

Alexis E. Duncan, MPH, PhD

Brown School, Washington University in St. Louis
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Born: March 26, 1972, Baltimore, MD

EDUCATION

- 2009 NIH Postdoctoral fellowship in Psychiatric Epidemiology and Behavior Genetics, Washington University School of Medicine, St. Louis, MO
- 2006 Ph.D., Public Health Studies, Epidemiology concentration, School of Public Health, St. Louis, MO
Dissertation Title: “Nosology and Comorbidity in Eating Disorders”
Dissertation Committee: Dr. William True (chair), Dr. Kathleen Bucholz, Dr. John Fu
- 2002 M.P.H., Epidemiology concentration, Saint Louis University, School of Public Health, St. Louis, MO
- 1995 M.M., Voice and Opera Performance, Northwestern University, Evanston, IL
- 1994 B.M., Voice and Opera Performance, Northwestern University, Evanston, IL

ACADEMIC POSITIONS/EMPLOYMENT

- 2010 – present Assistant Professor (primary), Brown School, Washington University
Assistant Professor, Department of Psychiatry, Washington University School of Medicine
Faculty Scholar, Institute for Public Health
Faculty Affiliate, Center for Violence and Injury Prevention
Faculty Affiliate, Midwest Alcoholism Research Center
- 2009 – 2010 Research Instructor, Department of Psychiatry, Washington University School of Medicine
- 2009 – 2010 Adjunct Instructor, Brown School, Washington University
- 2007 – 2010 Adjunct Assistant Professor of Community Health, Saint Louis University School of Public Health
- 2006 – 2009 Postdoctoral Research Scholar, Department of Psychiatry, Washington University School of Medicine
- 2003-2006 Rater II, Washington University School of Medicine, Department of Psychiatry
- 2000-2003 Graduate Assistant, Saint Louis University School of Public Health
- Summer 2001 MPH Intern, Washington University School of Medicine, Department of Psychiatry

HONORS AND AWARDS

2016	Excellence in MPH Advising Award
2011	The Obesity Society Pat Simons Travel Award
2010	Certificate of Recognition for Excellence in Teaching, George Warren Brown School of Social Work, Washington University
2007-2010	NIH Clinical Research Loan Repayment Award
2007 & 2008	Research Society on Alcoholism Junior Investigator Award
2003, 2005 & 2006	Research Society on Alcoholism Student Merit Award
2004	Mary Gumble Levy Award for Excellence in Teaching, Research and Leadership, School of Public Health, Saint Louis University
2003	Samuel Guze Symposium on Alcoholism Meeting Award
2002	Induction into the Delta Omega Honorary Society in Public Health

PUBLICATIONS

Peer-reviewed Journal Articles

As of 5/17/16:

Google Scholar H-index: 19

Total citations: 4773

Articles marked with a + symbol are those on which I am "senior author" and often the corresponding author as well. On these articles, the first author was a trainee under my supervision.

* denotes student or postdoctoral trainee co-author working under my direction.

** denotes student or postdoctoral trainee co-author working under the direction of another co-author

Manuscripts in Print

1. **Duncan, A.**, Neuman, R., Hesselbrock, V., Kramer, J., Kuperman, S., Reich, T., and Bucholz K. (2005) Are there subgroups of bulimia nervosa based on psychiatric comorbidity? *International Journal of Eating Disorders*, 37, 19-25.
2. **Duncan, A.**, Scherrer, J., Fu, Q., Bucholz, K., Heath, A. True, W., Haber, R., Howell, D. and Jacob, T. (2006). Exposure to Paternal Alcoholism Does Not Predict Development of Alcohol Use Disorders in Offspring. *Journal of Studies on Alcohol*, 67, 649-656.
3. **Duncan, A.**, Neuman, R., Hesselbrock, V, Kramer, J., Kuperman, S., and Bucholz K. (2006) Lifetime psychiatric comorbidity of bulimia nervosa and alcohol dependence in women. *Drug and Alcohol Dependence*, 84(1), 122-132.

4. Agrawal, A., Grant, J.D., Waldron, M., **Duncan, A.E.**, Scherrer, J.F., Lynskey, M.T., Madden, P.A., Bucholz, K.K., Heath, A.C. (2006) Risk for Initiation of Substance Use as a Function of Age of Onset of Cigarette, Alcohol and Cannabis Use: Findings in a Midwestern Female Twin Cohort. *Preventive Medicine*, 43(2), 125-128.
5. **Duncan, A.**, Bucholz K., Agrawal, A, Neuman, R., Madden, P, Heath, A. (2007) Clustering of eating disorder symptoms in a general population female twin sample: A latent class analysis. *Psychological Medicine*, 37(8), 1097-1108.
6. **Duncan, A.E.**, Sartor, C.E., Scherrer, J.F., Grant, J.D., Heath, A.C., Nelson, E.C., Jacob, T., and Bucholz, K.K. (2008). The association between cannabis abuse and dependence and childhood physical and sexual abuse: Evidence from an offspring of twins design. *Addiction*, 103(6):990-997. PMID: PMC2653098
7. Sartor, C.E., Xian, H., Scherrer, J., Lynskey, M.T., **Duncan, A.E.**, Haber, J.R., Bucholz, K.K., and Jacob, T. (2008). Psychiatric and familial predictors of transition times between smoking stages: Results from an Offspring-of-Twins Study. *Addictive Behaviors*, 33(2), 235-251. PMID: PMC2572299
8. Scherrer, J., Grant, J., **Duncan, A.**, Pan, H., Waterman, B., Jacob, T., True, W., Heath, A., Bucholz, K. (2008). Measured environmental contributions to cannabis abuse/dependence in an offspring of twins design. *Addictive Behaviors*. 33(10), 1255-1266. PMID: PMC2633646
9. Sartor, C.E., Agrawal, A., McCutcheon, V., **Duncan, A.E.**, & Lynskey, M.T. (2008) Disentangling the complex association between childhood sexual abuse and alcohol-related problems: A review of methodological issues and approaches. *Journal of Studies on Alcohol and Drugs*, 69(5), 718-727. PMID: PMC2575394
10. **Duncan, A.E.**, Grant, J.D., Bucholz, K.K., Madden, P.A.F., and Heath, A.C. (2009). The relationship between BMI and alcohol use and misuse in a young adult female twin sample. *Journal of Studies on Alcohol and Drugs*, 70(3):458-66. PMID: PMC2670751
11. **Turnbaugh, P.J., Hamady, M., Yatsuneko, T., Cantarel, B.L., **Duncan, A.E.**, Ley, R.E., Sogin, M.L., Jones, W.J., Roe, B.A., Affourtit, J.P., Egholm, M., Henrissat, B., Heath, A.C., Knight, R., Gordon, J.I. (2009) A core gut microbiome in obese and lean twins. *Nature*, 457(7228), 480-484. PMID: PMC2677729
12. **Duncan A.E.**, Agrawal, A., Grant, J.D., Bucholz, K.K., Madden, P.A.F., and Heath A.C. (2009) Genetic and environmental contributions to BMI in adolescent and young adult African-American and European-American women. *Obesity*, 17(5):1040-3. PMID: PMC2674142
13. Scherrer, J.F., Grant, J.D., **Duncan, A.E.**, Sartor, C.E., Haber, J.R., Jacob, T., Bucholz, K.K. (2009) Subjective Effects to Cannabis are Associated with Use, Abuse and Dependence after Adjusting for Genetic and Environmental Influence. *Drug and Alcohol Dependence*, 105(1-2):76-82. PMID: PMC3633518
14. Haber, JR., Bucholz, K.K, Jacob, T. Grant, J.D., Scherrer, J.F., Sartor, C.E., **Duncan, A.E.**, Heath, A.C. (2010) Effect of paternal alcohol and drug dependence on offspring conduct disorder: Gene-environment interplay. *Journal of Studies on Alcohol and Drugs*, 71(5):652-63. PMID: PMC2930057
15. Agrawal, A., Scherrer, J., Grant, J.D., **Duncan, A.E.**, Sartor, C., Madden, P.A.F., Pergadia, M., Haber, J.R., Jacob, T., Bucholz, K.K., Xian, H. (2010). The Effects of Maternal Smoking During Pregnancy on Offspring Outcomes. *Preventive Medicine*, 50(1-2): 13-18. PMID: PMC2813884

16. **Duncan, A.E.**, Lessov-Schlaggar, H., Pergadia, M.L., Nelson, E.C., Madden, P.A.F., Heath, A.C. (2010). Body Mass Index and smoking in young women. *Addictive Behaviors*, 35(11):983-8. PMID: PMC3071024
17. **Sartor, C.E., McCutcheon, V.V., Pommer, N.E., Nelson, E.C., **Duncan, A.E.**, Waldron, M., Pergadia, M.L., Bucholz, K.K., Madden, P.A.F., Heath, A.C. (2010). Post-traumatic Stress Disorder and Alcohol Dependence in Young Women. *Journal of Studies on Alcohol and Drugs*. 71(6):810-818. PMID: PMC2965479
18. **Liu, J.Z., Medland, S.E., Wright, M.J., Henders, A.K., Heath, A.C., Madden, P.A.F., **Duncan, A.E.**, Montgomery, G.W., Martin, N.G., McRae, A.F. (2010) Genome-wide association study of height and body mass index in Australian twin families. *Twin Research and Human Genetics*, 13(2): 179-193. PMID: PMC3232006
19. **Sartor, C.E., McCutcheon, V.V., Pommer, N.E., Nelson, E.C., Grant, J.D., **Duncan, A.E.**, Waldron, M., Bucholz, K.K., Madden, P.A.F., Heath, A.C. (2011). Common Genetic and Environmental Contributions to Post-traumatic Stress Disorder and Alcohol Dependence in Young Women. *Psychological Medicine*. 41(7): 1497-1505. PMID: PMC3377473
20. Kristjansson, S.D., Pergadia, M.L., Agrawal, A., Lessov-Schlaggar, C.N., McCarthy, D.M., Piasecki, T.M., **Duncan, A.E.**, Bucholz, K.K., Madden, P.A.F., Sher, K.J., Heath, A.C. (2011) Smoking Outcome Expectancies in Young Adult Female Smokers: Individual Differences and Associations with Nicotine Dependence in a Genetically-informative Sample. *Drug and Alcohol Dependence*, 116(1-3):37-44. PMID: PMC3105190
21. **Duncan, A.E.**, Agrawal, A., Bucholz, K.K., Sartor, C.E., Madden, P.A.F., Heath, A.C. (2011). Deconstructing the architecture of alcohol abuse and dependence symptoms in a community sample of late adolescent and emerging adult women: an item response approach. *Drug and Alcohol Dependence*, 116(1-3):222-227. PMID: PMC3135415
22. Agrawal, A., Scherrer, J.F., Pergadia, M.L., Lynskey, M.T., Madden, P.A.F., Sartor, C.E., Grant, J.D., **Duncan, A.E.**, Haber, J.R., Jacob, T., Bucholz, K.K., Xian, H. (2011). A latent class analysis of DSM-IV and Fagerstrom (FTND) criteria for nicotine dependence. *Nicotine and Tobacco Research*, 13(10):972-981. PMID: PMC3179671
23. **McNulty, N.P., Yatsunenko, T., Hsiao, A., Faith, J.J., Muegge, B.D., Goodman, A.L., Henrissat, B., Ozeer, R., Cools-Portier, S., Gobert, G., Chervaux, C., Knights, D., Lozupone, C.A., Knight, R., **Duncan, A.E.**, Bain, J.R., Muehlbauer, M.J., Newgard, C.B., Heath, A.C. and Gordon, J.I. (2011) The impact of a consortium of fermented milk strains on the human gut microbiome: a study involving monozygotic twins and gnotobiotic mice. *Science: Translational Medicine* 3(106). PMID: PMC3303609
24. Grant, J.D., Scherrer, J.F., Lynskey, M.T., Agrawal, A., **Duncan, A.E.**, Haber, J.R., Heath, A.C., Bucholz, K.K. (2012) Associations between Alcohol, Nicotine, and Cannabis and Drug Use/Dependence and Educational Attainment: Evidence from Cotwin-Control Analyses. *Alcoholism: Clinical and Experimental Research*, 36(8):1412-1420. PMID: PMC3412907
25. **Duncan, A.E.**, Lessov-Schlaggar, C.N., Sartor, C.E., Bucholz, K.K. (2012) Differences in time to onset of smoking and nicotine dependence by race/ethnicity in a Midwestern sample of adolescents and young adults from a high risk family study. *Drug and Alcohol Dependence*, 125(1-2):140-145. PMID: PMC370052

26. Sartor, C.E., McCutcheon, V.V., Nelson, E.C., **Duncan, A.E.**, Bucholz, K.K., Madden, P.A.F., Heath, A.C. (2012) Investigating the Association between Childhood Sexual Abuse and Alcohol Use Disorders in Women: Does it Matter How We Ask about Sexual Abuse? *Journal of Studies on Alcohol and Drugs*, 73(5):740-748. PMID: PMC3410942
27. Sartor, C.E., Agrawal, A., Lynskey, M.T., **Duncan, A.E.**, Grant, J.D., Nelson, E.C., Madden, P.A., Heath, A.C., Bucholz, K.K. (2013). Cannabis or alcohol first? Differences by ethnicity in risk for rapid progression to cannabis-related problems in women. *Psychological Medicine*, 43(4):813-823. PMID: 3697079
28. Sartor, C.E., Waldron, M., **Duncan, A.E.**, Grant, J.D., McCutcheon, V.V., Nelson, E.C., Madden, P.A.F., Bucholz, K.K., Heath, A.C. (2013). Childhood Sexual Abuse and Early Substance Use in Adolescent Girls: The Role of Familial Influences. *Addiction*, 108(5):993-1000. PMID: PMC3628962
29. *Munn-Chernoff, M.A., **Duncan A.E.**, Grant J.D., Wade T.D., Agrawal A., Bucholz, K.K., Madden P.A., Martin N.G., Heath A.C. (2013). A twin study of alcohol dependence, binge eating, and compensatory behaviors. *Journal of Studies on Alcohol and Drugs*, 74(5):664-73. PMID: PMC3749309

Select press coverage:

- Covered by Dryden, Jim, The Source – Washington University. Alcohol abuse, eating disorders share genetic link. Published on 8/21/13.
<https://source.wustl.edu/2013/08/alcohol-abuse-eating-disorders-share-genetic-link/>
 - This paper was covered by Bidwell, Allie, US News & World Report. *Same genes may cause alcohol abuse and eating disorders*. Published on 8/21/13.
<http://www.usnews.com/news/articles/2013/08/21/same-genes-may-cause-alcohol-abuse-and-eating-disorders>
30. **Ridaura V., Faith, J.J., Rey, F., Reyes, A. Chen, J., **Duncan, A.E.**, Bain, J.R., Muehlbauer, M.J. Heath, A.C., Newgard, C.B., Knight, R. and Gordon, J.I. (2013) Gut microbiota from twins discordant for obesity modulate metabolism in mice. *Science*, 341(6150):1241214. PMID:PMC3829625
 31. **Koren, R., **Duncan, A. E.**, Munn-Chernoff, M. A., Bucholz, K. K., Lynskey, M. T., Heath, A. C., & Agrawal, A. (2014). Preliminary evidence for the role of *HTR2A* variants in binge eating in young women. *Psychiatric Genetics*, 24(1):28-33. PMID: PMC3870040
 32. **Koren, R., Munn-Chernoff, M.A., **Duncan, A.E.**, Bucholz, K.K., Madden, P.A., Heath, A.C., Agrawal, A. (2014) Is the relationship between binge eating episodes and personality attributable to genetic factors? *Twin Research and Human Genetics*, 17(2):65-71. PMID: PMC3965597
 33. Hudson, D.L., Purnell, J. **Duncan, A.E.**, **Baker, E. (2014) Subjective Religiosity, Church Attendance and Depression in the National Survey of American Life. *Journal of Religion and Health*. 54(2):584-97.
 34. Waldron, M., Bucholz, K.K., Madden, P.A.F., **Duncan, A.E.**, Sartor, C.E., Heath, A.C. (2014). Alcohol dependence and reproductive timing in African and European ancestry women: findings in a Midwestern twin cohort. *Journal of Studies on Alcohol and Drugs*. 75(2):235-40. PMID: PMC3965677

35. Waldron, M., **Vaughan, E.L., Bucholz, K.K., Lynskey, M.T., Sartor C.E., **Duncan, A.E.**, Madden P.A., Heath, A.C. (2014). Risks for early substance involvement associated with parental alcoholism and parental separation in an adolescent female cohort. *Drug Alcohol Dependence*. 138:130-136. PMID: PMC4012919
36. **Duncan, A.E.**, *Munn-Chernoff, M.A., Hudson, D.L., Eschenbacher, M.A., Agrawal, A., Grant, J.D., Nelson, E.C., Waldron, M., Glowinski, A.L., Sartor, C.E., Bucholz, K.K., Madden, P.A.F., Heath, A.C. (2014). Genetic and environmental risk for major depression in African-American and European-American women. *Twin Research and Human Genetics*. 17(4):244-253. PMID: PMC4470860
- Covered by: Association of Schools and Programs of Public Health (ASPPH) Friday Letter for 7/10/14. Wash U: No Significant Racial Differences in Depression Heritability. <http://www.aspph.org/washu-no-significant-racial-differences-in-depression-heritability/>
37. +*Munn-Chernoff, M.A., Grant, J.D., Agrawal, A., **Koren, R., Glowinski, A., Bucholz, K.K., Madden, P.A.F., Heath, A.C., **Duncan, A.E.** (2015) Are there common familial influences for major depressive disorder and an overeating-binge eating dimension in both European-American and African-American female twins? *International Journal of Eating Disorders*. (4):375-82.
38. +*Munn-Chernoff, Keel, P.K., Klump, K.L., Grant, J.D., Bucholz, K.K., Madden, P.A.F., Heath, A.C., **Duncan, A.E.** (2015). Genetic and environmental influences on purging disorder in a community sample of female twins. *International Journal of Eating Disorders*. doi: 10.1002/eat.22378.
39. **Duncan, A.E.**, Auslander, W., Bucholz, K.K., Hudson, D., Stein, R., White, N. (2015). Child maltreatment and diabetes: Differential effects by gender. *Preventing Chronic Disease*. 12:E70. doi: 10.5888/pcd12.140434. PMID: PMC4436043
40. Waldron, M., **Doran, K.A., Bucholz, K.K., **Duncan, A.E.**, Lynskey, M.T., Madden, P.A.F., Sartor, C.E., Heath, A.C. (2015). Parental separation, parental alcoholism, and timing of first sexual intercourse. *Journal of Adolescent Health*. 56(5):550-6. PMID: PMC4409650
41. **Duncan, A.E.**, Sartor, C.E., Jonson-Reid, M., *Munn-Chernoff, M.A., *Eschenbacher, M.A., *Diemer, E.W., Nelson, E.C., Waldron, M., Bucholz, K.K., Madden, P.A.F., Heath, A.C. (2015). Associations between BMI, PTSD, and child maltreatment in young women. *Child Abuse & Neglect*. 45:154-162. PMID: PMC4470860
42. +*Munn-Chernoff, M.A., Grant, J.D., Bucholz, K.K., Agrawal, A., Lynskey, M., Madden, P.A.F., Heath, A.C., **Duncan, A.E.** (2015). Bulimic behaviors and early substance use: Findings from a cotwin-control study. *Alcoholism: Clinical and Experimental Research*. 39(9): 1740-1748. PMID: PMC4558316
43. +*Diemer, E.W., Grant, J.D., *Munn-Chernoff, M.A., Patterson, D., **Duncan, A.E.** (2015). Gender identity, sexual orientation, and disordered eating in a national sample of college students. *Journal of Adolescent Health*. 57(2):144-149. PMID: PMC4545276
- This paper was also the topic of an editorial in the same issue of the *Journal of Adolescent Health*: Austin, SB (2015). With transgender health inequities so large and the need so great, the burden is on all of us to find solutions. *Journal of Adolescent Health*. 57(2): 133-134.

Select press coverage:

- Doyle, Kathryn, Reuters Health. *Sexual orientation, gender identity tied to eating disorder risk*. Published 5/8/15: <http://www.reuters.com/article/2015/05/08/us-eating-disorder-gender-idUSKBN0NT2E020150508>
 - Schoenherr, Neil, Washington University in St. Louis Newsroom. *Sexual orientation, gender identity linked to eating disorders*. Published 5/12/15. <http://news.wustl.edu/news/Pages/gender-identity-sexual-orientation-eating-disorder.aspx>
 - 5/12/15 reprinted by SciGuru.com: <http://www.sciguru.org/newsitem/19045/sexual-orientation-gender-identity-linked-eating-disorders>
 - 5/12/15 reprinted by ScienceDaily.com: <http://www.sciencedaily.com/releases/2015/05/150512112255.htm>
 - Conason, Alexis, Psychology Today. *Gender Identity and Eating Disorders*. Coverage of 2015 Journal of Adolescent Health article. Published 3/31/16. <https://www.psychologytoday.com/blog/eating-mindfully/201603/gender-identity-and-eating-disorders>
44. +*Munn-Chernoff, M. Grant, J.D., Agrawal, A., Sartor, C.E., Werner, K.B., Bucholz, K.K., Madden, P.A.F., Heath, A.C., **Duncan, A.E.** (2015). Genetic overlap between alcohol use disorder and bulimic behaviors in European American and African American women. *Drug and Alcohol Dependence*. 153:335-340. PMID: PMC4509802
45. Grant, J.D., Waldron, M., Sartor, C.E., Scherrer, J.F., **Duncan, A.E.**, McCutcheon, V.V., Haber, J.R., Jacob, T., Heath, A.C., Bucholz, K.K. (2015). Parental separation and offspring alcohol involvement: Findings from offspring of alcoholic and drug dependent twin fathers. *Alcoholism: Clinical and Experimental Research*. 39(7):1166-1173. PMID: PMC4490966
46. Sartor, C.E., Agrawal, A., Grant, J.D., **Duncan, A.E.**, Madden, P.A.F., Heath, A.C., Bucholz, K.K. (2015). Differences between African-American and European-American women in the association of childhood sexual abuse with initiation of marijuana use and progression to problem use. *Journal of Alcohol and Drugs*. 76(4):569-577.
47. Nicol, G., Worsham, E., Haire-Joshu, D., **Duncan, A.E.**, Schweiger, J., Yingling, M., Lenze, E. (2016). Getting to more effective weight management in antipsychotic treated youth: A survey of barriers and preferences. *Childhood Obesity*. 12(1):70-76. PMID: PMC4753621.
48. Sartor, C.E., Grant, J.D., **Duncan, A.E.**, McCutcheon, V.V., Nelson, E.C., Calvert, W., Madden, P.A.F., Heath, A.C., Bucholz, K.K. (2016) Childhood sexual abuse and two stages of cigarette smoking in African-American and European-American Young Women. *Addictive Behaviors*. 60: 131-136.

Manuscripts in Press

49. Sartor, C.E., Jackson, K., McCutcheon, V.V., **Duncan, A.E.**, Grant, J.D., Werner, K., Bucholz, K.K. (in press). Progression from first drink, first intoxication and regular drinking to alcohol use disorder: a comparison of African-American and European-American youth. *Alcoholism: Clinical and Experimental Research*.

Submitted Manuscripts

50. Brewerton T and **Duncan AE**. (under review) Associations between Attention Deficit Hyperactivity Disorder and Eating Disorders by Gender: Results from the National Comorbidity Survey Replication. *European Eating Disorders Review*.
51. Heath, A.C., Lessov-Schlaggar, C.N., Lian, M., Miller, R., **Duncan, A.E.**, Madden, P.A.F. (under review) Commentary: A perspective on making progress in research on gene-environment interplay in the era of 'Big Data.' *Journal of Studies on Alcohol and Drugs*.
52. Sadler, B., Grant, J.D., **Duncan, A.E.**, Sartor, C.E., Waldron, M., Heath, A.C., Bucholz, K.K. (under review). Ethnicity differences in the influence of paternal separation, parental alcoholism and early substance use on offspring educational attainment. *Journal of Studies on Alcohol and Drugs*.

Manuscripts in preparation

53. **Duncan AE**, Ziobrowski, HN, Nicol, G. The prevalence of past 12-month and lifetime DSM-IV eating disorders by BMI category in US men and women: Findings from the Collaborative Psychiatric Epidemiology Surveys. To be submitted to *Obesity*.
54. *Ziobrowski, HN, Brewerton, T., **Duncan, AE**. Attention deficit hyperactivity disorder and eating disorders in U.S. adults: The role of comorbid psychopathology in the association between ADHD and eating disorders: Findings from the Collaborative Psychiatric Epidemiology Surveys. To be submitted to *Psychiatry Research*.
55. *Munn-Chernoff, M.A., Few, L.R., Matherne, C.E., Baker, J.H., McCutcheon, V.V., Agrawal, A., Bucholz, K.K., Lessov-Schlaggar, C.N., Madden, P.A.F., Heath, A.C., **Duncan, A.E.** Eating Disorders in an epidemiologic sample of women with alcohol use disorder and nicotine dependence. To be submitted to *Drug and Alcohol Dependence*.

Non-peer-reviewed book chapters

1. Agrawal A, McCutcheon VV, **Duncan AE**, Sartor CE. Methods for Incorporating Childhood Sexual Abuse into Genetically Informative Studies of Psychopathology. In F Columbus (Ed) Childhood Sexual Abuse: Issues and Challenges in press. Hauppauge, NY: Nova Science Publishers, Inc.
2. Sartor CE, **Duncan AE**, McCutcheon VV, Agrawal A. Childhood sexual abuse and substance use problems: Disentangling a complex association. In F Columbus (Ed) Childhood Sexual Abuse: Issues and Challenges in press. Hauppauge, NY: Nova Science Publishers, Inc.

PEER-REVIEWED CONFERENCE PRESENTATIONS

Poster presentations

1. Minor, K., **Duncan, A.** and Park, S. "Frontal subtypes of schizophrenia based upon neurocognitive and behavioral profiles?" *Presented at The International Conference on Schizophrenia Research, Santa Fe, NM (4/99).*
2. **Duncan, A.** and Park, S. "Sequential memory in musicians and non-musicians; implication for the development of the planum temporale." *Presented at the Society of Biological Psychiatry Conference, Chicago, IL (5/00).*
3. **Duncan, A.** Bucholz K., Kramer, J., Kuperman, S., and Hesselbrock, V. "Bulimia nervosa, recurrent binge eating, and alcohol and other substance use disorders in women." *Presented at The Annual Meeting of the Research Society on Alcoholism, San Francisco, CA (6/02).*
4. **Duncan, A.E.**, Fu, Q.J., True, W.R., Scherrer, J.F., Bucholz, K.K., and Jacob T. "Effects of childhood exposure to paternal alcoholism on substance use disorders in adolescents and young adults: Preliminary results." *Presented at The Annual Meeting of the Research Society on Alcoholism, Ft. Lauderdale, FL (6/03).*
5. **Duncan, A.**, Neuman, R., Kramer, J., Kuperman, S., and Hesselbrock, V., Bucholz, K., "Lifetime psychiatric comorbidity of bulimia nervosa and alcohol dependence in women." *Presented at the Annual Meeting of the Research Society on Alcoholism, Santa Barbara, CA (6/05).*
6. Scherrer, J., **Duncan, A.**, Grant, J., Bucholz, K., "Trauma Exposure is Associated with Offspring Alcohol Dependence after Accounting for Paternal Alcoholism." *Presented at the Annual Meeting of the Research Society on Alcoholism, Santa Barbara, CA (6/05).*
7. Bucholz, K., Grant, J., Scherrer, J., **Duncan, A.**, Waterman, B., Jacob, T. "Drug use in offspring of drug dependent and unaffected twin fathers." *Presented at The Annual Meeting of the College on Problems of Drug Dependence, Orlando, FL (6/05).*
8. **Duncan, A.**, Scherrer, J., Grant, J., Bucholz, K., "Association between traumatic events and marijuana abuse and dependence in offspring of drug dependent fathers." *Presented at The Annual Meeting of the College on Problems of Drug Dependence, Orlando, FL (6/05).*
9. **Duncan, A.**, Scherrer, J.F., Sartor, C.E., Grant J.D., Heath, A.C., Nelson, E.C., True, W.R., Jacob, T., Bucholz K.K., "The association between childhood physical and sexual abuse and alcohol use disorders in daughters of alcoholics: Evidence from an offspring of twins design." *Presented at The Annual Meeting of the Research Society on Alcoholism, Baltimore, MD (6/06).*
10. Grant, J.D., Heath, A.C., Scherrer, J.F., **Duncan, A.E.**, Waldron, M., Haber, J.R., Jacob, T., Bucholz, K.K. "Using a Children-of-Twins Design to Examine the Impact of Parental Divorce on Time to Offspring Alcohol Use and Problems." *Presented at The Annual Meeting of the Research Society on Alcoholism, Baltimore, MD (6/06).*
11. Grant, J.D., Heath, A.C., Scherrer, J.F., **Duncan, A.E.**, Waldron, M., Haber, J.R., Jacob, T., Bucholz, K.K. "Using an Offspring-of-Twins Design to Examine the Impact of Parental Divorce on Time to Offspring Nicotine and Cannabis Use and Problems" *Presented at the Annual Meeting of the College of Problems on Drug Dependence, Scottsdale, AZ (6/06)*

12. **Duncan, A.E.**, Bucholz, K.K., Madden, P.A.F., and Heath, A.C. "The relationship between adolescent/young adult BMI and subsequent non-problem and problem alcohol use." *Presented at The Annual meeting of the Research Society on Alcoholism*, Chicago, IL (7/07).
13. Grant, J.D., Heath, A.C., Scherrer, J.F., **Duncan, A.E.**, Lynskey, M.T., Haber, J.R., Jacob, T., Bucholz, K.K. "Cannabis dependence and early cannabis use are associated with reduced educational attainment in young adults from two offspring-of-twins studies." *Presented at the Annual Meeting of the College of Problems on Drug Dependence*, Quebec City, Canada (6/07).
14. **Duncan, A.E.**, Agrawal, A., Grant, J.D., Bucholz, K.K., Madden, P.A.F., and Heath, A.C. "Genetic and environmental contributions to BMI in adolescent and young adult female twins." *Presented at The Behavior Genetics Association Annual Meeting*, Louisville, KY (6/08).
15. **Duncan, A.E.**, Bucholz, K.K., Madden, P.A.F., and Heath, A.C. "The relationship between alcohol use and subsequent weight change in European- and African-American young adult women." *Presented at The Annual Meeting of the Research Society on Alcoholism*, Washington, DC (6/08).
16. Grant, J.D., Scherrer, J.F., **Duncan, A.E.**, Haber, J.R., Jacob, T.J., Bucholz, K.K. "Subjective Reactions to Cannabis Remain Associated with Heaviness of Use and Cannabis Abuse/Dependence After Controlling for Covariates." *Presented at The Annual Meeting of the College on Problems of Drug Dependence*, San Juan, Puerto Rico (6/08).
17. **Duncan, A.E.**, Lessov-Schlagger, C.N., Madden, P.A.F. , Heath, A.C. "Childhood Sexual Abuse Moderates the Relationship between Obesity and Transition to Regular Smoking in Young Adult Women." *Presented at the Annual Meeting of The Obesity Society*, Washington, D.C. (10/09).
18. **Duncan, A.E.**, Agrawal, A., Bucholz, K.K., Madden, P.A.F., Heath, A.C. "An Item Response Theory Model of Alcohol Use Disorder Symptoms in Adolescent and Emerging Adult Women." *Presented at The Annual Meeting of the Research Society on Alcoholism*, San Antonio, TX (6/10).
19. **Duncan, A.E.**, Bucholz, K.K., Waldron. M., Madden, P.A.F., Heath, A.C. "Parental alcohol problems, parental separation, and binge eating in young adult women." *Presented at The Annual Meeting of the Research Society on Alcoholism*, Atlanta, GA (6/11).
20. *Finney, K.M., **Duncan, A.E.**, Madden, P.A.F., Waldron, M., and Heath, A.C. "Parental Alcohol Problems, Parental Separation, and Body Mass Index in Young Adult Women." *Presented at The Annual Meeting of The Obesity Society*, Orlando, FL (10/11).
21. *Munn-Chernoff, M. A., **Duncan, A. E.**, Bucholz, K. K., Madden, P. A. F., & Heath, A. C. (June 2012). Comorbid binge eating and alcohol dependence: Contributions from parental alcohol problems, child abuse history, and early maturation. Poster presentation at the Research Society on Alcoholism (RSA), San Francisco, CA.
22. **Duncan, A.E.**, Madden, P.A.F., Heath, A.C. "Adverse childhood experiences and BMI in young adult women: is the association explained by depression and binge eating." *Presented at The Annual Meeting of The Obesity Society*, San Antonio, TX (10/12).
23. *Diemer, E., **Duncan, A. E.**, *Munn-Chernoff, M. A., Bucholz, K. K. "Inappropriate compensatory behaviors among African- and European-American male adolescents and young adults." *The International Conference on Eating Disorders*, Montreal, Quebec, Canada (5/13).
24. *Munn-Chernoff, M. A., Grant, J. D., Agrawal, A., Madden, P. A. F., Bucholz, K. K., Heath, A. C., **Duncan, A. E.** "Evidence for genetic overlap of alcohol use disorder and bulimic behaviors within

European- and African-American women." *Presented at The Annual Meeting of the Research Society on Alcoholism*, Grand Cypress, FL (6/13).

25. Duncan, A.E., *Munn-Chernoff, M.A., Bucholz, K.K., Madden, P.A.F., Heath, A.C. "Bulimia nervosa symptoms, alcohol use disorders, and nicotine dependence in an epidemiologic sample of young adult women." *Presented at The Annual Meeting of the Eating Disorders Research Society*, Bethesda, MD (9/13).
26. *Chee, A., *Diemer, E.W., *Munn-Chernoff, M.A., Patterson, D., **Duncan, A.E.** "Intimate Partner Violence and Eating Disorders among College Students: Moderation by Gender." *Presented at The International Conference on Eating Disorders*, New York, NY (3/14).
27. *Diemer, E.W., *Chee, A., *Munn-Chernoff, M.A., Patterson, D., **Duncan A.E.** "Relations among gender identity, sexual orientation, and eating disorders in college students." *Presented at the International Conference on Eating Disorders*, New York, NY (3/14).
28. **Duncan, A.E.**, *Diemer, E.W., *Chee, A., Cunningham-Williams, R.M., Brewerton, T.D., Patterson, D. "Gambling, purging behaviors, and eating disorder diagnosis among U.S. college students." *Presented at The Annual Meeting of the Eating Disorders Research Society*, San Diego, CA (10/14).
29. Brewerton, T.D. and **Duncan, A.** "Prevalence of attention deficit hyperactivity disorder in men and women with eating disorders: results from the National Comorbidity Survey Replication Study." *Presented at The Annual Meeting of the Eating Disorders Research Society*, San Diego, CA (10/14).
30. Brewerton, T.D. and **Duncan, A.** "Prevalence of attention deficit hyperactivity disorder in men and women with eating disorders: results from the National Comorbidity Survey Replication Study." *Presented at The Annual Meeting of the American Academy of Child and Adolescent Psychiatry*, San Diego, CA (10/14).
31. ***Duncan, A.E.**, *Munn-Chernoff, M.A., Berlin, H. "The Prevalence of DSM-IV Eating Disorders by BMI Category in a General Population Sample." *Presented at the International Conference on Eating Disorders*, Boston, MA (4/15).

Oral presentations

32. **Duncan, A.E.**, **Turnbaugh, P.J., Gordon, J.I., Heath, A.C., "Metagenomics of Smoking in Obese and Lean Twin Pairs." *Presented at The Behavior Genetics Association Annual Meeting*, Minneapolis, MI (6/09)
33. **Duncan, A.E.**, Pergadia, M.L., Martin, N.G., Montgomery, G., Madden P.A.F., Heath, A.C. "Depression as a moderator of genetic risk for overweight and obesity." *Presented at the Annual Meeting of the Behavior Genetics Association*, Newport, RI (6/11)
34. *Munn-Chernoff, M.A., **Duncan A.E.**, Grant, J.D., Bucholz, K.K., Madden, P.A.F., Martin, N.G., Heath, A.C. "A twin study of the association between binge eating and alcohol dependence in males and females." *Presented at the International Conference on Eating Disorders*, Austin, TX (5/12).
35. *Munn-Chernoff, M.A., **Duncan, A.E.**, Grant, J.D., Agrawal, A., Bucholz, K. K., Madden, P. A. F., Heath, A. C. "Are there common risk factors for binge eating and major depressive disorder in European and African American female twins?" *Presented at the International Conference on Eating Disorders*, Austin, TX (5/12).

36. **Duncan A.E.**, *Munn-Chernoff, M.A., Bucholz, K.K. "Eating Disorder Symptoms in African-American and non-African-American Male and Female Adolescents and Young Adults." *Presented at the International Conference on Eating Disorders, Austin, TX (5/12).*
37. *Eschenbacher, M.A., **Duncan, A.E.**, *Munn-Chernoff, M.A., Bucholz, K.K., Madden, P.A.F., Heath, A.C., "Does binge eating play a role in the association between adolescent depression and subsequent onset of obesity in young adult women?" *Presented at the International Conference on Eating Disorders, Austin, TX (5/12).*
38. **Glass, J.E., Grant, J.D., **Duncan, A.E.**, Scherrer, J.F., Bucholz, K.K. "A Longitudinal Investigation of Alcohol Problem Recognition and the Discussion of Alcohol Problems with Health Professionals From a High-Risk Offspring of Twins Sample." *Presented at the Society for Social Work and Research Annual Conference, San Diego, CA (1/13).*
39. *Munn-Chernoff, M. A., Grant, J. D., Bucholz, K. K., Madden, P. A. F., Heath, A. C., **Duncan, A. E.** "Bulimic behaviors and early alcohol use: Findings from a cotwin control study of European- and African-American women." *Presented at the International Conference on Eating Disorders, Montreal, Quebec, Canada (5/13).*
40. *Munn-Chernoff, M.A., Keel, P.K., Klump, K.L., Grant, J.D., Bucholz, K.K., Madden, P.A.F., Heath, A.C., **Duncan, A.E.** "Genetic and Environmental Influences on Purging Disorder." *Presented at the International Conference on Eating Disorders, New York, NY (3/14).*
41. Brewerton, T.D. and **Duncan, A.** "Prevalence of attention deficit hyperactivity disorder in men and women with eating disorders: results from the National Comorbidity Survey Replication Study." *To be Presented at The International Conference on Eating Disorders, Boston, MA (4/15).*

GRANTS AND FELLOWSHIPS

Pending

A Twin Study of Food Addiction

R01 DA042393

Role: Principal Investigator

Center to Advance Innovative Multidisciplinary Child Maltreatment Research and Training

P50 HD 089913

Role: Role: Investigator and member of the Advanced Analytic and Measurement Methods workgroup

Completed

Parental Alcohol Problems and Obesity and Disordered Eating in Adolescent and Young Adult Women

Brown School Pilot Grant

1/15/11-5/31/11

Role: Principal Investigator

\$2000

Overweight/Obesity and Smoking in Young Adult Female Twins

Individual National Research Service Award

F32 HL091682

8/15/08 – 6/31/09

Role: PI/Postdoctoral trainee

Biomedical Training in Alcoholism Research (Andrew Heath, PI)

Institutional National Research Service Award

2/1/07- 8/14/08

T32 AA007580

Role: Postdoctoral trainee

Drug Abuse Comorbidity, Prevention and Biostatistics (Linda Cottler, PI)

Institutional National Research Service Award

8/1/06-1/31/07

T32 DA007313

Role: Postdoctoral trainee

TEACHING

George Warren Brown School of Social Work, Washington University, St. Louis, MO

Fall 2010 – present

Faculty

Instructor: Foundations of Public Health: Epidemiology; Epidemiology Methods; Epidemiology of Psychiatric and Substance Use Disorders; Statistical Analysis in SAS Skill Lab; Public Health Seminar.

Course master: MPH Culminating Experience

Fall 2009

Adjunct Faculty

Instructor: Foundations of Public Health: Epidemiology

Saint Louis University School of Public Health, St. Louis, MO

Fall 2007 & 2008

Adjunct Faculty

Instructor: Principles of Epidemiology

Fall 2001

Teaching Assistant

Principles of Epidemiology, Anjali Deshpande, Ph.D., instructor

Fall 2002

Teaching Assistant

Fundamentals of Biostatistics, Doug Luke, Ph.D., instructor

Analysis of Variance, Doug Luke, Ph.D., instructor

MENTORING

Doctoral Students

- Secondary advisor to first year doctoral student Erin Stringfellow, George Warren Brown School of Social Work, 2012-2013

- Doctoral dissertation committee member for Joseph Glass, George Warren Brown School of Social Work, Washington University in St. Louis. Successfully defended June 2012.
- Doctoral dissertation committee member for Cheri Levinson, Department of Psychology, Washington University in St. Louis. Successfully defended June 2013.
- Doctoral dissertation committee member for Kelci Flowers, University of Georgia, Department of Psychology. Successfully defended August 2013.

Postdoctoral Fellow

- Melissa Munn-Chernoff, Ph.D., NIAAA T32 Postdoctoral Fellow, Department of Psychiatry, Washington University School of Medicine (2011 – 2014)

SERVICE

Department and University Service

- 2009-2011, Faculty Sponsor, Public Health Initiatives in Epidemiology (PHIE) student group
- 2012, Chairperson, Ad Hoc MPH Mental and Behavioral Health Specialization committee
- 2012-Present, Member, Epidemiology and Biostatistics Specialization committee
- 2012, 2015, Member, Ad Hoc MPH Culminating Experience Evaluation and Revision committee
- 2014, Facilitator, Self-Awareness Workshop
- 2015-present, Faculty Sponsor, Public Mental Health student group
- 2015-2016, Member, Personnel Advisory Committee, 2015-2016
- 2013-2014, President Elect, Gamma Sigma Chapter of Delta Omega, the Public Health Honorary Society
- 2014-2016, President, Gamma Sigma Chapter of Delta Omega, the Public Health Honorary Society
- 2015-present, Member, Institutional Review Board
- 2013-present, Member, Missouri Family Registry Executive Board
- 2010- present, Member, Center for Violence and Injury Prevention Scientific Advisory Board

Professional Service

- *Ad Hoc Reviewer:*
 - Addiction
 - Addictive Behaviors
 - Biological Psychiatry
 - Child Abuse & Neglect
 - Health Education and Behavior
 - JAMA Psychiatry (formerly Archives of General Psychiatry)
 - Journal of Abnormal Psychology
 - Journal of Child Psychology and Psychiatry

- Journal of Studies on Alcoholism and Drugs (formerly Journal of Studies on Alcoholism)
- Psychiatry Research
- Psychology of Addictive Behaviors
- Psychological Medicine
- 2014 Grant reviewer, Swiss Anorexia Foundation
- 2014-present: Founder and Co-chair, Epidemiology and Population Health Special Interest Group, Academy for Eating Disorders

PROFESSIONAL AFFILIATIONS

- 2015 – present Member, American Public Health Association
- 2015 – present Member, Eating Disorders Research Society
- 2011 – present Member, Academy for Eating Disorders
- 2009 – present Member, The Obesity Society
- 2002 – 2013 Member, Research Society on Alcoholism
- 2008 – 2013 Member, Behavior Genetics Association