the Inclusion, Diversity and Equity in Action (IDEA) Plenary. World Congress on Psychiatric Genetics Meeting (October 2020). Title: *IDEA Committee Plenary*; Co-chaired with Dr. Benjamin Neale.
2. Carolina Consortium on Human Development. University of North Carolina Chapel Hill (October 2020). Title: *Consilience in Addiction Genetics*. Zoom Webinar Presentation.
3. National Academies' virtual workshop on Sex Differences in Brain Disorders: Emerging Transcriptomic Evidence and Implications for Therapeutic Development. (September 2020). Resulting publication:
 - National Academies of Sciences, Engineering, and Medicine. 2021. Sex differences in brain disorders: Emerging transcriptomic evidence: Proceedings of a workshop. Washington, DC: The National Academies Press. <https://doi.org/10.17226/26058>.
4. PSI CHI Honor Society – Emory University. (April 2020). *Getting into Research*. Webinar (due to COVID-19) hosted for junior members of the society.

2019

1. World Congress of Psychiatric Genetics Symposium on Progress in the Genetics of Substance Use Disorders: An Update. (October 2019). *Cross-Species Prioritization of Genomic Loci for Nicotine & Alcohol Use Disorders*.
2. Institute for Molecular Medicine in Helsinki, Finland. (FIMM; June 2019). *Understanding Pathways to Drug Use and Addiction*.
3. Institute for the Liberal Arts (April 2019). *Making Sense of GWAS: The Role of Transcriptionally Regulated Genes*.
4. NIDA Genetics Consortium Meeting in Bethesda, MD (January 2019). *Cross-Species Prioritization of Genomic Loci for Drug Addiction: An Example Using Alcohol Consumption*.
5. Center for the Study of Human Health Film Series: *Prescription Thugs*. Presented on the status of addiction genetics research and described ongoing research on pathways to drug addiction. Participated in discussion about the culture of prescription drug abuse.

2018

1. Emory College Alumni Board (October 2018). *MAPme: Research for students, by students*.
2. Symposium Chair: Behavioral Genetics Association (June 2018). *Ethics in Behavior Genetics: Challenges & Considerations To Studies Including Racial/Ethnic Diversity as a Biological Variable*
3. Research Society on Alcoholism (June 2018). Cross-Species Data Integration for Characterization, Prediction, and Treatment of Alcohol Use Disorders. Palmer Title: *Multivariate Genetics Architecture of DSM-5 Alcohol Use Disorder*.
4. Keynote Address: *Doorways to Opportunities*. William Paterson University Honors College Graduation Banquet, April 21, 2018. Wayne NJ.
5. NIDA Genetics Consortium Meeting in Bethesda, MD (January 2018). *Multivariate Genetics Architecture of DSM-5 Alcohol Use Disorder*.

2017

1. Emory University Department of Psychology *Psi Chi* Induction Ceremony Guest Speaker.

2016

1. National Institute on Drug Abuse Genetics Consortium Meeting (December 2016), Rockville MD. Title: Estimation of the Genomewide Additive Genetic Covariance Across subjects of European and African Ancestry: An Example Using Alcohol Dependence.
2. Department of Biostatistics, Emory University (November 2016). Title: *Genetic Characterization of Substance Use Disorders*.

2015

1. Department of Psychiatry and Human Behavior – Postdoctoral Training Seminar Series (October 2015). Title: *The Art of Power Analysis - A guide to power analysis in research design and grant preparation*.
2. Rhode Island Hospital – Division of Behavioral Genetics Seminar Series (January 2015). Title: *Got Data? Caveats to Leveraging Low/High-Dimensional Genomics Data – Part 2*.

2014

1. Rhode Island Hospital – Division of Behavioral Genetics Seminar Series (December 2014). Title: *Got Data? Caveats to Leveraging Low/High-Dimensional Genomics Data – Part 1*.
2. Invited Speaker at the Laboratory of Clinical and Translational Studies at the National Institute on Alcohol Abuse and Alcoholism (NIAAA) (May 2014). Title: *Redefining Alcohol Dependence for Genetics Research: Considerations and Limitations*.

2013

1. Rhode Island Hospital – Division of Behavioral Genetics Seminar Series (May 2013). Title: *Caveats in Identifying Genes: “The Case of the Missing Heritability”*.
2. Invited Speaker for special oral poster session. XXIst World Congress on Psychiatric Genetics (2013) Special Session on Genetics and Addictions. Boston, MA. Poster Title: *Estimation of Genetic Covariance among DSM-IV Symptoms of Alcohol Dependence*.
3. Invited Speaker. PIRE Research – RI. Title: *Whole Genome Prediction Modeling*.

2012

1. Bradley Hasbro Children’s Research Center Seminar Series (Spring 2012). Title: *Pleiotropic Genes and the Liability to Drug Dependence in Teens and Young Adults*.

2011

1. Keynote Speaker, Colorado Diversity Initiative at the University of Colorado at Boulder. Summer Multicultural Access to Research and Training (S.M.A.R.T) Banquet (Boulderado Hotel, Boulder CO, 2011).
2. Invited Speaker, Brown University Center for Computational and Molecular Biology Working Meeting, Title: *Genetics Differences and the Liability to Drug Dependence: The Future of Genetic Association* (2011).

2009

1. Invited Panelist, Society for the Advancement of Chicanos and Native Americans in Science, Title: *See Yourself on the Flipside: A Candid Discussion of the Graduate Experience*. Dallas, TX, 2009).

- Invited Presenter, Boulder County “I Have a Dream Foundation”. Location: University of Colorado at Boulder. Designed and presented a lecture for groups of high school students. Title: *DNA and Inheritance* (Boulder CO, 2009)

SELECTED MEDIA AND OTHER ATTENTION

- Careers Up Close: Rohan Palmer on Genetics and Substance Use. APS Observer 37. Feature article available at: <https://www.psychologicalscience.org/observer/careers-up-close-rohan-palmer>
- Advice for scholar: who “look like me”. Center for Family Research at the University of Georgia, July 20, 2023. Feature article available at: <https://cfr.uga.edu/for-researchers/scholar-spotlights/advice-for-scholars/>
- Genetic risks for nicotine dependence span a range of traits and diseases. Emory eScience Commons, June 30 2021. Feature article available at: <http://esciencecommons.blogspot.com/2021/06/genetic-risks-for-nicotine-dependence.html>
- Heritable traits that appear in teen years raise risk for adult cannabis use. Emory eScience Commons, March 21 2021. Feature article available at: <http://esciencecommons.blogspot.com/2021/03/heritable-traits-that-appear-in-teen.html>
- Multi-species analyses accelerate research into genes linked to tobacco use. Emory Research Roundup. March 11 2021. Feature article available at: https://news.emory.edu/stories/2021/03/er_research_roundup/campus.html#Tobacco
- Thursdays at Three. Office of the Senior Vice President for Research at Emory University. February 19 2021. Title: MAPme. Full talk available at: <https://web.microsoftstream.com/video/95f3b435-e246-4e87-85e4-2b16debadd4>
- Beyond GWAS: Identifying and Leveraging Consilience in Addiction Genetics. A presentation for the International Behavioral and Neural Genetics Society, February 17 2021. Full talk available at: <https://youtube.com/playlist?list=PL1kysCTSXuLFR34p0XuorFjnMj8nfvj61>
- Meet Rohan Palmer, PhD: An interview with Q3 2020’s featured Spark affiliated faculty. Invited interview for the Rollins School of Public Health’s Spark Program. <https://scholarblogs.emory.edu/rollinssudprogram/about-us/featured-affiliate-faculty/rohan-palmer-featured-partner/>
- Does smoking increase your risk for dementia and cognitive decline? <https://www.newswise.com/articles/does-smoking-increase-your-risk-for-dementia-and-cognitive-decline>. February 28 2020.
- Future Directions: A Podcast about Research. Topic: Behavior Genetics. (<https://open.spotify.com/show/2mqQGpZN2iRspluNKfb19e>). Episode 7 release date: November 28 2019.
- Observer Magazine (Association for Psychological Science): Connecting the Dots between Biology and Addiction (<https://www.psychologicalscience.org/observer/biology-addiction>). October 2019.
- CNN: What role does genetics play in opioid addiction? (<https://www.cnn.com/2018/02/22/health/genome-genetic-opioid-addiction-study/index.html>). February 2018.
- Emory News Center: New research aims to understand how genetic differences contribute to addiction (https://news.emory.edu/stories/2018/01/er_palmer_addiction/campus.html). January 2018.

14. Emory News Center: New professors bring extensive expertise to Emory. (https://news.emory.edu/stories/2016/08/er_bts_new_faculty_2016/campus.html)
15. NIH Loan Repayment Program Ambassador Feature. August 2017 LRP Ambassador Newsletter. August 2017.
16. Our2SNPs Blog (<http://blog.goldenhelix.com/>). Title: Investigating Shared Additive Genetic Variation for Alcohol Dependence. Guest Webcast 08/10/2016.

ABSTRACTS/PRESENTATIONS/SYMPOSIA (includes published abstracts)

(* - dual first authorship, ^G Graduate student I have mentored (or co-mentored); ^{PD} Postdoctoral fellow I have mentored; ^U Undergraduate student I have mentored; underlined text indicates site of presentation(s). A complete list of students is provided at the end of this CV).

1. ^{PD}Huggett SG, ^GIkeda AS, Kaun KR, McGeary JE, **Palmer RH**. In Silico Genetic and Neuromolecular Drug Repurposing for Opioid Use Disorder. Presented at the 2023 NIDA Genetics Epigenetics Consortium Meeting, May at NIH Bethesda Campus.
2. ^GIkeda A, Biglaiser A, ^UYuan Q, ^{PD}Benca-Bachman C, Knopik VS, **Palmer RH**. Contextualized effects of maternal cannabis during pregnancy on postnatal birth outcomes and childhood alcohol sipping in the ABCD project. Presented at the 2022 Research Society on Alcoholism Meeting.
3. ^GJaume-Feliciosi N, Holiday E, ^{PD}Benca-Bachman CE, **Palmer RH**. Individual Differences in Substance Use Motives, Trauma, and Stress Among College Students Who Use Alcohol and Other Drugs. Presented at the 2022 Research Society on Alcoholism Meeting.
4. ^UHurston J, ^GJaume-Feliciosi N, Holiday ED, ^{PD}Benca-Bachman CE, **Palmer RH**. Coping Strategies and Co-Use of Alcohol and Other Drugs Among Emerging Adults During the Covid-19 Pandemic. Presented at the 2022 Research Society on Alcoholism Meeting.
5. Huggett S, Ikeda A, Kaun K, McGeary J, **Palmer RH**. In Silico Genetic & Neuro-molecular Drug Re-purposing for Opioid Use Disorder. Presented at the 2022 Behavioral Genetics Association Meeting.
6. Nonkovic N, Marceau K, McGeary J, **Palmer RH**, Heath A, Knopik V. Maternal Smoking During Pregnancy Exposure and DNA Methylation: A sibling comparison study. Presented at the 2022 Behavioral Genetics Association Meeting.
7. Brick L, ^{PD}Benca-Bachman C, Gustavson D, Johnson E, **Palmer RH**. Distinct associations among genetic internalizing and externalizing factors with polysubstance use among young adults. Presented at the 2022 Behavioral Genetics Association Meeting.
8. Knopik V, Micalizzi L, Marceau K, Loviska A, Yu L, Bien A, Rolan E, Evans A, **Palmer RH**, Heath A. The roles of familial transmission and smoking during pregnancy on executive function skills: A sibling-comparison study. Presented at the 2022 Behavioral Genetics Association Meeting.
9. ^{PD}Benca-Bachman CE, ^{PD}Barfield W, Syed R, ^UCassidy S, Katrinli S, Smith A, Powers A, Mekawi Y, **Palmer RH**. Additive Genetic and Interactive Effects on Alcohol Use Disorder and Traumatic Experiences Among African Americans. Presented at the 2022 Behavioral Genetics Association Meeting.
10. ^{PD}Benca-Bachman CE, ^{PD}Barfield W, Syed R, ^UCassidy S, Katrinli S, Smith A, Powers A, Mekawi Y, **Palmer RH**. Associations between Polygenic Scores for Alcohol Consumption, Disorder, and Post Traumatic Stress Disorder subdomains with Post Traumatic Stress and Depression Severity in the Context of Trauma in an African American Sample. Presented at the 2022 Behavioral Genetics Association Meeting.

11. ^GBertin-Loeffell L, ^{PD}Benca-Bachman CE, Friedman N, **Palmer RH**. Disentangling Genetic and Environmental Influences on Drinking Trajectories from Early Adolescence to Early Adulthood. Presented at the 2022 Behavioral Genetics Association Meeting.
12. ^UCassidy S, ^{PD}Barfield WL, ^{PD}Benca-Bachman C, Syed R, Katrinli S, Smith A, Powers A, Mekawi Y, **Palmer RH**. Conditional and Moderated Effects of Polygenic Risk for Alcoholism on Alcohol Consumption Among African Americans with a History of Trauma. Presented at the 2022 Association for Psychological Science Conference; the 2022 Behavior Genetics Association Meeting.
13. Miller K, ^{PD}Benca-Bachman C, ^GJaume-Feliciosi N, ^UHurston J, **Palmer RH**. A Longitudinal Analysis of Coping Strategies, Stress, and Anxiety, in College Students during the COVID-19 Pandemic. Presented at the 2022 Association for Psychological Science Conference.
14. ^UChen M, ^GMartin KP, **Palmer RH**. Non-medical Prescription Opioid Use with Comorbid Depression. Presented at the 2022 Association for Psychological Science Conference
15. ^GMartin KP, ^UChen M, **Palmer RH**. Depression and Anxiety as Risk Factors of Heroin and Prescription Opioid Use. Presented at the 2022 Association for Psychological Science Conference.
16. ^UYadav P, Miller K, ^{PD}Benca-Bachman C, **Palmer RH**. Examining the Effectiveness of Social Media on Recruitment Strategies for Psychological Research. Presented at the 2022 Emory Undergraduate Research Symposium.
17. ^UGordon M*, ^{PD}Barfield WL*, Ober J*, ^UChoi M, **Palmer RH**. Understanding Barriers to Participation in Genetics/Genomics Research. Presented at the Fall 2021 Georgia Undergraduate Research Conference.
18. ^UAmellio MC, ^{GS}Martin KP, ^{PD}Benca-Bachman C, **Palmer RH**. Risk for Nonmedical Opioid Use in Comorbid Anxiety and Depression. Presented at the 2021 Association for Psychological Science Online Conference.
19. ^UPatino-Flores R, ^{PD}Barfield W, Ober J, ^{PD}Benca-Bachman C, **Palmer RH**. Academic Stress in College Aged Students: Resilience and Risk, & How It Relates to Adaptive and Negative Coping Mechanisms. Presented at the 2020 Annual Biomedical Research Conference for Minority Students (ABRCMS).
20. Segrè AV*, ^{PD}Huggett S*, Hatoum AS, Shuey MM, Cole BS, Pathak G, **Palmer RH**, Cox NJ, COVID-19 Host Genetics Initiative. Identifying Treatments for Severe COVID-19 Illness via Genetic Drug Repurposing. Presented at the 2020 American Society of Human Genetics (ASHG) Meeting.
21. ^{PD}Huggett S, McGeary JE, Welsh JW, **Palmer RH**. Neuronal mRNA Mediated Drug Discovery for Cocaine Use Disorder: Identifying Repurposable Treatments from Human Reward Circuitry . Presented at the 2020 ASHG Meeting.
22. ^{PD}Barfield W, Xiang Y, ^{PD}Benca-Bachman CE, Najera D, **Palmer RH**. MAPme: Implementing a Community-based Prospective Study of Substance Use Disorders. Presented at the 2020 ASHG Meeting.
23. Ekblad MO, Marceau K, Rolan E, **Palmer RH**, Todorov A, Heath AC, Knopik VS. The Effect of Smoking During Pregnancy on Severity and Directionality of Externalizing and Internalizing Symptoms: A Genetically-Informed Approach. Presented at the 2020 Online Behavioral Genetics Association Meeting. (<http://bga.org/bga-2020-online-program/>).
24. ^UAmellio M, ^{GS}Cordero V, ^{PD}Benca-Bachman CE, **Palmer RH**. A Comparison of Substance Use Surveys in College Students. Research poster presented at the 18th Annual Georgia Undergraduate Research in Psychology Conference in 2020 (<https://gurp.kennesaw.edu/>); the 2020 MapMe Symposium.
25. ^UCassidy S, ^GMartin KP, **Palmer RH**. Personality and Mood Determinants of Marijuana Use During the First-Year of College. Poster presented at the 2020 Association for Psychological Science Poster Webinar; the 2020 MapMe Symposium.

26. ^UAgarwal A., ^{PD}Barfield W, **Palmer RH**. Association among Family Income, Perceived Stress, and Alcohol Use in First Year Students of Emory University's Class of 2022. Poster presented at the 2020 MapMe Symposium.
27. ^UAgarwal A., **Palmer RH**. Evidence of Polysubstance Use Among First-Year College Students. Poster presented at the 2020 MapMe Symposium.
28. ^{PD}Benca-Bachman CE, Xiang Y, **Palmer RH**. Bidirectional Relations between Sleep and Alcohol Use in First Year College Students. Poster presented at the 2020 MapMe Symposium.
29. ^UHuggins T, Kan M, ^{PD}Huggett S, **Palmer RH**. How do students' leadership involvement and perceived stress impact their binge drinking behavior? Poster presented at the 2020 MapMe Symposium; the 2019 Emory Sleep Symposium.
30. ^UMohsin B, ^UWilker G. Association between Caffeine Usage and Stress During the First Year of College. Poster presented at the 2020 MapMe Symposium.
31. ^UGuyette L, ^UWaltzer S. Analyzing the Relationship Between Caffeine Use, Impulsivity, and Stress Among First-Year Undergraduate. Poster presented at the 2020 MapMe Symposium.
32. ^UKraushaar E, ^UTa N. Perceived Stress and Neuroticism as a Predictor of Cannabis Use Among First-Year College Students. Poster presented at the 2020 MapMe Symposium.
33. ^USpencer A, ^UAtluri S. The Relationship between Impulsivity and Social Motivation on Substance Use in College Students. Poster presented at the 2020 MapMe Symposium.
34. ^UBennett T, ^USanford C. The Effect of Personality Traits on Daily Drinking Habits in College Students. Poster presented at the 2020 MapMe Symposium.
35. ^UYadav P, ^UKim S. The Relationship Between Personality, Stress, and Frequency of Caffeine Use Among Undergraduate Students. Poster presented at the 2020 MapMe Symposium.
36. Knopik VS, Buck J, O'Neill H, Sanders K, Wageman C, Stitzel J, Marceau J, McGeary J, **Palmer RH**, Evans A, Todorov A, Heath A. Developmental nicotine exposure, epigenetics, and ADHD: translational efforts in adolescent mice and human models. Presented at Presented at the 49th Meeting of the Behavioral Genetics Association in 2019, Stockholm, Sweden. BEHAVIOR GENETICS ,49(6).p510.
37. ^URisner V, ^{PD}Benca-Bachman C, **Palmer RH**. Polygenic Prediction of Nicotine and Alcohol Dependence. Presented at the 49th Meeting of the Behavioral Genetics Association in 2019, Stockholm, Sweden. BEHAVIOR GENETICS ,49(6).p493.
38. ^{PD}Brick L, ^{PD}Benca-Bachman C, **Palmer RH**. 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 2019. EUROPEAN NEUROPSYCHOPHARMACOLOGY,29(5).pS12.<https://doi.org/10.1016/j.euroneuro.2019.08.196>.
39. **Palmer RH**, ^{PD}Benca-Bachman C, Bubier J, ^URamgiri N, ^USrijeyanthan J, Chesler E. Cross-Species Prioritization of Genomic Loci for Nicotine & Alcohol use Disorders. Presented at the World Congress on Psychiatric Genetics Meeting in 2019. EUROPEAN NEUROPSYCHOPHARMACOLOGY,29(5).pS12. <https://doi.org/10.1016/j.euroneuro.2019.07.025>
40. ^URamgiri N, ^{PD}Benca-Bachman C, ^USryjeyanthan J, Bubier J, Chesler E, **Palmer RH**. Integrative Prioritization of Genetic Loci for Nicotine Dependence. Presented at the 2019 Association for Psychological Science Conference.

41. ^USrijeyanthan J, Bubier J, Chesler E, ^{PD}Benca-Bachman CE, **Palmer RH**. Cross-species Prioritization of Genomic Loci for Alcohol Use Disorder. Presented at the 2019 Association for Psychological Science Conference.
42. ^UGordon M*, ^{PD}Benca-Bachman C*, Najera D, **Palmer RH**. Contextual Effects of Religiosity and Social Support on Transmissible Liability to Addiction: A Longitudinal Study of Alcohol Use. Presented at the 2019 Association for Psychological Science Conference.
43. Najera D, ^{PD}Benca-Bachman C, McGeary JE, **Palmer RH**. Behavioral Correlates of Alcohol and Marijuana use and Problems during the first-year of College. Presented at the 2019 Association for Psychological Science Conference.
44. ^U*Amellio M, ^U*Loche S, Najera D, ^{PD} Benca-Bachman C, Barber J, **Palmer RH**. Risk and Protective Factors for Depression on College Campuses. Presented at the 2019 Georgia Psychological Association Meeting; 2019 Emory Undergraduate Research Symposium.
45. ^U*Agarwal A, ^U*Agarwal, ^{PD}Benca-Bachman C, Barber J, **Palmer RH**. Association between Alcohol Consumption and Dysphoria among First-Year Undergraduate Students. Presented at the 2019 Emory Undergraduate Research Symposium.
46. ^U*Swanson J, ^{PD}Benca-Bachman C, Barber J, **Palmer RH**. Association between Trauma History and Anxiety. Presented at the 2019 Georgia Psychological Association Meeting; the 2019 Emory Undergraduate Research Symposium.
47. ^U*Catherman C, ^U*Cassidy S, ^{PD}Benca-Bachman C, Barber J, **Palmer RH**. The Relationship Between the Big five Model of Personality and Sleep Quality. Presented at the 2019 Georgia Psychological Association Meeting; the 2019 Emory Undergraduate Research Symposium.
48. ^U*Yip K, ^U*Ponnazhagan, ^{PD}Benca-Bachman C, Barber J, **Palmer RH**. Contribution of Interpersonal and Non-Interpersonal Trauma to Depression in First-Year Students. Presented at the 2019 Georgia Psychological Association Meeting; the 2019 Emory Undergraduate Research Symposium.
49. ^URamgiri N, ^{PD}Benca-Bachman C, ^USryjeyanthan J, Bubier J, Chesler E, **Palmer RH**. Integrative Prioritization of Genetic Loci for Nicotine Dependence. Presented at the 2019 Inaugural Research Across Psychology Meeting, Emory University Dept of Psychology, March 4, 2019; Emory Undergraduate Research Symposium; 2019 Association for Psychological Science Conference, Washington DC.
50. ^URisner V, ^GBertin L, ^{PD}Benca-Bachman C, **Palmer RH**. Multi-trait Polygenic Prediction of Nicotine Dependence. Presented at the 2019 Inaugural Research Across Psychology Meeting, Emory University Dept of Psychology; the Neuroscience and Behavioral Biology Research Symposium on April 23rd, 2018 & April 22nd, 2019; the 2019 Association for Psychological Science Conference, Washington DC.
51. ^GMartin K, ^{PD}Benca-Bachman C, **Palmer RH**. 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); the 2019 Inaugural Research Across Psychology Meeting, Emory University Dept of Psychology; the 2019 Association for Psychological Science Conference, Washington DC.
52. ^{PD}Benca-Bachman C, ^URamgiri N, ^USryjeyanthan J, Bubier J, Chesler E, **Palmer RH**. Integrative Prioritization of Genetic Loci for Nicotine Dependence. Presented at the 2019 NIDA Genetics Consortium Meeting, Bethesda, MD.
53. ^UMalik-Williams R, ^UBoateng-Paku A, Whitfield K, Najera D, **Palmer RH**. Investigating the Role of Religiosity in Alcohol and Tobacco Use among Individuals of African Ancestry. Presented at the 2017 Emory University Undergraduate Research Symposium Spring 2017, Atlanta GA.

54. **Palmer RH**, Integrative Prioritization of Genetic Loci for Alcohol Dependence. Presented at the 2019 Behavioral Genetics Association Meeting, Boston, MA. BEHAVIOR GENETICS 48 (6), 505-505
55. ^GBertin L, ^{PD}Benca-Bachman C, Whitfield K, **Palmer RH**. Shared Genetic and Environmental Effects on Social Support, Stress, and Depression in African American Twins. Presented at the 2018 Association for Psychological Science Conference, San Francisco, CA.
56. ^UBoateng-Poku A, ^{PD}Benca-Bachman CE, Najera D, Whitfield K, **Palmer RH**. The role of emotional distress and social support on substance use in African Americans. Presented at the 2018 Association for Psychological Science Conference in San Francisco, CA (received honorable mention); the 2018 Neuroscience and Behavioral Biology Research Symposium.
57. ^{PD}Benca-Bachman CE, Najera D, Whitfield K, **Palmer RH**. Social Support as a resilience mechanism for stress and depression in African Americans. Presented at the 2018 meeting of the Association for Psychological Science, San Francisco, CA.
58. ^URomero PN, ^{PD}Benca-Bachman CE, Bucholz KK, Heath AC, Edenberg H, Nurnberger J, Knopik VS, **Palmer RH**. Genetic architecture of alcohol withdrawal symptoms. Presented at the 2018 Association for Psychological Science Conference, San Francisco, CA; the 2018 Neuroscience and Behavioral Biology Research Symposium.
59. ^GBertin L, ^{PD}Benca-Bachman C, Whitfield K, **Palmer RH**. Shared Genetic and Environmental Effects on Social Support, Stress, and Depression in African American Twins. Presented at the 2018 Behavioral Genetics Association Meeting, Boston, MA. BEHAVIOR GENETICS 48 (6), 457-458.
60. Micalizaai L, ^{PD}Brick L, Marracinni M, ^{PD}Benca-Bachman C, **Palmer RH**, Knopik V. Differential patterns of genetic overlap between inattention and four neurocognitive factors. Presented at the 2018 Behavioral Genetics Association Meeting, Boston, MA. BEHAVIOR GENETICS 48 (6), 496-497.
61. ^{PD}Brick L, Marracciini M, Micalizzi L, Benca-Bachman C, Knopik V, **Palmer RH**. (2018) Genetic contributions to suicidal ideation and neurocognitive functioning. BEHAVIOR GENETICS 48 (6), 496-497.
62. Marceau K, Bidwell LC, Karoly HC, Evans AS, Todorov AA, **Palmer RH**, Knopik VS. (2018) Within-family effects of smoking during pregnancy on ADHD: the importance of phenotype. Journal of abnormal child psychology 46 (4), 685-699.
63. Micalizzi L, Marceau K, ^{PD}Brick LA, **Palmer RH**, Todorov AA, Heath AC, Knopik VS. (2018) Inhibitory control in siblings discordant for exposure to maternal smoking during pregnancy. Developmental psychology 54 (2), 199.
64. ^UGordon M, ^{PD}Benca-Bachman C, Najera D, **Palmer RH**. Contextual Effects of Religiosity and Social Support on Transmissible Liability to Alcohol Use: A Longitudinal Study. Presented at the 2018 Emory University Undergraduate Research Symposium; the 2019 Meeting of the Association for Psychological Science.
65. ^USrijeyanthan J, Bubier J, Chesler E, Benca-Bachman CE, **Palmer RH**. Cross-species Prioritization of Genomic Loci for Alcohol Use Disorder. Presented at the 2018 Neuroscience and Behavioral Biology Research Symposium on; the 2019 Association for Psychological Science Conference.
66. Beckly A., **Palmer RH**, Rocque M., Whitfield K. Health and criminal conviction among African Americans: A sibling study. Presented at the 2017 American Society of Criminology Meeting, Philadelphia, PA. SSM-population health 7, 100359
67. ^GPoore H, LoParo D, **Palmer RH**, Kerley K, Walum H, Young L, Ressler K, Waldman I. Association between the Oxytocin Receptor Gene (OXTR) and Childhood Aggression.

- Presented at the 2017 Behavior Genetics Association Meeting, Oslo, Norway. BEHAVIOR GENETICS 47 (6), 666-667.
68. Feurer C, McGeary JE, Knopik VS, ^{PD}Brick LA, **Palmer RH**, Gibb BE. (2017) HPA axis multilocus genetic profile score moderates the impact of interpersonal stress on prospective increases in depressive symptoms for offspring of depressed mothers. JOURNAL OF ABNORMAL PSYCHOLOGY 126 (8), 1017.
 69. ^{PD}Brick LA, Micalizzi L, Marraccini ME, Knopik VS, **Palmer RH**. Additive genome-wide effects on Opioid Dependence: Evidence for genetic correlation with childhood trauma. Presented at the 2017 Behavior Genetics Association Meeting, Oslo, Norway. BEHAVIOR GENETICS 47 (6), 666-666.
 70. **Palmer RH**, ^{PD}Brick LA, Agrawal A, Keller MC, Heath AC, McGeary JE, Beirut L., Knopik VS. Multivariate Genetics Architecture of DSM-5 Alcohol Use Disorder. Presented at the 2017 Behavior Genetics Association Meeting, Oslo, Norway. BEHAVIOR GENETICS 47 (6), 645-645
 71. Micalizzi L, Marceau K, ^{PD}Brick L, **Palmer RH**, Todorov A, Heath AC, Evans A, Knopik V. A Sibling Comparison Study of Maternal Smoking During Pregnancy and Child Cognitive Functioning. Presented at the 2017 Behavior Genetics Association Meeting, Oslo, Norway. BEHAVIOR GENETICS 47 (6), 711-711.
 72. **Palmer RH**, Bidwell C, Heath A, ^{PD}Brick L, Madden P, V Knopik. Maternal smoking during pregnancy and offspring behavior I: a propensity score approach. Presented at the 2016 Behavior Genetics Association Meeting, Brisbane Australia. BEHAVIOR GENETICS 46 (6), 791-791.
 73. Knopik V, Bidwell C, **Palmer RH**, ^{PD}Brick L, P Madden, A Heath. Maternal smoking during pregnancy and offspring behavior II: a propensity score approach. Presented at the 2016 Behavior Genetics Association Meeting, Brisbane, Australia. BEHAVIOR GENETICS 46 (6), 790-791
 74. **Palmer RH**, ^{PD}Brick LA, Agrawal A, Keller MC, Heath AC, McGeary JE, Bierut LJ, Knopik VS. Multivariate Genetics Architecture of DSM-5 Alcohol Use Disorder. Presented at the 2016 Research Society on Alcoholism Meeting, New Orleans, LA. ALCOHOLISM-CLINICAL AND EXPERIMENTAL RESEARCH 40, 306A-306A.
 75. ^{PD}Brick LA, Knopik VS, Keller MC, **Palmer RH**. Investigating Shared Additive Genetic Variation for Alcohol Dependence Across Individuals of African and European Ancestry. Presented at the 2016 Research Society on Alcoholism Meeting, New Orleans, LA. ALCOHOLISM-CLINICAL AND EXPERIMENTAL RESEARCH 40, 43A-43A
 76. Pearson R, **Palmer RH**, ^{PD}Brick LA, McGeary JE, Knopik VS, Beevers CG. (2016) Additive genetic contribution to symptom dimensions in major depressive disorder. JOURNAL OF ABNORMAL PSYCHOLOGY 125 (4), 495
 77. Kudinova AY, Deak T, Hueston CM, McGeary JE, Knopik VS, **Palmer RH**, Gibb BE. (2016) Cross-species evidence for the role of interleukin-33 in depression risk. JOURNAL OF ABNORMAL PSYCHOLOGY 125 (4), 482
 78. Knopik V, Marceau K, Bidwell C, **Palmer RH**, Smith T, Heath A. Smoking during pregnancy and ADHD risk: a genetically-informed, multiple-rater approach. Presented at the 2015 Behavior Genetics Association Meeting, San Diego, CA. BEHAVIOR GENETICS 45 (6), 666-666.
 79. Marceau, **Palmer RH**, Neiderhiser J, Smith T, Knopik V. Passive gene-environment correlation or a developmental gene-environment cascade? Investigating mechanisms of the association of smoking during pregnancy and birth weight using a polygenic scoring

- approach. Presented at the 2015 Behavioral Genetics Association Meeting, San Diego, CA. BEHAVIOR GENETICS 45 (6), 671-672
80. **Palmer RH**, McGeary J, Heath A, Keller M, Knopik V. Validating the assumption of genetic homogeneity across DSM-IV indicators of alcohol dependence. Presented at the 2015 Behavior Genetics Association Meeting, San Diego, CA. BEHAVIOR GENETICS 45 (6), 678-678
 81. **Palmer RH**, Keller MC, Heath AC, McGeary JE, Knopik VS. Genetic Influences On Dsm-IV Indicators Of Alcohol Dependence: Evidence For A Common Genetic Liability. Presented at the 2015 Behavior Genetics Association Meeting, San Diego, CA. ALCOHOLISM: CLINICAL & EXPERIMENTAL RESEARCH 39, 247A
 82. Bidwell LC, **Palmer RH**, ^{PD}Brick L, Heath AC, Hutchison KE, Knopik VS. (2015) A Propensity Scoring Approach To Characterizing The Effects Of Maternal Smoking During Pregnancy On Initial Responses To Tobacco And Alcohol In Adolescents. ALCOHOLISM: CLINICAL & EXPERIMENTAL RESEARCH 39
 83. ^{PD}Brick LAD, Knopik VS, Velicer WF, **Palmer RH**. Genome-Wide Complex Trait Analysis of Shared Genetic Effects between Brain Electrophysiology Measures and Alcohol Dependence. Presented at the 2015 Modern Methods Modeling Conference, University of Connecticut, Storrs, CT. MULTIVARIATE BEHAVIORAL RESEARCH 50 (1), 129-130.
 84. Kudinova AY, Hueston C, Deak T, McGeary JE, Knopik VS, **Palmer RH**, Gibb BE (2014) Early Life Stress, Pro-Inflamamatory Cytokines, and Depression, Preliminary Evidence for A Gene x Environment Model of Risk. PSYCHOPHYSIOLOGY 51, S59-S59
 85. Owens M, Harrison AJ, Burkhouse KL, McGeary JE, Knopik VS, **Palmer RH**, Gibb BE. Eye-tracking indices of attentional bias in children of depressed mothers: Polygenic influences help to clarify previous mixed findings. In B.E. Gibb (Chair) Biomarkers of risk in children of depressed mothers. Presented at the 2014 symposium of the Society for Psychophysiological Research, Atlanta, GA. PSYCHOPHYSIOLOGY 51, S4-S4.
 86. Bidwell LC, McGeary J, Gray J, **Palmer RH**, Knopik VS, MacKillop J. (2014) NCAM1-TTC12-ANKK1-DRD2 polymorphisms and smoking motives as intermediate phenotypes for nicotine dependence. Paper presented at the 2014 Behavior Genetics Association Meeting, Charlottesville, VA. BEHAVIOR GENETICS 44 (6), 649-649
 87. **Palmer RH**, Brick L, Nugent N, Bidwell C, McGeary J, Knopik VS, Keller M. Common Genetic Variants Have Generalized Influences on Substance Dependence. Paper presented at the 2014 Behavior Genetics Association Meeting, Charlottesville, VA. BEHAVIOR GENETICS 44 (6), 675-676
 88. **Palmer RH**, ^{PD}Brick L, Knopik V. Genomewide Genetic And GxE Effects On The Liability To Alcohol And Tobacco And Illicit Drug Dependence. Presented at the 2014 Research Society on Alcoholism Meeting, Bellevue, WA. ALCOHOLISM: CLINICAL & EXPERIMENTAL RESEARCH 38, 221A
 89. Stone LB, McGeary JE, **Palmer RH**, Gibb BE. (2014) Identifying genetic predictors of depression risk: 5-HTTLPR and BDNF Val66Met polymorphisms are associated with rumination and co-rumination in adolescents. FRONTIERS IN GENETICS 4, 246
 90. **Palmer RH**, Keller M, Heath AC, McGeary J, Knopik VS. Estimation of Genetic Covariance Among DSM-IV Symptoms of Alcohol Dependence. Oral presentation at the 2013 World Congress of Psychiatric Genetics Meeting, Boston, MA.
 91. Smith TF, **Palmer RH**, Knopik VS, Anastopoulos AD, Garrett ME, Ashley-Koch A, & the IMAGE Consortium. Angiogenic, neurotrophic and inflammatory system SNPs moderate the association between birth weight and ADHD. Oral presentation at the 2013

- Behavioral Genetics Association Meeting, Marseille, France. BEHAVIOR GENETICS 43 (6), 542-542
92. Knopik VS, Smith TF, **Palmer RH**. Genes, maternal smoking during pregnancy and child internalizing problems: An investigation using ALSPAC. Oral presentation presented at the 2013 Behavioral Genetics Association Meeting, Marseilles, France. BEHAVIOR GENETICS 43 (6), 526-526
 93. **Palmer RH**, Bidwell LC, Nugent NR, Bucholz KK, Madden PA, Heath AC, Knopik VS. Initial subjective response to alcohol: relationships to comorbid psychopathology and effects on future alcohol use and dependence. Paper presented at the 2013 Research Society on Alcoholism Meeting, Orlando, FL. ALCOHOLISM: CLINICAL & EXPERIMENTAL RESEARCH 37
 94. **Palmer RH**, Keller MR, Heath AC, McGeary JE, Knopik VS. Estimation of the genetic covariance among DSM-IV symptoms of alcohol dependence. Poster presented at the 2013 Behavior Genetics Association Meeting, Marseilles, France. BEHAVIOR GENETICS 43 (6), 535-535
 95. **Palmer RH**, Bidwell LC, Heath AC, Madden PAF, Bucholz K, McGeary J, Knopik VS. (2012). The Role of Conduct Disorder in Explaining the Common Genetic Influences on Initial Sensitivity to Alcohol and Tobacco. Presented at the 2012 Behavior Genetics Association Meeting, Edinburgh, Scotland. BEHAVIOR GENETICS 42 (6), 958-958.
 96. Bidwell LC, **Palmer RH**, Heath AC, Madden PAF, Bucholz K, McGeary J, Kollins SH, Knopik VS. ADHD, Conduct Disorder, and Initial Physiological Reactions to cigarettes and alcohol in female adolescents: Evidence for the link between ADHD and risk for tobacco use. Poster presented at the 2012 College on Problems of Drug Dependence Meeting, Palm Springs, California.
 97. McGeary JE, Knopik VS, Hayes JE, **Palmer RH**, Monti PM, Kalman D (2012) Predictors of relapse in a bupropion trial for smoking cessation in recently-abstinent alcoholics: preliminary results using an aggregate genetic risk score. SUBSTANCE ABUSE: RESEARCH AND TREATMENT 6, SART. S8866
 98. Bidwell LC, **Palmer RH**, Heath AC, Madden PAF, Bucholz K, McGeary J, Knopik VS. Common and specific genetic effects on ADHD and Initial Sensitivity to Cigarettes in Female Adolescent Twins. Poster presented at the 2012 Behavior Genetics Association Meeting, Edinburgh, Scotland. BEHAVIOR GENETICS 42 (6), 920-920
 99. **Palmer RH**, Francazio S, McGeary J, Knopik VS. Systems Genetics of Addiction: A Conceptual Approach Using Alcohol Dependence as an Example. Presented at the 2011 Behavior Genetics Association Meeting, Newport, RI. BEHAVIOR GENETICS 41 (6), 930-930
 100. **Palmer RH**, Young SE, Stallings MC, Corley RP, Hopfer CJ, Knopik CS, Hewitt JK. Genetics of the Associations between Adolescent Indicators of Behavioral Disinhibition and Young Adult Measures of Alcohol, Tobacco and Other Substance Use Disorders. Presented at the 2011 Behavior Genetics Association Meeting, Newport, RI. BEHAVIOR GENETICS 41 (6), 930-930.
 101. **Palmer RH**, Button TMM, Corley RC, Hopfer CJ, Stallings MC, Hewitt JK. Common Genetic Influences on Vulnerability to Drug Dependence from Adolescence to Young Adulthood. Presented at the 2011 Behavior Genetics Association Meeting, Newport, RI. BEHAVIOR GENETICS 41 (6), 929-930
 102. **Palmer RH**, Button TMM, Corley RP, Stallings MC, Young SE, Hopfer CJ, Crowley TJ, Hewitt JK. Developmental etiology of alcohol, tobacco, and cannabis dependence from

adolescence to young adulthood. Presented at the 2009 Behavior Genetics Association Meeting, Minneapolis, MN. BEHAVIOR GENETICS Vol. 39 No. 6. pp 674.

103. **Palmer, RH**, Corley, RP, Hopfer, CJ, Stallings, MC, Young, SE, Crowley, TJ, Hewitt, JK. Disentangling the Genetic and Environmental Vulnerabilities Underpinning the Risk of Substance Involvement in Young Adulthood: A Classical Twin Design. Presented at the 2008 Behavior Genetics Association Meeting, Louisville, KY. BEHAVIOR GENETICS Vol. 38 No. 6 pp 642.
104. Hahn ME, **Palmer RH**, Schanz N, Symanski K, Tobon K. Individual Differences in Mouse Maternal Retrieval: The Roles of Genotype, Apparatus and an Anxiolytic Agent. Presented at the 2005 Behavior Genetics Association Meeting, Hollywood, CA. BEHAVIOR GENETICS Vol. 35 No. 6 pp 803 – 804.

TEACHING

Courses developed and taught (notations: ^G – grad, ^U – undergrad course):

Emory University College of Arts & Sciences

2023

1. ^G **Fall: PSYCH 180: Research in College Drug Use.** Intensive hands-on research methods course for undergraduates. Students review and present on topics related to factors associated with risk and prevention of drug and alcohol use during college. Students also conduct research using de-identified data from the MAPme Project at Emory University.

Cold Spring Harbor Laboratories

2023

1. **August: Neuroscience of Addiction Workshop.** A weeklong special topics course on the neural basis of substance addiction delivered by faculty from different specialties. Topics include genetics, behavioral neuroscience studies of reward and punishment, clinical studies of motivation and reward dependent learning, etc..

Jackson Laboratories

2023

2. **Planned October: Addiction Genetics Workshop.** A 4-day special topics course on the utility of human and animal models of addiction with a genetics and –omics perspectives. Topics taught by me included Human Addiction Genetics, Cross-Species Data Integration, Practical on Human GWAS, and Practical on Cross-Species Data Integration.

University of Colorado at Boulder, Institute for Behavior Genetics

2023

3. **March: International Statistical Genetics Workshop.** A weeklong special topics course focused on applied statistical methods using whole genome analysis tools. Topics include genomewide association analysis, genetic structural equation modeling, Mendelian randomization, to name a few.

Emory University College of Arts & Sciences

2021

2. ^G **Fall: GRAD 700R/BSHES 797: Training in Advanced Data Analytics: Genes and Environment Interplay.** A special topics module focused on introducing graduate students

to Big Data methods involving whole genome and epigenome data. Topics include theoretical underpinning of population and psychiatric genomics, ethical considerations, and gene-environment interplay with an eye towards to translational methods.

3. ^U **Fall: PSYCH 499: Independent Research.** Oversee new and evolving research studies of three undergraduates (Mr. Javier Losada, Ms. Margaret Chen, Ms. Jamaica Hurston).
4. ^U **Spring: Psychology Honors Thesis:** Ms. Samantha Cassidy: Disentangling the Association between Personality Traits and Cannabis Use and Disorder.

2020

5. ^U **Fall: PSYCH 223: Drugs & Behavior (two sections).** An online breadth course that introduces students to the pharmacological mechanisms of drug action, as well as the sociodemographic, genetic, and behavioral correlates of drug addiction.
6. ^U **Fall: PSYCH 499: Independent Research.** Oversee new and evolving research of six undergraduates (Ms. Samantha Cassidy, Ms. Emerald Yuan, Ms. Anjali Agarwal, Ms. Ayushi Agarwal, Ms. Maia Amellio, and Mr. Sri Ponnazhagan).
7. ^U **Fall: Psychology Honors Thesis:** Ms. Samantha Cassidy: Disentangling the Association between Personality Traits and Cannabis Use and Disorder.
8. ^U **Spring: PSYCH 180: Research in College Drug Use.** Intensive hands-on research methods course for undergraduates. Students review and present on topics related to factors associated with risk and prevention of drug and alcohol use during college. Students also conduct research using de-identified data from the MAPme Project at Emory University.
9. ^U **Spring: PSYCH 499: Independent Research.** Oversee research of four undergraduates (Ms. Anjali Agarwal, Ms. Ayushi Agarwal, Ms. Maia Amellio, and Mr. Sri Ponnazhagan).
10. ^U **Spring: Biology Honors Thesis:** Mr. Nikhil Ramgiri: Cross-Species Polygenic Prediction of Human Tobacco/Nicotine Consumption.

2019

1. ^U **Fall: PSYCH 223: Drugs & Behavior.** Developed my own take on this existing course in the college. This breadth course introduces students to the pharmacological mechanisms of drug action, as well as the sociodemographic, genetic, and behavioral correlates of drug addiction.
2. ^U **Fall: PSYCH 499: Independent Research.** Oversee research of four undergraduates (Ms. Caroline Catherman, Ms. Samantha Cassidy, Mr. Sri Ponnazhagan, and Ms. Ayushi Agarwal).
3. ^U **Fall: Biology Honors Thesis:** Mr. Nikhil Ramgiri: Partitioned Polygenic Prediction of Nicotine Consumption Indices.
4. ^G **Spring: PSYCH 720: Behavioral Effects of Drugs: Biological Bases.** Revamped version of the 2017 course. Utilized active learning techniques to teach addiction epidemiology and genetics. Students were introduced to the pharmacological mechanisms of drug action, before conducting a deep dive of the literature in order to test and interpret a hypothesis using real data from the MAPme Project.
5. ^U **Spring: NBB Honors Thesis:** Ms. Victoria Risner: Borrowed Prediction Accuracy: Polygenic Prediction of Nicotine Dependence.
6. ^U **Fall 2018 – Spring 2019: Bio 499: Independent Research.** Oversee research of an undergraduate (Mr. Nikhil Ramgiri).

2018

1. ^U **Fall: PSYCH 323: Drugs & Behavior.** Developed my own take on this existing course in the college. This breadth course introduces students to the pharmacological mechanisms of drug action, as well as the sociodemographic, genetic, and behavioral correlates of drug addiction.
2. ^U **Fall: PSYCH 499: Independent Research.** Oversee research of an undergraduate (Ms. Pamela Romero).
3. ^U **Spring: PSYCH 190: Research in College Drug Use.** I developed this Freshman Seminar course to promote the engagement of undergraduate students in social science and substance use research on campus. Students learn about the basics of the addiction process, addiction epidemiology in college populations, current intervention/prevention strategies. Students learn basic statistical methods that they use to analyze de-identified data collected from Emory students and present at research colloquium open to the entire campus. I received a Faculty Innovative Teaching Award from Emory's Center for Faculty Development and Excellence for the design of this course.
4. ^U **Spring: PSYCH 385/NBB 370 [co-taught with Dr. Irwin Waldman]:** Genetics of Human Behavior. I developed this lecture course to introduce students to the field of behavioral genetics and the methods used to study Mendelian and complex behavioral traits/disorders. Students learn about the basics of genetics and quantitative and molecular genetic approaches before conducting a detailed analysis and description of the state-of-the-science of major health and psychological illnesses.
5. ^U **Spring: PSYCH 499: Independent Research.** Oversee research of three undergraduates (Mr. Andrew Boateng, Ms. Maddy Gordon, and Mr. Raekwon Malik Williams).

2017

1. ^G **Fall: PSYC 770R: Data Wrangling and Visualization using R.** This course introduces students to programming in R, regression analysis and assumption testing, graphing, and data simulation.
2. ^U **Fall: PSYCH 499: Independent Research.** Oversee research of an undergraduate: Mr. Andrew Boateng-Poku – Social Support in African American Drug Use
3. ^U **Spring: PSYC 720: Behavioral Effects of Drugs [co-taught with Dr. Darryl Neil].** This course introduces graduate students to the neuroscience of drug action, genetics of substance addiction, epidemiology of drug addiction, and clinical therapies.

2016

1. No courses taught (per negotiated course release).

Alpert Medical School of Brown University

1. ^U **Spring - Summer 2016:** Statistical training for fellows in data management, statistical programming, and statistical/computational genetics.

William Paterson University

2013

1. ^U Adjunct Professor. Course: Behavior Genetics. William Paterson University, Wayne NJ. Taught quantitative and statistical genetics theory and approaches to undergraduate students. Assisted in mouse laboratory experiment designs and project review. Mentored seniors interested in pursuing a post-graduate degree.

2005

1. ^U Teaching Assistant. Course: Human Biology. William Paterson University, Wayne, New Jersey. Professor: Dr. Martin Hahn

2004

1. ^U Teaching Assistant. Course: Human Biology. William Paterson University, Wayne, New Jersey. Professor: Dr. Martin Hahn. During the course of the semester, I managed the Thompson Interactive Learning hardware and software tools and designed in-class tests and review sessions for exams.

University of Colorado at Boulder

2007

1. ^U Teaching Assistant. Course: Psych 3102: Introduction to Behavior Genetics. [Instructor: Professor: Dr. Gregory Carey]. Assisted undergraduates to facilitate their understanding of behavioral genetic theories and methods used in studying Mendelian and quantitative traits. Designed and presented a lecture on mouse models of human disorders with complex genetics.

Guest Lectures

Emory College of Arts & Sciences

1. Mechanisms of Learning [Instructors – Dr. Bauer & Dr. Hampton] (Spring 2018; 2019)
2. Psych 190: Nature of Evidence [Instructor – Dr. Waldman] (Summer 2017; Fall 2018; Spring 2019)
3. Psych 541: Personality & Psychopathology [Instructor – Dr. E. Craighead] (Fall 2017; 2018; 2019; 2020; 2021)

Brown University

1. Guest Lecturer, Brown University Summer@Brown Course: Genetics. Taught by Dr. John McGeary. I designed and taught a lecture on the concept of genetic association: How Genes Relate to Behavior/Disease.

TEACHING GRANTS

Center for Faculty Development and Excellence (Emory University)

Course: PSYC 180: Research in College Drug Use

Role: Instructor of Record

Amount: \$3000

Funding Period: 05/19/17 – 05/10/18

PEDAGOGICAL & MENTORING TRAINING ACTIVITIES

Abbreviations: Association for Psychological Science Society for the Teaching of Psychology (APS-STP); Emory University Center for Faculty Development and Excellence (CFDE)

1. APS-STP – May 2022
2. Alan Alda Science Communication Work – May 2022
3. Atlanta Society of Mentors Faculty Mentoring Workshop Series (September – October 2021).
 - Mentoring Do's and Don'ts
 - Setting and Managing Expectations
 - Inclusive Mentoring Practices
 - Navigating Crucial Conversations
 - Graduate Student Professional Development
 - Fostering Wellness
4. Training in Advance Data Analytics to Reduce Substance Related Harms Mentor Training (March 2021)
 - Aligning Expectations Between Mentors and Mentees
 - Effective Communication
 - Assessing Mentees' Skills and Understanding of Science
 - Addressing Inequity and Inclusion and Mentoring Diverse Trainees
 - Managing Mentoring Teams
 - Evaluation of Mentoring Activities and Relationships
5. Southeastern Teaching of Psychology Conference (February 2021)
 - Intrinsically Motivating Students with Skill Development
 - From the Box Office to the Classroom: Using Films to Explore Psychological Concepts
 - Multimodal Active Learning Methods for Biological Psychology
 - A Storyteller's Approach to Teaching
 - Spoonful of Sugar, Helps the Learning Go Down
 - Course Flexibility and the Paradox of Choice
6. Emory College Online Teaching (July 2020 – by CFDE)
 - Using Films to Explore Psychological Concepts
 - Multimodal Active Learning Methods for Biological Psychology
 - Course Flexibility and the Paradox of Choice
 - A Toolbox to Enhance Student Resilience and Success
7. Testing Classroom spaces (June 2020 – by CFDE)
8. Summer Pedagogical Series (August 2019). Topics attended
 - Creating Engaging Online Discussion
 - Open Expression and Cultural Inclusion
 - Autism in the Classroom: Tools for Success
 - Recognizing, Relating to, and Referring Students in Distress
 - Engage and Connect with Students in Canvas
 - Understanding Teaching Observations and the Class Evaluation Process
 - Open Expression and Cultural Inclusion
9. Attended APS-STP 26th Annual Teaching institute: A Day-long program that provided practical teaching advice from experts on the teaching of psychology. Program located at: https://www.psychologicalscience.org/redesign/wp-content/uploads/2020/09/31ST-APS-ANNUAL_TeachingInstitute.pdf
10. Summer Pedagogical Series (August 2018). Topics attended:
 - Five Ways to Use Polling Tools in Your Classroom
 - What's Going On? Analyzing Classroom Conflicts
 - The Ins and Outs of Plagiarism: From Software to Assignments

- Scaffolding Writing Assignments for Student Researchers
- Five Ways to Use Polling Tools in Your Classroom

MENTORING (Research Education, Professional Development, Career Advising)

Emory University Faculty

1. Alexandra Cohen, PhD (2022-current) – Dr. Cohen is a junior faculty member at Emory university Psychology. I am co-mentor on her K01 application. We meet regularly to discuss her research and profession career plan and goals.

External Research Scientists

1. Emma Johnson, PhD (2021-current) – Dr. Johnson is a junior faculty member at Washington University in St. Louis. I am the co-mentor (alongside Dr. Arpana Agrawal) on her K01 application focused on using novel methods to understand the genetic association between cannabis and schizophrenia.

External Faculty Scientists

1. Erica Holiday, PhD (2021-current) – Dr. Holiday is an Assistant Professor of Psychology at Kennesaw State University in Kennesaw Georgia. I am her external mentor for research and professional development.

Postdoctoral Fellows

1. Wasiri Niemis, PhD (2022-current) – Dr. Niemis is studying molecular responses to substances of abuse and their ability to inform genetic studies of addiction. Her research focuses on multi-omic methods to enhance GWAS and treatment discoveries for addiction and bipolar disorder.
2. Chelsie Benca-Bachman, PhD (2017-2019; 2021-current) – Dr. Benca-Bachman is a fellow studying the intersection of executive functioning and addiction using human genetic models. In the interim of her fellowships, Dr. Benca-Bachman was the Associate Director of Research Projects in my laboratory. She is currently a visiting postdoc at Brown University where she is also developing her interests in sleep disorders while working with my collaborators, Drs. John McGeary and Mary Carskadon.
3. Whitney Barfield, PhD (2019-2021) – Dr. Barfield was a fellow in my lab who studies cross-ancestry genomic models and social determinants of health. Dr. Barfield is now the Program Lead for Diversity in Cancer Genomics at the National Cancer Institute.
4. Spencer Huggett, PhD (2019-2021) – Dr. Huggett was a fellow in my lab learning cross-species prediction analyses for and grant writing. He currently works for a Boston technology company. Dr. Huggett is also a consultant for the Behavioral Genetics of Addiction Laboratory.
5. Leslie A. Brick, PhD (2015-2016) – Dr. Brick is now a Research Assistant Professor in the Dept. of Psychiatry and Human Behavior at Brown University. She is also the Associate Director of the Quantitative Sciences Program.

External Postdoctoral Advisees

1. Emma Johnson, PhD (2019-2021) – Dr. Johnson was a postdoctoral trainee of collaborator Dr. Arpana Agrawal at Washington University. I am a co-mentor on her K01 application. Dr. Johnson is now a Research Assistant Professor at Washington University St. Louis.
2. Derrick Morton, PhD (2016-2018) – Dr. Morton, was an Emory FIRST postdoctoral fellow I provided assistance in grant writing to for his funded NIH LRP.

Graduate students*Brown University (Molecular Pharmacology & Physiology Graduate Program)*

1. Jamie Catalano (September 2021-August 2022; doctoral thesis committee member)

Emory University Department of Psychology

1. Emma Webster (July 2023-current)
2. Colette Delawalla (July 2022-current)
3. Ami Ikeda (July 2020-current)
 - MA thesis completed March 2022
 - Comprehensive exams completed January 2023
4. Natalia Jaume-Feliciosi (July 2020-current)
 - MA thesis completed March 2022
 - Comprehensive exams completed January 2023
5. Kathleen Martin (2018-current)
 - MA thesis completed April 2020
 - Comprehensive exams completed January 2021
6. Lauren Bertin (2017-2023)
 - PhD completed July 2023
 - MA thesis completed May 2019
 - Comprehensive exams completed March 2020

Emory University Rollins School of Public Health (Applied Practice Experience & Rollins Earn and Learn)

1. Vincente Cordero (Fall 2019-Fall 2020). Graduated in Spring 2021.
2. Haley Hershey (Summer 2019-Spring 2020); Graduated in Spring 2020. Currently an epidemiologist for the Metro Public health Department in Nashville Tennessee working on the Opioid/Overdose Response and Reduction Program.
3. Charmaine Scarlett (Summer 2019).

4. Yijin Xiang (Summer 2019-Spring-2020); graduated in Spring 2020. Currently a research specialist at Emory University School of Medicine. Starting in Summer 2023, Ms. Xiang will be a PhD student in Genetics at the University of South Carolina.

Georgia State University Public Health Program

1. Heather Zesiger (advised PhD statistical training for doctoral thesis)
 - PhD completed May 2018.
 - Dissertation Title 'Student Opioid Misuse in Higher Education'
 - Dr. Zesiger was the Senior Director of Student Engagement at Rollins School of Public Health at Emory University
 - Currently Higher Education COVID-19 Community of Practice (HECCOP) Project Director for the America College Health Association CDC grant.

Uniformed Armed Services University

1. Matthew Thompson (advised development of F31 application with collaborator Dr. Joshua Gray)

Undergraduate student mentoring

Current Students (includes non-Emory students affiliated with my lab)

1. Manju Karthikeyan (Summer 2023-current); research assistant to Dr. Niemis
2. Sharma, Vasudha (Summer 2023-current); research assistant to Dr. Niemis
3. Lydia Zindel (Summer 2022-current); research assistant to Ms. Colette Delawalla
4. Sarah Jung (Fall 2022-current); research assistant to Ms. Colette Delawalla
5. Sophia Gomez (Fall 2022-current); research assistant to Ms. Colette Delawalla
6. William Ma (Summer 2022-current); research assistant to Ms. Natalia Jaume-Feliciosi
7. Sanchi Subiah (Summer 2022-current); research assistant to Dr. Niemis
8. Amy Nguyen (Summer 2022-current); research assistant to Dr. Niemis
9. Chrisabella Javier (Summer 2022-current); research assistant to Dr. Niemis
10. Carla Aleman (Summer 2022-current): research assistant to Ms. Ami Ikeda
11. Angela Liu (Summer 2022-current): research assistant to Ms. Ami Ikeda
12. Haokun Cheng (Summer 2022-current): research assistant to Ms. Natalia Jaume-Feliciosi
13. Karen Guo (Spring 2022-current): research assistant to Ms. Natalia Jaume-Feliciosi
14. Page Dickey (Spring 2022-current): research assistant to Ms. Kathleen Martin
15. Alan Sherman (Fall 2021-current): research assistant to Ms. Natalia Jaume-Feliciosi
16. Anna Biglaiser (Spring 2021-current): MAPme Project Ambassador; research assistant to Ms. Ami Ikeda

Past Students

1. Emerald Yuan (Spring 2020-Summer 2022): Kinship Risk Score Project; research assistant to Dr. Spencer Huggett (Fall 2020-Spring 2021) and Ms. Ami Ikeda (Fall 2021-current)
2. Jamaica Hurston (Spring 2021-Summer 2022): MAPme Project Ambassador; research assistant to Ms. Natalia Jaume-Feliciosi. Working as a clinical research coordinator at the National Institute of Diabetes, Digestive, and Kidney Diseases in the Section on Ethnicity and Health
3. Catalina Ramos Nasser (Fall 2021-Spring 2022): MAPme Project Ambassador

4. Samantha Cassidy (Spring 2018–Summer 2022): Graduated Emory University with Highest Honors. MAPme Project Ambassador (Spring 2018–Spring 2021); research assistant to Ms. Kathleen Martin (Fall 2019); completed honors thesis project (Fall 2020–Spring 2021); Laboratory Assistant in BGA-Laboratory during gap year (Summer 2021–Summer 2022). Accepted into graduate school for Clinical Psychology PhD at Kent State University (Advisor: Dr. William Lechner) to start in Fall 2022
5. Margy Chen (Summer 2020–Spring 2022): MAPme Project Ambassador; research assistant to Ms. Kathleen Martin. Accepted into graduate school for Social Psychology PhD at the University of Colorado Boulder to start in Fall 2022
6. Priya Yadav (Spring 2021–Spring 2022): MAPme Project Ambassador
7. Matthew Gordon (Spring 2021–Spring 2022): Graduated Georgia State University. MAPme Project Ambassador (focus group study). Accepted into a PsyD program at Loyola University Maryland to start in Fall 2022
8. Javier Losada Radley (Summer 2020–Spring 2022): Graduated Emory University. MAPme Project Ambassador; research assistant to Ms. Kathleen Martin; Laboratory Assistant in BGA-Laboratory during gap semester
9. David Posada (Kennesaw State University; Spring 2021–Fall 2021): MAPme Project Ambassador at KSU in the laboratory of Dr. Erica Holiday
10. Charles Koduru (Kennesaw State University; Spring 2021–Fall 2021): MAPme Project Ambassador at KSU in the laboratory of Dr. Erica Holiday
11. Gabrielle Jones (Kennesaw State University; Spring 2021–Fall 2021): MAPme Project Ambassador at KSU in the laboratory of Dr. Erica Holiday
12. Srivatsan Ponnazhagan (Spring 2018–Spring 2021): Graduated Emory University. MAPme Project Ambassador; research assistant to Ms. Lauren Bertin. Accepted into the University of Alabama Birmingham School of Medicine, having started in Fall 2021
13. Ayushi Agarwal (Spring 2018–Spring 2021): Graduated Emory University. MAPme Project Ambassador. Currently working as a New Associate at CNN
14. Maia Amellio (renamed to Maia Choi) (Spring 2018–Summer 2021): Graduated Emory University. MAPme Project Ambassador; research assistant to Ms. Kathleen Martin. Laboratory Assistant for BGA-Laboratory during gap semester (Spring 2021–Summer 2021). Transferred to the Behavioral & Systems Neuroscience PhD program at Rutgers University (Advisor: Dr. Danielle Dick) (started Spring 2022) from the Developmental Psychology PhD program at Virginia Commonwealth University
15. Ronaldo Patino-Flores (Summer 2020–Spring 2021): Graduated University of Texas at Dallas. MAPme Project Ambassador (Kennesaw State University site). Mr. Flores was an undergraduate student from the University of Texas at Dallas who participated in the Emory Summer Undergraduate Research Experience (SURE) program over the summer and continued to volunteer during the 2020–2021 academic year. Working as a Research Data Associate for the NYU Grossman School of Medicine
16. Stephanie Velasco (Spring 2021–Summer 2021): MAPme Project Ambassador
17. Andrew Spencer (Spring 2020): MAPme Project Ambassador; research assistant to Dr. Whitney Barfield
18. Anjali Agarwal (Spring 2018–Fall 2020): Graduated Emory University. MAPme Project Ambassador. Accepted as a postgraduate student in Psychology at Deakin University in Melbourne, Australia
19. Keland Yip (Spring 2018–Fall 2020): Graduated Emory University. MAPme Project Ambassador. Medical Student at University of Washington School of Medicine.
20. Nikhil Ramgiri (Spring 2018–Spring 2020): Graduated Emory University with Highest Honors; currently in gap year while applying to medical school

21. Caroline Catherman (Spring 2018–Spring 2020): Graduated Emory University. Completed Master of Science Journalism Program as a Comer Scholar at Northwestern University. Currently working as a journalist at the Orlando Sentinel
22. Victoria Risner (Spring 2017-Summer 2020): Graduated Emory University with Highest Honors. Clinical Research Assistant in BGA-Laboratory during gap year. Started medical school at University of North Carolina Chapel Hill Fall 2020
23. Pamela Romero (Spring 2017-Spring 2018): Graduated Emory University. Accepted into the Behavioral, Psychiatric, and Statistical Genetics Program at the University of Colorado at Boulder (Advisors: Drs. Matthew Keller & Marissa Ehringer), having started Fall 2019
24. Andrew Boateng-Poku (Fall 2017-Spring 2018): Graduated Emory University. Political Data Consultant in Atlanta GA. Former Lab Manager for Dr. Aaron Heller at the University of Miami (<http://www.manateelab.org/people/>; 2018-2019)
25. Madeline Gordon (Fall 2017-Spring 2018): Graduated Emory University. Assistant Teacher at the Windward School (Manhattan campus). Started graduate school at the Ferkauf Graduate School of Psychology in Fall 2020.
26. Raekwon Malik-Williams (Spring 2017-Summer 2017): Graduated Emory University. Staff at Emory University's finance office. Accepted to Georgia State University Graduate School of Social Work (Fall 2020)
27. Jenani Srijevanthan (Fall 2017-Spring 2018): Graduated Emory University. I was a part-time data analyst in the laboratory. Currently Director of Policy and Marginalized Outreach for Georgia Network to End Assault in Atlanta, GA
28. Skyra Loche (Spring 2018-Fall 2019): Graduated Emory University. MAPme Project Ambassador. Pursing an MS in Clinical Mental Health Psychology at Mercer University
29. James Swanson (Spring 2018-Fall 2019): Graduated Emory University. MAPme Project Ambassador. Started medical school at the Loyola Chicago Stritch School of Medicine in Fall 2021
30. Hannah Weyland (Spring 2018-Fall 2018): MAPme Project Ambassador

Non-Student Volunteers

1. Karlye Phillips (Fall 2017- Spring 2018): Dataset Integration across all laboratory projects. Currently a project coordinator at the Atlanta VA medical center.

Graduate student committees

Faculty Advisory Committees (FAC): Lauren Bertin (Primary mentor: R. Palmer); Kathleen Martin (R. Palmer); Holly Poore (I. Waldman); Ryan Guest (E. Walker); Ami Ikeda (R. Palmer); Natalie Jaume (R. Palmer); Christopher King (I. Waldman); Chaela Nutor (P. Brennan); Alireza Ehteshami (I. Waldman), Colette Delawalla (R. Palmer), Jocelyn Stanfield (P. Brennan)

Master's Thesis Committees: Holly Poore (I. Waldman); Lauren Bertin (R. Palmer); Kathleen Martin (R. Palmer); Ryan Guest (E. Walker); Ami Ikeda (R. Palmer)

Dissertation Defense Committees: Jamie Catalano (J. McGeary), Joya Hampton (L. Craighead), Katrina Goines (E. Walker), Brooke McKenna

(P. Brennan), Roberto Espana (E. Walker), Lucy Cronin-Golomb (P. Bauer)

Comprehensive Exam Committees: Holly Poore (I. Waldman); Jennifer Merritt (D. Maney); Roberto Espana (E. Walker); Yaxin Liu (S. Lourenco); Chaela Nutor (P. Brennan)

Honors graduate committees

Honors Thesis Committees: Page Dickey (In progress)
Samantha Cassidy (Spring 2021, received highest honors)
Nikhil Ramgiri (Spring 2020, received highest honors)
Victoria Risner (Spring 2019, received highest honors)

MENTORED RESEARCH SUPPORT (as mentor/co-mentor)

National Institute of Mental Health:

Dissertation Grant (R36MH1367011)

Title: Prenatal Cannabis: Effects on Developmental Milestones, Disinhibition, and Substance Initiation

Role: Primary Mentor (PI: Ikeda)

Funding Period: 04/24 – 03/26

SERVICE

(Notations for service areas at Emory University: ^c – college, ^d – department, ^u – university):

Fall 2023

1. ^u Member of the Alcohol and Other Drugs (AOD) Policy Committee: Emory's Biennial Review Committee
2. ^{d, u} Training in Advanced Data Analytics Executive Committee (Clinical Psychology Representative)
3. ^d High-Throughout computing support to department of psychology faculty labs, courses, and students

Summer 2022 – Summer 2023

1. ^c Ex Officio member of the Working Group on Practices and Policies for Evaluation of Teaching (PPET)
2. ^{d, u} Training in Advanced Data Analytics Executive Committee (Clinical Psychology Representative)
3. ^d High-Throughout computing support to department of psychology faculty labs, courses, and students

Fall 2021 – Spring 2022

4. ^c Undergraduate BIO 120 student interview regarding Brick et al. 2021 in Addiction.
5. ^u Laney Graduate School Honors Code Committee Member
6. ^c Ex Officio member of the Working Group on Practices and Policies for Evaluation of Teaching (PPET)

7. ^{D, U} Training in Advanced Data Analytics Executive Committee (Clinical Psychology Representative)
8. ^D High-Throughput computing support to department of psychology faculty labs, courses, and students
9. ^D Department cluster hire search committee
10. ^{C, D, U} Campus-wide (Emory & Oxford) MAPme Project: Research & Health Education Outreach Program; Seminar Invited Speaker: Dr. Anisah Bagasrah (Kennesaw State University)
11. ^D Undergraduate Psychology Major Advising
12. ^C Undeclared Undergraduate Advising

Summer 2021

1. ^C Ex Officio member of the Working Group on Practices and Policies for Evaluation of Teaching (PPET)
2. ^{D, U} Training in Advanced Data Analytics Executive Committee (Clinical Psychology Representative)

Spring 2021 (during sabbatical)

1. ^C College Faculty Senate
2. ^C Faculty Governance: Emory College Senate Executive Committee member
3. ^C Ex Officio member of the Working Group on Practices and Policies for Evaluation of Teaching (PPET)
4. ^D High-Throughput computing support to department of psychology faculty labs and students
5. ^{C, D, U} Campus-wide (Emory & Oxford) MAPme Project: Research & Health Education Outreach Program; Seminar Invited Speaker: Dr. Jinni Su (Arizona State University)

Fall 2020

4. ^C College Faculty Senate
5. ^U Co-Chair of the Alcohol and Other Drugs (AOD) Policy Committee: Emory's Biennial Review Committee
6. ^C Faculty Governance: Emory College Senate Executive Committee member
7. ^C Ex Officio member of the Working Group on Practices and Policies for Evaluation of Teaching (PPET)
8. ^D High-Throughput computing support to department of psychology faculty labs and students
9. ^{C, D} Campus-wide (Emory & Oxford) MAPme Project: Research & Health Education Outreach Program; MAPme 2020 Spring Webinar. Invited speaker, Dr. Tamika Zapolski (Indiana University).
10. ^D Undergraduate Psychology Major Advising
11. ^C Undeclared Undergraduate Advising

Summer 2020

1. ^{C, U} Shared Governance Task Force: Advisory Committee to the Dean of ECAS during COVID-19
2. ^C College Senate
3. ^U Co-Chair of the Alcohol and Other Drugs (AOD) Policy Committee: Emory's Biennial Review Committee

Fall 2019 – Spring 2020

1. ^C College Faculty Senate
2. ^{C, D} Campus-wide (Emory & Oxford) MAPme Project: Research & Health Education Outreach Program; MAPme 2020 Spring Webinar and PSYC-180 Poster Session. Invited speaker, Dr. Danielle Dick; seminar video: https://drive.google.com/file/d/1ogxTiMCVKR5_n7wgWDfwdgwfsjvz1k5l/view.
3. Co-Chair of the Alcohol and Other Drugs (AOD) Policy Committee: Emory's Biennial Review Committee
4. ^C Faculty Governance: Emory College Senate Executive Committee member
5. ^U Learning about Laney: Preview Visitation at Emory University – Faculty Representative for Psychology Program
6. ^C Undergraduate Stem Pathways luncheon and faculty panel discussant
7. ^{C, D, U} NIH Loan Repayment Program Ambassador to Postdoctoral students and junior faculty
8. ^D High-Throughput computing support to department of psychology faculty labs and students
9. ^D Planning, advice, and strategies to promote engagement for the Psychology Graduate Committee on Diversity
10. ^{C, D} Senate Liaison to the Departments of Psychology and Neuroscience and Behavioral Biology
11. ^D Undergraduate Psychology Major Advising
12. ^C Undeclared Undergraduate Advising

Summer 2019

1. ^U Co-Chair of the Alcohol and Other Drugs (AOD) Policy Committee: Emory's Biennial Review Committee

Fall 2018 – Spring 2019

1. ^C Student Alliance of Health Involvement (SAHI) Film Night Panel Discussant. Title: GATTACA: An Ethical Discussion
2. ^{C, D, U} Campus-wide (Emory & Oxford) MAPme Project: Research & Health Education Outreach Program
3. ^C Faculty Governance: Emory College Senate Executive Committee member; Department of Psychology liaison.
4. ^U Co-Chair of the Alcohol and Other Drugs (AOD) Policy Committee: Emory's Biennial Review Committee
5. ^C Emory College Faculty Science Council Member
6. ^D Interim chair of the department of Psychology Technology and Website Committee
7. ^D Cognitive Science Faculty Search Committee
8. ^D High-Throughput computing support to department of psychology faculty labs and students
9. ^{C, D} Core Participant in Dr. Lynne Nygaard's (PI) National Science Foundation (NSF) Research Traineeship training grant), *NRT-HDR: Harnessing the data revolution for a new science of diversity* (pending funding).
10. ^D Participation in Department Vision Statement meeting with department chair (Dr. Brennan)
11. ^{C, D, U} NIH Loan Repayment Program Ambassador to Postdoctoral students and junior faculty
12. ^D Undergraduate Psychology Major Advising
13. ^C Undeclared Undergraduate Advising

Fall 2017 – Spring 2018

1. ^C University Honor Council Faculty
2. ^U Burroughs Wellcome Fund – Grant Committee Member
3. ^C Undergraduate Research Program: Social Sciences Review Committee Member
4. ^D Neuroscience and Animal Behavior Program Faculty Search Committee
5. ^U Co-Convener of the Alcohol and Other Drugs (AOD) Policy Committee: Emory's Biennial Review Committee
6. ^U Facilitated NIH LRP Program Director's (Dr. Ericka Boone) visit to Emory University School of Medicine.
7. ^U Emory College Faculty Science Council Member
8. ^D High-Throughput computing support to department of psychology faculty labs and students
9. ^D Core Faculty in the renewal of the Mechanism of Learning NIH T32. Dr. Patricia Bauer (PI) 2T32HD071845-06 Mechanisms of Learning Across Development and Species https://projectreporter.nih.gov/project_info_details.cfm?aid=9489961&icde=44273291.
10. ^{C, D, U} NIH Loan Repayment Program Ambassador to Postdoctoral students and junior faculty
11. ^C Program in Neuroscience and Behavioral Biology, Faculty
12. ^D Organized the 9th Annual Psychology Research Festival
13. ^D Undergraduate Psychology Major Advising
14. ^C Undeclared Undergraduate Advising

Fall 2016 – Spring 2017

1. ^C Emory University Honor Council
2. ^C Office of Health Promotion Search Committee for a Public Health Addiction Specialist
3. ^D Vision Committee member (Chair: Dr. Phil Wolff)
4. ^{C, D, U} NIH Loan Repayment Program Ambassador to Postdoctoral students and junior faculty
5. ^D Undergraduate Psychology Major Advising
6. ^C Undeclared Undergraduate Advising