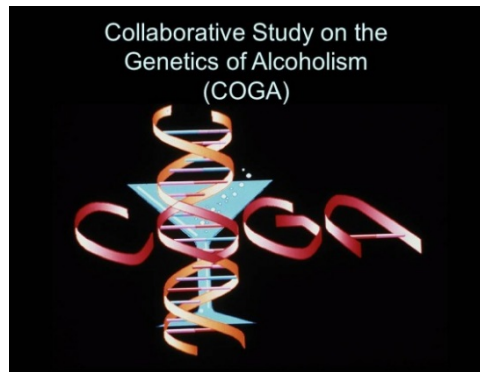




Last change: 2019-01-04

Maintained by
Morton Ehrenberg, Chella Kamarajan (SUNY Downstate Medical Center)
and Sherri Fisher (Washington University in St. Louis)

[SAGE articles are marked with *]**

<i>1990</i>	<i>1991</i>	<i>1992</i>	<i>1993</i>	<i>1994</i>	<i>1995</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>1990-99</i>
1	0	1	0	6	16	13	13	20	18	88
<i>2000</i>	<i>2001</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2000-09</i>
15	15	19	16	16	24	34	25	22	17	203
<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>in press</i>	<i>2010-</i>
27	20	28	20	25	33	19	28	26	1	227
<i>Grand Total of COGA Publications</i>										<i>518</i>

Publications in press

1. Jeanette N. McClintick, Jay A. Tischfield, Li Deng, Manav Kapoor, Xiaoling Xuei, Howard J. Edenberg (2018) Ethanol Activates Immune Response in Lymphoblastoid Cells. Alcohol, in press.

Publications in 2018

2. Agrawal A, Chou YL, Carey CE, Baranger DAA, Zhang B, Sherva R, Wetherill L, Kapoor M, Wang JC, Bertelsen S, Anokhin AP, Hesselbrock V, Kramer J, Lynskey MT, Meyers JL, Nurnberger JI, Rice JP, Tischfield J, Bierut LJ, Degenhardt L, Farrer LA, Gelernter J, Hariri AR, Heath AC, Kranzler HR, Madden PAF, Martin NG, Montgomery GW, Porjesz B, Wang T, Whitfield JB, Edenberg HJ, Foroud T, Goate AM, Bogdan R, Nelson EC (2018). Genome-wide association study identifies a novel locus for cannabis dependence. *Mol Psychiatry*, 23(5):1293-1302. PMID: 29112194.
3. Aliev F, Salvatore JE, Agrawal A, Almasy L, Chan G, Edenberg HJ, Hesselbrock V, Kuperman S, Meyers J, Dick DM (2018). A Brief Critique of the TATES Procedure. *Behavior Genetics* 48(2):155-167. PMID: 29468442.

4. Culverhouse RC, Saccone NL, Horton AC, Ma Y, Anstey KJ, Banaschewski T, Burmeister M, Cohen-Woods S, Etain B, Fisher HL, Goldman N, Guillaume S, Horwood J, Juhasz G, Lester KJ, Mandelli L, Middeldorp CM, Olie E, Villafuerte S, Air TM, Araya R, Bowes L, Burns R, Byrne EM, Coffey C, Coventry WL, Gawronski KAB, Gleit D, Hatzimanolis A, Hottenga JJ, Jaussent I, Jawahar C, Jennen-Steinmetz C, Kramer JR, Lajnef M, Little K, Zu Schwabedissen HM, Nauck M, Nederhof E, Petschner P, Peyrot WJ, Schwahn C, Sinnamon G, Stacey D, Tian Y, Toben C, Van der Auwera S, Wainwright N, Wang JC, Willemsen G, Anderson IM, Arolt V, Aslund C, Bagdy G, Baune BT, Bellivier F, Boomsma DI, Courtet P, Dannlowski U, de Geus EJC, Deakin JFW, Easteal S, Eley T, Fergusson DM, Goate AM, Gonda X, Grabe HJ, Holzman C, Johnson EO, Kennedy M, Laucht M, Martin NG, Munafo MR, Nilsson KW, Oldehinkel AJ, Olsson CA, Ormel J, Otte C, Patton GC, Penninx B, Ritchie K, Sarchiapone M, Scheid JM, Serretti A, Smit JH, Stefanis NC, Surtees PG, Volzke H, Weinstein M, Whooley M, Nurnberger JI, Jr., Breslau N, Bierut LJ (2018). Collaborative meta-analysis finds no evidence of a strong interaction between stress and 5-HTTLPR genotype contributing to the development of depression. *Mol Psychiatry* 23(1):133-142. PMID: 28373689.
5. Dick DM (2018) Mapping Risk from Genes to Behavior: The Enduring and Evolving Influence of Irving Gottesman's Endophenotype Concept. *Twin research and human genetics* 21(4):306-309. PMID: 30027865.
6. Dick DM (2018). Using Genetics in Prevention: Science Fiction or Science Fact? *Prevention science* 19(1):101-108. PMID: 28735446.
7. Dick DM, Barr PB, Cho SB, Cooke ME, Kuo SI, Lewis TJ, Neale Z, Salvatore JE, Savage J, Su J (2018). Post-GWAS in Psychiatric Genetics: A Developmental Perspective on the "Other" Next Steps. *Genes, brain, and behavior* 17(3):e12447. PMID: 29227573.
8. Edenberg HJ, McClintick JN (2018). Alcohol Dehydrogenases, Aldehyde Dehydrogenases, and Alcohol Use Disorders: A Critical Review. *Alcoholism, clinical and experimental research* [Epub ahead of print]. PMID: 30320893.
9. Edwards AC, Deak JD, Gizer IR, Lai D, Chatzinakos C, Wilhelmsen KP, Lindsay J, Heron J, Hickman M, Webb BT, Bacanu SA, Foroud TM, Kendler KS, Dick DM, Schuckit MA (2018). Meta-Analysis of Genetic Influences on Initial Alcohol Sensitivity. *Alcoholism, clinical and experimental research* [Epub ahead of print]. PMID: 30276832.
10. Glasheen C, Johnson EO, Saccone NL, Lutz SM, Baker TB, McNeil DW, Marazita ML, Hokanson JE, Bierut LJ, Hancock DB (2018). Is the Fagerstrom test for nicotine dependence invariant across secular trends in smoking? A question for cross-birth cohort analysis of nicotine dependence. *Drug and Alcohol Dependence* 185:127-132. PMID: 29438887.
11. Hartz SM, Oehlert M, Horton AC, Grucza RA, Fisher SL, Culverhouse RC, Nelson KG, Sumerall SW, Neal PC, Regnier P, Chen G, Williams A, Bhattarai J, Evanoff B, Bierut LJ (2018). Daily Drinking Is Associated with Increased Mortality. *Alcoholism, clinical and experimental research* 42(11):2246-2255. PMID: 30281161.
12. Johnson EC, Tillman R, Aliev F, Meyers JL, Salvatore JE, Anokhin AP, Dick DM, Edenberg HJ, Kramer J, Kuperman S, McCutcheon VV, Nurnberger JI, Jr., Porjesz B, Schuckit M, Tischfield J, Bucholz KK, Agrawal A (2018). Exploring the relationship between polygenic risk for cannabis use, peer cannabis use, and the longitudinal course of cannabis involvement. *Addiction* [Epub ahead of print]. PMID: 30474892.
13. Korhonen T, Sihvola E, Latvala A, Dick DM, Pulkkinen L, Nurnberger J, Rose RJ, Kaprio J (2018). Early-onset tobacco use and suicide-related behavior - A prospective study from adolescence to young adulthood. *Addictive behaviors* 79:32-38. PMID: 29245024.
14. Liu D, Zhang H (2018). Residuals and Diagnostics for Ordinal Regression Models: A Surrogate Approach. *Journal of the American Statistical Association* 113(522):845-854. PMID: 30220754.

15. McCutcheon VV, Agrawal A, Kuo SI, Su J, Dick DM, Meyers JL, Edenberg HJ, Nurnberger JI, Kramer JR, Kuperman S, Schuckit MA, Hesselbrock VM, Brooks A, Porjesz B, Bucholz KK (2018). Associations of parental alcohol use disorders and parental separation with offspring initiation of alcohol, cigarette and cannabis use and sexual debut in high-risk families. *Addiction* 113(2):336-345. PMID: 28804966.
16. Olsson E, Bloom J, Bertelsen S, Budde JP, Breslau N, Brooks A, Culverhouse R, Chan G, Chen LS, Chorlian D, Dick DM, Edenberg HJ, Hartz S, Hatsukami D, Hesselbrock VM, Johnson EO, Kramer JR, Kuperman S, Meyers JL, Nurnberger J, Porjesz B, Saccone NL, Schuckit MA, Stitzel J, Tischfield JA, Rice JP, Goate A, Bierut LJ (2018). CYP2A6 metabolism in the development of smoking behaviors in young adults. *Addiction Biology* 23(1):437-447. PMID: 28032407.
17. Prytkova I, Goate A, Hart RP, Slesinger PA (2018). Genetics of Alcohol Use Disorder: A Role for Induced Pluripotent Stem Cells? *Alcoholism: clinical and experimental research* 42(9):1572-1590. PMID: 29897633.
18. Savage JE, Salvatore JE, Aliev F, Edwards AC, Hickman M, Kendler KS, Macleod J, Latvala A, Loukola A, Kaprio J, Rose RJ, Chan G, Hesselbrock V, Webb BT, Adkins A, Bigdeli TB, Riley BP, Dick DM (2018). Polygenic Risk Score Prediction of Alcohol Dependence Symptoms Across Population-Based and Clinically Ascertained Samples. *Alcoholism: clinical and experimental research* 42(3):520-530. PMID: 29405378.
19. Scarnati MS, Halikere A, Pang ZP (2018). Using human stem cells as a model system to understand the neural mechanisms of alcohol use disorders: Current status and outlook. *Alcohol* [Epub ahead of print]. PMID: 30087005.
20. Schuckit MA (2018). A Critical Review of Methods and Results in the Search for Genetic Contributors to Alcohol Sensitivity. *Alcoholism: Clinical and Experimental Research* 42(5):822-835. PMID: 29623680.
21. Schuckit MA, Smith TL, Danko G, Kramer J, Bucholz KK, McCutcheon V, Chan G, Kuperman S, Hesselbrock V, Dick DM, Hesselbrock M, Porjesz B, Edenberg HJ, Nureberger JI, Jr., Gregg M, Schoen L, Kawamura M, Mendoza LA (2018). A 22-Year Follow-Up (Range 16 to 23) of Original Subjects with Baseline Alcohol Use Disorders from the Collaborative Study on Genetics of Alcoholism. *Alcoholism, clinical and experimental research* 42(9):1704-1714. PMID: 29975427.
22. Smit DJA, Wright MJ, Meyers JL, Martin NG, Ho YYW, Malone SM, Zhang J, Burwell SJ, Chorlian DB, de Geus EJC, Denys D, Hansell NK, Hottenga JJ, McGue M, van Beijsterveldt CEM, Jahanshad N, Thompson PM, Whelan CD, Medland SE, Porjesz B, Lacono WG, Boomsma DI (2018). Genome-wide association analysis links multiple psychiatric liability genes to oscillatory brain activity. *Human brain mapping* 39(11):4183-4195.
23. Su J, Kuo SI, Aliev F, Guy MC, Derlan CL, Edenberg HJ, Nurnberger JI, Jr., Kramer JR, Bucholz KK, Salvatore JE, Dick DM (2018). Influence of Parental Alcohol Dependence Symptoms and Parenting on Adolescent Risky Drinking and Conduct Problems: A Family Systems Perspective. *Alcoholism: clinical and experimental research*, 42(9):1783-1794. PMID: 29969154.
24. Su J, Kuo SI, Bucholz KK, Edenberg HJ, Kramer JR, Schuckit M, Dick DM (2018) Understanding Mechanisms of Genetic Risk for Adolescent Internalizing and Externalizing Problems: The Mediating Role of Parenting and Personality. *Twin research and human genetics* 21(4):310-321. PMID: 30027866.
25. van der Vaart A, Meng X, Bowers MS, Batman AM, Aliev F, Farris SP, Hill JS, Green TA, Dick D, Wolstenholme JT, Miles MF (2018). Glycogen synthase kinase 3 beta regulates ethanol consumption and is a risk factor for alcohol dependence. *Neuropsychopharmacology*, 43(13):2521-2531. PMID: 30188517.
26. Wang K, Chen X, Ward SC, Liu Y, Ouedraogo Y, Xu C, Cederbaum AI, Lu Y (2018). CYP2A6 is associated with obesity: studies in human samples and a high fat diet mouse model. *International journal of obesity (2005)*. PMID: 29568101.

27. Wetherill L, Foroud T, Goodlett C (2018). Meta-Analyses of Externalizing Disorders: Genetics or Prenatal Alcohol Exposure? *Alcoholism, Clinical and Experimental Research* 42(1):162-172. PMID: 29063614.

Publications in 2017

1. Adkins AE, Hack LM, Bigdeli TB, Williamson VS, McMichael GO, Mamdani M, Edwards AC, Aliev F, Chan RF, Bhandari P, Raabe RC, Alaimo JT, Blackwell GG, Moscati A, Poland RS, Rood B, Patterson DG, Walsh D, Whitfield JB, Zhu G, Montgomery GW, Henders AK, Martin NG, Heath AC, Madden PAF, Frank J, Ridinger M, Wodarz N, Soyka M, Zill P, Ising M, Nothen MM, Kiefer F, Rietschel M, Gelernter J, Sherva R, Koesterer R, Almasy L, Zhao H, Kranzler HR, Farrer LA, Maher BS, Prescott CA, Dick DM, Bacanu SA, Mathies LD, Davies AG, Vladimirov VI, Grotewiel M, Bowers MS, Bettinger JC, Webb BT, Miles MF, Kendler KS, Riley BP (2017). Genomewide Association Study of Alcohol Dependence Identifies Risk Loci Altering Ethanol-Response Behaviors in Model Organisms. *Alcoholism: Clinical and Experimental Research* 41(5):911-928. PMID: 28226201.
2. ***Agrawal A, Chou YL, Carey CE, Baranger DAA, Zhang B, Sherva R, Wetherill L, Kapoor M, Wang JC, Bertelsen S, Anokhin AP, Hesselbrock V, Kramer J, Lynskey MT, Meyers JL, Nurnberger JI, Rice JP, Tischfield J, Bierut LJ, Degenhardt L, Farrer LA, Gelernter J, Hariri AR, Heath AC, Kranzler HR, Madden PAF, Martin NG, Montgomery GW, Porjesz B, Wang T, Whitfield JB, Edenberg HJ, Foroud T, Goate AM, Bogdan R, Nelson EC (2017). Genome-wide association study identifies a novel locus for cannabis dependence. *Mol Psychiatry (Epub)* PMID: 29112194.
3. Agrawal A, Tillman R, Grucza RA, Nelson EC, McCutcheon VV, Few L, Conner KR, Lynskey MT, Dick DM, Edenberg HJ, Hesselbrock VM, Kramer JR, Kuperman S, Nurnberger Jr JI, Schuckit MA, Porjesz B, Bucholz KK (2017). Reciprocal relationships between substance use and disorders and suicidal ideation and suicide attempts in the Collaborative Study of the Genetics of Alcoholism. *Journal of Affective Disorders* 213:96-104. PMID: 28213124.
4. Andersen AM, Pietrzak RH, Kranzler HR, Ma L, Zhou H, Liu X, Kramer J, Kuperman S, Edenberg HJ, Nurnberger JI, Jr., Rice JP, Tischfield JA, Goate A, Foroud TM, Meyers JL, Porjesz B, Dick DM, Hesselbrock V, Boerwinkle E, Southwick SM, Krystal JH, Weissman MM, Levinson DF, Potash JB, Gelernter J, Han S (2017). Polygenic Scores for Major Depressive Disorder and Risk of Alcohol Dependence. *JAMA psychiatry* 74(11):1153-1160. PMID: 28813562.
5. Bucholz KK, McCutcheon VV, Agrawal A, Dick DM, Hesselbrock VM, Kramer JR, Kuperman S, Nurnberger JI, Jr., Salvatore JE, Schuckit MA, Bierut LJ, Foroud TM, Chan G, Hesselbrock M, Meyers JL, Edenberg HJ, Porjesz B (2017). Comparison of Parent, Peer, Psychiatric, and Cannabis Use Influences Across Stages of Offspring Alcohol Involvement: Evidence from the COGA Prospective Study. *Alcoholism: Clinical and Experimental Research* 41:359-368. PMID: 28073157. PMC5272776.
6. Chartier KG, Hesselbrock MN, Hesselbrock VM (2017). Introduction: Special issue on genetic research of alcohol use disorder in diverse racial/ethnic populations. *The American Journal on Addictions* 26(5):422-423. PMID: 28672076.
7. Chartier KG, Hesselbrock MN, Hesselbrock VM (2017). Conclusion: Special issue on genetic and alcohol use disorder research with diverse racial/ethnic groups: Key findings and potential next steps. *The American Journal on Addictions* 26(5):532-537. PMID: 28745446.

8. Cho SB, Aliev F, Clark SL, Adkins AE, Edenberg HJ, Bucholz KK, Porjesz B, Dick DM (2017). Using Patterns of Genetic Association to Elucidate Shared Genetic Etiologies Across Psychiatric Disorders. *Behavior Genetics* 47(4):405-415. PMID: 28343281.
9. Chorlian DB, Rangaswamy M, Manz N, Meyers JL, Kang SJ, Kamarajan C, Pandey AK, Wang JC, Wetherill L, Edenberg H, Porjesz B (2017). Genetic correlates of the development of theta event related oscillations in adolescents and young adults. *International Journal of Psychophysiology* 115:24-39. PMID: 27847216. PMC5456461.
10. Dick DM (2017) Rethinking the Way We Do Research: The Benefits of Community-Engaged, Citizen Science Approaches and Nontraditional Collaborators. *Alcoholism: clinical and experimental research* 41(11):1849-1856. PMID: 29028120.
11. Dick DM, Barr P, Guy M, Nasim A, Scott D (2017). Review: Genetic research on alcohol use outcomes in African American populations: A review of the literature, associated challenges, and implications. *The American journal on addictions* 26(5):486-493. PMID: 28240821.
12. Grant JD, Agrawal A, Werner KB, McCutcheon VV, Nelson EC, Madden PAF, Bucholz KK, Heath AC, Sartor CE (2017). Phenotypic and familial associations between childhood maltreatment and cannabis initiation and problems in young adult European-American and African-American women. *Drug and alcohol dependence* 179:146-152. PMID: 28779616.
13. Hartz SM, Horton AC, Oehlert M, Carey CE, Agrawal A, Bogdan R, Chen LS, Hancock DB, Johnson EO, Pato CN, Pato MT, Rice JP, Bierut LJ (2017). Association Between Substance Use Disorder and Polygenic Liability to Schizophrenia. *Biological Psychiatry* 82(10):709-715. PMID: 28739213.
14. Kamarajan C, Pandey AK, Chorlian DB, Manz N, Stimus AT, Edenberg HJ, Wetherill L, Schuckit M, Wang JC, Kuperman S, Kramer J, Tischfield JA, Porjesz B (2017). A KCNJ6 gene polymorphism modulates theta oscillations during reward processing. *International Journal of Psychophysiology*, 115:13-23. PMID: 27993610.
15. Kuperman S, Chan G, Kramer J, Wetherill L, Acion L, Edenberg HJ, Foroud TM, Nurnberger J, Jr., Agrawal A, Anokhin A, Brooks A, Hesselbrock V, Hesselbrock M, Schuckit M, Tischfield J, Liu X (2017). A GABRA2 polymorphism improves a model for prediction of drinking initiation. *Alcohol (Fayetteville, NY)* 63:1-8. PMID: 28847377.
16. Li JJ, Cho SB, Salvatore JE, Edenberg HJ, Agrawal A, Chorlian DB, Porjesz B, Hesselbrock V, Dick DM (2017) The Impact of Peer Substance Use and Polygenic Risk on Trajectories of Heavy Episodic Drinking Across Adolescence and Emerging Adulthood. *Alcoholism: Clinical and Experimental Research* 41:65-75. PMID: 27991676.
17. Mathies LD, Aliev F, Davies AG, Dick DM, Bettinger JC (2017) Variation in SWI/SNF Chromatin Remodeling Complex Proteins is Associated with Alcohol Dependence and Antisocial Behavior in Human Populations. *Alcoholism: Clinical and Experimental Research* 41(12):2033-2040. PMID: 28981154.
18. McCutcheon VV, Agrawal A, Kuo SI, Su J, Dick DM, Meyers JL, Edenberg HJ, Nurnberger JI, Kramer JR, Kuperman S, Schuckit MA, Hesselbrock VM, Brooks A, Porjesz B, Bucholz KK (2017). Associations of Parental Alcohol Use Disorders and Parental Separation with Offspring Initiation of Alcohol, Cigarette, and Cannabis Use and Sexual Debut in High-Risk Families. *Addiction (Abingdon, England)*. PMID: 28804966.
19. McCutcheon VV, Schuckit MA, Kramer JR, Chan G, Edenberg HJ, Smith TL, Bender AK, Hesselbrock V, Hesselbrock M, Bucholz KK (2017). Familial association of abstinent remission from alcohol use disorder in first-degree relatives of alcohol-dependent treatment-seeking probands. *Addiction (Abingdon, England)*. PMID: 28556494.

20. Meyers JL, Zhang J, Manz N, Rangaswamy M, Kamarajan C, Wetherill L, Chorlian DB, Kang SJ, Bauer L, Hesselbrock V, Kramer J, Kuperman S, Nurnberger JI, Jr., Tischfield J, Wang JC, Edenberg HJ, Goate A, Foroud T, Porjesz B (2017). A genome wide association study of fast beta EEG in families of European ancestry. *International Journal of Psychophysiology*, 115:74-85. PMID: 28040410. PMC5426060.
21. Meyers JL, Zhang J, Wang JC, Su J, Kuo SI, Kapoor M, Wetherill L, Bertelsen S, Lai D, Salvatore JE, Kamarajan C, Chorlian D, Agrawal A, Almasy L, Bauer L, Bucholz KK, Chan G, Hesselbrock V, Koganti L, Kramer J, Kuperman S, Manz N, Pandey A, Seay M, Scott D, Taylor RE, Dick DM, Edenberg HJ, Goate A, Foroud T, Porjesz B (2017). An endophenotype approach to the genetics of alcohol dependence: a genome wide association study of fast beta EEG in families of African ancestry *Molecular Psychiatry* 22(12):1767-1775. PMID: 28070124.
22. Miller ML, Ren Y, Szutorisz H, Warren NA, Tessereau C, Egervari G, Mlodnicka A, Kapoor M, Chaarani B, Morris CV, Schumann G, Garavan H, Goate AM, Bannon MJ, Halperin JM, Hurd YL (2017). Ventral striatal regulation of CREM mediates impulsive action and drug addiction vulnerability. *Molecular Psychiatry*. PMID: 28439100.
23. Nurnberger JI, Jr. (2017). A Genetic Locus Associated With Depression: The Iceberg Begins to Melt. *Biological psychiatry* 82(5):304-305. PMID: 28781002.
24. Owusu D, Pan Y, Xie C, Harirforoosh S, Wang KS (2017) Polymorphisms in PDLIM5 gene are associated with alcohol dependence, type 2 diabetes, and hypertension. *Journal of Psychiatric Research* 84:27-34. PMID: 27693979.
25. Salvatore JE, Cho SB, Dick DM (2017). Genes, Environments, and Sex Differences in Alcohol Research. *Journal of studies on alcohol and drugs* 78(4):494-501. PMID: 28728631.
26. Schuckit MA, Smith TL, Danko G, Anthenelli R, Schoen L, Kawamura M, Kramer J, Dick DM, Neale Z, Kuperman S, McCutcheon V, Anokhin AP, Hesselbrock V, Hesselbrock M, Bucholz K (2017). A Prospective Comparison of How the Level of Response to Alcohol and Impulsivity Relate to Future DSM-IV Alcohol Problems in the COGA Youth Panel. *Alcoholism: Clinical and Experimental Research* 41(7):1329-1339. PMID: 28440866.
27. Schuckit MA, Smith TL, Shafir A, Clausen P, Danko G, Goncalves PD, Anthenelli RM, Chan G, Kuperman S, Hesselbrock M, Hesselbrock V, Kramer J, Bucholz KK (2017). Predictors of Patterns of Alcohol-Related Blackouts Over Time in Youth From the Collaborative Study of the Genetics of Alcoholism: The Roles of Genetics and Cannabis. *Journal of Studies on Alcohol and Drugs*, 78(1):39-48. PMID: 27936363. PMC5148748.
28. Wang M, Huang J, Liu Y, Ma L, Potash JB, Han S (2017). COMBAT: A Combined Association Test for Genes Using Summary Statistics. *Genetics* 207(3):883-891. PMID: 28878002.

Publications in 2016

1. Agrawal A, Edenberg HJ, Gelernter J (2016). Meta-Analyses of Genome-Wide Association Data Hold New Promise for Addiction Genetics. *Journal of Studies on Alcohol and Drugs* 77:676-680. PMID: 27588522. PMC5015465.
2. Bidwell LC, Palmer RH, Brick L, McGeary JE, Knopik VS (2016). Genome-wide single nucleotide polymorphism heritability of nicotine dependence as a multidimensional phenotype. *Psychological medicine* 46(10):2059-69. PMID: 27052577.
3. Carey CE, Agrawal A, Bucholz KK, Hartz SM, Lynskey MT, Nelson EC, Bierut LJ, Bogdan R (2016). Associations between Polygenic Risk for Psychiatric Disorders and Substance Involvement. *Frontiers in Genetics* 7:149. PMID: 27574527. PMC4983546.

4. Chartier KG, Dick DM, Almasy L, Chan G, Aliev F, Schuckit MA, Scott DM, Kramer J, Bucholz KK, Bierut LJ, Nurnberger J, Jr., Porjesz B, Hesselbrock VM (2016). Interactions Between Alcohol Metabolism Genes and Religious Involvement in Association With Maximum Drinks and Alcohol Dependence Symptoms. *Journal of Studies on Alcohol and Drugs* 77:393-404. PMID: 27172571. PMC4869897.
5. ***Clarke TK, Smith AH, Gelernter J, Kranzler HR, Farrer LA, Hall LS, Fernandez-Pujals AM, MacIntyre DJ, Smith BH, Hocking LJ, Padmanabhan S, Hayward C, Thomson PA, Porteous DJ, Deary IJ, McIntosh AM (2016). Polygenic risk for alcohol dependence associates with alcohol consumption, cognitive function and social deprivation in a population-based cohort. *Addiction Biology* 21:469-480. PMID: 25865819. PMC4600406.
6. De Filippis L, Halikere A, McGowan H, Moore JC, Tischfield JA, Hart RP, Pang ZP (2016). Ethanol-mediated activation of the NLRP3 inflammasome in iPSC cells and iPSC cells-derived neural progenitor cells. *Molecular brain*, 9(1):51. PMID: 27160314. PMC4862119.
7. Hao Y, Zhang P, Xuei X, Nakshatri H, Edenberg HJ, Li L, Liu Y (2016) Statistical modeling for sensitive detection of low-frequency single nucleotide variants. *BMC Genomics* 17 Suppl 7:514. PMID: 27556804. PMC5001245.
8. ***Johnson EO, Hancock DB, Levy JL, Gaddis NC, Page GP, Glasheen C, Saccone NL, Bierut LJ, Kral AH (2016). KAT2B polymorphism identified for drug abuse in African Americans with regulatory links to drug abuse pathways in human prefrontal cortex. *Addiction Biology* 21:1217-1232. PMID: 26202629. PMC4724343.
9. ***Kapoor M, Chou YL, Edenberg HJ, Foroud T, Martin NG, Madden PA, Wang JC, Bertelsen S, Wetherill L, Brooks A, Chan G, Hesselbrock V, Kuperman S, Medland SE, Montgomery G, Tischfield J, Whitfield JB, Bierut LJ, Heath AC, Bucholz KK, Goate AM, Agrawal A (2016) Genome-wide polygenic scores for age at onset of alcohol dependence and association with alcohol-related measures. *Translational Psychiatry* 6:e761. PMID: 27003187. PMC4872451.
10. ***Nelson EC, Agrawal A, Heath AC, Bogdan R, Sherva R, Zhang B, Al-Hasani R, Bruchas MR, Chou YL, Demers CH, Carey CE, Conley ED, Fakira AK, Farrer LA, Goate A, Gordon S, Henders AK, Hesselbrock V, Kapoor M, Lynskey MT, Madden PA, Moron JA, Rice JP, Saccone NL, Schwab SG, Shand FL, Todorov AA, Wallace L, Wang T, Wray NR, Zhou X, Degenhardt L, Martin NG, Hariri AR, Kranzler HR, Gelernter J, Bierut LJ, Clark DJ, Montgomery GW (2016). Evidence of CNIH3 involvement in opioid dependence. *Molecular Psychiatry* 21:608-614. PMID: 26239289. PMC4740268.
11. Olfson E, Bloom J, Bertelsen S, Budde JP, Breslau N, Brooks A, Culverhouse R, Chan G, Chen LS, Chorlian D, Dick DM, Edenberg HJ, Hartz S, Hatsukami D, Hesselbrock VM, Johnson EO, Kramer JR, Kuperman S, Meyers JL, Nurnberger J, Porjesz B, Saccone NL, Schuckit MA, Stitzel J, Tischfield JA, Rice JP, Goate A, Bierut LJ (2016). CYP2A6 metabolism in the development of smoking behaviors in young adults. *Addiction Biology*. PMID: 28032407.
12. Olfson E, Saccone NL, Johnson EO, Chen LS, Culverhouse R, Doheny K, Foltz SM, Fox L, Gogarten SM, Hartz S, Hetrick K, Laurie CC, Marosy B, Amin N, Arnett D, Barr RG, Bartz TM, Bertelsen S, Borecki IB, Brown MR, Chasman DI, van Duijn CM, Feitosa MF, Fox ER, Franceschini N, Franco OH, Grove ML, Guo X, Hofman A, Kardina SL, Morrison AC, Musani SK, Psaty BM, Rao DC, Reiner AP, Rice K, Ridker PM, Rose LM, Schick UM, Schwander K, Uitterlinden AG, Vojinovic D, Wang JC, Ware EB, Wilson G, Yao J, Zhao W, Breslau N, Hatsukami D, Stitzel JA, Rice J, Goate A, Bierut LJ (2016) Rare, low frequency and common coding variants in CHRNA5 and their contribution to nicotine dependence in European and African Americans. *Molecular Psychiatry* 21:601-607. PMID: 26239294. PMC4740321.
13. Oni EN, Halikere A, Li G, Toro-Ramos AJ, Swerdel MR, Verpeut JL, Moore JC, Bello NT, Bierut LJ, Goate A, Tischfield JA, Pang ZP, Hart RP (2016) Increased nicotine response in iPSC-derived human neurons carrying the CHRNA5 N398 allele. *Scientific reports*, 6:34341. PMID: 27698409. PMC5048107.

14. Oni EN, Hart RP (2016). Bioinformatic Analysis of DNA Methylation in Neural Progenitor Cell Models of Alcohol Abuse. *Current Pharmacology Reports* 2:203-210. PMID: 27774408. PMC5070667
15. Salvatore, J. E., & Dick, D. M. (2016). Genetic influences on conduct disorder. *Neuroscience and Biobehavioral Reviews*. doi: 10.1016/j.neubiorev.2016.06.034
16. ***Sherva R, Wang Q, Kranzler H, Zhao H, Koesterer R, Herman A, Farrer LA, Gelernter J (2016). Genome-wide Association Study of Cannabis Dependence Severity, Novel Risk Variants, and Shared Genetic Risks. *JAMA Psychiatry* 73:472-480. PMID: 27028160. PMC4974817.
17. ***Schwantes-An TH, Zhang J, Chen LS, Hartz SM, Culverhouse RC, Chen X, Coon H, Frank J, Kamens HM, Konte B, Kovanen L, Latvala A, Legrand LN, Maher BS, Melroy WE, Nelson EC, Reid MW, Robinson JD, Shen PH, Yang BZ, Andrews JA, Aveyard P, Beltcheva O, Brown SA, Cannon DS, Cichon S, Corley RP, Dahmen N, Degenhardt L, Foroud T, Gaebel W, Giegling I, Glatt SJ, Grucza RA, Hardin J, Hartmann AM, Heath AC, Herms S, Hodgkinson CA, Hoffmann P, Hops H, Huizinga D, Ising M, Johnson EO, Johnstone E, Kaneva RP, Kendler KS, Kiefer F, Kranzler HR, Krauter KS, Levran O, Lucae S, Lynskey MT, Maier W, Mann K, Martin NG, Mattheisen M, Montgomery GW, Muller-Myhsok B, Murphy MF, Neale MC, Nikolov MA, Nishita D, Nothen MM, Nurnberger J, Partonen T, Pergadia ML, Reynolds M, Ridinger M, Rose RJ, Rouvinen-Lagerstrom N, Scherbaum N, Schmal C, Soyka M, Stallings MC, Steffens M, Treutlein J, Tsuang M, Wall TL, Wodarz N, Yuferov V, Zill P, Bergen AW, Chen J, Cinciripini PM, Edenberg HJ, Ehringer MA, Ferrell RE, Gelernter J, Goldman D, Hewitt JK, Hopfer CJ, Iacono WG, Kaprio J, Kreek MJ, Kremensky IM, Madden PA, McGue M, Munafò MR, Philibert RA, Rietschel M, Roy A, Rujescu D, Saarikoski ST, Swan GE, Todorov AA, Vanyukov MM, Weiss RB, Bierut LJ, Saccone NL (2016). Association of the OPRM1 Variant rs1799971 (A118G) with Non-Specific Liability to Substance Dependence in a Collaborative de novo Meta-Analysis of European-Ancestry Cohorts. *Behavior Genetics* 46(2):151-169. PMID: 26392368. PMCID: 4752855
18. Smit D, Malone S, Burwell S, de Geus E, Hibar D, Thompson P, Boomsma D, Martin N, Medland S, Porjesz B, Iacono W (2016) ENIGMA-EEG: GWAS of brain function. *Behavior Genetics* 46:806-806. PMID: WOS:000386706600123.
19. ***van den Berg SM, de Moor MH, Verweij KJ, Krueger RF, Luciano M, Arias Vasquez A, Matteson LK, Derringer J, Esko T, Amin N, Gordon SD, Hansell NK, Hart AB, Seppala I, Huffman JE, Konte B, Lahti J, Lee M, Miller M, Nutile T, Tanaka T, Teumer A, Viktorin A, Wedenoja J, Abdellaoui A, Abecasis GR, Adkins DE, Agrawal A, Allik J, Appel K, Bigdeli TB, Busonero F, Campbell H, Costa PT, Smith GD, Davies G, de Wit H, Ding J, Engelhardt BE, Eriksson JG, Fedko IO, Ferrucci L, Franke B, Giegling I, Grucza R, Hartmann AM, Heath AC, Heinonen K, Henders AK, Homuth G, Hottenga JJ, Iacono WG, Janzing J, Jokela M, Karlsson R, Kemp JP, Kirkpatrick MG, Latvala A, Lehtimäki T, Liewald DC, Madden PA, Magri C, Magnusson PK, Marten J, Maschio A, Mbarek H, Medland SE, Mihailov E, Milaneschi Y, Montgomery GW, Nauck M, Nivard MG, Ouwens KG, Palotie A, Pettersson E, Polasek O, Qian Y, Pulkki-Raback L, Raitakari OT, Realo A, Rose RJ, Ruggiero D, Schmidt CO, Slutske WS, Sorice R, Starr JM, St Pourcain B, Sutin AR, Timpson NJ, Trochet H, Vermeulen S, Vuoksimaa E, Widen E, Wouda J, Wright MJ, Zgaga L, Porteous D, Minelli A, Palmer AA, Rujescu D, Ciullo M, Hayward C, Rudan I, Metspalu A, Kaprio J, Deary IJ, Raikonen K, Wilson JF, Keltikangas-Jarvinen L, Bierut LJ, Hottenga JM, Grabe HJ, Penninx BW, van Duijn CM, Evans DM, Schlessinger D, Pedersen NL, Terracciano A, McGue M, Martin NG, Boomsma DI (2016) Meta-analysis of Genome-Wide Association Studies for Extraversion: Findings from the Genetics of Personality Consortium. *Behavior Genetics* 46:170-182. PMID: 26362575. PMC4751159.

Publications in 2015

1. Agrawal A, Lynskey MT, Kapoor M, Bucholz KK, Edenberg HJ, Schuckit M, Brooks A, Hesselbrock V, Kramer J, Saccone N, Tischfield J, Bierut LJ (2015). Are genetic variants for tobacco smoking associated with cannabis involvement? *Drug and Alcohol Dependence* 150:183-187. PMID: 25770649
2. Aliev F, Wetherill L, Bierut L, Bucholz KK, Edenberg H, Foroud T, Investigators C, Dick DM (2015). Genes associated with alcohol outcomes show enrichment of effects with broad externalizing and impulsivity

phenotypes in an independent sample. *Journal of Studies on Alcohol and Drugs* 76(1):38-46. PMID: 25486392. PMCID: PMC4263779.

3. Blednov YA, Benavidez JM, Black M, Ferguson LB, Schoenhard GL, Goate AM, Edenberg HJ, Wetherill L, Hesselbrock V, Foroud T, Harris RA (2015). Peroxisome proliferator-activated receptors alpha and gamma are linked with alcohol consumption in mice and withdrawal and dependence in humans. *Alcoholism, Clinical and Experimental Research* 39(1):136-145. PMID: 25516156. PMCID: PMC4308472.
4. Blustein EC, Munn-Chernoff MA, Grant JD, Sartor CE, Waldron M, Bucholz KK, Madden PA, Heath AC (2015) The Association of Low Parental Monitoring With Early Substance Use in European American and African American Adolescent Girls. *Journal of Studies on Alcohol and Drugs* 76:852-861. PMID: 26562593.
5. *** Carey CE, Agrawal A, Zhang B, Conley ED, Degenhardt L, Heath AC, Li D, Lynskey MT, Martin NG, Montgomery GW, Wang T, Bierut LJ, Hariri AR, Nelson EC, Bogdan R (2015). Monoacylglycerol lipase (MGLL) polymorphism rs604300 interacts with childhood adversity to predict cannabis dependence symptoms and amygdala habituation: Evidence from an endocannabinoid system-level analysis. *Journal of Abnormal Psychology* 124:860-877. PMID: 26595473.
6. Chen LS, Baker TB, Jorenby D, Piper M, Saccone N, Johnson E, Breslau N, Hatsukami D, Carney RM, Bierut LJ (2015). Genetic variation (CHRNA5), medication (combination nicotine replacement therapy vs. varenicline), and smoking cessation. *Drug and Alcohol Dependence* 154:278-282. PMID: 26142345. PMCID: PMC4537319.
7. ***Chen LS, Hung RJ, Baker T, Horton A, Culverhouse R, Saccone N, Cheng I, Deng B, Han Y, Hansen HM, Horsman J, Kim C, Lutz S, Rosenberger A, Aben KK, Andrew AS, Breslau N, Chang SC, Dieffenbach AK, Dienemann H, Frederiksen B, Han J, Hatsukami DK, Johnson EO, Pande M, Wensch MR, McLaughlin J, Skaug V, van der Heijden HF, Wampfler J, Wenzlaff A, Woll P, Zienolddiny S, Bickeboller H, Brenner H, Duell EJ, Haugen A, Heinrich J, Hokanson JE, Hunter DJ, Kiemeny LA, Lazarus P, Le Marchand L, Liu G, Mayordomo J, Risch A, Schwartz AG, Teare D, Wu X, Wiencke JK, Yang P, Zhang ZF, Spitz MR, Kraft P, Amos CI, Bierut LJ (2015). CHRNA5 risk variant predicts delayed smoking cessation and earlier lung cancer diagnosis-a meta-analysis. *Journal of the National Cancer Institute* 107(5). PMID: 25873736. PMCID: PMC4822525
8. Chorlian DB, Ranganaswamy M, Manz N, Kamarajan C, Pandey AK, Edenberg H, Kuperman S, Porjesz B (2015). Gender modulates the development of Theta Event Related Oscillations in Adolescents and Young Adults. *Behavioural Brain Research* 292(1):342-352. PMID: 26102560.
9. Conner KR, Wyman P, Goldston DB, Bossarte RM, Lu N, Kaukeinen K, Tu XM, Houston RJ, Lamis DA, Chan G, Bucholz KK, Hesselbrock VM (2014). Two Studies of Connectedness to Parents and Suicidal Thoughts and Behavior in Children and Adolescents. *Journal of Clinical Child and Adolescent Psychology* 53:1-12. PMID: 25310350
10. Dick DM, Agrawal A, Keller MC, Adkins A, Aliev F, Monroe S, Hewitt JK, Kendler KS, Sher KJ (2015). Candidate gene-environment interaction research: reflections and recommendations. *Perspectives on Psychological Science* 10(1):37-59. PMID: 25620996. PMCID: PMC4302784.
11. *** Gelernter J, Kranzler HR, Sherva R, Almasy L, Herman AI, Koesterer R, Zhao H, Farrer LA (2015). Genome-wide association study of nicotine dependence in American populations: identification of novel risk loci in both African-Americans and European-Americans. *Biological Psychiatry* 77(5):493-503. PMID: 25555482. PMCID: PMC4386684.
12. Grucza RA, Hur M, Agrawal A, Krauss MJ, Plunk AD, Cavazos-Rehg PA, Chaloupka FJ, Bierut LJ (2015). A reexamination of medical marijuana policies in relation to suicide risk. *Drug and Alcohol Dependence* 152:68-72. PMID: 25979644. PMC: 4459507.
13. *** Hancock DB, Levy JL, Gaddis NC, Glasheen C, Saccone NL, Page GP, Hulse GK, Wildenauer D, Kelty EA, Schwab SG, Degenhardt L, Martin NG, Montgomery GW, Attia J, Holliday EG, McEvoy M, Scott RJ, Bierut LJ,

- Nelson EC, Kral AH, Johnson EO (2015). Cis-Expression Quantitative Trait Loci Mapping Reveals Replicable Associations with Heroin Addiction in OPRM1. *Biological Psychiatry*. PMID: 25744370. PMCID: PMC4519434.
14. *** Hancock DB, Levy JL, Gaddis NC, Glasheen C, Saccone NL, Page GP, Bierut LJ, Kral AH, Johnson EO (2015). Replication of ZNF804A gene variant associations with risk of heroin addiction. *Genes, Brain and Behavior*. PMID: 26382569.
 15. *** Hancock DB, Reginsson GW, Gaddis NC, Chen X, Saccone NL, Lutz SM, Qaiser B, Sherva R, Steinberg S, Zink F, Stacey SN, Glasheen C, Chen J, Gu F, Frederiksen BN, Loukola A, Gudbjartsson DF, Bruske I, Landi MT, Bickeboller H, Madden P, Farrer L, Kaprio J, Kranzler HR, Gelernter J, Baker TB, Kraft P, Amos CI, Caporaso NE, Hokanson JE, Bierut LJ, Thorgeirsson TE, Johnson EO, Stefansson K (2015). Genome-wide meta-analysis reveals common splice site acceptor variant in CHRNA4 associated with nicotine dependence. *Translational Psychiatry* 5:e651. PMID: 26440539.
 16. Kamarajan, C, Pandey, AK, Chorlian, DB, and Porjesz, B (2015). The use of current source density as electrophysiological correlates in neuropsychiatric disorders: a review of human studies. *International Journal of Psychophysiology* 97(3):310-322. PMID: 25448264.
 17. Kamarajan C, Pandey AK, Chorlian DB, Manz N, Stimus AT, Bauer LO, Hesselbrock VM, Schuckit MA, Kuperman S, Kramer J, Porjesz B (2015). Reward processing deficits and impulsivity in high-risk offspring of alcoholics: A study of event-related potentials during a monetary gambling task. *International Journal of Psychophysiology* 98:182-200. PMID: 26388585.
 18. Kamarajan C, Pandey AK, Chorlian DB, Manz N, Stimus AT, Anokhin AP, Bauer LO, Kuperman S, Kramer J, Bucholz KK, Schuckit MA, Hesselbrock VM, Porjesz B (2015). Deficient Event-Related Theta Oscillations in Individuals at Risk for Alcoholism: A Study of Reward Processing and Impulsivity Features. *PloS One* 10:e0142659. PMID: 26580209.
 19. Kamarajan, C and Porjesz, B (2015). Advances in Electrophysiological Research. *Alcohol Research: Current Reviews* 37:53-87. PMCID: PMC4476604.
 20. Kapoor M, Agrawal A. (2015). Commentary: sex differences in the pathways to symptoms of alcohol use disorder: a study of opposite-sex twin pairs. *Alcohol Clin Exp Res*. 39(6): 950-2. PMID: 25912665.
 21. Long EC, Aliev F, Wang JC, Edenberg HJ, Nurnberger J Jr, Hesselbrock V, Porjesz B, Dick DM. (2015). Further Analyses of Genetic Association between GRM8 and Alcohol Dependence Symptoms among Young Adults. *Journal of Studies on Alcohol and Drugs* 77(3):414-418. PMID: 25978827.
 22. *** Machiela MJ, Zhou W, Sampson JN, Dean MC, Jacobs KB, Black A, Brinton LA, Chang IS, Chen C, Chen C, Chen K, Cook LS, Crous Bou M, De Vivo I, Doherty J, Friedenreich CM, Gaudet MM, Haiman CA, Hankinson SE, Hartge P, Henderson BE, Hong YC, Hosgood HD 3rd, Hsiung CA, Hu W, Hunter DJ, Jessop L, Kim HN, Kim YH, Kim YT, Klein R, Kraft P, Lan Q, Lin D, Liu J, Le Marchand L, Liang X, Lissowska J, Lu L, Magliocco AM, Matsuo K, Olson SH, Orlov I, Park JY, Pooler L, Prescott J, Rastogi R, Risch HA, Schumacher F, Seow A, Setiawan VW, Shen H, Sheng X, Shin MH, Shu XO, VanDen Berg D, Wang JC, Wentzensen N, Wong MP, Wu C, Wu T, Wu YL, Xia L, Yang HP, Yang PC, Zheng W, Zhou B, Abnet CC, Albanes D, Aldrich MC, Amos C, Amundadottir LT, Berndt SI, Blot WJ, Bock CH, Bracci PM, Burdett L, Buring JE, Butler MA, Carreón T, Chatterjee N, Chung CC, Cook MB, Cullen M, Davis FG, Ding T, Duell EJ, Epstein CG, Fan JH, Figueroa JD, Fraumeni JF Jr, Freedman ND, Fuchs CS, Gao YT, Gapstur SM, Patiño-Garcia A, Garcia-Closas M, Gaziano JM, Giles GG, Gillanders EM, Giovannucci EL, Goldin L, Goldstein AM, Greene MH, Hallmans G, Harris CC, Henriksson R, Holly EA, Hoover RN, Hu N, Hutchinson A, Jenab M, Johansen C, Khaw KT, Koh WP, Kolonel LN, Kooperberg C, Krogh V, Kurtz RC, LaCroix A, Landgren A, Landi MT, Li D, Liao LM, Malats N, McGlynn KA, McNeill LH, McWilliams RR, Melin BS, Mirabello L, Peplonska B, Peters U, Petersen GM, Prokunina-Olsson L, Purdue M, Qiao YL, Rabe KG, Rajaraman P, Real FX, Riboli E, Rodríguez-Santiago B, Rothman N, Ruder AM, Savage SA, Schwartz AG, Schwartz KL, Sesso HD, Severi G, Silverman DT, Spitz MR, Stevens VL, Stolzenberg-Solomon R, Stram D, Tang ZZ, Taylor PR, Teras LR, Tobias GS, Viswanathan K,

- Wacholder S, Wang Z, Weinstein SJ, Wheeler W, White E, Wiencke JK, Wolpin BM, Wu X, Wunder JS, Yu K, Zanetti KA, Zeleniuch-Jacquotte A, Ziegler RG, de Andrade M, Barnes KC, Beaty TH, Bierut LJ, Desch KC, Doheny KF, Feenstra B, Ginsburg D, Heit JA, Kang JH, Laurie CA, Li JZ, Lowe WL, Marazita ML, Melbye M, Mirel DB, Murray JC, Nelson SC, Pasquale LR, Rice K, Wiggs JL, Wise A, Tucker M, Pérez-Jurado LA, Laurie CC, Caporaso NE, Yeager M, and Chanock SJ. (2015). Characterization of large structural genetic mosaicism in human autosomes. *American Journal of Human Genetics* 96(3):487-497. PMID: 25748358.
23. Mamdani M, Williamson V, McMichael GO, Blevins T, Aliev F, Adkins A, Hack L, Bigdeli T, A DvdV, Web BT, Bacanu SA, Kalsi G, Consortium C, Kendler KS, Miles MF, Dick D, Riley BP, Dumur C, Vladimirov VI (2015). Integrating mRNA and miRNA Weighted Gene Co-Expression Networks with eQTLs in the Nucleus Accumbens of Subjects with Alcohol Dependence. *PloS One* 10(9):e0137671. PMID: 26381263. PMCID: PMC4575063.
 24. Ohannessian CM, Finan LJ, Schulz J, Hesselbrock V (2015). A Long-Term Longitudinal Examination of the Effect of Early Onset of Alcohol and Drug Use on Later Alcohol Abuse. *Substance Abuse* 36:440-444. PMID: 25671782. PMCID: PMC4532648.
 25. Sadler B, Haller G, Edenberg H, Tischfield J, Brooks A, Kramer J, Schuckit M, Nurnberger J, Goate A (2015). Positive Selection on Loci Associated with Drug and Alcohol Dependence. *PLOS One* 10(8):e0134393. PMID: 26270548. PMCID: PMC4536217.
 26. Salvatore, JE, Aliev, F, Bucholz, K, Agrawal, A, Hesselbrock, V, Hesselbrock, M, Bauer, L, Kuperman, S, Schuckit, MA, Kramer, J, Edenberg, HJ, Foroud, T, and Dick, DM (2015). Polygenic risk for externalizing disorders: Gene-by-development and gene-by-environment effects in adolescents and young adults. *Clinical Psychological Science* 3(2):189-201.
 27. Salvatore JE, Dick DM (2015). Gene-Environment Interplay: Where We Are, Where We Are Going. *Journal of Marriage and Family* 77(2):344-350. PMID: 25838604. PMCID: 4378262.
 28. Salvatore JE, Meyers JL, Yan J, Dodge KA, Bates JE, Pettit GS, . . . Dick DM (2015). Intergenerational continuity in parents' and adolescents' externalizing problems: The role of life events and their interaction with GABRA2. *Journal of Abnormal Psychology*, 124, 709-728. doi: 10.1037/abn0000066
 29. Salvatore JE, Edwards AC, McClintick JN, Bigdeli TB, Aliev F, Edenberg, HJ, Foroud T, Hesselbrock V, Kramer J, Nurnberger Jr, JI, Schuckit M, Tischfield JA, Xuei X, & Dick DM (2015). Genome-wide association data suggest *ABCB1* and immune-related gene sets may be involved in adult antisocial behavior. *Translational Psychiatry*, e558. doi: 10.1038/tp.2015.36
 30. Salvatore JE, Gottesman II, & Dick DM (2015). Endophenotypes for alcohol use disorder: an update on the field. *Current Addiction Reports*, 2, 76-90. doi: 10.1007/s40429-015-0046-y
 31. Wetherill L, Agrawal A, Kapoor M, Bertelsen S, Bierut LJ, Brooks A, Dick D, Hesselbrock M, Hesselbrock V, Koller DL, Le N, Nurnberger JI, Jr., Salvatore JE, Schuckit M, Tischfield JA, Wang JC, Xuei X, Edenberg HJ, Porjesz B, Bucholz K, Goate AM, Foroud T (2015). Association of substance dependence phenotypes in the COGA sample. *Addiction Biology* 20(3):617-627. PMID: 24832863.
 32. *** Xu K, Kranzler HR, Sherva R, Sartor CE, Almasy L, Koesterer R, Zhao H, Farrer LA, Gelernter J (2015). Genomewide Association Study for Maximum Number of Alcoholic Drinks in European Americans and African Americans. *Alcoholism, Clinical and Experimental Research* 39(7):1137-1147. PMID: 26036284.
 33. *** Yu D, Mathews CA, Scharf JM, Neale BM, Davis LK, Gamazon ER, Derks EM, Evans P, Edlund CK, Crane J, Fagerness JA, Osiecki L, Gallagher P, Gerber G, Haddad S, Illmann C, McGrath LM, Mayerfeld C, Arepalli S, Barlassina C, Barr CL, Bellodi L, Benarroch F, Berri  GB, Bienvenu OJ, Black DW, Bloch MH, Brentani H, Bruun RD, Budman CL, Camarena B, Campbell DD, Cappi C, Silgado JC, Cavallini MC, Chavira DA, Chouinard S, Cook EH, Cookson MR, Coric V, Cullen B, Cusi D, Delorme R, Denys D, Dion Y, Eapen V,

Egberts K, Falkai P, Fernandez T, Fournier E, Garrido H, Geller D, Gilbert DL, Girard SL, Grabe HJ, Grados MA, Greenberg BD, Gross-Tsur V, Grünblatt E, Hardy J, Heiman GA, Hemmings SM, Herrera LD, Hezel DM, Hoekstra PJ, Jankovic J, Kennedy JL, King RA, Konkashbaev AI, Kremeyer B, Kurlan R, Lanzagorta N, Leboyer M, Leckman JF, Lennertz L, Liu C, Lochner C, Lowe TL, Lupoli S, Macciardi F, Maier W, Manunta P, Marconi M, McCracken JT, Mesa Restrepo SC, Moessner R, Moorjani P, Morgan J, Muller H, Murphy DL, Naarden AL, Nurmi E, Ochoa WC, Ophoff RA, Pakstis AJ, Pato MT, Pato CN, Piacentini J, Pittenger C, Pollak Y, Rauch SL, Renner T, Reus VI, Richter MA, Riddle MA, Robertson MM, Romero R, Rosário MC, Rosenberg D, Ruhrmann S, Sabatti C, Salvi E, Sampaio AS, Samuels J, Sandor P, Service SK, Sheppard B, Singer HS, Smit JH, Stein DJ, Strengman E, Tischfield JA, Turiel M, Valencia Duarte AV, Vallada H, Veenstra-VanderWeele J, Walitza S, Wang Y, Weale M, Weiss R, Wendland JR, Westenberg HG, Shugart YY, Hounie AG, Miguel EC, Nicolini H, Wagner M, Ruiz-Linares A, Cath DC, McMahon W, Posthuma D, Oostra BA, Nestadt G, Rouleau GA, Purcell S, Jenike MA, Heutink P, Hanna GL, Conti DV, Arnold PD, Freimer NB, Stewart SE, Knowles JA, Cox NJ, and Pauls DL (2015). Cross-Disorder Genome-Wide Analyses Suggest a Complex Genetic Relationship Between Tourette's Syndrome and OCD. *American Journal of Psychiatry* 172(1):82-93. PMID: 25158072. PMCID: PMC4282594.

Publications in 2014

1. Agrawal, A., Lynskey, M.T., Bucholz, K.K., Kapoor, M., Almasy, L., Dick, D.M., Edenberg, H.J., Foroud, T., Goate, A., Hancock, D.B., Hartz, S., Johnson, E.O., Hesselbrock, V., Kramer, J.R., Kuperman, S., Nurnberger Jr., J.I., Schuckit, M., and Bierut, L.J. (2014). DSM-5 cannabis use disorder: A phenotypic and genomic perspective. *Drug and Alcohol Dependence* 134(1):362-369. PMID: 24315570. PMCID: PMC3943464.
2. Conner, K., Bossarte, R., Lu, N., Kaukeinen, K., Chan, G., Wyman, P., Tu, X., Goldston, D., Houston, R., Bucholz, K., and Hesselbrock, V. (2014). Parent- and child psychopathology and suicide attempts among children of parents with alcohol use disorder. *Archives of Suicide Research* 18(2):117-130. PMID: 24716789. PMCID: PMC4059391.
3. Culverhouse, R.C., Johnson, E.O., Breslau, N., Hatsukami, D.K., Sadler, B., Brooks, A.I., Hesselbrock, V.M., Schuckit, M.A., Tischfield, J.A., Goate, A.M., Saccone, N.L., and Bierut, L.J. (2014). Multiple distinct *CHRNA3-CHRNA6* variants are genetic risk factors for nicotine dependence in African Americans and European Americans. *Addiction* 109(5):814-822. PMID: 24401102. PMCID: PMC3984604.
4. Dick, D.M., Cho, S.B., Latendresse, S.J., Aliev, F., Nurnberger, Jr, J.I., Edenberg, H.J., Schuckit, M., Hesselbrock, V.M., Porjesz, B., Bucholz, K., Wang, J.-C., Goate, A., Kramer, J.R., and Kuperman, S. (2014). Genetic influences on alcohol use across stages of development: *GABRA2* and longitudinal trajectories of drunkenness from adolescence to young adulthood. *Addiction Biology* 19(6):1055-1064. PMID: 23692184. PMCID: PMC3783626
5. Edenberg, H.J. and Foroud, T. (2014). Genetics of alcoholism. In: Sullivan, E.V. and Pfefferbaum, A. (eds.), *Handbook of Clinical Neurology, Volume 125 (3rd edition), Alcohol and the Nervous System*. Elsevier B.V., The Netherlands, ISBN-13: 978-0444626196. *Handbook of Clinical Neurology* 125C:561-571. PMID: 25307596.
6. *** Gelernter, J., Kranzler, H.R., Sherva, R., Almasy, L., Koesterer, R., Smith, A.H., Anton, R., Preuss, U.W., Ridinger, M., Rujescu, D., Wodarz, N., Zill, P., Zhao, H., and Farrer, L.A. (2014). Genome-wide association study of alcohol dependence: significant findings in African- and European-Americans including novel risk loci. *Molecular Psychiatry* 19(1):41-49. PMID: 24166409.
7. *** Gelernter, J., Kranzler, H.R., Sherva, R., Koesterer, R., Almasy, L., Zhao, H.Y., and Farrer, L.A. (2014). Genome-Wide Association Study of Opioid Dependence: Multiple Associations Mapped to Calcium and Potassium Pathways. *Biological Psychiatry*, 76(1):66-74. PMID: 24143882. PMCID: PMC3992201.
8. Glass, J.E., Williams, E.C., and Bucholz K.K. (2014). Psychiatric comorbidity and perceived alcohol stigma in a nationally representative sample of individuals with DSM-5 alcohol use disorder. *Alcoholism: Clinical and Experimental Research* 38(6):1697-1705. PMID: 24848495. PMCID: PMC4059348

9. Haller, G., Kapoor, M., Budde, J., Xuei, X., Edenberg, H., Nurnberger, J., Kramer, J., Brooks, A., Tischfield, J., Almasy, L., Agrawal, A., Bucholz, K., Rice, J., Saccone, N., Bierut, L., and Goate, A. (2014). Rare missense variants in *CHRNA3* and *CHRNA3* are associated with risk of alcohol and cocaine dependence. *Human Molecular Genetics* 23(3):810-819. PMID: 24057674. PMCID: PMC3888263.
10. Hartz, S.M., Pato, C.N., Medeiros, H., Cavazos-Rehg, P., Sobell, J.L., Knowles, J.A., Bierut, L.J., Pato, M.T., and Genomic Psychiatry Cohort Consortium (2014). Comorbidity of severe psychotic disorders with measures of substance use. *JAMA Psychiatry* 71(3):248-254. PMID: 24382686. PMCID: PMC4060740.
11. Hartz, S.M., Bierut, L.J., and Pato, M.T. (2014). Very Small P Values-Reply. *JAMA Psychiatry* 71(8):969. PMID: 25102905.
12. Iyer-Eimerbrink, P.A. and Nurnberger, J.I. Jr. (2014). Genetics of alcoholism. *Current Psychiatry Reports* 6(12):518. PMID: 25399692.
13. Kapoor, M., Wang, J.-C., Wetherill, L., Le, N., Bertelsen, S., Hinrichs, A.L., Budde, J., Agrawal, A., Almasy, L., Bucholz, K., Dick, D.M., Harari, O., Xiaoling, X., Hesselbrock, V., Kramer, J., Nurnberger Jr, J.I., Rice, J., Schuckit, M., Tischfield, J., Porjesz, B., Edenberg, H.J., Bierut, L., Foroud, T., and Goate, A. (2014). Genome-wide survival analysis of age at onset of alcohol dependence in extended high-risk COGA families. *Drug and Alcohol Dependence* 142:56-62. PMID: 24962325.
14. McClintick, J.N., Brooks, A.I., Deng, L., Liang, L., Wang, J.C., Kapoor, M., Xuei, X., Foroud, T., Tischfield, J.A., and Edenberg, H.J. (2014). Ethanol treatment of lymphoblastoid cell lines from alcoholics and non-alcoholics causes many subtle changes in gene expression. *Alcohol* 48(6):603-610. PMID: 25129674.
15. McCutcheon, V.V., Kramer, J.R., Edenberg, H.J., Nurnberger, J.I., Kuperman, S., Schuckit, M.A., Heath, A.C., and Bucholz, K.K. (2014). Social Contexts of Remission from DSM-5 Alcohol Use Disorder in a High-Risk Sample. *Alcoholism: Clinical and Experimental Research* 38(7):2015-2023. PMID: 24942361. PMCID: PMC4107016.
16. Olfson, E., Edenberg, H.J., Nurnberger, J. Jr, Agrawal, A., Bucholz, K.K., Almasy, L.A., Chorlian, D., Dick, D.M., Hesselbrock, V.M., Kramer, J.R., Kuperman, S., Porjesz, B., Schuckit, M.A., Tischfield, J.A., Wang, J.C., Wetherill, L., Foroud, T.M., Rice, J., Goate, A., and Bierut, L.J. (2014). An *ADH1B* Variant and Peer Drinking in Progression to Adolescent Drinking Milestones: Evidence of a Gene-by-Environment Interaction. *Alcoholism: Clinical and Experimental Research* 38(10): 2541-2549. PMID: 25257461.
17. *** Perry, J.R., Day, F., Elks, C.E., Sulem, P., Thompson, D.J., Ferreira, T., He, C., Chasman, D.I., Esko, T., Thorleifsson, G., Albrecht, E., Ang, W.Q., Corre, T., Cousminer, D.L., Feenstra, B., Franceschini, N., Ganna, A., Johnson, A.D., Kjellqvist, S., Lunetta, K.L., McMahon, G., Nolte, I.M., Paternoster, L., Porcu, E., Smith, A.V., Stolk, L., Teumer, A., Tšernikova, N., Tikkanen, E., Ulivi, S., Wagner, E.K., Amin, N., Bierut, L.J., Byrne, E.M., Hottenga, J.J., Koller, D.L., Mangino, M., Pers, T.H., Yerges-Armstrong, L.M., Hua Zhao, J., Andrusis, I.L., Anton-Culver, H., Atsma, F., Bandinelli, S., Beckmann, M.W., Benitez, J., Blomqvist, C., Bojesen, S.E., Bolla, M.K., Bonanni, B., Brauch, H., Brenner, H., Buring, J.E., Chang-Claude, J., Chanock, S., Chen, J., Chenevix-Trench, G., Collée, J.M., Couch, F.J., Couper, D., Coviello, A.D., Cox, A., Czene, K., D'Adamo, A.P., Davey Smith, G., De Vivo, I., Demerath, E.W., Dennis, J., Devilee, P., Dieffenbach, A.K., Dunning, A.M., Eiriksdottir, G., Eriksson, J.G., Fasching, P.A., Ferrucci, L., Flesch-Janys, D., Flyger, H., Foroud, T., Franke, L., Garcia, M.E., García-Closas, M., Geller, F., de Geus, E.E., Giles, G.G., Gudbjartsson, D.F., Gudnason, V., Guénel, P., Guo, S., Hall, P., Hamann, U., Haring, R., Hartman, C.A., Heath, A.C., Hofman, A., Hoening, M.J., Hopper, J.L., Hu, F.B., Hunter, D.J., Karasik, D., Kiel, D.P., Knight, J.A., Kosma, V.M., Kutalik, Z., Lai, S., Lambrechts, D., Lindblom, A., Mägi, R., Magnusson, P.K., Mannervaa, A., Martin, N.G., Masson, G., McArdle, P.F., McArdle, W.L., Melbye, M., Michailidou, K., Mihailov, E., Milani, L., Milne, R.L., Nevanlinna, H., Neven, P., Nohr, E.A., Oldehinkel, A.J., Oostra, B.A., Palotie, A., Peacock, M., Pedersen, N.L., Peterlongo, P., Peto, J., Pharoah, P.D., Postma, D.S., Pouta, A., Pylkäs, K., Radice, P., Ring, S., Rivadeneira, F., Robino, A., Rose, L.M., Rudolph, A., Salomaa, V., Sanna, S., Schlessinger, D., Schmidt, M.K., Southey, M.C., Sovio, U., Stampfer, M.J., Stöckl, D., Stortiolo, A.M., Timpson, N.J., Tyrer, J., Visser, J.A., Vollenweider, P., Völzke, H., Waeber, G., Waldenberger,

- M., Wallaschowski, H., Wang, Q., Willemsen, G., Winqvist, R., Wolffenbuttel, B.H., Wright, M.J.; Australian Ovarian Cancer Study; The GENICA Network; kConFab; The LifeLines Cohort Study; The InterAct Consortium; Early Growth Genetics (EGG) Consortium, Boomsma, D.I., Econs, M.J., Khaw, K.T., Loos, R.J., McCarthy, M.I., Montgomery, G.W., Rice, J.P., Streeten, E.A., Thorsteinsdottir, U., van Duijn, C.M., Alizadeh, B.Z., Bergmann, S., Boerwinkle, E., Boyd, H.A., Crisponi, L., Gasparini, P., Gieger, C., Harris, T.B., Ingelsson, E., Järvelin, M.R., Kraft, P., Lawlor, D., Metspalu, A., Pennell, C.E., Ridker, P.M., Snieder, H., Sørensen, T.I., Spector, T.D., Strachan, D.P., Uitterlinden, A.G., Wareham, N.J., Widen, E., Zygmont, M., Murray, A., Easton, D.F., Stefansson, K., Murabito, J.M., and, Ong, K.K. (2014). Parent-of-origin specific allelic associations among 106 genomic loci for age at menarche. *Nature* 514(7520):92-7. PMID: 24884913. PMCID: PMC4185210.
18. *** Peterson, R.E., Maes, H.H., Lin, P., Kramer, J.R., Hesselbrock V.M., Bauer L.O., Nurnberger J.I., Edenberg, H.J., Dick, D.M., Webb, B.T. (2014). On the association of common and rare genetic variation influencing body mass index: a combined SNP and CNV analysis. *BMC Genomics* 15(1):368. PMID: 24884913. PMCID: 24884913. PMCID: PMC4035084.
 19. Ranaswamy, M. and Porjesz, B. (2014). Understanding alcohol use disorders with neuroelectrophysiology. In: Sullivan, E.V. and Pfefferbaum, A. (eds.), *Handbook of Clinical Neurology*, Volume 125 (3rd edition), Alcohol and the Nervous System. Elsevier B.V., The Netherlands, ISBN-13: 978-0444626196. *Handbook of Clinical Neurology* 125C:383-414. PMID: 25307587.
 20. *** Sadler, B., Haller, G., Agrawal, A., Culverhouse, R., Bucholz, K., Brooks, A., Tischfield, J., Johnson, E.O., Edenberg, H., Schuckit, M., Saccone, N., Bierut, L., and Goate, A. (2014). Variants near *CHRNA6* are associated with DSM-5 cocaine use disorder: evidence for pleiotropy. *Scientific Reports* 4:4497. PMID: 24675634.
 21. Schuckit, M.A., Smith, T.L., Danko, G.P., Bucholz, K.K., Agrawal, A., Dick, D.M., Nurnberger, J.I., Kramer, J., Hesselbrock, M., Saunders, G., and Hesselbrock, V. (2014). Predictors of subgroups based on maximum drinks per occasion over six years for 833 adolescents and young adults in COGA. *Journal of Studies on Alcohol and Drugs* 75(1):24-34. PMID: 24411794. PMCID: PMC3893632.
 22. van den Berg, S.M., de Moor, M.H., McGue, M., Pettersson, E., Terracciano, A., Verweij, K.J., Amin, N., Derringer, J., Esko, T., van Grootheest, G., Hansell, N.K., Huffman, J., Konte, B., Lahti, J., Luciano, M., Matteson, L.K., Viktorin, A., Wouda, J., Agrawal, A., Allik, J., Bierut, L., Broms, U., Campbell, H., Smith, G.D., Eriksson, J.G., Ferrucci, L., Franke, B., Fox, J.P., de Geus, E.J., Giegling, I., Gow, A.J., Grucza, R., Hartmann, A.M., Heath, A.C., Heikkilä, K., Iacono, W.G., Janzing, J., Jokela, M., Kiemeny, L., Lehtimäki, T., Madden, P.A., Magnusson, P.K., Northstone, K., Ntile, T., Ouwers, K.G., Palotie, A., Pattie, A., Pesonen, A.K., Polasek, O., Pulkkinen, L., Pulkki-Råback, L., Raitakari, O.T., Realo, A., Rose, R.J., Ruggiero, D., Seppälä, I., Slutske, W.S., Smyth, D.C., Sorice, R., Starr, J.M., Sutun, A.R., Tanaka, T., Verhagen, J., Vermeulen, S., Vuoksimaa, E., Widen, E., Willemsen, G., Wright, M.J., Zgaga, L., Rujescu, D., Metspalu, A., Wilson, J.F., Ciullo, M., Hayward, C., Rudan, I., Deary, I.J., Rääkkönen, K., Arias Vasquez, A., Costa, P.T., Keltikangas-Järvinen, L., van Duijn, C.M., Penninx, B.W., Krueger, R.F., Evans, D.M., Kaprio, J., Pedersen, N.L., Martin, N.G., and Boomsma, D.I. (2014). Harmonization of Neuroticism and Extraversion phenotypes across inventories and cohorts in the Genetics of Personality Consortium: An application of Item Response Theory. *Behavior Genetics* 44(4):295-313. PMID: 24828478. PMCID: PMC4057636.
 23. Wang, J.C., Kapoor, M., and Goate, A.M. (2014). Association of genes involved in calcium and potassium pathways with opioid dependence. *Biological Psychiatry* 76(1):6-7 PMID: 24925890. Comment on "Genome-wide association study of opioid dependence: multiple associations mapped to calcium and potassium pathways". [Biological Psychiatry. 2014].
 24. Wetherill, L., Kapoor, M., Agrawal, A., Bucholz, K., Koller, D., E. Bertelsen, S.E., Nhug Le, N., Wang, J.-C., Almasy, L., Hesselbrock, V., Kramer, J., Nurnberger Jr, J.I., Schuckit, M., Tischfield, J.A., Xuei, X., Porjesz, B., Edenberg, H.J., Goate, A.M. and Foroud, T. (2014). Family-based association analysis of alcohol dependence criteria and severity. *Alcoholism: Clinical and Experimental Research* 38(2):354-366. PMID: 24015780. PMCID: PMC3946798.

25. *** Yan, J., Aliev, F., Webb, B.T., Kendler, K.S., Williamson, V.S., Edenberg, H.J., Agrawal, A., Kos, M.Z., Almasy, L., Nurnberger Jr, J.I., Schuckit, M.A., Kramer, J.R., Rice, J.P., Kuperman, S., Goate, A.M., Tischfield, J.A., Porjesz, B., and Dick, D.M. (2014). Using genetic information from candidate gene and genome-wide association studies in risk prediction for alcohol dependence. *Addiction Biology* 19(4):708-721. PMID: 23362995. PMCID: PMC3664249.

Publications in 2013

1. *** Agrawal, A., Wetherill, L., Bucholz, K.K., Kramer, J., Kuperman, S., Lynskey, M.T., Nurnberger, J.I., Jr., Schuckit, M., Tischfield, J.A., Edenberg, H.J., Foroud, T., and Bierut, L.J. (2013). Genetic influences on craving for alcohol. *Addictive Behaviors* 38(2):1501-1508. PMID: 22481050.
2. Chorlian, D.B., Ranganwamy, M., Manz, N., Wang, J.-C., Dick, D., Almasy, L., Bauer, L., Bucholz, K., Foroud, T., Hesselbrock, V., Kang, S., Kramer, J., Kuperman, S., Nurnberger Jr., J., Rice, J., Schuckit, M., Tischfield, J., Edenberg, H.J., Goate, A., Bierut, L., and Porjesz B. (2013). Genetic and neurophysiological correlates of the age of onset of alcohol use disorders in adolescents and young adults. *Behavior Genetics* 43(5):386-401. PMID: 23963516.
3. Culverhouse, R.C., Bowes, L., Breslau, N., Nurnberger, J.I. Jr, Burmeister, M., Fergusson, D.M., Munafò, M., Saccone, N.L., and Bierut, L.J. (2013). Protocol for a collaborative meta-analysis of 5-HTTLPR, stress, and depression. *BMC Psychiatry* 13(1):304. PMID: 24219410. PMCID: PMC3840571.
4. *** Davis, L.K., Yu, D., Keenan, C.L., Gamazon, E.R., Konkashbaev, A.I., Derks, E.M., Neale, B.M., Yang, J., Lee, S.H., Evans, P., Barr, C.L., Bellodi, L., Benarroch, F., Berrio, G.B., Bienvenu, O.J., Bloch, M.H., Blom, R.M., Bruun, R.D., Budman, C.L., Camarena, B., Campbell, D., Cappi, C., Cardona Silgado, J.C., Cath, D.C., Cavallini, M.C., Chavira, D.A., Chouinard, S., Conti, D.V., Cook, E.H., Coric, V., Cullen, B.A., Deforce, D., Delorme, R., Dion, Y., Edlund, C.K., Egberts, K., Falkai, P., Fernandez, T.V., Gallagher, P.J., Garrido, H., Geller, D., Girard, S.L., Grabe, H.J., Grados, M.A., Greenberg, B.D., Gross-Tsur, V., Haddad, S., Heiman, G.A., Hemmings, S.M., Hounie, A.G., Illmann, C., Jankovic, J., Jenike, M.A., Kennedy, J.L., King, R.A., Kremeyer, B., Kurlan, R., Lanzagorta, N., Leboyer, M., Leckman, J.F., Lennertz, L., Liu, C., Lochner, C., Lowe, T.L., Macciardi, F., McCracken, J.T., McGrath, L.M., Mesa Restrepo, S.C., Moessner, R., Morgan, J., Muller, H., Murphy, D.L., Naarden, A.L., Ochoa, W.C., Ophoff, R.A., Osiecki, L., Pakstis, A.J., Pato, M.T., Pato, C.N., Piacentini, J., Pittenger, C., Pollak, Y., Rauch, S.L., Renner, T.J., Reus, V.I., Richter, M.A., Riddle, M.A., Robertson, M.M., Romero, R., Rosàrio, M.C., Rosenberg, D., Rouleau, G.A., Ruhrmann, S., Ruiz-Linares, A., Sampaio, A.S., Samuels, J., Sandor, P., Sheppard, B., Singer, H.S., Smit, J.H., Stein, D.J., Strengman, E., Tischfield, J.A., Valencia Duarte, A.V., Vallada, H., Van Nieuwerburgh, F., Veenstra-Vanderweele, J., Walitza, S., Wang, Y., Wendland, J.R., Westenberg, H.G., Shugart, Y.Y., Miguel, E.C., McMahon, W., Wagner, M., Nicolini, H., Posthuma, D., Hanna, G.L., Heutink, P., Denys, D., Arnold, P.D., Oostra, B.A., Nestadt, G., Freimer, N.B., Pauls, D.L., Wray, N.R., Stewart, S.E., Mathews, C.A., Knowles, J.A., Cox, N.J., and Scharf, J.M. (2013). Partitioning the heritability of Tourette syndrome and obsessive compulsive disorder reveals differences in genetic architecture. *PLoS Genetics* 9(10):e1003864. PMCID: PMC381203.
5. Derringer, J., Krueger, R.F., Dick, D.M., Agrawal, A., Bucholz, K.K., Foroud, T., Grucza, R.A., Hesselbrock, M.N., Hesselbrock, V., Kramer, J., Nurnberger, J.I. Jr, Schuckit, M., Bierut, L.J., Iacono, W.G., and McGue, M. (2013). Measurement invariance of DSM-IV alcohol, marijuana and cocaine dependence between community-sampled and clinically overselected studies. *Addiction* 108(10):1767-1776. PMID: 23651171.
6. Dick, D.M., Aliev, F., Latendresse, S., Porjesz, B., Schuckit, M., Ranganwamy, M., Hesselbrock, V., Edenberg, H., Nurnberger, J., Agrawal, A., Bierut, L., Wang, J., Bucholz, K., Kuperman, S., and Kramer, J. (2013). How Phenotype and Developmental Stage Affect the Genes We Find: *GABRA2* and Impulsivity. *Twin Research and Human Genetics* 16(3):661-669. PMID: 23561058.

7. Edenberg, H.J. and Foroud, T. (2013). Genetics and alcoholism. *Nature Reviews Gastroenterology & Hepatology* 10:487-494. PMID: 23712313.
8. *** Fernández-Rhodes, L., Demerath, E.W., Cousminer, D.L., Tao, R., Dreyfus, J.G., Esko, T., Smith, A.V., Gudnason, V., Harris, T.B., Launer, L., McArdle, P.F., Yerges-Armstrong, L.M., Elks, C.E., Strachan, D.P., Kutalik, Z., Vollenweider, P., Feenstra, B., Boyd, H.A., Metspalu, A., Mihailov, E., Broer, L., Zillikens, M.C., Oostra, B., van Duijn, C.M., Lunetta, K.L., Perry, J.R., Murray, A., Koller, D.L., Lai, D., Corre, T., Toniolo, D., Albrecht, E., Stöckl, D., Grallert, H., Gieger, C., Hayward, C., Polasek, O., Rudan, I., Wilson, J.F., He, C., Kraft, P., Hu, F.B., Hunter, D.J., Hottenga, J.J., Willemsen, G., Boomsma, D.I., Byrne, E.M., Martin, N.G., Montgomery, G.W., Warrington, N.M., Pennell, C.E., Stolk, L., Visser, J.A., Hofman, A., Uitterlinden, A.G., Rivadeneira, F., Lin, P., Fisher, S.L., Bierut, L.J., Crisponi, L., Porcu, E., Mangino, M., Zhai, G., Spector, T.D., Buring, J.E., Rose, L.M., Ridker, P.M., Poole, C., Hirschhorn, J.N., Murabito, J.M., Chasman, D.I., Widen, E., North, K.E., Ong, K.K., and Franceschini, N. (2013). Association of adiposity genetic variants with menarche timing in 92,105 women of European descent. *American Journal of Epidemiology* 178(3):451-460 PMID: 23558354.
9. Hashimoto, E., Riederer, P.F., Hesselbrock, V.M., Hesselbrock, M.N., Mann, K., Ukai, W., Sohma, H., Thibaut, F., Schuckit, M.A., and Saito, T. (2013). Consensus paper of the WFSBP task force on biological markers: Biological markers for alcoholism. *The World Journal of Biological Psychiatry* 14(8):549-564. PMID: 24236956.
10. Hesselbrock, M.N., Hesselbrock, V.M., and Chartier, K.G. (2013). Genetics of alcohol dependence and social work research: do they mix? *Social Work in Public Health* 28(3-4):178-193. PMID: 23731413.
11. Johnson, E.O., Hancock, D.B., Levy, J.L., Gaddis, N.C., Saccone, N.L., Bierut, L.J., and Page, G.P. (2013). Imputation across genotyping arrays for genome-wide association studies: assessment of bias and a correction strategy. *Human Genetics* 132(5):509-522. PMID: 23334152.
12. Kapoor, M., Wang, J.C., Wetherill, L., Le, N., Bertelsen, S., Hinrichs, A.L., Budde, J., Agrawal, A., Bucholz, K., Dick, D., Harari, O., Hesselbrock, V., Kramer, J., Nurnberger, J.I. Jr, Rice, J., Saccone, N., Schuckit, M., Tischfield, J., Porjesz, B., Edenberg, H.J., Bierut, L., Foroud, T., and Goate, A. (2013). Meta-analysis of two genome-wide association studies to identify novel loci for maximum number of alcoholic drinks. *Human Genetics* 132(10):1141-1151. PMID: 23743675.
13. *** Kos, M.Z., Yan, J., Dick, D.M., Agrawal, A., Bucholz, K.K., Rice, J.P., Johnson, E.O., Schuckit, M., Kuperman, S., Kramer, J., Goate, A.M., Tischfield, J.A., Foroud, T., Nurnberger, J.I., Jr., Hesselbrock, V., Porjesz, B., Bierut, L.J., Edenberg, H.J., and Almasy, L. (2013). Common biological networks underlie genetic risk for alcoholism in African- and European-American populations. *Genes, Brain and Behavior* 12(5):532-542. PMID: 23607416.
14. Kuperman, S., Chan, G., Kramer, J.R., Wetherill, L., Bucholz, K.K., Dick, D., Hesselbrock, V., Porjesz, B., Rangaswamy, M., and Schuckit, M. (2013). A model to determine the likely age of an adolescent's first drink of alcohol. *Pediatrics* 131(2):242-248. PMID: 23296431.
15. McClintick, J.N., Xuei, X., Tischfield, J.A., Goate, A., Foroud, T., Wetherill, L., Ehringer, M.A., and Edenberg, H.J. (2013). Stress-response pathways are altered in the hippocampus of chronic alcoholics. *Alcohol* 47(7):505-515 PMID: 23981442. PMCID: PMC3836826.
16. Perry, B.L., Pescosolido, B.A., Bucholz, K., Edenberg, H., Kramer, J., Kuperman, S., Schuckit, M.A., and Nurnberger, J.I. Jr. (2013). Gender-Specific Gene-Environment Interaction in Alcohol Dependence: The Impact of Daily Life Events and *GABRA2*. *Behavior Genetics* 43(5) 402-414. PMID: 23974430.
17. *** Scharf, J.M., Yu, D., Mathews, C.A., Neale, B.M., Stewart, S.E., Fagerness, J.A., Evans, P., Gamazon, E., Edlund, C.K., Service, S.K., Tikhomirov, A., Osiecki, L., Illmann, C., Pluzhnikov, A., Konkashbaev, A., Davis, L.K., Han, B., Crane, J., Moorjani, P., Crenshaw, A.T., Parkin, M.A., Reus, V.I., Lowe, T.L., Rangel-Lugo, M.,

Chouinard, S., Dion, Y., Girard, S., Cath, D.C., Smit, J.H., King, R.A., Fernandez, T.V., Leckman, J.F., Kidd, K.K., Kidd, J.R., Pakstis, A.J., State, M.W., Herrera, L.D., Romero, R., Fournier, E., Sandor, P., Barr, C.L., Phan, N., Gross-Tsur, V., Benarroch, F., Pollak, Y., Budman, C.L., Bruun, R.D., Erenberg, G., Naarden, A.L., Lee, P.C., Weiss, N., Kremeyer, B., Berrío, G.B., Campbell, D.D., Cardona Silgado, J.C., Ochoa, W.C., Mesa Restrepo, S.C., Muller, H., Valencia Duarte, A.V., Lyon, G.J., Leppert, M., Morgan, J., Weiss, R., Grados, M.A., Anderson, K., Davarya, S., Singer, H., Walkup, J., Jankovic, J., Tischfield, J.A., Heiman, G.A., Gilbert, D.L., Hoekstra, P.J., Robertson, M.M., Kurlan, R., Liu, C., Gibbs, J.R., Singleton, A.; North American Brain Expression Consortium, Hardy, J.; UK Human Brain Expression Database, Strengman, E., Ophoff, R.A., Wagner, M., Moessner, R., Mirel, D.B., Posthuma, D., Sabatti, C., Eskin, E., Conti, D.V., Knowles, J.A., Ruiz-Linares, A., Rouleau, G.A., Purcell, S., Heutink, P., Oostra, B.A., McMahon, W.M., Freimer, N.B., Cox, N.J., and Pauls, D.L. (2013). Genome-wide association study of Tourette's syndrome. *Molecular Psychiatry* 18(6):721-728. PMID: 22889924. PMCID: PMC3605224.

18. Wang, J.-C., Foroud, T., Hinrichs, A.L., Le, N.X.H., Bertelsen, S., Budde, J. P., Harari, O., Koller, D.L., Wetherill, L., Agrawal, A., Almasy, L., Brooks, A. I., Bucholz, K., Dick, K., Hesselbrock, V., Johnson, E.O., Kang, S., Kapoor, M., Kramer, J., Kuperman, S., Madden, P.A.F., Manz, N., Martin, N.G., McClintick, J.N., Montgomery, G.W., Nurnberger, J.I., Jr., Ranganaswamy, M., Rice, J., Schuckit, M., Tischfield, J.A., Whitfield, J.B., Xuei, X., Porjesz, B., Heath, A.C., Edenberg, H.J., Bierut, L.J., and Goate, A.M. (2012). A genome wide association study of alcohol dependence symptom counts in extended pedigrees identifies *C15orf53*. *Molecular Psychiatry* 18(11):1218-1224. PMID:23089632.
19. Wang, J.-C., Spiegel, N., Bertelsen, S., Le, N., McKenna, N., Budde, J.P., Harari, O., Kapoor, M., Brooks, A., Hancock, D., Tischfield, J., Foroud, T., Bierut, L.J., Steinbach, J.H., Edenberg, H.J., Traynor, B.J., and Goate, A.M. (2013). Cis-regulatory variants affect *CHRNA5* mRNA expression in populations of African and European ancestry. *PLoS One* 8(11):e80204. PMID: 24303001.
20. Zhang, Z., Wang, J.-C., Howells, W., Lin, P., Agrawal, A., Edenberg, H.J., Tischfield, J.A., Schuckit, M.A., Bierut, L.J., Goate, A., and Rice, J.P. (2013). Dosage transmission disequilibrium test (dTDT) for linkage and association detection. *PLoS One* 8(5):e63526. PMID: 23691058.

Publications in 2012

1. Agrawal, A. and Bierut, L.J. (2012). Identifying genetic variation for alcohol dependence. *Alcohol Research and Health* 34(3):274-281.
2. *** Agrawal, A., Freedman, N.D., Cheng, Y.C., Lin, P., Shaffer, J.R., Sun, Q., Taylor, K., Yaspan, B., Cole, J.W., Cornelis, M.C., Desensi, R.S., Fitzpatrick, A., Heiss, G., Kang, J.H., O'Connell, J., Bennett, S., Bookman, E., Bucholz, K.K., Caporaso, N., Crout, R., Dick, D.M., Edenberg, H.J., Goate, A., Hesselbrock, V., Kittner, S., Kramer, J., Nurnberger, J.I., Jr., Qi, L., Rice, J.P., Schuckit, M., van Dam, R.M., Boerwinkle, E., Hu, F., Levy, S., Marazita, M., Mitchell, B.D., Pasquale, L.R., and Bierut, L.J. for the GENEVA Consortium (2012). Measuring alcohol consumption for genetic meta-analyses of alcohol intake: Opportunities and challenges. *American Journal of Clinical Nutrition* 95(3):539-547. PMCID: PMC3278237, PMID: 22301922.
3. Bierut, L.J., Goate, A.M., Breslau, N., Johnson, E.O., Bertelsen, S., Fox, L., Agrawal, A., Bucholz, K.K., Gruzza, R., Hesselbrock, V., Kramer, J., Kuperman, S., Nurnberger, J., Porjesz, B., Saccone, N.L., Schuckit, M., Tischfield, J., Wang, J.C., Foroud, T., Rice, J.P., and Edenberg, H.J. (2012). *ADH1B* is associated with alcohol dependence and alcohol consumption in populations of European and African ancestry. *Molecular Psychiatry* 17(4):445-450. PMCID: PMC3252425.
4. Chen, A.C., Ranganaswamy, M., and Porjesz, B. (2012). Endophenotypes in Psychiatric Genetics. In: Nurnberger, J.I. and Berretini, W.H. (eds.), *Principles of Psychiatric Genetics*. Cambridge University Press, pp 347-362.
5. *** Chen, L.S., Baker, T.B., Piper, M.E., Breslau, N., Cannon, D.S., Doheny, K.F., Gogarten, S.M., Johnson, E.O., Saccone, N.L., Wang, J.C., Weiss, R.B., Goate, A.M., and Bierut, L.J. (2012). Interplay of genetic risk

factors (*CHRNA5-CHRNA3-CHRNA4*) and cessation treatments in smoking cessation success. *American Journal of Psychiatry* 169(7):735-742. PMID: 22648373.

6. *** Chen, L.S., Saccone, N.L., Culverhouse, R.C., Bracci, P.M., Chen, C.H., Dueker, N., Han, Y., Huang, H., Jin, G., Kohno, T., Ma, J.Z., Przybeck, T.R., Sanders, A.R., Smith, J.A., Sung, Y.J., Wenzlaff, A.S., Wu, C., Yoon, D., Chen, Y.T., Cheng, Y.C., Cho, Y.S., David, S.P., Duan, J., Eaton, C.B., Furberg, H., Goate, A.M., Gu, D., Hansen, H.M., Hartz, S., Hu, Z., Kim, Y.J., Kittner, S.J., Levinson, D.F., Mosley, T.H., Payne, T.J., Rao, D.C., Rice, J.P., Rice, T.K., Schwantes-An, T.H., Shete, S.S., Shi, J., Spitz, M.R., Sun, Y.V., Tsai, F.J., Wang, J.C., Wrensch, M.R., Xian, H., Gejman, P.V., He, J., Hunt, S.C., Kardia, S.L., Li, M.D., Lin, D., Mitchell, B.D., Park, T., Schwartz, A.G., Shen, H., Wiencke, J.K., Wu, J.Y., Yokota, J., Amos, C.I., and Bierut, L.J. (2012). Smoking and genetic risk variation across populations of European, Asian, and African-American ancestry - a meta-analysis of chromosome 15q25. *Genetic Epidemiology* 2012; 36(4):340-351. PMCID: PMC3387741.
7. *** de Moor, M.H., Costa, P.T., Terracciano, A., Krueger, R.F., de Geus, E.J., Toshiko, T., Penninx, B.W., Esko, T., Madden, P.A., Derringer, J., Amin, N., Willemsen, G., Hottenga, J.J., Distel, M.A., Uda, M., Sanna, S., Spinoven, P., Hartman, C.A., Sullivan, P., Realo, A., Allik, J., Heath, A.C., Pergadia, M.L., Agrawal, A., Lin, P., Grucza, R., Nuture, T., Ciullo, M., Rujescu, D., Giegling, I., Konte, B., Widen, E., Cousminer, D.L., Eriksson, J.G., Palotie, A., Peltonen, L., Luciano, M., Tenesa, A., Davies, G., Lopez, L.M., Hansell, N.K., Medland, S.E., Ferrucci, L., Schlessinger, D., Montgomery, G.W., Wright, M.J., Aulchenko, Y.S., Janssens, A.C., Oostra, B.A., Metspalu, A., Abecasis, G.R., Deary, I.J., R  ikk  nen, K., Bierut, L.J., Martin, N.G., van Duijn, C.M., and Boomsma, D.I. (2012). Meta-analysis of genome-wide association studies for personality. *Molecular Psychiatry* 17(3):337-349. PMID: 21173776.
8. *** Derringer, J., Krueger, R.F., Dick, D.M., Aliev, F., Grucza, R.A., Saccone, S., Agrawal, A., Edenberg, H.J., Goate, A.M., Hesselbrock, V.M., Kramer, J.R., Lin, P., Neuman, R.J., Nurnberger, J.I. Jr, Rice, J.P., Tischfield, J.A.; GENEVA consortium, Bierut, L.J. (2012). The aggregate effect of dopamine genes on dependence symptoms among cocaine users: Cross-validation of a candidate system scoring approach. *Behavior Genetics* 42(4):626-635. PMCID: PMC3416038.
9. Edenberg, H.J. (2012). Alcoholism. In: Nurnberger, J.I. and Berretini, W. H. (eds.), *Principles of Psychiatric Genetics*. Cambridge University Press, pp 279-286.
10. Edenberg, H.J. (2012). Genes contributing to the development of alcoholism: An overview. *Alcohol Research* 34(3):336-338. PMID: 23134049.
11. Edwards, A.C., Aliev, F., Bierut, L.J., Bucholz, K.K., Edenberg, H., Hesselbrock, V., Kramer, J., Kuperman, S., Nurnberger, J.I. Jr, Schuckit, M.A., Porjesz, B., and Dick, D.M. (2012). Genome-wide association study on comorbid depressive syndrome and alcohol dependence. *Psychiatric Genetics* 22(1):31-41. PMCID: PMC3241912.
12. Harari, O., Wang, J.C., Bucholz, K., Edenberg, H.J., Heath, A., Martin, N.G., Pergadia, M.L., Montgomery, G., Schrage, A., Bierut, L.J., Madden, P.F., and Goate, A.M. (2012). Pathway analysis of smoking quantity in multiple GWAS identifies cholinergic and sensory pathways. *PLoS One* 7(12):e50913.
13. *** Hartz, S., Short, S., Saccone, N., Culverhouse, R., Chen, L., Schwantes-An, T., Coon, H., Han, Y., Stephens, S., Sun, J., Chen, X., Ducci, F., Dueker, N., Franceschini, N., Frank, J., Geller, F., Gu  bjartsson, D., Hansel, N., Jiang, C., Kesitalo-Vuokko, K., Liu, J., Lyytik  inen, L., Michel, M., Rawal, R., Rosenberger, A., Scheet, P., Shaffer, J., Teumer, A., Thompson, J., Vink, J., Vogelzangs, N., Wenzlaff, A., Wheeler, W., Xiangjun, X., Yang, B., Aggen, S., Balmforth, A., Baumeister, S., Beaty, T., Bennett, S., Bergen, A., Boyd, H., Broms, U., Campbell, H., Chatterjee, N., Chen, J., Cheng, Y., Cichon, S., Couper, D., Cucca, F., Dick, D., Foroud, T., Furberg, H., Giegling, I., Gu, F., Hall, A., H  llfors, J., Han, S., Hartmann, A., Hayward, C., Heikkil  , K., Hewitt, J., Hottenga, J., Jensen, M., Jousilahti, P., Kaakinen, M., Kittner, S., Konte, B., Korhonen, T., Landi, M., Laatikainen, T., Leppert, M., Levy, S., Mathias, R., McNeil, D., Medland, S., Montgomery, G., Muley, T., Murray, T., Nauck, M., North, K., Pergadia, M., Polasek, O., Ramos, E., Ripatti, S., Risch, A., Ruczinski, I., Rudan, I., Salomaa, V., Schlessinger, D., Styrk  rsd  ttir, U., Terracciano, A., Uda, M., Willemsen, G., Wu, X.,

- Abecasis, G., Barnes, K., Bickeböllner, H., Boerwinkle, E., Boomsma, D., Caporaso, N., Duan, J., Edenberg, H., Francks, C., Gejman, P., Gelernter, J., Grabe, H., Hops, H., Jarvelin, M., Jorma, V., Kähönen, M., Kendler, K., Lehtimäki, T., Levinson, D., Marazita, M., Marchini, J., Melbye, M., Mitchell, B., Murray, J., Nöthen, M., Penninx, B., Raitakari, O., Rietschel, M., Rujescu, D., Samani, N., Sanders, A., Schwartz, A., Shete, S., Shi, J., Spitz, M., Stefansson, K., Swan, G., Thorgeirsson, T., Völzke, H., Wei, Q., Wichmann, H., Amos, C., Breslau, N., Cannon, D., Ehringer, M., Grucza, R., Hatsukami, D., Heath, A., Johnson, E., Kaprio, J., Madden, P., Martin, N., Stevens, V., Stitzel, J., Weiss, R., Kraft, P., and Bierut, L. (2012). Increased genetic vulnerability to smoking at *CHRNA5* in early-onset smokers. *Archives of General Psychiatry* 69(8):854-860. PMID: 22868939.
14. Hurley, T.D. and Edenberg, H.J. (2012). Genes encoding enzymes involved in ethanol metabolism. *Alcohol Research* 34(3):339-344. PMID: 23134050.
 15. Kamarajan, C., Rangaswamy, M., Manz, N., Chorlian, D.B., Pandey, A.K., Roopesh, B.N., and Porjesz, B. (2012). Topography, power and current source density of theta oscillations during reward processing as markers for alcohol dependence. *Human Brain Mapping* 33(5):1019-1039. PMID: 21520344.
 16. Kang, S.J., Rangaswamy, M., Manz, N., Wang, J.-C., Wetherill, L., Hinrichs, T., Almasy, L., Brooks, A., Chorlian, D.B., Dick, D., Hesselbrock, V., Kramer, J., Kuperman, S., Nurnberger, J., Jr., Rice, J., Schuckit, M., Tischfield, J., Bierut, L.J., Edenberg, H.J., Goate, A., Foroud, T., and Porjesz, B. (2012). Family-based genome-wide association study of frontal theta oscillations identifies potassium channel gene *KCNJ6*. *Genes, Brain and Behavior* 11(6):712-719. PMID: 22554406.
 17. Kapoor, M., Wang, J.C., Bertelsen, S., Bucholz, K., Budde, J.P., Hinrichs, A., Agrawal, A., Brooks, A., Chorlian, D.B., Dick, D., Hesselbrock, V., Foroud, T., Kramer, J., Kuperman, J., Manz, N., Nurnberger, J., Jr., Porjesz, B., Rice, J.P., Tischfield, J., Xuei, X., Schuckit, M., Edenberg, H.J., Bierut, L.J., and Goate, A. (2012). Variants located upstream of *CHRNA4* on chromosome 15q25.1 are associated with age at onset of daily smoking and habitual smoking. *PLoS One* 7(3):e33513. PMCID: PMC3306405.
 18. *** Laurie, C.C., Laurie, C.A., Rice, K., Doheny, K.F., Zelnick, L.R., McHugh, C.P., Ling, H., Hetrick, K.N., Pugh, E.W., Amos, C., Wei, Q., Wang, L.E., Lee, J.E., Barnes, K.C., Hansel, N.N., Mathias, R., Daley, D., Beaty, T.H., Scott, A.F., Ruczinski, I., Scharpf, R.B., Bierut, L.J., Hartz, S.M., Landi, M.T., Freedman, N.D., Goldin, L.R., Ginsburg, D., Li, J., Desch, K.C., Strom, S.S., Blot, W.J., Signorello, L.B., Ingles, S.A., Chanock, S.J., Berndt, S.I., Le Marchand, L., Henderson, B.E., Monroe, K.R., Heit, J.A., de Andrade, M., Armasu, S.M., Regnier, C., Lowe, W.L., Hayes, M.G., Marazita, M.L., Feingold, E., Murray, J.C., Melbye, M., Feenstra, B., Kang, J.H., Wiggs, J.L., Jarvik, G.P., McDavid, A.N., Seshan, V.E., Mirel, D.B., Crenshaw, A., Sharopova, N., Wise, A., Shen, J., Crosslin, D.R., Levine, D.M., Zheng, X., Udren, J.I., Bennett, S., Nelson, S.C., Gogarten, S.M., Conomos, M.P., Heagerty, P., Manolio, T., Pasquale, L.R., Haiman, C.A., Caporaso, N., and Weir, B.S. (2012). Detectable clonal mosaicism from birth to old age and its relationship to cancer. *Nature Genetics* 44(6):642-650. PMCID: PMC3366033
 19. *** Lin, P., Hartz, S.M., Wang, J.-W., Agrawal, A., Zhang, T.-X., McKenna, N., Bucholz, K., Brooks, A.I., Tischfield, J.A., Edenberg, H.J., Hesselbrock, V.M., Kramer, J.R., Kuperman, S., Schuckit, M.A., Goate, A.M., Bierut, L.J., Rice, J.P., COGA Collaborators, COGENE Collaborators, and GENEVA (2012). Copy number variations in 6q14.1 and 5q13.2 are associated with alcohol dependence. *Alcoholism: Clinical and Experimental Research* 36(9):1512-1518. PMCID: PMC3436997.
 20. *** Luciano, M., Lopez, L.M., de Moor, M.H., Harris, S.E., Davies, G., Nütle, T., Krueger, R.F., Esko, T., Schlessinger, D., Toshiko, T., Derringer, J.L., Realo, A., Hansell, N.K., Pergadia, M.L., Pesonen, A.K., Sanna, S., Terracciano, A., Madden, P.A., Penninx, B., Spinhoven, P., Hartman, C.A., Oostra, B.A., Janssens, A.C., Eriksson, J.G., Starr, J.M., Cannas, A., Ferrucci, L., Metspalu, A., Wright, M.J., Heath, A.C., van Duijn, C.M., Bierut, L.J., Raikonen, K., Martin, N.G., Ciullo, M., Rujescu, D., Boomsma, D.I., and Deary, I.J. (2012). Longevity candidate genes and their association with personality traits in the elderly. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 159B(2):192-200. PMID: 22213687.

21. *** Olfson, E. and Bierut, L.J. (2012). Convergence of genome-wide association and candidate gene studies for alcoholism. *Alcoholism: Clinical and Experimental Research* 36(12):2086-2094. PMID: 22978509, PMCID: PMC352108.
22. Pandey, A.K., Kamarajan, C., Rangaswamy, M., and Porjesz, B. (2012). Event-related oscillations in alcoholism research: A review. *Journal of Addiction Research & Therapy* S7:1-13. PMID: 24273686.
23. Pandey, A.K., Kamarajan, C., Tang, Y., Chorlian, D.B., Roopesh, B.N., Manz, N., Stimus, A., Rangaswamy, M., and Porjesz, B. (2012). Neurocognitive deficits in male alcoholics: An ERP/sLORETA analysis of the N2 component in an equal probability Go/NoGo task. *Biological Psychology* 89(1):170-182. PMID: 22024409. PMCID: PMC3245806.
24. *** Rice, J.P., Hartz, S., Agrawal, A., Almasy, L., Bennett, S., Breslau, N., Bucholz, K.K., Doheny, K.F., Edenberg, H.J., Goate, A.M., Hesselbrock, V., Howells, W.B., Johnson, E.O., Kramer, J., Krueger, R.F., Kuperman, S., Laurie, C., Manolio, T.A., Neuman, R.J., Nurnberger, J.I., Jr., Porjesz, B., Pugh, E., Ramos, E.M., Saccone, N., Saccone, S., Schuckit, M., and Bierut, L.J., as part of the GENEVA Consortium (2012). *CHRNA3* is more strongly associated with FTND-based nicotine dependence than cigarettes per day: Phenotype definition changes GWAS results. *Addiction* 107(11):2019-2028. PMID: 22524403.
25. Schuckit, M.A., Smith, T.L., Trim, R.S., Kuperman, S., Kramer, J., Hesselbrock, V., Bucholz, K.K., Nurnberger, J.I., Jr., Hesselbrock, M., and Saunders, G. (2012). Sex differences in how a low sensitivity to alcohol relates to later heavy drinking. *Drug and Alcohol Review* 31(7):871-880. PMID: 22708705.
26. *** Spitz, M.R., Amos, C.I., Bierut, L.J., and Caporaso, N.E. (2012). Cotinine conundrum – a step forward but questions remain. (Editorial). *Journal of the National Cancer Institute* 104(10):720-722. PMCID: PMC3352835.
27. Wang, J.C., Kapoor, M., and Goate, A.M. (2012). The genetics of substance dependence. *Annual Review of Genomics and Human Genetics* 13:241-261. PMCID: PMC3474605.
28. Zhao, Z., Guo, A.-Y., van den Oord, E.J.C.G., Aliev, F., Jia, P., Edenberg, H.J., Riley, B.P., Dick, D.M., Bettinger, J.C., Davies, A.G., Grotewiel, M.S., Schuckit, M.A., Agrawal, A., Kramer, J., Nurnberger, J.I., Kendler, K.S., Webb, B.T., and Miles, M.F. (2012). Multi-species data integration and gene ranking enrich significant results in an alcoholism genome-wide association study. *BMC Genomics* 13(Suppl 8):S16, PMCID: PMC3535715.

Publications in 2011

1. Agrawal, A., Freedman, N.D., and Bierut, L.J. (2011). Genome-wide association studies of alcohol intake - a promising cocktail? *American Journal of Clinical Nutrition* 93(4):681-683. PMCID: PMC3057543.
2. *** Agrawal, A., Lynskey, M.T., Hinrichs, A., Grucza, R., Saccone, S.F., Krueger, R., Neuman, R., Howells, W., Fisher, S., Fox, L., Cloninger, R., Dick, D.M., Doheny, K.F., Edenberg, H.J., Goate, A.M., Hesselbrock, V., Johnson, E., Kramer, J., Kuperman, S., Nurnberger, J.I., Jr., Pugh, E., Schuckit, M., Tischfield, J., The GENEVA Consortium, Rice, J.P., Bucholz, K.K., and Bierut, L.J. (2011). A genome-wide association study of DSM-IV cannabis dependence. *Addiction Biology* 16(3):514-518. PMCID: PMC3117436.
3. *** Bennett, S.N., Caporaso, N., Fitzpatrick, A.L., Agrawal, A., Barnes, K., Boyd, H.A., Cornelis, M.C., Hansel, N.N., Heiss, G., Heit, J.A., Kang, J.H., Kittner, S.J., Kraft, P., Lowe, W., Marazita, M.L., Monroe, K.R., Pasquale, L.R., Ramos, E.M., van Dam, R.M., Udren, J., and Williams, K.; GENEVA Consortium (2011). Phenotype harmonization and cross-study collaboration in GWAS consortia: The GENEVA experience. *Genetic Epidemiology* 35(3):159-173. PMCID: PMC3055921.
4. Bierut, L.J. (2011). Genetic vulnerability and susceptibility to substance dependence. *Neuron* 69(4):618-627. PMCID: PMC3095110.

5. *** Derringer, J., Krueger, R.F., Manz, N., Porjesz, B., Almasy, L., Bookman, E., Edenberg, H.J., Kramer, J.R., Tischfield, J.A., and Bierut, L.J. (2011). Nonreplication of an association of *SGIP1* SNPs with alcohol dependence and resting theta EEG power. *Psychiatric Genetics* 21(5):265-266. PMID: PMC3139721.
6. Dick, D.M. (2011). Gene-environment interaction in psychological traits and disorders. *Annual review of clinical psychology* 7:383-409. PMID: 21219196.
7. *** Dick, D.M., Aliev, F., Krueger, R.F., Edwards, A., Agrawal, A., Lynskey, M., Lin, P., Schuckit, M., Hesselbrock, V., Nurnberger, J., Jr., Almasy, L., Porjesz, B., Edenberg, H.J., Bucholz, K., Kramer, J., Kuperman, S., and Bierut, L. as part of the SAGE and GENEVA Consortia (2011). Genome-wide association study of conduct disorder symptomatology. *Molecular Psychiatry* 16(8):800-808. PMID: 20585324, PMCID: PMC3580835.
8. Dick, D.M., Meyers, J.L., Latendresse, S.J., Creemers, H.E., Lansford, J.E., Pettit, G.S., Bates, J.E., Dodge, K.A., Budde, J., Goate, A., Buitelaar, J.K., Ormel, J., Verhulst, F.C., and Huizink, A.C. (2011). *CHRM2*, parental monitoring, and adolescent externalizing behavior: Evidence for gene-environment interaction. *Psychological Sciences* 22(4):481-489. PMID: 21441226.
9. Edenberg, H. (2011). Common and rare variants in alcohol dependence. *Biological Psychiatry* 70(6):498-499. PMID: 21864733.
10. *** Hartz SM, Johnson EO, Saccone NL, Hatsukami D, Breslau N, Bierut LJ (2011). Inclusion of African Americans in genetic studies: what is the barrier? *American Journal of Epidemiology* 174(3):336-44. PMID: PMC3202157.
11. Hinrichs, A., Culverhouse, R., and Suarez, B. (2011). Linkage analysis merging replicate phenotypes: An application to three quantitative phenotypes in two African samples. *BMC Proceedings* 5(Suppl 9):S81.
12. Johnson C, Drgon T, Walther D, Uhl GR (2011). Genomic regions identified by overlapping clusters of nominally-positive SNPs from genome-wide studies of alcohol and illegal substance dependence. *PLoS ONE* 6(7):e19210. PMID: PMC3144872.
13. Latendresse, S.J., Bates, J.E., Goodnight, J.A., Lansford, J.E., Budde, J.P., Goate, A., Dodge, K.A., Pettit, G.S., and Dick, D.M. (2011). Differential susceptibility to adolescent externalizing trajectories: Examining the interplay between *CHRM2* and peer group antisocial behavior. *Child Development* 82(6):1797-1814. PMID: PMC3218245.
14. *** Lin, P., Hartz, S.M., Wang, J.C., Krueger, R.F., Foroud, T.M., Edenberg, H.J., Nurnberger, J.I., Jr., Brooks, A.I., Tischfield, J.A., Almasy, L., Webb, B.T., Hesselbrock, V.M., Porjesz, B., Goate, A.M., Bierut, L.J., Rice, J.P., COGA Collaborators, COGENE Collaborators, and GENEVA (2011). Copy number variation accuracy in genome-wide association studies. *Human Heredity* 71(3):141-147. PMID: 21778733. PMCID: PMC3153341.
15. Maher, B.S., Vladimirov, V.I., Latendresse, S.J., Thiselton, D.L., McNamee, R., Kang, M., Bigdeli, T.B., Chen, X., Riley, B.P., Hettema, J.M., Chilcoat, H., Heidbreder, C., Muglia, P., Murrelle, E.L., Dick, D.M., Aliev, F., Agrawal, A., Edenberg, H.J., Kramer, J., Nurnberger, J., Tischfield, J.A., Devlin, B., Ferrell, R.E., Kirillova, G.P., Tarter, R.E., Kendler, K.S., and Vanyukov, M.M. (2011). The *AVPR1A* gene and substance use disorders: Association, replication, and functional evidence. *Biological Psychiatry* 70(6):519-527. PMID: 21514569.
16. McCutcheon, V.V., Agrawal, A., Heath, A.C., Edenberg, H.J., Hesselbrock, V.M., Schuckit, M.A., Kramer, J.R., and Bucholz, K.K. (2011). Functioning of alcohol use disorder criteria among men and women with arrests for driving under the influence of alcohol. *Alcoholism: Clinical and Experimental Research* 35(11):1985-1993. PMID: PMC3166544.
17. *** Middeldorp, C.M., de Moor, M.H.M., McGrath, L.M., Gordon, S.D., Blackwood, D.H., Costa, P.T., Terracciano, A., Krueger, R.F., de Geus, E.J.C., Nyholt, D.R., Tanaka, T., Esko, T., Madden, P.A.F., Derringer,

- J., Amin, N., Willemsen, G., Hottenga, J.-J., Distel, M.A., Uda, M., Sanna, S., Spinoven, P., Hartman, C.A., Ripke, S., Sullivan, P.F., Realo, A., Allik, J., Heath, A.C., Pergadia, M.L., Agrawal, A., Lin, P., Grucza, R.A., Widen, E., Cousminer, D.L., Eriksson, J.G., Palotie, A., Barnett, J.H., Lee, P.H., Luciano, M., Tenesa, A., Davies, G., Lopez, L.M., Hansell, N.K., Medland, S.E., Ferrucci, L., Schlessinger, D., Montgomery, G.W., Wright, M.J., Aulchenko, Y.S., Janssens, A.C.J.W., Oostra, B.A., Metspalu, A., Abecasis, G.R., Deary, J., Rääkkönen, K., Bierut, L.J., Martin, N.G., Wray, N.R., van Duijn, C.M., Smoller, J.W., Penninx, B.W.J.H., and Boomsma D.I. (2011). The genetic association between personality and major depression or bipolar disorder. A polygenic score analysis using genome-wide association data. *Translational Psychiatry* 1:e50. PMID: PMC3309491.
18. Schuckit, M.A., Smith, T.L., Trim, R.S., Allen, R.C., Fukukura, T., Knight, E.E., Cesario, E.M., and Kreikebaum, S.A. (2011). A prospective evaluation of how a low level of response to alcohol predicts later heavy drinking and alcohol problems. *American Journal of Drug Alcohol Abuse* 37(6):479-486. PMID: 21797810.
 19. Schumann, G., Coin, L.J., Lourdusamy, A., Charoen, P., Berger, K.H., Stacey, D., Desrivieres, S., Aliev, F.A., Khan, A.A., Amin, N., Aulchenko, Y.S., Bakalkin, G., Bakker, S.J., Balkau, B., Beulens, J.W., Bilbao, A., de Boer, R.A., Beury, D., Bots, M.L., Breetvelt, E.J., Cauchi, S., Cavalcanti-Proença, C., Chambers, J.C., Clarke, T.K., Dahmen, N., de Geus, E.J., Dick, D., Ducci, F., Easton, A., Edenberg, H.J., Esk, T., Fernández-Medarde, A., Foroud, T., Freimer, N.B., Girault, J.A., Grobbee, D.E., Guarrera, S., Gudbjartsson, D.F., Hartikainen, A.L., Heath, A.C., Hesselbrock, V., Hofman, A., Hottenga, J.J., Isohanni, M.K., Kaprio, J., Khaw, K.T., Kuehnel, B., Laitinen, J., Lobbens, S., Luan, J., Mangino, M., Maroteaux, M., Matullo, G., McCarthy, M.I., Mueller, C., Navis, G., Numans, M.E., Núñez, A., Nyholt, D.R., Onland-Moret, C.N., Oostra, B.A., O'Reilly, P.F., Palkovits, M., Penninx, B.W., Polidoro, S., Pouta, A., Prokopenko, I., Ricceri, F., Santos, E., Smit, J.H., Soranzo, N., Song, K., Sovio, U., Stumvoll, M., Surakk, I., Thorgerirsson, T.E., Thorsteinsdottir, U., Troakes, C., Tyrfinsson, T., Tönjes, A., Uiterwaal, C.S., Uitterlinden, A.G., van der Harst, P., van der Schouw, Y.T., Staehlin, O., Vogelzangs, N., Vollenweider, P., Waeber, G., Wareham, N.J., Waterworth, D.M., Whitfield, J.B., Wichmann, E.H., Willemsen, G., Witteman, J.C., Yuan, X., Zhai, G., Zhao, J.H., Zhang, W., Martin, N.G., Metspalu, A., Doering, A., Scott, J., Spector, T.D., Loos, R.J., Boomsma, D.I., Mooser, V., Peltonen, L., Stefansson, K., van Duijn, C.M., Vineis, P., Sommer, W.H., Kooner, J.S., Spanagel, R., Heberlein, U.A., Jarvelin, M.R., and Elliott, P. (2011). Genome-wide associations and genetic functional studies identify autism susceptibility candidate 2 gene (AUTS2) in the regulation of alcohol consumption. *Proceedings of the National Academy of Sciences USA* 108(17):7119-7124. PMID: 3084048.
 20. Zlojutro, M., Manz, N., Rangaswamy, M., Xuei, X., Flury-Wetherill, L., Koller, D., Bierut, L.J., Goate, A., Hesselbrock, V., Kuperman, S., Nurnberger, J., Jr., Rice, J.P., Schuckit, M.A., Foroud, T., Edenberg, H.J., Porjesz, B., and Almasy, L. (2011). Genome-wide association study of theta band event-related oscillations identifies serotonin receptor gene *HTR7* influencing risk of alcohol dependence. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 156B(1):44-58. PMID: PMC3139811, PMID: 21184583.

Publications in 2010

1. *** Anney, R., Klei, L., Pinto, D., Regan, R., Conroy, J., Magalhaes, T.R., Correia, C., Abrahams, B.S., Sykes, N., Pagnamenta, A.T., Almeida, J., Bacchelli, E., Bailey, A.J., Baird, G., Battaglia, A., Berney, T., Bolshakova, N., Bolte, S., Bolton, P.F., Bourgeron, T., Brennan, S., Brian, J., Carson, A.R., Casallo, G., Casey, J., Chu, S.H., Cochrane, L., Corsello, C., Crawford, E.L., Crossett, A., Dawson, G., de Jonge, M., Delorme, R., Drmic, I., Duketis, E., Duque, F., Estes, A., Farrar, P., Fernandez, B.A., Folstein, S.E., Fombonne, E., Freitag, C.M., Gilbert, J., Gillberg, C., Glessner, J.T., Goldberg, J., Green, J., Guter, S.J., Hakonarson, H., Heron, E.A., Hill, M., Holt, R., Howe, J.L., Hughes, G., Hus, V., Igliozzi, R., Kim, C., Klauck, S.M., Klevzon, A., Korvatska, O., Kustanovich, V., Lajonchere, C.M., Lamb, J.A., Laskawiec, M., Leboyer, M., Le Couteur, A., Leventhal, B.L., Lionel, A.C., Liu, X.Q., Lord, C., Lotspeich, L., Lund, S.C., Maestrini, E., Mahoney, W., Mantoulan, C., Marshall, C.R., McConachie, H., McDougle, C.J., McGrath, J., McMahon, W.M., Melhem, N.M., Merikangas, A., Migita, O., Minshew, N.J., Mirza, G.K., Munson, J., Nelson, S.F., Noakes, C., Noor, A., Nygren, G., Oliveira, G., Papanikolaou, K., Parr, J.R., Parrini, B., Paton, T., Pickles, A., Piven, J., Osey, D.J., Poustka, A., Poustka, F., Prasad, A., Ragoussis, J., Renshaw, K., Rickaby, J., Roberts, W., Roeder, K., Roge, B., Rutter, M.L.,

- Bierut, L.J., Rice, J.P., Salt, J., Sansom, K., Sato, D., Segurado, R., Senman, L., Shah, N., Sheffield, V.C., Soorya, L., Sousa, I., Stoppioni, V., Strawbridge, C., Tancredi, R., Tansey, K., Thiruvahindrapduram, B., Thompson, A.P., Thomson, S., Tryfon, A., Tsiantis, J., Van Engeland, H., Vincent, J.B., Volkmar, F., Wallace, S., Wang, K., Wang, Z.Z., Wassink, T.H., Wing, K., Wittmeyer, K., Wood, S., Yaspan, B.L., Zurawiecki, D., Zwaigenbaum, L., Betancur, C., Buxbaum, J.D., Cantor, R.M., Cook, E.H., Coon, H., Cuccaro, M.L., Gallagher, L., Geschwind, D.H., Gill, M., Haines, J.L., Miller, J., Monaco, A.P., Nurnberger, J.I., Paterson, A.D., Pericak-Vance, M.A., Schellenberg, G.D., Scherer, S.W., Sutcliffe, J.S., Szatmari, P., Vicente, A.M., Vieland, V.J., Wijsman, E.M., Devlin, B., Ennis, S., and Hallmayer, J. (2010). A genome-wide scan for common alleles affecting risk for autism. *Human Molecular Genetics* 19(20):4072-4082. PMID: PMC2947401.
2. Bauer, L., Dick, D., Bierut, L., Bucholz, K., Edenberg, H., Kuperman, S., Kramer, J., Nurnberger, J., O'Connor, S., Rice, J., Rohrbach, J., Schuckit, M., Tischfield, J., Porjesz, B. and Hesselbrock, V. (2010). Obesity, smoking, and frontal brain dysfunction. *The American Journal on Addictions* 19(5): 391-400. PMID: PMC2924769.
 3. *** Bierut, L.J., Agrawal, A., Bucholz, K.K., Doheny, K.F., Laurie, C., Pugh, E., Fisher, S., Fox, L., Howells, W., Bertelsen, S., Hinrichs, A.L., Almasy, L., Breslau, N., Culverhouse, R.C., Dick, D.M., Edenberg, H.J., Foroud, T., Grucza, R.A., Hatsukami, D., Hesselbrock, V., Johnson, E.O., Kramer, J., Krueger, R.F., Kuperman, S., Lynskey, M., Mann, K., Neuman, R.J., Nöthen, M.M., Nurnberger, J.I., Jr., Porjesz, B., Ridinger, M., Saccone, N.L., Saccone, S.F., Schuckit, M.A., Tischfield, J.A., Wang, J.C, Rietschel, M., Goate, A.M., and Rice, J.P., as part of the GENEVA Consortium (2010). A genome-wide association study of alcohol dependence. *Proceedings of the National Academy of Sciences of the United States of America* 107(11):5082-5087. PMID: PMC2841942.
 4. Cavazos-Rehg, P.A. Spitznagel, E.L., Bucholz, K.K., Nurnberger, J., Jr., Edenberg, H.J., Kramer, J.R., Kuperman, S., Hesselbrock, V., and Bierut, L.J. (2010). Predictors of sexual debut at age 16 or younger. *Archives of Sexual Behavior* 39(3):664-673. PMID: PMC2855761, PMID: 18846417.
 5. Chen, A.C., Manz, N., Tang, Y., Rangaswamy, M., Almasy, L., Kuperman, S., Nurnberger, J., Jr., O'Connor, S.J., Edenberg, H.J., Schuckit, M.A., Tischfield, J., Foroud, T., Bierut, L.J., Rohrbach, J., Rice, J.P., Goate, A., Hesselbrock, V., and Porjesz, B. (2010). Single nucleotide polymorphisms in corticotropin releasing hormone receptor 1 gene (*CRHR1*) are associated with quantitative traits of event-related potential and alcohol dependence. *Alcoholism: Clinical and Experimental Research* 34(6):988-996. PMID: PMC 2878886, PMID: 20374216.
 6. *** Cornelis, M.C., Agrawal, A., Cole, J.W., Hansel, N.N., Barnes, K.C., Beaty, T.H., Bennett, S.N., Bierut, L.J., Boerwinkle, E., Doheny, K.F., Feenstra, B., Feingold, E., Fornage, M., Haiman, C.A., Harris, E.L., Hayes, M.G., Heit, J.A., Hu, F.B., Kang, J.H., Laurie, C.C., Ling, H., Manolio, T.A., Marazita, M.L., Mathias, R.A., Mirel, D.B., Paschall, J., Pasquale, L.R., Pugh, E.W., Rice, J.P., Udren, J., van Dam, R.M., Wang, X., Wiggs, J.L., Williams, K., and Yu, K.; GENEVA Consortium (2010). The Gene, Environment Association Studies consortium (GENEVA): Maximizing the knowledge obtained from GWAS by collaboration across studies of multiple conditions. *Genetic Epidemiology*, 34(4):364-372. PMID: PMC2860056.
 7. *** Derringer, J., Krueger, R.F., Dick, D.M., Saccone, S., Grucza, R.A., Agrawal, A., Lin, P., Almasy, L., Edenberg, H.J., Foroud, T., Nurnberger, J.I., Jr., Hesselbrock, V.M., Kramer, J.R., Kuperman, S., Porjesz, B., Schuckit, M.A., and Bierut, L.J.; Gene Environment Association Studies (GENEVA) Consortium (2010). Predicting sensation seeking from dopamine genes: A candidate-system approach. *Psychological Science* 21(9):1282-1290. PMID: PMC3031097.
 8. Dick, D.M., Meyers, J., Aliev, F., Nurnberger, J., Jr., Kramer, J., Kuperman, S., Porjesz, B., Tischfield, J., Edenberg, H.J., Foroud, T., Schuckit, M., Goate, A., Hesselbrock, V., and Bierut, L. (2010). Evidence for genes on chromosome 2 contributing to alcohol dependence with conduct disorder and suicide attempts. *Neuropsychiatric Genetics Part B: American Journal of Medical Genetics* 153B(6):1179-1188. PMID: 20468071.

9. Dick, D.M., Smith, G., Olausson, P., Mitchell, S.H., Leeman, R.F., O'Malley, S.S., and Sher, K. (2010). Understanding the construct of impulsivity and its relationship to alcohol use disorders. *Addiction Biology* 15(2):217-226. PMCID: PMC2895996.
10. Edenberg, H.J., Koller, D.L., Xuei, X., Wetherill, L., McClintick, J.N., Almasy, L., Bierut, L.J., Bucholz, K.K., Goate, A., Aliev, F., Dick, D., Hesselbrock, V., Hinrichs, A., Kramer, J., Kuperman, S., Nurnberger, J.I., Jr., Rice, J.P., Schuckit, M.A., Taylor, R., Todd Webb, B., Tischfield, J.A., Porjesz, B., and Foroud, T. (2010). Genome-wide association study of alcohol dependence implicates a region on chromosome 11. *Alcoholism: Clinical and Experimental Research* 34(5):840-852. PMCID: PMC2884073.
11. *** Elks, C.E., Perry, J.R., Sulem, P., Chasman, D.I., Franceschini, N., He, C., Lunetta, K.L., Visser, J.A., Byrne, E.M., Cousminer, D.L., Gudbjartsson, D.F., Esko, T., Feenstra, B., Hottenga, J.J., Koller, D.L., Kutalik, Z., Lin, P., Mangino, M., Marongiu, M., McArdle, P.F., Smith, A.V., Stolk, L., van Wingerden, S.H., Zhao, J.H., Albrecht, E., Corre, T., Ingelsson, E., Hayward, C., Magnusson, P.K., Smith, E.N., Ulivi, S., Warrington, N.M., Zgaga, L., Alavere, H., Amin, N., Aspelund, T., Bandinelli, S., Barroso, I., Berenson, G.S., Bergmann, S., Blackburn, H., Boerwinkle, E., Buring, J.E., Busonero, F., Campbell, H., Chanock, S.J., Chen, W., Cornelis, M.C., Couper, D., Coviello, A.D., d'Adamo, P., de Faire, U., de Geus, E.J., Deloukas, P., Döring, A., Smith, G.D., Easton, D.F., Eiriksdottir, G., Emilsson, V., Eriksson, J., Ferrucci, L., Folsom, A.R., Foroud, T., Garcia, M., Gasparini, P., Geller, F., Gieger, C.; GIANT Consortium, Gudnason, V., Hall, P., Hankinson, S.E., Ferrelli, L., Heath, A.C., Hernandez, D.G., Hofman, A., Hu, F.B., Illig, T., Järvelin, M.R., Johnson, A.D., Karasik, D., Khaw, K.T., Kiel, D.P., Kilpeläinen, T.O., Kolcic, I., Kraft, P., Launer, L.J., Laven, J.S., Li, S., Liu, J., Levy, D., Martin, N.G., McArdle, W.L., Melbye, M., Mooser, V., Murray, J.C., Murray, S.S., Nalls, M.A., Navarro, P., Nelis, M., Ness, A.R., Northstone, K., Oostra, B.A., Peacock, M., Palmer, L.J., Palotie, A., Paré, G., Parker, A.N., Pedersen, N.L., Peltonen, L., Pennell, C.E., Pharoah, P., Polasek, O., Plump, A.S., Pouta, A., Porcu, E., Rafnar, T., Rice, J.P., Ring, S.M., Rivadeneira, F., Rudan, I., Sala, C., Salomaa, V., Sanna, S., Schlessinger, D., Schork, N.J., Scuteri, A., Segrè, A.V., Shuldiner, A.R., Soranzo, N., Sovio, U., Srinivasan, S.R., Strachan, D.P., Tammesoo, M.L., Tikkanen, E., Toniolo, D., Tsui, K., Tryggvadottir, L., Tyrer, J., Uda, M., van Dam, R.M., van Meurs, J.B., Vollenweider, P., Waeber, G., Wareham, N.J., Waterworth, D.M., Weedon, M.N., Wichmann, H.E., Willemsen, G., Wilson, J.F., Wright, A.F., Young, L., Zhai, G., Zhuang, W.V., Bierut, L.J., Boomsma, D.I., Boyd, H.A., Crisponi, L., Demerath, E.W., van Duijn, C.M., Econs, M.J., Harris, T.B., Hunter, D.J., Loos, R.J., Metspalu, A., Montgomery, G.W., Ridker, P.M., Spector, T.D., Streeten, E.A., Stefansson, K., Thorsteinsdottir, U., Uitterlinden, A.G., Widen, E., Murabito, J.M., Ong, K.K., and Murray, A. (2010). Thirty new loci for age at menarche identified by a meta-analysis of genome-wide association studies. *Nature Genetics* 42(12):1077-1085. PMCID: PMC3140055.
12. Foroud, T., Edenberg, H.J., and Crabbe, J.C. (2010). Genetic research: Who is at risk for alcoholism? *Alcohol Research & Health* 33(1 and 2):64-75.
13. Grucza, R.A., Krueger, R.F., Racette, S.B., Norberg, K.E., Hipp, P.R., and Bierut, L.J. (2010). The emerging link between alcoholism risk and obesity in the United States. *Archives of Genetic Psychiatry* 67(12):1301-1308. PMCID: PMC3110764.
14. Hartz, S.M. and Bierut, L.J. (2010). Genetics of addictions. *Journal of Laboratory and Clinical Medicine* 30(4):847-864. PMCID: PMC3047506.
15. Jonson-Reid, M., Presnall, N., Drake, B., Fox, L., Bierut, L., Reich, W., Kane, P., Todd, R.D., and Constantino, J.N. (2010). Effects of child maltreatment and inherited liability on antisocial development: An official records study. *Journal of American Academy of Child and Adolescent Psychiatry* 49(4):321-332. PMCID: PMC2878182.
16. Kalsi, G., Kuo, P.H., Aliev, F., Alexander, J., McMichael, O., Patterson, D.G., Walsh, D., Zhao, Z., Schuckit, M., Nurnberger, J., Jr., Edenberg, H., Kramer, J., Hesselbrock, V., Tischfield, J.A., Vladimirov, V., Prescott, C.A., Dick, D.M., Kendler, K.S., and Riley, B.P. (2010). A systematic gene-based screen of chr4q22-q32 identifies association of a novel susceptibility gene, *DDIT3*, with the quantitative trait of alcohol dependence symptom counts. *Human Molecular Genetics* 19(12):2497-2506. PMCID: PMC2876884.

17. Kamarajan, C., Rangaswamy, M., Tang, Y., Chorlian, D.B., Pandey, A.K., Roopesh, B.N., Manz, N., Saunders, R., Stimus, A.T., and Porjesz, B. (2010). Dysfunctional reward processing in male alcoholics: An ERP study during a gambling task. *Journal of Psychiatric Research* 44(9):576-590. PMCID: PMC2878886.
18. Kramer, J., Chan, G., Hesselbrock, V.M., Kuperman, S., Bucholz, K.K., Edenberg, H.J., Schuckit, M., Nurnberger, J., Jr., Foroud, T., Dick, D.M., Bierut, L., and Porjesz, B. (2010). A principle components analysis of the abbreviated desires for alcohol questionnaire (DAQ). *Journal of Studies on Alcohol and Drugs* 71(1):150-155. PMCID: PMC2815057.
19. *** Laurie, C.C., Doheny, K.F., Mirel, D.B., Pugh, E.W., Bierut, L.J., Bhangale, T., Boehm, F., Caporaso, N.E., Cornelis, M.C., Edenberg, H.J., Gabriel, S.B., Harris, E.L., Hu, F.B., Jacobs, K.B., Kraft, P., Landi, M.T., Lumley, T., Manolio, T.A., McHugh, C., Painter, I., Paschall, J., Rice, J.P., Rice, K.M., Zheng, X., Weir, B.S., and GENEVA Investigators. (2010). Quality control and quality assurance in genotypic data for genome-wide association studies. *Genetic Epidemiology* 34(6):591-602. PMCID: PMC3061487.
20. *** Lin, P., Hartz, S.M., Zhang, Z., Saccone, S.F., Wang, J., Tischfield, J.A., Edenberg, H.J., Kramer, J.R., M. Goate, A., Bierut, L.J., Rice, J.P., COGA Collaborators, COGEND Collaborators, and GENEVA (2010). A new statistic to evaluate imputation reliability. *PLoS ONE* 5(3):e9697. PMCID: PMC2837741.
21. Meyers, J.L. and Dick, D.M. (2010). Genetic and environmental risk factors for youth adolescent onset substance use disorders. *Child and Adolescent Psychiatric Clinics of North America* 19(3):465-477. PMCID: PMC20682215.
22. ***Noor A, Whibley A, Marshall CR, Gianakopoulos PJ, Piton A, Carson AR, Orlic-Milacic M, Lionel AC, Sato D, Pinto D, Drmic I, Noakes C, Senman L, Zhang X, Mo R, Gauthier J, Crosbie J, Pagnamenta AT, Munson J, Estes AM, Fiebig A, Franke A, Schreiber S, Stewart AF, Roberts R, McPherson R, Guter SJ, Cook EH, Jr., Dawson G, Schellenberg GD, Battaglia A, Maestrini E, Jeng L, Hutchison T, Rajcan-Separovic E, Chudley AE, Lewis SM, Liu X, Holden JJ, Fernandez B, Zwaigenbaum L, Bryson SE, Roberts W, Szatmari P, Gallagher L, Stratton MR, Gecz J, Brady AF, Schwartz CE, Schachar RJ, Monaco AP, Rouleau GA, Hui CC, Lucy Raymond F, Scherer SW, Vincent JB (2010). Disruption at the *PTCHD1* Locus on Xp22.11 in Autism spectrum disorder and intellectual disability. *Science Translational Medicine* 2(49):49ra68. PMCID: PMC2987731.
23. *** Pinto, D., Pagnamenta, A.T., Klei, L., Anney, R., Merico, D., Regan, R., Conroy, J., Magalhaes, T.R., Correia, C., Abrahams, B.S., Almeida, J., Bacchelli, E., Bader, G.D., Bailey, A.J., Baird, G., Battaglia, A., Berney, T., Bolshakova, N., Bölte, S., Bolton, P.F., Bourgeron, T., Brennan, S., Brian, J., Bryson, S.E., Carson, A.R., Casallo, G., Casey, J., Chung, B.H., Cochrane, L., Corsello, C., Crawford, E.L., Crossett, A., Cytrynbaum, C., Dawson, G., de Jonge, M., Delorme, R., Drmic, I., Duketis, E., Duque, F., Estes, A., Farrar, P., Fernandez, B.A., Folstein, S.E., Fombonne, E., Freitag, C.M., Gilbert, J., Gillberg, C., Glessner, J.T., Goldberg, J., Green, A., Green, J., Guter, S.J., Hakonarson, H., Heron, E.A., Hill, M., Holt, R., Howe, J.L., Hughes, G., Hus, V., Iglizzi, R., Kim, C., Klauck, S.M., Klevzon, A., Korvatska, O., Kustanovich, V., Lajonchere, C.M., Lamb, J.A., Laskawiec, M., Leboyer, M., Le Couteur, A., Leventhal, B.L., Lionel, A.C., Liu, X.Q., Lord, C., Lotspeich, L., Lund, S.C., Maestrini, E., Mahoney, W., Mantoulan, C., Marshall, C.R., McConachie, H., McDougle, C.J., McGrath, J., McMahon, W.M., Merikangas, A., Migita, O., Minshew, N.J., Mirza, G.K., Munson, J., Nelson, S.F., Noakes, C., Noor, A., Nygren, G., Oliveira, G., Papanikolaou, K., Parr, J.R., Parrini, B., Paton, T., Pickles, A., Pilorge, M., Piven, J., Ponting, C.P., Posey, D.J., Poustka, A., Poustka, F., Prasad, A., Ragoussis, J., Renshaw, K., Rickaby, J., Roberts, W., Roeder, K., Roge, B., Rutter, M.L., Bierut, L.J., Rice, J.P., Salt, J., Sansom, K., Sato, D., Segurado, R., Sequeira, A.F., Senman, L., Shah, N., Sheffield, V.C., Soorya, L., Sousa, I., Stein, O., Sykes, N., Stoppioni, V., Strawbridge, C., Tancredi, R., Tansey, K., Thiruvahindrapduram, B., Thompson, A.P., Thomson, S., Tryfon, A., Tsiantis, J., Van Engeland, H., Vincent, J.B., Volkmar, F., Wallace, S., Wang, K., Wang, Z., Wassink, T.H., Webber, C., Weksberg, R., Wing, K., Wittemeyer, K., Wood, S., Wu, J., Yaspan, B.L., Zurawiecki, D., Zwaigenbaum, L., Buxbaum, J.D., Cantor, R.M., Cook, E.H., Coon, H., Cuccaro, M.L., Devlin, B., Ennis, S., Gallagher, L., Geschwind, D.H., Gill, M., Haines, J.L., Hallmayer, J., Miller, J., Monaco, A.P., Nurnberger, J.I., Jr., Paterson, A.D., Pericak-Vance, M.A., Schellenberg, G.D., Szatmari, P., Vicente, A.M., Vieland, V.J., Wijsman, E.M., Scherer, S.W., Sutcliffe, J.S., and Betancur, C. (2010). Functional

impact of global rare copy number variation in autism spectrum disorders. *Nature* 466(7304):368-372. PMID: PMC3021798.

24. *** Saccone NL, Culverhouse RC, Schwantes-An TH, Cannon DS, Chen X, Cichon S, Giegling I, Han S, Han Y, Keskitalo-Vuokko K, Kong X, Landi MT, Ma JZ, Short SE, Stephens SH, Stevens VL, Sun L, Wang Y, Wenzlaff AS, Aggen SH, Breslau N, Broderick P, Chatterjee N, Chen J, Heath AC, Heliovaara M, Hoft NR, Hunter DJ, Jensen MK, Martin NG, Montgomery GW, Niu T, Payne TJ, Peltonen L, Pergadia ML, Rice JP, Sherva R, Spitz MR, Sun J, Wang JC, Weiss RB, Wheeler W, Witt SH, Yang BZ, Caporaso NE, Ehringer MA, Eisen T, Gapstur SM, Gelernter J, Houlston R, Kaprio J, Kendler KS, Kraft P, Leppert MF, Li MD, Madden PA, Nothen MM, Pillai S, Rietschel M, Rujescu D, Schwartz A, Amos CI, Bierut LJ (2010). Multiple independent loci at chromosome 15q25.1 affect smoking quantity: a meta-analysis and comparison with lung cancer and COPD. *PLoS Genetics* 6(8)e1001053. PMID: PMC2916847.
25. Saccone, S.F., Bolze, R., Thomas, P., Quan, J., Mehta, G., Deelman, E., Tischfield, J.A., and Rice, J.P. (2010). SPOT: A web-based tool for using biological databases to prioritize SNPs after a genome-wide association study. *Nucleic acids research* 38(Web Server issue):W201-209. PMID: PMC2896195.
26. *** Thornton T, McPeck MS (2010). ROADTRIPS: case-control association testing with partially or completely unknown population and pedigree structure. *American Journal of Human Genetics* 86(2):172-84. PMID: PMC2820184.
27. Xuei, X., Flury-Wetherill, L., Dick, D., Goate, A., Tischfield, J., Nurnberger, J., Jr., Schuckit, M., Kramer, J., Kuperman, S., Hesselbrock, V., Porjesz, B., Foroud, T., and Edenberg, H.J. (2010). *GABRR1* and *GABRR2*, encoding the GABA-A receptor subunits rho1 and rho2, are associated with alcohol dependence. *American Journal of Medical Genetics B: Neuropsychiatric Genetics* 153B(2):418-427. PMID: PMC2829340.

Publications in 2009

1. Agrawal, A., Wetherill, L., Dick, D.M., Xuei, X., Hinrichs, A.L., Hesselbrock, V., Kramer, J., Nurnberger, J.I., Jr., Schuckit, M.A., Bierut, L.J., Edenberg, H.J., and Foroud, T. (2009). Evidence for association between polymorphisms in the cannabinoid receptor 1 (*CNR1*) gene and cannabis dependence. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 150B(5):736-740. PMID: 19536785, PMID: PMC2703788.
2. Cavazos-Rehg, P.A., Spitznagel, E.L., Schootman, M., Strickland, J.R., Afful, S.E., Cottler, L.B., and Bierut, L.J. (2009). Risky sexual behaviours and sexually transmitted diseases: A comparison study of cocaine-dependent individuals in treatment versus a community-matched sample. *AIDS Patient Care and STDs* 23(9):727-734. PMID: PMC2804246.
3. Chen, A., Tang, Y., Rangaswamy, M., Almasy, L., Kuperman, S., Nurnberger, J., Jr., O'Connor, S., Edenberg, H., Schuckit, M., Tischfield, J., Foroud, T., Bierut, L., Rohrbach, J., Bauer, L., Rice, J., Hesselbrock, V., Goate, A., and Porjesz, B. (2009). Association of single nucleotide polymorphisms in a glutamate receptor gene (*GRM8*) with theta power of event-related oscillations and alcohol dependence. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 150B(3):359-368. PMID: PMC2660384.
4. Chorlian, D.B., Rangaswamy, M., and Porjesz, B. (2009). EEG coherence: Topography and frequency structure. *Experimental Brain Research* 198(1):59-83. PMID: 19626316, PMID: PMC2645043.
5. Grucza, R., Norberg, K., and Bierut, L. (2009). Binge drinking among youth and young adults in the United States: 1979-2006. *Journal of American Academy of Child and Adolescent Psychiatry* 48(7):692-702. PMID: 19465879, PMID: PMC2862553.
6. Hurley, J.H., Ballard, C., and Edenberg, H.J. (2009). Altering the relative abundance of GABA_A receptor subunits changes GABA- and ethanol-responses in *Xenopus* oocytes. *Alcoholism: Clinical and Experimental Research* 33(6):1089-1096. PMID: 19382902.

7. Kamarajan, C., Porjesz, B., Rangaswamy, M., Tang, Y., Chorlian, D.B., Padmanabhapillai, A., Saunders, R., Pandey, A.K., Roopesh, B.N., Manz, N., Stimus, A.T., and Begleiter, H. (2009). Brain signatures of monetary loss and gain: Outcome-related potentials in a single outcome gambling task. *Behavioral Brain Research* 197(1):62-76. PMCID: PMC2645043.
8. Kramer, J., Chan, G., Kuperman, S., Bucholz, K., Edenberg, H., Schuckit, M., Polgreen, L., Kapp, E., Hesselbrock, V., Nurnberger, J., Jr., and Bierut, L. (2009). A comparison of diagnoses obtained from in-person and telephone interviews, using the semi-structured assessment for the genetics of alcoholism (SSAGA). *Journal of Studies on Alcohol and Drugs* 70(4):623-627. PMCID: PMC2696302.
9. Lester, H.A., Xiao, C., Srinivasan, R., Son, C.D., Miwa, J., Pantoja, R., Banghart, M.R., Dougherty, D.A., Goate, A.M., and Wang, J.C. (2009). Nicotine is a selective pharmacological chaperone of acetylcholine receptor number and stoichiometry. Implications for drug discovery. *American Association of Pharmaceutical Scientists Journal* 11(1):167-177. PMID: 19280351.
10. McCutcheon, V., Heath, A., Edenberg, H., Gruzca, R., Hesselbrock, V., Kramer, J., Bierut, L., and Bucholz, K. (2009). Alcohol criteria endorsement and psychiatric and drug use disorders among DUI offenders: Greater severity among women and multiple offenders. *Addictive Behaviors* 34(5):432-439. PMID: 19167170, PMCID: PMC2855219.
11. Norberg, K.E., Bierut, L.J., and Gruzca, R.A. (2009). Long-term effects of minimum drinking age laws on past-year alcohol and drug use disorders. *Alcoholism: Clinical and Experimental Research* 33(12):2180-2190. PMCID: PMC3018854.
12. Roopesh, B.N., Rangaswamy, M., Kamarajan, C., Chorlian, D.B., Stimus, A.T., Bauer, L.O., Rohrbaugh, J., O'Connor, S.J., Kuperman, S., Schuckit, M., and Porjesz, B. (2009). Priming deficiency in male subjects at risk for alcoholism: The N4 during a lexical decision task. *Alcoholism: Clinical and Experimental Research* 33(12):2027-2036. PMID: 19764939, PMCID: PMC2924769.
13. Schuckit, M.A. (2009). Alcohol-use disorders. *Lancet* 373(9662):492-501. PMID: 19168210.
14. Schuckit, M.A., Smith, T.L., Danko, G.P., Trim, R., Bucholz, K.K., Edenberg, H.J., Hesselbrock, V., Kramer, J.J., and Dick, D.M. (2009). An evaluation of the full level of response to alcohol model of heavy drinking and problems in COGA offspring. *Journal of Studies on Alcohol and Drugs* 70(3):436-445. PMCID: PMC2670749.
15. Schuckit, M.A., Smith, T.L., Trim, R., Fukukura, T., and Allen, R. (2009). The overlap in predicting alcohol outcome for two measures of the level of response to alcohol. *Alcoholism: Clinical and Experimental Research* 33(3):563-569. PMCID: PMC2651993, NIHMSID: 84626.
16. Wang, J.C., Cruchaga, C., Saccone, N.L., Bertelsen, S., Liu, P., Budde, J.P., Duan, W., Fox, L., Gruzca, R.A., Kern, J., Mayo, K., Reyes, O., Rice, J., Saccone, S.F., Spiegel, N., Steinbach, J.H., Stitzel, J.A., Anderson, M.W., You, M., Stevens, V.L., Bierut, L.J., Goate, A.M., COGEND collaborators, and GELCC collaborators (2009). Risk for nicotine dependence and lung cancer is conferred by mRNA expression levels and amino acid change in *CHRNA5*. *Human Molecular Genetics* 18(16):3125-3135. PMCID: PMC2714722.
17. Wang, J.C., Gruzca, R., Cruchaga, C., Hinrichs, A.L., Bertelsen, S., Budde, J.P., Fox, L., Goldstein, E., Reyes, O., Saccone, N., Saccone, S., Xuei, X., Bucholz, K., Kuperman, S., Nurnberger, J., Jr., Rice, J.P., Schuckit, M., Tischfield, J., Hesselbrock, V., Porjesz, B., Edenberg, H.J., Bierut, L.J., and Goate, A.M. (2009). Genetic variation in the *CHRNA5* gene affects mRNA levels and is associated with risk for alcohol dependence. *Molecular Psychiatry* 14(5):501-510. PMID: 18414406.

Publications in 2008

1. Agrawal, A., Hinrichs, A.L., Dunn, G., Bertelsen, S., Dick, D.M., Saccone, S.F., Saccone, N.L., Gruzca, R.A., Wang, J.C., Cloninger, C.R., Edenberg, H.J., Foroud, T., Hesselbrock, V., Kramer, J., Bucholz, K.K., Kuperman, S., Nurnberger, J.I., Jr., Porjesz, B., Schuckit, M.A., Goate, A.M., and Bierut, L.J. (2008). Linkage scan for quantitative traits identifies new regions of interest for substance dependence in the Collaborative Study on the Genetics of Alcoholism (COGA) sample. *Drug and Alcohol Dependence* 93(1-2):12-20. PMCID: PMC2266629.
2. Bierut, L.J., Stitzel, J.A., Wang, J.C., Hinrichs, A.L., Gruzca, R.A., Xuei, X., Saccone, N.L., Saccone, S.F., Bertelsen, S., Fox, L., Horton, W.J., Breslau, N., Budde, J., Cloninger, C.R., Dick, D.M., Foroud, T., Hatsukami, D., Hesselbrock, V., Johnson, E.O., Kramer, J., Kuperman, S., Madden, P.A.F., Mayo, K., Nurnberger, J., Jr., Pomerleau, O., Porjesz, B., Reyes, O., Schuckit, M., Swan, G., Tischfield, J.A., Edenberg, H.J., Rice, J.P., and Goate, A.M. (2008). Variants in nicotinic receptors and risk for nicotine dependence. *American Journal of Psychiatry* 165(9):1163-1171. PMCID: PMC2574742.
3. Dick, D. and Agrawal, A. (2008). The genetics of alcohol and other drug dependence. *Alcohol Research & Health* 31(2):111-118.
4. Dick, D.M., Aliev, F., Wang, J.C., Gruzca, R.A., Schuckit, M., Kuperman, S., Kramer, J., Hinrichs, A., Bertelsen, S., Budde, J.P., Hesselbrock, V., Porjesz, B., Edenberg, H.J., Bierut, L.J., and Goate, A. (2008). Using dimensional models of externalizing psychopathology to aid in gene identification. *Archives of General Psychiatry* 65(3):310-318. PMID: 18316677.
5. Dick, D.M., Aliev, F., Wang, J.C., Saccone, S., Hinrichs, A., Bertelsen, S., Budde, J., Saccone, N., Foroud, T., Nurnberger, J., Jr., Xuei, X., Conneally, P.M., Schuckit, M., Almasy, L., Crowe, R., Kuperman, S., Kramer, J., Tischfield, J.A., Hesselbrock, V., Edenberg, H.J., Porjesz, B., Rice, J.P., Bierut, L., and Goate, A. (2008). A systematic single nucleotide polymorphism screen to fine-map alcohol dependence genes on chromosome 7 identifies association with a novel susceptibility gene ACN9. *Biological Psychiatry* 63(11):1047-1053. PMID: 18163977.
6. Edenberg, H.J., Wang, J., Tian, H., Pochareddy, S., Xuei, X., Wetherill, L., Goate, A., Hinrichs, T., Kuperman, S., Nurnberger, J.I., Jr., Schuckit, M., Tischfield, J.A., and Foroud, T. (2008). A regulatory variation in *OPRK1*, the gene encoding the κ -opioid receptor, is associated with alcohol dependence. *Human Molecular Genetics* 17(12):1783-1789. PMCID: PMC2405904 , PMID: 18319328.
7. Edenberg, H.J., Xuei, X.L., Wetherill, L.F., Bierut, L., Bucholz, K., Dick, D.M., Hesselbrock, V., Kuperman, S., Porjesz, B., Schuckit, M.A., Tischfield, J.A., Almasy, L.A., Nurnberger, J.I., and Foroud, T. (2008). Association of *NFKB1*, which encodes a subunit of the transcription factor NF- κ B, with alcohol dependence. *Human Molecular Genetics* 17(7):963-970. PMID: 18079108.
8. Foroud, T., Flury-Wetherill, L., Kramer, J., Tischfield, J., Nurnberger, J., Jr., Schuckit, M., Xuei, X., and Edenberg, H. (2008). The tachykinin receptor 3 (*TACR3*) is associated with alcohol and cocaine dependence. *Alcoholism: Clinical and Experimental Research* 32(6):1023-1030. PMCID: PMC2430628, PMID: 18422838.
9. Ghosh, S., Bierut, L.J., Porjesz, B., Edenberg, H.J., Dick, D., Goate, A., Hesselbrock, V., Nurnberger, J., Jr., Foroud, T., Kramer, J., Rice, J., and Begleiter, H. (2008). A novel non-parametric regression reveals linkage on chromosome 4 for the number of externalizing symptoms in sib-pairs. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 147B:1301-1305. PMCID: PMC2879266.
10. Gruzca, R., Bucholz, K., Rice, J., and Bierut, L. (2008). Secular trends in the lifetime prevalence of alcohol dependence in the United States: A re-evaluation. *Alcoholism: Clinical and Experimental Research* 32(5):763-770. PMCID: PMC2443101 , PMID: 18336633.
11. Gruzca, R., Norberg, K., Bucholz, K., and Bierut, L. (2008). Correspondence between secular changes in alcohol dependence and age of drinking onset among women in the United States. *Alcoholism: Clinical and Experimental Research* 32(8):1493-1501. PMCID: PMC2661151, PMID: 18564104.

12. Gruzca, R.A., Wang, J.C., Stitzel, J.A., Hinrichs, A.L., Saccone, S.F., Saccone, N.L., Bucholz, K.K., Cloninger, C.R., Neuman, R.J., Budde, J.P., Fox, L., Bertelsen, S., Kramer, J., Hesselbrock, V., Tischfield, J., Nurnberger, J.I., Jr, Almasy, L., Porjesz, B., Kuperman, S., Schuckit, M.A., Edenberg, H.J., Rice, J.P., Goate, A.M., and Bierut, L.J. (2008). A risk allele for nicotine dependence in CHRNA5 is a protective allele for cocaine dependence. *Biological Psychiatry* 64(11):922-929. PMCID: PMC2582594.
13. Kramer, J., Chan, G., Dick, D., Kuperman, S., Bucholz, K., Hesselbrock, V., Edenberg, H., Polgreen, L., Hesselbrock, V., Schuckit, M., Nurnberger, J., Jr., Kapp, E., Porjesz, B., and Bierut, L. (2008). Multiple-domain predictors of problematic alcohol use in young adulthood. *Journal of Studies on Alcohol and Drugs* 69(5):649-659. PMCID: PMC2575389.
14. Mayfield, R.D., Harris, R.A., and Schuckit, M.A. (2008). Genetic factors influencing alcohol dependence. *British Journal of Pharmacology* 154(2):275–287. PMCID: PMC2442454.
15. Pescosolido, B.A., Perry, B.L., Long, J.S., Martin, J.K., Nurnberger, J.I., Jr., and Hesselbrock, V. (2008). Under the influence of genetics: How transdisciplinarity leads us to rethink social pathways to illness. *American Journal of Sociology* 114(Suppl):S171-201. PMID: 19569404.
16. Rangaswamy, M. and Porjesz, B. (2008). From event-related potential to oscillations: Genetic diathesis in brain (dys)function and alcohol dependence. *Alcohol Research & Health* 31(3):238-242.
17. Rangaswamy, M. and Porjesz, B. (2008). Uncovering genes for cognitive (dys)function and predisposition for alcoholism spectrum disorders: A review of human brain oscillations as effective endophenotypes. *Brain Research* 1235:153-171. PMCID: PMC2814598.
18. Saccone, S.F., Saccone, N.L., Swan, G.E., Madden, P.A., Goate, A.M., Rice, J.P., and Bierut, L.J. (2008). Systematic biological prioritization after a genome-wide association study: An application to nicotine dependence. *Bioinformatics* 24(16):1805-1811. PMCID: PMC2610477.
19. Schuckit, M., Danko G., Smith, T., Bierut, L., Bucholz, K., Edenberg, H., Hesselbrock, V., Kramer, J., Nurnberger, J., Jr., Allen, R., Kreikebaum, S., and Hinga, B. (2008). The prognostic implications of DSM-IV abuse criteria in drinking adolescents. *Drug and Alcohol Dependence* 97(1-2):94-104. PMCID: PMC2581466, PMID: 18479842
20. Schuckit, M., Smith, T., Hesselbrock, V., Bucholz, K., Bierut, L., Edenberg, H., Kramer, J., Longacre, E., Fukukura, T., Kalmijn, J., Danko, G., and Trim, R. (2008). Clinical implications of tolerance to alcohol in nondependent young drinkers. *American Journal of Drug and Alcohol Abuse* 34(2):133-149. PMID: 18293230.
21. Wetherill, L., Schuckit, M.A., Hesselbrock, V., Xuei, X., Liang, T., Dick, D.M., Kramer, J., Nurnberger, J.I., Jr., Tischfield, J.A., Porjesz, B., Edenberg, H.J., and Foroud, T. (2008). Neuropeptide y receptor genes are associated with alcohol dependence, alcohol withdrawal phenotypes, and cocaine dependence. *Alcoholism: Clinical and Experimental Research* 32(12):2031-2040. PMCID: PMC2650441.
22. Xuei, X., Flury-Wetherill, L., Almasy, L., Bierut, L., Tischfield, J., Schuckit, M., Nurnberger, J., Jr., Foroud, T., and Edenberg, H. (2008). Association analysis of genes encoding the nociceptin receptor (*OPRL1*) and its endogenous ligand (*PNOC*) with alcohol or illicit drug dependence. *Addiction Biology* 13(1):80-87. PMID: 17910740.

Publications in 2007

1. Cavazos-Regh, P.A., Spitznagel, E.L., Bucholz, K.K., Norberg, K., Reich, W., Nurnberger, J., Jr., Hesselbrock, V., Kramer, J., Kuperman, S., and Bierut, L.J. (2007). The relationship between alcohol problems and dependence, conduct problems and diagnosis, and number of sex partners in a sample of young adults. *Alcoholism: Clinical and Experimental Research* 31(12):2046-2052.

2. Chen, C.T., Wang, J.C., and Cohen, B.A. (2007). The strength of selection on ultraconserved elements in the human genome. *American Journal of Human Genetics* 80:692-704. PMID: 17357075, PMCID: PMC1852725.
3. Chorlian, D.B., Tang, Y., Rangaswamy, M., O'Connor, S.J., Rohrbaugh, J., Taylor, R., and Porjesz, B. (2007). Heritability of EEG coherence in a large sib-pair population. *Biological Psychology* 75:260-266.
4. Connor, K., Hesselbrock, V., Meldrum, S., Schuckit, M., Bucholz, K., Gamble, S., Wines, J., and Kramer, J. (2007). Transitions to, and predictors of, suicidal ideation, plans and unplanned- and planned suicide attempts among 3729 men and women with alcohol dependence. *Journal of Studies on Alcohol and Drugs* 68(5):654-662.
5. Dick, D. (2007). Identification of genes influencing a spectrum of externalizing psychopathology. *Current Directions in Psychological Science* 16(6):331-335.
6. Dick, D., Agrawal, A., Wang, J., Hinrichs, A., Bertelsen, S., Bucholz, K., Schuckit, M., Kramer, J., Edenberg, H., Nurnberger, J., Jr., Tischfield, J., Goate, A., and Bierut, L. (2007). Alcohol dependence with comorbid drug dependence: Genetic and phenotypic associations suggest a more severe form of the disorder with stronger genetic contribution to risk. *Addiction* 102:1131-1139.
7. Dick, D.M., Aliev, F., Kramer, J., Wang, J.C., Hinrichs, A., Bertelsen, S., Kuperman, S., Schuckit, M., Nurnberger, J., Edenberg, H.J., Porjesz, B., Begleiter, H., Hesselbrock, V., Goate, A., and Bierut, L. (2007). Association of CHRM2 with IQ: Converging evidence for a gene influencing intelligence. *Behavior Genetics* 37:265-272.
8. Dick, D., Aliev, F., Wang, J., Saccone, S., Hinrichs, A., Bertelsen, S., Budde, J., Saccone, N., Foroud, T., Nurnberger, J., Jr., Xuei, X., Conneally, P., Schuckit, M., Almasy, L., Crowe, R., Kuperman, S., Kramer, J., Tischfield, J., Hesselbrock, V., Edenberg, H., Porjesz, B., Rice, J., Bierut, L., and Goate, A. (2007). A systematic SNP screen to fine-map alcohol dependence genes on chromosome 7 identifies association with a novel susceptibility gene ACN9. *Biological Psychiatry* 63(11):1047-1053. PMID: 18163977.
9. Dick, D., Plunkett, J., Hamlin, D., Nurnberger, J., Jr., Kuperman, S., Schuckit, M., Hesselbrock, V., Edenberg, H., and Bierut, L. (2007). Association analyses of the serotonin transporter gene with lifetime depression and alcohol dependence in the Collaborative Study on the Genetics of Alcoholism (COGA) sample. *Psychiatric Genetics* 17(1):35-38.
10. Dick, D.M., Wang, J.C., Plunkett, J., Aliev, F., Hinrichs, A., Bertelsen, S., Budde, J.P., Goldstein, E.L., Kaplan, D., Edenberg, H.J., Nurnberger, J., Jr., Hesselbrock, V., Schuckit, M., Kuperman, S., Tischfield, J., Porjesz, B., Begleiter, H., Bierut, L., and Goate, A. (2007). Family-based association analyses of alcohol dependence phenotypes across DRD2 and neighboring gene ANKK1. *Alcoholism: Clinical and Experimental Research* 31:1645-1653.
11. Foroud, T., Flury-Wetherill, L., Dick, D., Hesselbrock, V., Nurnberger, J., Jr., Kramer, J., Tischfield, J., Schuckit, M., Bierut, L., Xuei, X., and Edenberg, H. (2007). Lack of association of alcohol dependence and habitual smoking with catechol-O-methyltransferase (COMT). *Alcoholism: Clinical and Experimental Research* 31(11):1773-1779.
12. Foroud, T., Flury-Wetherill, L., Liang, T., Dick, D.M., Hesselbrock, V., Kramer, J., Nurnberger, J.I., Jr., Schuckit, M., Carr, L., Porjesz, B., Xuei, X., and Edenberg, H.J. (2007). Association of alcohol craving with α -synuclein (SNCA). *Alcoholism: Clinical and Experimental Research* 31:537-545.
13. Helzer, J.E., Bucholz, K.K., and Gossop, M. (2007). A dimensional option for the diagnosis of substance dependence in DSM-V. *International Journal of Methods in Psychiatric Research* 16(Suppl 1):S24-33.

14. Hesselbrock, V. and Hesselbrock, M. (2007). Are there empirically supported and clinically useful subtypes of alcohol dependence? In: Schuckit, M.A., Sirovatka, P. and Regier, D.A. (eds.). *Diagnostic Issues in Substance Use Disorders*. American Psychiatric Association, 2007, pp 171-182.
15. Nurnberger, J.I., Jr. and Bierut, L.J. (2007). Seeking the connections: Alcoholism and our genes. *Scientific American* 296(4):46-53.
16. Nurnberger, J., Jr., Kuperman, S., Flury-Wetherill, L., and Meyer, E. (2007). Genetics of comorbid mood disorder and alcohol dependence. *Journal of Dual Diagnosis: Research and Practice in Substance Abuse Comorbidity* 3(2):31-46.
17. Porjesz, B. and Li, T.-K. (2007). Impulsivity and addiction: A tribute to Henri Begleiter. *The Scientific World Journal* 7:131-141.
18. Porjesz, B. and Rangaswamy, M. (2007). Neurophysiological endophenotypes, CNS disinhibition, and risk for alcohol dependence and related disorders. *The Scientific World Journal* 7:121-123.
19. Rangaswamy, M., Jones, K.A., Porjesz, B., Chorlian, D.B., Padmanabhapillai, A., Kamarajan, C. Kuperman, S., Rohrbaugh, J., O'Connor S., Bauer L.O., Schuckit, M., and Begleiter, H. (2007). Delta and theta oscillations as risk markers in adolescent offspring of alcoholics. *International Journal of Psychophysiology* 63:3-15.
20. Schuckit, M., Smith, T., Danko, G., Pierson, J., Hesselbrock, V., Bucholz, K., Kramer, J., Kuperman, S., Dietiker, C., Brandon, R., and Chan, G. (2007). The ability of the Self-Rating of the Effects of Alcohol (SRE) Scale to predict alcohol-related outcomes five years later. *Journal of Studies on Alcohol and Drugs* 68(3):371-378.
21. Schuckit, M., Smith, T., Danko, G., Pierson, J., Trim, R., Nurnberger, J., Jr., Kramer, J., Kuperman, S., Bierut, L., and Hesselbrock, V. (2007). A comparison of factors associated with substance-induced versus independent depressions. *Journal of Studies on Alcohol and Drugs* 68:805-812.
22. Tang, Y., Chorlian, D.B., Rangaswamy, M., O'Connor S., Taylor, R., Rohrbaugh, J., Porjesz, B., and Begleiter, H. (2007). Heritability of bipolar EEG spectra in a large sib-pair population. *Behavior Genetics* 37:302-313.
23. Tang, Y., Chorlian, D.B., Rangaswamy, M., Porjesz, B., Bauer, L., Kuperman, S., O'Connor, S., Schuckit, M., Stimus, A., and Begleiter, H. (2007). Genetic influences on bipolar EEG power spectra. *International Journal of Psychophysiology* 65(1):2-9.
24. Wang, J., Hinrichs, A., Bertelsen, S., Stock, H., Budde, J., Dick, D., Bucholz, K., Rice, J., Saccone, N., Edenberg, H., Hesselbrock, V., Kuperman, S., Schuckit, M., Bierut, L., and Goate, A. (2007). Functional variants in TAS2R38 and TAS2R16 influence alcohol consumption in high-risk families of African American origin. *Alcoholism: Clinical and Experimental Research* 31:209-215.
25. Xuei, X., Flury-Wetherill, L., Bierut, L., Dick, D., Nurnberger, J., Jr., Foroud, T., and Edenberg, H. (2007). The opioid system and alcohol and drug dependence: Family-based association study. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 144B:877-884.

Publications in 2006

1. Agrawal, A., Edenberg, H.J., Foroud, T., Bierut, L.J., Dunne, G., Hinrichs, A.L., Nurnberger, J.I., Crowe, R., Kuperman, S., Schuckit, M.A., Begleiter, H., Porjesz, B., and Dick, D.M. (2006). Association of GABRA2 with drug dependence in the Collaborative Study of the Genetics of Alcoholism sample. *Behavior Genetics* 36:640-650.
2. Begleiter, H. and Porjesz, B. (2006). Genetics of human brain oscillations. *International Journal of Psychophysiology* 60:162-171.

3. Bucholz, K., Nurnberger, J., Jr., Kramer, J., Hesselbrock, V., Schuckit, M., and Bierut, L. (2006). Comparison of psychiatric diagnoses from interview with those from best-estimate procedures. *Journal of Studies on Alcohol and Drugs* 67(1):157-168.
4. Connor, K., Hesselbrock, V., Schuckit, M., Hirsch, J., Knox, K., Meldrum, S., Bucholz, K., Kramer, J., Kuperman, S., Preuss, U., and Soyka, M. (2006). Precontemplated and impulsive suicide attempts among individuals with alcohol dependence. *Journal of Studies on Alcohol and Drugs* 67(1):95-101.
5. Dick, D.M., Agrawal, A., Schuckit, M.A., Bierut, L., Hinrichs, A., Fox, L., Mullaney, J., Cloninger, C.R., Hesselbrock, V., Nurnberger, J.I., Jr., Almasy, L., Foroud, T., Porjesz, B., Edenberg, H., and Begleiter, H. (2006). Marital status, alcohol dependence, and GABRA2: Evidence for gene-environment correlation and interaction. *Journal of Studies on Alcohol and Drugs* 67:185-194.
6. Dick, D.M., Aliev, F., Bierut, L., Goate, A., Rice, J., Hinrichs, A., Bertelsen, S., Wang, J.C., Dunn, G., Kuperman, S., Schuckit, M., Nurnberger, J., Jr., Porjesz, B., Begleiter, H., Kramer, J., and Hesselbrock, V. (2006). Linkage analyses of IQ in the Collaborative Study on the Genetics of Alcoholism (COGA) sample. *Behavior Genetics* 36:77-86.
7. Dick, D. and Bierut, L. (2006). The genetics of alcohol dependence. *Current Psychiatry Reports* 8:151-157.
8. Dick, D.M., Bierut, L., Hinrichs, A., Fox, L., Bucholz, K.K., Kramer, J., Kuperman, S., Hesselbrock, V., Schuckit, M., Almasy, L., Tischfield, J., Porjesz, B., Begleiter, H., Nurnberger, J., Jr., Xuei, X., Edenberg, H.J., and Foroud, T. (2006). The role of GABRA2 in risk for conduct disorder and alcohol and drug dependence across developmental stages. *Behavior Genetics* 36:577-590.
9. Dick, D.M., Jones, K., Saccone, N., Hinrichs, A., Wang, J.C., Goate, A., Bierut, L., Almasy, L., Schuckit, M., Hesselbrock, V., Tischfield, J., Foroud, T., Edenberg, H., Porjesz, B., and Begleiter, H. (2006). Endophenotypes successfully lead to gene identification: Results from the Collaborative Study on the Genetics of Alcoholism. *Behavior Genetics* 36:112-126.
10. Dick, D., Plunkett, J., Flury, L., Xuei, X., Goate, A., Hesselbrock, V., Schuckit, M., Crowe, R., Edenberg, H., and Foroud, T. (2006). Association between GABRA1 and drinking behaviors in the Collaborative Study on the Genetics of Alcoholism sample. *Alcoholism: Clinical and Experimental Research* 30(7):1101-1110.
11. Duncan, A., Neuman, R., Kramer, J., Kuperman, S., Hesselbrock, V., and Bucholz, K. (2006). Lifetime psychiatric comorbidity of alcohol dependence and bulimia nervosa in women. *Drug and Alcohol Dependence* 84:122-132.
12. Edenberg, H. and Foroud, T. (2006). The genetics of alcoholism: Identifying specific genes through family studies. *Addiction Biology* 11(3-4):386-396.
13. Edenberg, H.J., Xuei, X., Chen, H.J., Tian, H., Wetherill, L.F., Dick, D.M., Almasy, L., Bierut, L., Bucholz, K.K., Goate, A., Hesselbrock, V., Kuperman, S., Nurnberger, J., Porjesz, B., Rice, J., Schuckit, M., Tischfield, J., Begleiter, H., and Foroud, T. (2006). Association of alcohol dehydrogenase genes with alcohol dependence: A comprehensive analysis. *Human Molecular Genetics* 15:1539-1549.
14. Fisher, S., Bucholz, K., Reich, W., Fox, L., Kuperman, S., Kramer, J., Hesselbrock, V., Dick, D., Nurnberger, J.I., Jr., Edenberg, H., and Bierut, L. (2006). Teenagers are right – parents don't know much: An analysis of adolescent-parent agreement on reports of adolescent substance use, abuse and dependence. *Alcoholism: Clinical and Experimental Research* 30(19):1699-1710.
15. Gogineni, A., King, S., Jackson, K., Kramer, J., Bucholz, K., Chan, G., Iacono, W., Kuperman, S., Larkins, J., Longabaugh, R., McGue, M., Polgreen, L., Sher, K., Stout, R., Strong, D., and Woolard, R. (2006). Female

offspring of alcoholic individuals: Recent findings on alcoholism and psychopathology risks. *Alcoholism: Clinical and Experimental Research* 30(2):377-387.

16. Gruzca, R. and Bierut, L. (2006). Cigarette smoking and the risk for alcohol use disorders among adolescent drinkers. *Alcoholism: Clinical and Experimental Research* 30(12):2046-2054. PMID: 17117970.
17. Gruzca, R. and Bierut, L. (2006). Co-occurring risk factors for alcohol dependence and habitual smoking: Update on findings from the Collaborative Study on the Genetics of Alcoholism. *Alcohol Research & Health* 29(3):172-178. PMID: 17373405.
18. Gruzca, R., Cloninger, C.R., Bucholz, K., Constantino, J., Schuckit, M., Dick, D., and Bierut, L. (2006). Novelty seeking as a moderator of familial risk for alcohol dependence. *Alcoholism: Clinical and Experimental Research* 30(7):1176-1183.
19. Hayden, E.P., Wiegand, R.E., Meyer, E.T., Bauer, L.O., O'Connor, S.J., Nurnberger, J.I., Jr., Chorlian, D.B., Porjesz, B., and Begleiter, H. (2006). Patterns of regional brain activity in alcohol-dependent subjects. *Alcoholism: Clinical and Experimental Research* 30(12):1986-1991.
20. Helzer, J.E., Bucholz, K.K., Bierut, L.J., Regier, D.A., Schuckit, M.A., and Guth, S.E. (2006). Should DSM-V include dimensional diagnostic criteria for alcohol use disorders? *Alcoholism: Clinical and Experimental Research* 30(2): 303-310.
21. Hesselbrock, V. and Hesselbrock, M. (2006). Are there empirically supported and clinically useful subtypes of alcohol dependence? *Addiction* 101(Suppl 1):97-103.
22. Hesselbrock, V. and Hesselbrock, M. (2006). Developmental perspectives on the risk for developing substance abuse problems. In: Miller, W.R. & Carroll, K.M. (eds.), *Rethinking substance abuse: What the science shows and what we should do about it*. Guilford Press, New York, 2006, pp. 97-114.
23. Hinrichs, A.L., Wang, J.C., Bufe, B., Kwon, J.M., Budde, J., Allen, R., Bertelsen, S., Evans, W., Dick, D., Rice, J., Foroud, T., Nurnberger, J., Tischfield, J.A., Kuperman, S., Crowe, R., Hesselbrock, V., Schuckit, M., Almasy, L., Porjesz, B., Edenberg, H.J., Begleiter, H., Meyerhof, W., Bierut, L.J., and Goate, A.M. (2006). Functional variant in a bitter-taste receptor (hTAS2R16) influences risk of alcohol dependence. *American Journal of Human Genetics* 78:103-111.
24. Johnson, C., Drgon, T., Liu, Q., Walther, D., Edenberg, H., Rice, J., Foroud, T., and Uhl, G. (2006). Pooled association genome scanning for alcohol dependence using 104,268 SNPs: Validation and use to identify alcoholism vulnerability loci in unrelated individuals from the Collaborative Study on the Genetics of Alcoholism. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 141(8):844-853.
25. Jones, K.A., Porjesz, B., Chorlian, D., Rangaswamy, M., Kamarajan, C., Padmanabhapillai, A., Stimus, A., and Begleiter, H. (2006). S-transform time-frequency analysis of P300 reveals deficits in individuals diagnosed with alcoholism. *Clinical Neurophysiology* 117:2128-2143.
26. Jones, K.A., Porjesz, B., Almasy, L., Bierut, L., Goate, A., Hinrichs, A., Rice, J.P., Rohrbaugh, J., Bauer, L.O., Crowe, R.R., Edenberg, H.J., Foroud, T., Hesselbrock, V., Kuperman, S., Nurnberger, J., Jr., O'Connor, S.J., Schuckit, M.A., Tischfield, J.A., and Begleiter, H. (2006). A cholinergic receptor gene (CHRM2) affects event-related oscillations. *Behavior Genetics* 36:627-639.
27. Kamarajan, C., Porjesz, B., Jones, K., Chorlian, D., Padmanabhapillai, A., Rangaswamy, M., Stimus, A., and Begleiter, H. (2006). Event-related oscillations in offspring of alcoholics: Neurocognitive disinhibition as a risk for alcoholism. *Biological Psychiatry* 59:625-634.

28. Ohannessian, C., Hesselbrock, V., Ruddy, K., Kramer, J., Kuperman, S., Bucholz, K., and Schuckit, M. (2006). The effects of parental substance use on adolescent psychological adjustment: A micro-level approach. *The Prevention Researcher* 13(4):7-9.
29. Padmanabhapillai, A., Porjesz, B., Ranganathan, M., Jones, K.A., Chorlian, D.B., Tang, Y., Kamarajan, C., Rangaswamy, M., Stimus, A., and Begleiter, H. (2006). Suppression of early evoked gamma band response in male alcoholics during a visual oddball task. *International Journal of Psychophysiology* 60:15-26.
30. Padmanabhapillai, A., Tang, Y., Ranganathan, M., Rangaswamy, M., Jones, K.A., Chorlian, D.B., Kamarajan, C., Stimus, A.T., Kuperman, S., Rohrbaugh, J., O'Connor, S.J., Bauer, L.O., Schuckit, M.A., Begleiter, H., and Porjesz, B. (2006). Evoked gamma band response in male adolescent subjects at high risk for alcoholism during a visual oddball task. *International Journal of Psychophysiology* 62:262-271.
31. Schuckit, M., Windle, M., Smith, T., Hesselbrock, V., Ohannessian, C., Avera, S., Bauer, L., Kramer, J., Bucholz, K., and Sher, K. (2006). Searching for the full picture: Structural equation modeling in alcohol research. *Alcoholism: Clinical and Experimental Research* 30(2):194-202.
32. Volkow, N.D., Wang, G.-J., Begleiter, H., Porjesz, B., Fowler, J.S., Telang, F., Wong, C., Ma, Y., Logan, J., Goldstein, R., Alexoff, B., and Thanos, P.K. (2006). High levels of dopamine D2 receptors. *Archives of General Psychiatry* 63:999-1006.
33. Wang, K., Porjesz, B., Jones, K., and Begleiter, H. (2006). Genetic linkage and linkage disequilibrium analysis. In: Chow, S.-C. (ed.), *Encyclopedia of Biopharmaceutical Statistics*. Taylor and Francis, New York, pp 1-12.
34. Xuei, X., Dick, D., Flury-Wetherill, L., Tian, H.-J., Agrawal, A., Bierut, L., Goate, A., Bucholz, K., Schuckit, M., Nurnberger, J.I., Jr., Tischfield, J., Kuperman, S., Porjesz, B., Begleiter, H., Foroud, T., and Edenberg, H.J. (2006). Association of the κ -opioid system with alcohol dependence. *Molecular Psychiatry* 11:1016-1024.

Publications in 2005

1. Bailey-Wilson, J.E., Almasy, L., de Andrade, M., Bailey, J., Bickelboller, H., Cordell, H.J., Daw, E.W., Goldin, L., Goode, E.L., Gray-McGuire, C., Hening, W., Jarvik, G., Maher, B.S., Mendell, N., Paterson, A.D., Rice, J., Satten, G., Suarez, B., Vieland, V., Wilcox, M., Zhang, H., Ziegler, A., and MacCluer, J.W. (2005). Genetic analysis workshop 14: Microsatellite and single-nucleotide polymorphism marker loci for genome-wide scans. *BMC Genetics* 6(Supplement 1):S1.
2. Ceballos, N., Houston, R., Smith, N., Bauer, L., and Taylor, R. (2005). N400 as an index of semantic expectancies: Differential effects of alcohol and cocaine dependence. *Progress in Neuro-psychopharmacology & Biological Psychiatry* 29:936-943.
3. Corbett, J., Saccone, N.L., Foroud, T., Goate, A., Edenberg, H., Nurnberger, J., Porjesz, B., Begleiter, H., Reich, T., and Rice, J.P. (2005). A sex-adjusted and age-adjusted genome screen for nested alcohol dependence diagnoses. *Psychiatric Genetics* 15:25-30.
4. Culverhouse, R., Bucholz, K.K., Crowe, R.R., Hesselbrock, V., Nurnberger, J., Jr., Porjesz, B., Schuckit, M.A., Reich, T., and Bierut, L.J. (2005). Long-term stability of alcohol and other substance dependence diagnoses and habitual smoking: An evaluation after 5 years. *Archives of General Psychiatry* 62:753-760.
5. Dick, D., Edenberg, H., Xuei, X., Goate, A., Hesselbrock, V., Schuckit, M., Crowe, R., and Foroud, T. (2005). No association of the GABAA receptor genes on chromosome 5 with alcoholism in the Collaborative Study on the Genetics of Alcoholism sample. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 132(1):24-28.

6. Duncan, A.E., Neuman, R.J., Kramer, J., Kuperman, S., Hesselbrock, V., Reich, T., and Bucholz, K.K. (2005). Are there subgroups of bulimia nervosa based on comorbid psychiatric disorders? *International Journal of Eating Disorders* 37:19-25.
7. Dunn, G., Hinrichs, A., Bertelsen, S., Jin, C., Kauwe, J., Suarez, B., and Bierut, L. (2005). Microsatellites versus single-nucleotide polymorphisms in linkage analysis for quantitative and qualitative measures. *BMC Genetics* 6 (Suppl 1):S122.
8. Edenberg, H.J., Bierut, L.J., Boyce, P., Cao, M., Cawley, S., Chiles, R., Doheny, K.F., Hansen, M., Hinrichs, T., Jones, K., Kelleher, M., Kennedy, G.C., Liu, G., Marcus, G., McBride, C., Murray, S.S., Oliphant, A., Pettengill, J., Porjesz, B., Pugh, E.W., Rice, J.P., Rubano, T., Shannon, S., Steeke, R., Tischfield, J.A., Tsai, Y.Y., Zhang, C., and Begleiter, H. (2005). Description of the data from the Collaborative Study on the Genetics of Alcoholism (COGA) and single-nucleotide polymorphism genotyping for Genetic Analysis Workshop 14. *BMC Genetics* 6(Supplement 1):S2.
9. Eng, M., Schuckit, M., and Smith, T. (2005). The level of response to alcohol in daughters of alcoholics and controls. *Drug and Alcohol Dependence* 79:83-93.
10. Hesselbrock, V., Higuchi, S., and Soyka, M. (2005). Recent developments in the genetics of alcohol-related phenotypes. *Alcoholism: Clinical and Experimental Research* 29(7):1321-1324.
11. Hinrichs, A., Bertelsen, S., Bierut, L., Dunn, G., Jin, C., Kauwe, J., and Suarez, B. (2005). Multipoint identity-by-descent computations for single-point polymorphism and microsatellite maps. *BMC Genetics* 6 (Suppl 1):S34.
12. Hinrichs, A. and Suarez, B. (2005). Genotyping errors, pedigree errors, and missing data. *Genetic Epidemiology* 29 (Suppl 1):S120-S124.
13. Kamarajan, C., Porjesz, B., Jones, K.A., Choi, K., Chorlian, D.B., Padmanabhapillai, A., Rangaswamy, M., Stimus, A.T., and Begleiter, H. (2005). Alcoholism is a disinhibitory disorder: Neurophysiological evidence from a Go/No-Go task. *Biological Psychology* 69:353-373.
14. Kamarajan, C., Porjesz, B., Jones, K.A., Chorlian, D.B., Padmanabhapillai, A., Rangaswamy, M., Stimus, A.T., and Begleiter, H. (2005). Spatial-anatomical mapping of NoGo-P3 in the offspring of alcoholics: Evidence of cognitive and neural disinhibition as a risk for alcoholism. *Clinical Neurophysiology* 116:1049-1061.
15. Kauwe, J., Bertelsen, S., Bierut, L., Dunn, G., Hinrichs, A., Jin, C., and Suarez, B. (2005). The efficacy of short tandem repeat polymorphisms versus single-nucleotide polymorphisms for resolving population structure. *BMC Genetics* 6 (Suppl 1):S84.
16. Kuperman, S., Chan, G., Kramer, J., Bierut, L., Bucholz, K., Fox, L., Hesselbrock, V., Nurnberger, J., Jr., Reich, T., Reich, W., and Schuckit, M. (2005). Relationship of age of first drink to child behavioral problems and family psychopathology. *Alcoholism: Clinical and Experimental Research* 29(10):1869-1876.
17. Ohannessian, C., Hesselbrock, V., Kramer, J., Kuperman, S., Bucholz, K., Schuckit, M., and Nurnberger, J., Jr. (2005). The relationship between parental psychopathology and adolescent psychopathology: An examination of gender patterns. *Journal of Emotional and Behavioral Disorders* 13(2):67-76.
18. Porjesz, B., Rangaswamy, M., Kamarajan, C., Jones, K.A., Padmanabhapillai, A., and Begleiter, H. (2005). The utility of neurophysiological markers in the study of alcoholism. *Clinical Neurophysiology* 116:993-1018.
19. Rice, J. and Saccone, S. (2005). Alcoholism and related traits: A summary of Group 13 contributions (GAW). *Genetic Epidemiology* 29 (Suppl 1):S96-S102.
20. Saccone, S., Saccone, N., Neuman, R., and Rice, J. (2005). Genetic analysis of the maximum drinks phenotype. *BMC Genetics* 6 (Suppl 1):S124.

21. Schuckit, M.A., Smith, T.L., Danko, G., Anderson, K., Brown, S., Kuperman, S., Kramer, J., Hesselbrock, V., and Bucholz, K. (2005). Evaluation of a level of response to alcohol based structural equation model in adolescents. *Journal of Studies on Alcohol and Drugs* 66:174-184.
22. Schuckit, M.A., Smith, T.L., Danko, G., Kramer, J., Godinez, K., , Bucholz, K., Nurnberger, J., Jr., and Hesselbrock, V. (2005). Prospective evaluation of the four DSM-IV criteria for alcohol abuse in a larger population. *American Journal of Psychiatry* 162(2):350-360.
23. Schuckit, M.A., Smith, T.L., Danko, G., Kuperman, S., Bierut, L.J., and Hesselbrock, V. (2005). Correlations among first-degree relatives for responses on the self-rating of the effects of alcohol (SRE) questionnaire in teenagers. *Journal of Studies on Alcohol and Drugs* 66: 62-65.
24. Suarez, B., Taylor, C., Bertelsen, S., Bierut, L., Dunn, G., Jin, C., Kauwe, J., Paterson, A., and Hinrichs, A. (2005). An analysis of identical single-nucleotide polymorphisms genotyped by two different platforms. *BMC Genetics* 6 (Suppl 1):S152.

Publications in 2004

1. Bierut, L.J., Rice, J.P., Goate, A., Hinrichs, A.L., Saccone, N.L., Foroud, T., Edenberg, H.J., Cloninger, C.R., Begleiter, H., Conneally, P.M., Crowe, R.R., Hesselbrock, V., Li, T.K., Nurnberger, J.I., Jr., Porjesz, B., Schuckit, M.A., and Reich, T. (2004). A genomic scan for habitual smoking in families of alcoholics: Common and specific genetic factors in substance dependence. *American Journal of Medical Genetics* 124A:19-27.
2. Dick, D.M., Edenberg, H.J., Xuei, X., Goate, A., Kuperman, S., Schuckit, M., Crowe, R., Smith, T.L., Porjesz, B., Begleiter, H., and Foroud, T. (2004). Association of GABRG3 with alcohol dependence. *Alcoholism: Clinical and Experimental Research* 28:4-9.
3. Dick, D.M., Li, T.-K., Edenberg, H.J., Hesselbrock, V., Kramer, J., Kuperman, S., Porjesz, B., Bucholz, K., Goate, A., Nurnberger, J., and Foroud, T. (2004). A genome-wide screen for genes influencing conduct disorder. *Molecular Psychiatry* 9:81-86.
4. Edenberg, H.J., Dick, D.M., Xuei, X., Tian, H., Almasy, L., Bauer, L.O., Crowe, R.R., Goate, A., Hesselbrock, V., Jones, K., Kwon, J., Li, T.-K., Nurnberger, J.I., Jr., O'Connor, S.J., Reich, T., Rice, J., Schuckit, M.A., Porjesz, B., Foroud, T., and Begleiter, H. (2004). Variations in GABRA2, encoding the alpha 2 subunit of the GABAA receptor, are associated with alcohol dependence and with brain oscillations. *American Journal of Human Genetics* 74:705-714.
5. Hesselbrock, V., Dick, D., Hesselbrock, M., Foroud, T., Schuckit, M., Edenberg, H., Bucholz, K., Kramer, J., Reich, T., Goate, A., Bierut, L., Rice, J., and Nurnberger, J.I., Jr. (2004). The search for genetic risk factors associated with suicidal behavior. *Alcoholism: Clinical and Experimental Research* 28(5):70S-76S.
6. Jones, K.A., Porjesz, B., Almasy, L., Bierut, L., Goate, A., Wang, J.C., Dick, D.M., Hinrichs, A., Kwon, J., Rice, J.P., Rohrbaugh, J., Stock, H., Wu, W., Bauer, L.O., Chorlian, D.B., Crowe, R.R., Edenberg, H.J., Foroud, T., Hesselbrock, V., Kuperman, S., Nurnberger, J., Jr., O'Connor, S.J., Schuckit, M.A., Stimus, A.T., Tischfield, J.A., Reich, T., and Begleiter, H. (2004). Linkage and linkage disequilibrium of evoked EEG oscillations with CHRM2 receptor gene polymorphisms: implications for human brain dynamics and cognition. *International Journal of Psychophysiology* 53:75-90.
7. Kamarajan, C., Porjesz, B., Jones, K.A., Choi, K., Chorlian, D.B., Padmanabhapillai, A., Rangaswamy, M., Stimus, A.T., and Begleiter, H. (2004). The role of brain oscillations as functional correlates of cognitive systems: A study of frontal inhibitory control in alcoholism. *International Journal of Psychophysiology* 51:155-180.
8. Nurnberger, J.I., Jr., Wiegand, R., Bucholz, K., O'Connor, S., Meyer, E.T., Reich, T., Rice, J., Schuckit, M., King, L., Petti, T., Bierut, L., Hinrichs, A.L., Kuperman, S., Hesselbrock, V., and Porjesz, B. (2004). A family

study of alcohol dependence: Coaggregation of multiple disorders in relatives of alcohol-dependent probands. *Archives of General Psychiatry* 61:1246-1256.

9. Ohannessian, C., Hesselbrock, V., Kramer, J., Bucholz, K., Schuckit, M., Kuperman, S., and Nurnberger, J., Jr. (2004). Parental substance use consequences and adolescent psychopathology. *Journal of Studies on Alcohol and Drugs* 65(6):725-730.
10. Ohannessian, C., Hesselbrock, V., Kramer, J., Kuperman, S., Bucholz, K., Schuckit, M., and Nurnberger, J., Jr. (2004). The relationship between parental alcoholism and adolescent psychopathology: A systematic examination of parental comorbid psychopathology. *Journal of Abnormal Child Psychology* 32(5):519-533.
11. Polich, J. and Ochoa, C.J. (2004). Alcoholism risk, tobacco smoking, and P300 event-related potential. *Clinical Neurophysiology* 115:1374-1383.
12. Porjesz, B., Jones, K., and Begleiter, H. (2004). The genetics of oscillations in the human brain. In: Hallett, M., Phillips II, L.H., Schomer, D.L., Massey, J.M. (Eds.), *Advances in Clinical Neurophysiology* (Supplements to Clinical Neurophysiology, Volume 57). Elsevier B.V., The Netherlands, pp 437-445.
13. Rangaswamy, M., Porjesz, B., Ardekani, B.A., Choi, S.J., Tanabe, J.L., Lim, K.O., and Begleiter, H. (2004). A functional MRI study of visual oddball: evidence for frontoparietal dysfunction in subjects at risk for alcoholism. *Neuroimage* 21:329-339.
14. Rangaswamy, M., Porjesz, B., Chorlian, D.B., Wang, K., Jones, K.A., Kuperman, S., Rohrbaugh, J., O'Connor, S.J., Bauer, L.O., Reich, T., and Begleiter, H. (2004). Resting EEG in offspring of male alcoholics: Beta frequencies. *International Journal of Psychophysiology* 51:239-251.
15. Stassen, H.H., Begleiter, H., Bierut, L., Culverhouse, R., Hinrichs, T., Porjesz, B., Rice, J., Scharfetter, C., and Reich, T. (2004). Oligogenic approaches to the predisposition of alcohol dependence. A genome-wide search on 255 families. *Neurology, Psychiatry and Brain Research* 11:13-22.
16. Wang, J.C., Hinrichs, A.L., Stock, H., Budde, J., Allen, R., Bertelsen, S., Kwon, J.M., Wu, W., Dick, D.M., Rice, J., Jones, K., Nurnberger, J.I., Jr., Tischfield, J., Porjesz, B., Edenberg, H.J., Hesselbrock, V., Crowe, R., Schuckit, M., Begleiter, H., Reich, T., Goate, A.M., and Bierut, L.J. (2004). Evidence of common and specific genetic effects: Association of the muscarinic acetylcholine receptor M2 (*CHRM2*) gene with alcohol dependence and major depressive syndrome. *Human Molecular Genetics* 13:1903-1911.

Publications in 2003

1. Almasy, L. (2003). Quantitative risk factors as indices of alcoholism susceptibility. *Annals of Medicine* 35:337-343.
2. Chorlian, D.B., Porjesz, B., and Begleiter, H. (2003). Determination of human EEG alpha entrainment ERD/ERS using the continuous complex wavelet transform. *Proceedings of SPIE* 5102:145-155.
3. Dick, D.M. and Foroud, T. (2003). Candidate genes for alcohol dependence: A review of genetic evidence from human studies. *Alcoholism: Clinical and Experimental Research* 27(5):868-879.
4. Foroud, T. and Nurnberger, J., Jr. (2003). Genetics of addictive disorders. In: Soares, J. and Gershon, S. (Eds.). *The Handbook of Medical Psychiatry*, Series Volume 20. Marcel Dekker, Inc., New York, pp 973.
5. Ghosh, S., Begleiter, H., Porjesz, B., Chorlian, D.B., Edenberg, H.J., Foroud, T., Goate, A., and Reich, T. (2003). Linkage mapping of beta 2 EEG waves via non-parametric regression. *American Journal of Medical Genetics* 118B:66-71.

6. Hesselbrock, M.N., Hesselbrock, V.M., Segal, B., Schuckit, M.A., and Bucholz, K. (2003). Ethnicity and psychiatric co-morbidity among alcohol dependent persons who receive inpatient treatment: African Americans, Alaska Natives & Caucasians and Hispanics. *Alcoholism: Clinical and Experimental Research* 27(8): 1368-1373.
7. Hesselbrock, V.M., Hesselbrock, M.N., and Segal, B. (2003). Alcohol dependence among Alaskan Natives and their health care utilization. *Alcoholism: Clinical and Experimental Research* 27(8): 1353-1355.
8. Porjesz, B. and Begleiter, H. (2003). Alcoholism and human electrophysiology. *Alcohol Research & Health* 27:153-160.
9. Preuss, U.W., Schuckit, M.A., Smith, T.L., Danko, G.P., Bucholz, K.K., Hesselbrock, M.N., Hesselbrock, V., and Kramer, J.R. (2003). Predictors and correlates of suicide attempts over 5 years in 1,237 alcohol-dependent men and women. *American Journal of Psychiatry* 160:56-63.
10. Rangaswamy, M., Porjesz, B., Chorlian, D.B., Choi, K., Jones, K.A., Wang, K., Rohrbaugh, J., O'Connor, S., Kuperman, S., Reich, T., and Begleiter, H. (2003). Theta power in the EEG of alcoholics. *Alcoholism: Clinical and Experimental Research* 27:607-615.
11. Rice, J.P., Neuman, R.J., Saccone, N.L., Corbett, J., Rochberg, N., Hesselbrock, V., Bucholz, K.K., McGuffin, P., and Reich, T. (2003). Age and birth cohort effects on rates of alcohol dependence. *Alcoholism: Clinical and Experimental Research* 27(1):93-99.
12. Rice, J.P., Saccone, N.L., Foroud, T., Edenberg, H.J., Nurnberger, J.I., Jr., Goate, A., Crowe, R.R., Hesselbrock, V., Schuckit, M., Porjesz, B., Reich, T., and Begleiter, H. (2003). Alcoholism: The USA Collaborative Study on the Genetics of Alcoholism (COGA). In: Cooper, D.N. (ed.), *Encyclopedia of the Human Genome*. MacMillian Publishers Ltd., Nature Publishing Group, pp 60-66.
13. Schuckit, M., Danko, G., Smith, T., Hesselbrock, V., Kramer, J., and Bucholz, K. (2003). A five-year prospective evaluation of DSM-IV alcohol dependence with and without a physiological component. *Alcoholism: Clinical and Experimental Research* 27:818-825.
14. Song, J., Koller, D.L., Foroud, T., Carr, K., Zhao, J., Rice, J., Nurnberger, J.I., Jr., Begleiter, H., Porjesz, B., Smith, T.L., Schuckit, M.A., and Edenberg, H.J. (2003). Association of GABAA receptors and alcohol dependence and the effects of genetic imprinting. *American Journal of Medical Genetics. Part B, Neuropsychiatric Genetics* 117B:39-45.
15. Suresh, S., Porjesz, B., Chorlian, D.B., Choi, K., Jones, K.A., Wang, K., Stimus, A., and Begleiter, H. (2003). Auditory P3 in female alcoholics. *Alcoholism: Clinical and Experimental Research* 27:1064-1074.
16. Wilhelmsen, K.C., Schuckit, M., Smith, T.L., Lee, J.V., Segall, S.K., Feiler, H.S., and Kalmijn, J. (2003). A search for genes related to a low-level response to alcohol as established by an alcohol challenge. *Alcoholism: Clinical and Experimental Research* 27(7):1041-1047.

Publications in 2002

1. Ardekani, B.A., Choi, S.J., Hossein-Zadeh, G.A., Porjesz, B., Tanabe, J.L., Lim, K.O., Bilder, R., Helpern, J.A., and Begleiter, H. (2002). Functional magnetic resonance imaging of brain activity in the visual oddball task. *Cognitive Brain Research* 14:347-356.
2. Bierut, L.J., Saccone, N.L., Rice, J.P., Goate, A., Foroud, T., Edenberg, H., Almasy, L., Conneally, P.M., Crowe, R., Hesselbrock, V., Li, T.K., Nurnberger, J., Jr., Porjesz, B., Schuckit, M.A., Tischfield, J., Begleiter, H., and Reich, T. (2002). Defining alcohol-related phenotypes in humans. The Collaborative Study on the Genetics of Alcoholism. *Alcohol Research & Health* 26:208-213.

3. Cohen, H.L., Ji, J., Chorlian, D.B., Begleiter, H., and Porjesz, B. (2002). Alcohol-related ERP changes recorded from different modalities: a topographic analysis. *Alcoholism: Clinical and Experimental Research* 26:303-317.
4. Dick, D.M. and Foroud, T. (2002). Genetic strategies to detect genes involved in alcoholism and alcohol-related traits. *Alcohol Research & Health* 26(3):172-180.
5. Dick, D.M., Nurnberger, J., Jr., Edenberg, H.J., Goate, A., Crowe, R., Rice, J., Bucholz, K.K., Kramer, J., Schuckit, M.A., Smith, T.L., Porjesz, B., Begleiter, H., Hesselbrock, V., and Foroud, T. (2002). Suggestive linkage on chromosome 1 for a quantitative alcohol-related phenotype. *Alcoholism: Clinical and Experimental Research* 26:1453-1460.
6. Edenberg, H.J. (2002). The Collaborative Study on the Genetics of Alcoholism: An update. *Alcohol Research & Health* 26(3):214-218.
7. Foroud, T. and Berrettini, W.H. (2002). Addictive Disorders. In: Rimoin, D.L., Connor, J.M., Pyeritz, R.E., and Korf, B.R. (eds.), *Principles and Practice of Medical Genetics* Churchill Livingstone, 4th Ed. London: Harcourt Brace, pp 2949-2971.
8. Hesselbrock, V. and Mitsuru, K. (2002). COGA. *Bunshi-Seishin Igaku Journal of Molecular Psychiatry* 2:1.
9. Jones, K., Begleiter, H., Porjesz, B., Wang, K., and Chorlian, D. (2002). Complexity measures of event related potential surface Laplacian data calculated using the wavelet packet transform. *Brain Topography* 14:333-344.
10. Nurnberger, J.I., Jr., Foroud, T., Flury, L., Meyer, E.T., and Wiegand, R. (2002). Is there a genetic relationship between alcoholism and depression? *Alcohol Research & Health* 26(3):233-240.
11. Porjesz, B., Almasy, L., Edenberg, H.J., Wang, K., Chorlian, D.B., Foroud, T., Goate, A., Rice, J.P., O'Connor, S.J., Rohrbaugh, J., Kuperman, S., Bauer, L.O., Crowe, R.R., Schuckit, M.A., Hesselbrock, V., Conneally, P.M., Tischfield, J.A., Li, T.-K., Reich, T., and Begleiter, H. (2002). Linkage disequilibrium between the beta frequency of the human EEG and a GABAA receptor gene locus. *Proceedings of the National Academy of Sciences of the United States of America* 99:3729-3733.
12. Porjesz, B., Begleiter, H., Wang, K., Almasy, L., Chorlian, D.B., Stimus, A.T., Kuperman, S., O'Connor, S.J., Rohrbaugh, J., Bauer, L.O., Edenberg, H.J., Goate, A., Rice, J.P., and Reich, T. (2002). Linkage and linkage disequilibrium mapping of ERP and EEG phenotypes. *Biological Psychology* 61:229-248.
13. Preuss, U.W., Schuckit, M.A., Smith, T.L., Danko, G.P., Buckman, K., Bierut, L., Bucholz, K.K., Hesselbrock, M.N., Hesselbrock, V.M., and Reich, T. (2002). Comparison of 3190 alcohol-dependent individuals with and without suicide attempts. *Alcoholism: Clinical and Experimental Research* 26(4):471-477.
14. Preuss, U.W., Schuckit, M.A., Smith, T.L., Danko, G.P., Dasher, A.C., Hesselbrock, M.N., Hesselbrock, V.M., and Nurnberger, J.I., Jr. (2002). A comparison of alcohol-induced and independent depression in alcoholics with histories of suicide attempts. *Journal of Studies on Alcoholism* 63:498-502.
15. Rangaswamy, M., Porjesz, B., Chorlian, D.B., Wang, K., Jones, K.A., Bauer, L.O., Rohrbaugh, J., O'Connor, S.J., Kuperman, S., Reich, T., and Begleiter, H. (2002). Beta power in the EEG of alcoholics. *Biological Psychiatry* 52:831-842.
16. Saccone, N.L., Rice, J.P., Rochberg, N., Williams, J.T., Goate, A., Reich, T., Edenberg, H.J., Foroud, T., Nurnberger, J.I., Jr., Bierut, L.J., Crowe, R., and Li, T.-K. (2002). Linkage for platelet monomine oxidase (MAO) activity: Results from a replication sample. *Alcoholism: Clinical and Experimental Research* 26(5):603-609.

17. Schuckit, M.A., Danko, G.P., Smith, T.L., and Buckman, K.R. (2002). The five-year predictive validity of each of the seven DSM-IV items for alcohol dependence among alcoholics. *Alcoholism: Clinical and Experimental Research* 26(7):980-987.
18. Schuckit, M.A., Smith, T.L., Danko, G.P., Reich, T., Bucholz, K.K., and Bierut, L.J. (2002). Similarities in the clinical characteristics related to alcohol dependence in two populations. *American Journal of Addictions* 11:1-9.
19. Schuckit, M.A., Smith, T.L., Kramer, J., Danko, G., and Volpe, F.R. (2002). The prevalence and clinical course of sedative-hypnotic abuse and dependence in a large cohort. *American Journal of Drug and Alcohol Abuse* 28(1):73-90.

Publications in 2001

1. Almasy, L., Porjesz, B., Blangero, J., Goate, A., Edenberg, H.J., Chorlian, D.B., Kuperman, S., O'Connor, S.J., Rohrbaugh, J., Bauer, L.O., Foroud, T., Rice, J.P., Reich, T., and Begleiter, H. (2001). Genetics of event-related brain potentials in response to a semantic priming paradigm in families with a history of alcoholism. *American Journal of Human Genetics* 68:128-135.
2. Daw, E.W., Rice, J.P., Anthenelli, R.M., Schuckit, M.A., Tipp, J., Saccone, N.L., Reich, T., Nurnberger, J.I., Jr., and Li, T.-K. (2001). A bootstrapped commingling analysis of platelet monoamine oxidase activity levels corrected of cigarette smoking. *Psychiatric Genetics* 11(4):177-185.
3. Hada, M., Porjesz, B., Chorlian, D.B., Begleiter, H., and Polich, J. (2001). Auditory P3a deficits in male subjects at high risk for alcoholism. *Biological Psychiatry* 49:726-738.
4. Hesselbrock, V., Begleiter, H., Porjesz, B., O'Connor, S., and Bauer, L. (2001). P300 event-related potential amplitude as an endophenotype of alcoholism-evidence from the Collaborative Study on the Genetics of Alcoholism. *Journal of Biomedical Science* 8:77-82.
5. Hesselbrock, V.M., Foroud, T., Edenberg, H., Nurnberger, J.I., Jr., Reich, T., and Rice, J.P. (2001). Genetics and alcoholism: The COGA project. In: *Alcohol in Health and Disease*, Editors: Agaarwal, D.P. and Seitz, H.K. Marcel Dekker, Inc., New York, pp 103-124.
6. Kuperman, S., Schlosser, S.S., Kramer, J.R., Bucholz, K., Hesselbrock, V., Reich, T., and Reich, W. (2001). Developmental sequence from disruptive behavior diagnosis to adolescent alcohol dependence. *American Journal of Psychiatry* 158:2022-2026.
7. Kuperman, S., Schlosser, S.S., Kramer, J.R., Bucholz, K., Hesselbrock, V., Reich, T., and Reich, W. (2001). Risk domains associated with an adolescent alcohol dependence diagnosis. *Addiction* 96:629-636.
8. Nurnberger, J.I., Jr., Foroud, T., Flury, L., Su, J., Meyer, E.T., Hu, K., Crowe, R., Edenberg, H., Goate, A., Bierut, L., Reich, T., Schuckit, M., and Reich, W. (2001). Evidence for a locus on chromosome 1 that influences vulnerability to alcoholism and affective disorder. *American Journal of Psychiatry* 158:718-724.
9. Prabhu, V.R., Porjesz, B., Chorlian, D.B., Wang, K., Stimus, A., and Begleiter, H. (2001). Visual P3 in female alcoholics. *Alcoholism: Clinical and Experimental Research* 25:531-539.
10. Schuckit, M., Danko, G.P., Raimo, E.B., Smith, T.L., Eng, M.Y., Carpenter, K.K.T., and Hesselbrock, V.M. (2001). A preliminary evaluation of the potential usefulness of the diagnoses of polysubstance dependence. *Journal of Studies on Alcoholism* 62:54-61.
11. Schuckit, M.A., Edenberg, H.J., Kalmijn, J., Flury, L., Smith, T.L., Reich, T., Bierut, L., Goate, A., and Foroud, T. (2001). A genome-wide search for genes that relate to a low level of response to alcohol. *Alcoholism: Clinical and Experimental Research* 25(3):323-329.

12. Schuckit, M.A., Smith, T.L., Danko, G.P., Bucholz, K.K., Reich, T., and Bierut, L. (2001). Five-year clinical course associated with DSM-IV alcohol abuse or dependence in a large group of men and women. *American Journal of Psychiatry* 158(7):1084-1090.
13. Vedeniapin, A.B., Anokhin, A.P., Sirevaag, E., Rohrbaugh, J.W., and Cloninger, C.R. (2001). Visual P300 and the self-directed scale of the temperament and character inventory. *Psychiatry Research* 101:145-156.
14. Wang, K., Begleiter, H., and Porjesz, B. (2001). Warp-averaging event-related potentials. *Clinical Neurophysiology* 112:1917-1924.
15. Zhang, X.L., Cohen, H.L., Porjesz, B., and Begleiter, H. (2001). Mismatch negativity in subjects at high risk for alcoholism. *Alcoholism: Clinical and Experimental Research* 25:330-337.

Publications in 2000

1. Anokhin, A.P., Vedeniapin, A.B., Sirevaag, E.J., Bauer, L.O., O'Connor, S.J., Kuperman, S., Porjesz, B., Reich, T., Begleiter, H., Polich, J., and Rohrbaugh, J.W. (2000). The P300 brain potential is reduced in smokers. *Psychopharmacology* 149:409-413.
2. Begleiter, H. and Porjesz, B. (2000). What is inherited in the predisposition to alcoholism: New model or more muddle? *Alcoholism: Clinical and Experimental Research* 24:246-250.
3. Bierut, L.J., Rice, J.P., Edenberg, H.J., Goate, A., Foroud, T., Cloninger, C.R., Begleiter, H., Conneally, P.M., Crowe, R.R., Hesselbrock, V., Li, T.K., Nurnberger, J.I., Jr., Porjesz, B., Schuckit, M.A., and Reich, T. (2000). Family-based study of the association of the dopamine D2 receptor gene (DRD2) with habitual smoking. *American Journal of Medical Genetics* 90:299-302.
4. Bierut, L.J., Schuckit, M.A., Hesselbrock, V., and Reich, T. (2000). Co-occurring risk factors for alcohol dependence and habitual smoking. Results from the Collaborative Study on the Genetics of Alcoholism. *Alcohol Health & Research World* 24(4):233-241.
5. Bucholz, K., Hesselbrock, V., Heath, A., Kramer, J., and Schuckit, M. (2000). A latent class analysis of antisocial personality disorder symptom data from a multi-centre family study of alcoholism. *Addiction* 95(4):553-567.
6. Costa, L., Bauer, L., Kuperman, S., Porjesz, B., O'Connor, S., Hesselbrock, V., Rohrbaugh, J., and Begleiter, H. (2000). Frontal P300 decrements, alcohol dependence, and antisocial personality disorder. *Biological Psychiatry* 47:1064-1071.
7. Daepfen, J.B., Smith, T., Danko, G., Gordon, L., Landi, N., Nurnberger, J.I., Jr., Bucholz, K., Raimo, E., and Schuckit, M. (2000). Clinical correlates of cigarette smoking and nicotine dependence in alcohol dependent men and women. *Alcohol* 35(2):171-175.
8. Foroud, T., Edenberg, H.J., Goate, A., Rice, J., Flury, L., Koller, D.L., Bierut, L.J., Conneally, P.M., Nurnberger, J.I., Bucholz, K.K., Li, T.K., Hesselbrock, V., Crowe, R., Schuckit, M., Porjesz, B., Begleiter, H., and Reich, T. (2000). Alcoholism susceptibility loci: Confirmation studies in a replicate sample and further mapping. *Alcoholism: Clinical and Experimental Research* 24:933-945.
9. Hada, M., Porjesz, B., Begleiter, H., and Polich, J. (2000). Auditory P3a assessment of male alcoholics. *Biological Psychiatry* 48:276-286.
10. Hesselbrock, V., Hesselbrock, M., Bucholz, K., Schuckit, M., Begleiter, H., Porjesz, B., Nurnberger, J., Jr., and Reich, T. (2000). A five cluster phenotype of alcohol dependence. *Alcoholism: Clinical and Experimental Research* 24(5):163A.

11. McClintick, J. and Edenberg, H.J. (2000). BlastReport: A Perl script to facilitate the use of sequence databases for mapping and clustering. *Biotechniques* 29(6):1272-1276.
12. Raimo, E.B., Smith, T.L., Danko, G.P., Bucholz, K.K., and Schuckit, M.A. (2000). Clinical characteristics and family histories of alcoholics with stimulant dependence. *Journal of Studies on Alcoholism* 61:728-735.
13. Saccone, N.L., Kwon, J.M., Corbett, J., Goate, A., Rochberg, N., Edenberg, H.J., Foroud, T., Li, T.K., Begleiter, H., Reich, T., and Rice, J.P. (2000). A genome screen of maximum number of drinks as an alcoholism phenotype. *American Journal of Medical Genetics* 96:632-637.
14. Schuckit, M.A., Smith, T.L., Kalmijn, J., Tsuang, J., Hesselbrock, V., and Bucholz, K.K. (2000). Response to alcohol in daughters of alcoholics: A pilot study and a comparison with sons of alcoholics. *Alcohol* 35(3):242-248.
15. Wang, K., Begleiter, H., and Porjesz, B. (2000). Trilinear modeling of event-related potentials. *Brain Topography* 12:263-271.

Publications in 1999

1. Almasy, L. and Borecki, I.B. (1999). Exploring genetic analysis of complex traits through the paradigm of alcohol dependence: summary of GAW11 contributions. *Genetic Epidemiology* 17(Suppl. 1):S1-24. PMID: 10597406
2. Almasy, L., Porjesz, B., Blangero, J., Chorlian, D.B., O'Connor, S.J., Kuperman, S., Rohrbaugh, J., Bauer, L.O., Reich, T., Polich, J., and Begleiter, H. (1999). Heritability of event-related brain potentials in families with a history of alcoholism. *American Journal of Medical Genetics* 88:383-390.
3. Begleiter, H. and Porjesz, B. (1999). What is inherited in the predisposition toward alcoholism? A proposed model. *Alcoholism: Clinical and Experimental Research* 23:1125-1135.
4. Begleiter, H., Reich, T., Nurnberger, J., Jr., Li, T.-K., Conneally, P.M., Edenberg, H., Crowe, R., Kuperman, S., Schuckit, M., Bloom, F., Hesselbrock, V., Porjesz, B., Cloninger, C.R., Rice, J., and Goate, A. (1999). Description of the genetic analysis workshop 11 Collaborative Study on the Genetics of Alcoholism. *Genetic Epidemiology* 17 (Suppl 1):S25-S30.
5. Foroud, T. and Li, T.-K. (1999). Genetics of alcoholism: A review of recent studies in human and animal models. *The American Journal on Addictions* 8:261-278.
6. Hesselbrock, M., Easton, C., Bucholz, K., Schuckit, M., and Hesselbrock, V.A. (1999). Validity study of the SSAGA - a comparison with the SCAN. *Addiction* 94(9):1361-1370.
7. Holguin, S.R., Porjesz, B., Chorlian, D.B., Polich, J., and Begleiter, H. (1999). Visual P3a in male subjects at high risk for alcoholism. *Biological Psychiatry* 46:281-291.
8. Holguin, S.R., Porjesz, B., Chorlian, D.B., Polich, J., and Begleiter, H. (1999). Visual P3a in male alcoholics and controls. *Alcoholism: Clinical and Experimental Research* 23:582-591.
9. Kuperman, S., Schlosser, S., Lidral, J., and Reich, W. (1999). Relationship of child psychopathology to parental alcoholism and ASPD. *Journal of the American Academy of Child and Adolescent Psychiatry* 38(6):686-692. PMID: 10361786
10. Neuman, R.J., Todd, R.D., Heath, A.C., Reich, W., Hudziak, J.J., Bucholz, K.K., Madden, P.A., Begleiter, H., Porjesz, B., Kuperman, S., Hesselbrock, V., and Reich, T. (1999). Evaluation of ADHD typology in three

contrasting samples: A latent class approach. *Journal of the American Academy of Child and Adolescent Psychiatry* 38:25-33.

11. Polich, J. and Bloom, F. (1999). P300, alcoholism inheritability, and stimulus modality. *Alcohol* 17:149-156.
12. Raimo, E.B., Daepfen, J.B., Smith, T.L., Danko, G.P., and Schuckit, M.A. (1999). Clinical characteristics of alcoholism in alcohol-dependent subjects with and without history of alcohol treatment. *Alcoholism: Clinical and Experimental Research* 23(10):1605-1613.
13. Reich, T., Hinrichs, A., Culverhouse, R., and Bierut, L. (1999). Psychiatric genetics '99 - genetic studies of alcoholism and substance dependence. *The American Journal of Human Genetics* 65:599-605.
14. Saccone, N.L., Rice, J.P., Rochberg, N., Goate, A., Reich, T., Shears, S., Wu, W., Nurnberger, J.I., Jr., Foroud, T., Edenberg, H.J., and Li, T.-K. (1999). A genome screen for platelet monoamine oxidase (MAO) activity. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 88:517-521.
15. Schuckit, M. (1999). New findings in the genetics of alcoholism. *The Journal of the American Medical Association* 281(20):1875-1876.
16. Schuckit, M.A., Daepfen, J.-B., Danko, G.P., Tripp, M.L., Smith, T.L., Li, T.-K., Hesselbrock, V.M., and Bucholz, K.K. (1999). Clinical implications for four drugs of the DSM-IV distinction between substance dependence with and without a physiological component. *The American Journal of Psychiatry* 156(1):41-49.
17. Stassen, H.H., Begleiter, H., Porjesz, B., Rice, J., Scharfetter, C., and Reich, T. (1999). Structural decomposition of genetic diversity in families with alcoholism. *Genetic Epidemiology* 17(Suppl 1):S325-330.
18. Williams, J.T., Begleiter, H., Porjesz, B., Edenberg, H.J., Foroud, T., Reich, T., Goate, A., Van Eerdewegh, P., Almasy, L., and Blangero, J. (1999). Joint multipoint linkage analysis of multivariate qualitative and quantitative traits. II. Alcoholism and event-related potentials. *American Journal of Human Genetics* 65:1148-1160.

Publications in 1998

1. Almasy, L., Williams, J., Porjesz, B., Reich, T., Blangero, J., and Begleiter, H. (1998). Pleiotropic genetic influences on event-related brain potentials and alcoholism. *American Journal of Medical Genetics* 81:495-496.
2. Anokhin, A. and Rohrbaugh, J. (1998). Frontal EEG asymmetry in families. *Psychophysiology (Supplement)* 35:517.
3. Anthenelli, R.M., Tipp, J., Li, T.-K., Magnes, L., Schuckit, M.A., Rice, J., Daw, W., and Nurnberger, J., Jr. (1998). Platelet monoamine oxidase activity in subgroups of alcoholics and controls: Results from the Collaborative Study on the Genetics of Alcoholism. *Alcoholism: Clinical and Experimental Research* 22(3):598-604.
4. Begleiter, H., Porjesz, B., Reich, T., Edenberg, H.J., Goate, A., Blangero, J., Almasy, L., Foroud, T., Van Eerdewegh, P., Polich, J., Rohrbaugh, J., Kuperman, S., Bauer, L.O., O'Connor, S.J., Chorlian, D.B., Li, T.K., Conneally, P.M., Hesselbrock, V., Rice, J.P., Schuckit, M.A., Cloninger, R., Nurnberger, J., Jr., Crowe, R., and Bloom, F.E. (1998). Quantitative trait loci analysis of human event-related brain potentials: P3 voltage. *Electroencephalography and Clinical Neurophysiology* 108:244-250.
5. Bierut, L.J., Dinwiddie, S.H., Begleiter, H., Crowe, R.R., Hesselbrock, V., Nurnberger, J.I., Jr., Porjesz, B., Schuckit, M.A., and Reich, T. (1998). Familial transmission of substance dependence: Alcohol, marijuana, cocaine, and habitual smoking: A report from the Collaborative Study on the Genetics of Alcoholism. *Archives of General Psychiatry* 55:982-988.

6. Blangero, J. (1998). Quantitative trait locus mapping methods for complex phenotypes: The state-of-the-science. *American Journal of Medical Genetics* 81:461.
7. Cloninger, C.R., Van Eerdewegh, P., Goate, A., Edenberg, H.J., Blangero, J., Hesselbrock, V., Reich, T., Nurnberger, J.I., Schuckit, M., Porjesz, B., Crowe, R., Rice, J.P., Foroud, T., Przybeck, T.R., Almasy, L., Buchholz, K., Wu, W., Shears, S., Carr, K., Crose, C., Willig, C., Zhou, J., Tischfield, J.A., Li, T.-K., Conneally, P.M., and Begleiter, H. (1998). Anxiety proneness linked to epistatic loci in genome scan of human personality traits. *American Journal of Medical Genetics* 81:313-317.
8. Edenberg, H.J., Foroud, T., Koller, D.L., Goate, A., Rice, J., Van Eerdewegh, P., Reich, T., Cloninger, C.R., Nurnberger, J.I., Jr., Kowalczyk, M., Wu, B., Li, T.K., Conneally, P.M., Tischfield, J.A., Wu, W., Shears, S., Crowe, R., Hesselbrock, V., Schuckit, M., Porjesz, B., and Begleiter, H. (1998). A family-based analysis of the association of the dopamine D2 receptor (DRD2) with alcoholism. *Alcoholism: Clinical and Experimental Research* 22:505-512.
9. Edenberg, H.J., Foroud, T., Koller, D.L., Goate, A., Rice, J., Van Eerdewegh, P., Reich, T., Cloninger, C.R., Nurnberger, J.I., Jr., Kowalczyk, M., Wu, B., Li, T.K., Conneally, P.M., Tischfield, J.A., Wu, W., Shears, S., Crowe, R., Hesselbrock, V., Schuckit, M., Porjesz, B., and Begleiter, H. (1998). Letter to the editor, Science, in response to previously published letter to the editor by Dr. Ernest Noble, re: A family-based analysis of the association of the dopamine D2 receptor (DRD2) with alcoholism. *Science* 282:1265.
10. Edenberg, H., Reich, T., Foroud, T., Goate, A., Rice, J., and Begleiter, H. (1998). Genes affecting alcohol dependence and related phenotypes: A genomic survey by the Collaborative Study on the Genetics of Alcoholism (COGA). *Miami Nature Biology Short Reports* 9:71-72.
11. Edenberg, H. and Reynolds, J. (1998). Improved method for detecting the long and short promoter alleles of the serotonin transporter gene HTT (SLC6A4). *Psychiatric Genetics* 8:193-195.
12. Edenberg, H.J., Reynolds, J., Koller, D.L., Begleiter, H., Bucholz, K.K., Conneally, P.M., Crowe, R., Goate, A., Hesselbrock, V., Li, T.K., Nurnberger, J.I., Jr., Porjesz, B., Reich, T., Rice, J.P., Schuckit, M., Tischfield, J.A., and Foroud, T. (1998). A family-based analysis of whether the functional promoter alleles of the serotonin transporter gene HTT affect the risk for alcohol dependence. *Alcoholism: Clinical and Experimental Research* 22:1080-1085.
13. Foroud, T., Bucholz, K.K., Edenberg, H.J., Goate, A., Neuman, R.J., Porjesz, B., Koller, D.L., Rice, J., Reich, T., Bierut, L.J., Cloninger, C.R., Nurnberger, J.I., Jr., Li, T.K., Conneally, P.M., Tischfield, J.A., Crowe, R., Hesselbrock, V., Schuckit, M., and Begleiter, H. (1998). Linkage of an alcoholism-related severity phenotype to chromosome 16. *Alcoholism: Clinical and Experimental Research* 22:2035-2042.
14. Goate, A. and Edenberg, H. (1998). The genetics of alcoholism. In: *Current Opinion in Genetics and Development*, Eds. Davies, K. and Willard, H. 8:282-286.
15. Porjesz, B. and Begleiter, H. (1998). Genetic basis of event-related potentials and their relationship to alcoholism and alcohol use. *Journal of Clinical Neurophysiology* 15:44-57.
16. Porjesz, B., Begleiter, H., Reich, T., Van Eerdewegh, P., Edenberg, H.J., Foroud, T., Goate, A., Litke, A., Chorlian, D.B., Stimus, A., Rice, J., Blangero, J., Almasy, L., Sorbell, J., Bauer, L.O., Kuperman, S., O'Connor, S.J., and Rohrbaugh, J. (1998). Amplitude of visual P3 event-related potential as a phenotypic marker for a predisposition to alcoholism: preliminary results from the COGA Project. Collaborative Study on the Genetics of Alcoholism. *Alcoholism: Clinical and Experimental Research* 22:1317-1323.
17. Reich, T., Edenberg, H.J., Goate, A., Williams, J.T., Rice, J.P., Van Eerdewegh, P., Foroud, T., Hesselbrock, V., Schuckit, M.A., Bucholz, K., Porjesz, B., Li, T.K., Conneally, P.M., Nurnberger, J.I., Jr., Tischfield, J.A., Crowe, R.R., Cloninger, C.R., Wu, W., Shears, S., Carr, K., Crose, C., Willig, C., and Begleiter, H. (1998).

Genome-wide search for genes affecting the risk for alcohol dependence. *American Journal of Medical Genetics* 81:207-215.

18. Schuckit, M., Daepfen, J.-B., Tipp, J., Hesselbrock, M., and Bucholz, K. (1998). The clinical course of alcohol-related problems in alcohol dependent and nonalcohol dependent drinking women and men. *Journal of Studies on Alcohol and Drugs* 59:581-590.
19. Schuckit, M., Smith, T., Daepfen, J.-B., Eng, M., Li, T.-K., Hesselbrock, V., Nurnberger, J., Jr., and Bucholz, K. (1998). The clinical relevance of the distinction between alcohol dependence with and without a physiological component. *American Journal of Psychiatry* 155(6):733-740.
20. Vedeniapin, A.B., Anokhin, A., Sirevaag, E., Rohrbaugh, J., and Cloninger, C. (1998). Personality differences between smoking and non-smoking alcoholics. *Alcoholism: Clinical and Experimental Research* 22:37A.

Publications in 1997

1. Alexander, J.E. and Polich, J. (1997). Handedness and P300 from Auditory Stimuli. *Brain and Cognition* 1997; 35:259-270. PMID: 9356165.
2. Anokhin, A., Vedeniapin, A., and Sirevaag, E. (1997). Frontal EEG asymmetry in depression and alcoholism: Effects of comorbidity and evidence for genetic influences. *Behavioral Genetics* 27(6):583.
3. Blangero, J., Almasy, L., Williams, J., Porjesz, B., Reich, T., and Begleiter, H. (1997). Incorporating quantitative traits in genomic scans of psychiatric diseases: Alcoholism and event-related potentials. *American Journal of Medical Genetics* 74:602.
4. Crowe, R., Kramer, J., Hesselbrock, V., Manos, G., and Bucholz, K. (1997). The utility of the "Brief MAST" and the "CAGE" in identifying alcohol problems: Results from a National high-risk and low-risk sample. *American Medical Association Archives of Family Medicine* 6:477-483.
5. Dinwiddie, S. (1997). Characteristics of injection drug users derived from a large family study of alcoholism. *Comprehensive Psychiatry* 38(4):218-229.
6. Koziol, J.A., Alexander, J.E., Bauer, L.O., Kuperman, S., Morzorati, S., O'Connor, S.J., Rohrbaugh, J., Porjesz, B., Begleiter, H., and Polich, J. (1997). A graphical technique for displaying correlation matrices. *The American Statistician* 51(4):301-304.
7. Polich, J., Alexander, J., Kuperman, S., Morzorati, S., O'Connor, S.J., Porjesz, B., Rohrbaugh, J., and Begleiter, H. (1997). P300 topography of amplitude/latency correlations. *Brain Topography* 9:275-282.
8. Porjesz, B. and Begleiter, H. (1997). Event-related potentials in COA's. *Alcohol Health and Research World* 21:236-240.
9. Rohrbaugh, J.W., Dunham, D.N., Stewart, P.A., Bauer, L.O., Kuperman, S., O'Connor, S.J., Porjesz, B., and Begleiter, H. (1997). Slow brain potentials in a visual-spatial memory task: Topographic distribution and inter-laboratory consistency. *International Journal of Psychophysiology* 25:111-122.
10. Schuckit, M., Tipp, J., Bergman, M., Nurnberger, J., Jr., Reich, W., Hesselbrock, V., and Smith, T.A. (1997). Comparison of induced and independent major depressive disorder in 2,945 alcoholics. *American Journal of Psychiatry* 154(7):948-957.
11. Schuckit, M., Tipp, J., Bucholz, K., Nurnberger, J., Jr., Hesselbrock, V., Crowe, R., and Kramer, J. (1997). The lifetime rates of three major mood disorders and four major anxiety disorders in alcoholics and controls. *Addiction* 92(10):1289-1304.

12. Schuckit, M., Tipp, J., Smith, T., and Bucholz, K. (1997). Periods of abstinence following the onset of alcohol dependence in 1,853 men and women. *Journal of Studies on Alcohol and Drugs* 58:581-589.
13. Schuckit, M., Smith, T., and Tipp, J. (1997). The self-rating of the effects of alcohol (SRE) form as a retrospective measure of the risk for alcoholism. *Addiction* 92(8): 979-988.

Publications in 1996

1. Alexander, J.E., Bauer, L.O., Kuperman, S., Rohrbaugh, J., Morzorati, S., O'Connor, S.J., Porjesz, B., Begleiter, H., and Polich, J. (1996). Hemispheric differences for P300 amplitude from an auditory oddball task. *International Journal of Psychophysiology* 21:189-196.
2. Begleiter, H. (1996). Genetics of alcoholics - an international perspective (symposium summary). *Alcoholism: Clinical and Experimental Research* 20(8):78A-81A.
3. Bucholz, K., Heath, A., Reich, T., Hesselbrock, V., Kramer, J., Nurnberger, J., Jr., and Schuckit, M. (1996). Can we subtype alcoholism? A latent class analysis of data from relatives of alcoholics in a multi-center family study of alcoholism. *Alcoholism: Clinical and Experimental Research* 20(8):1462-1471.
4. Easton, C. and Bauer, L. (1996). Neuropsychological correlates of urine toxicology results. *Progress in Neuropsychopharmacology & Biological Psychiatry* 20:969-982.
5. Hesselbrock, V., Schuckit, M., Bierut, L., Nurnberger, J., Jr., and Bucholz, K. (1996). Female alcoholism: New perspectives-findings from the COGA study (symposium summary). *Alcoholism: Clinical and Experimental Research* Suppl 20(8):168A-171A.
6. Porjesz, B., Begleiter, H., Litke, A., Bauer, L.O., Kuperman, S., O'Connor, S.J., and Rohrbaugh, J. (1996). Visual P3 as a potential phenotypic marker for alcoholism: Evidence from the COGA national project. In: Ogura, C., Koga, Y., Shimokochi, M. (eds.), *Recent Advances in Event-Related Brain Potential Research*. Elsevier Science, The Netherlands, 539-549.
7. Quaid, K., Dinwiddie, S., Conneally, P., and Nurnberger, J., Jr. (1996). Issues in genetic testing for susceptibility to alcoholism: Lessons from Alzheimer's disease and Huntington's disease. *Alcoholism* 20(8):1430-1437.
8. Reich, T.A., Begleiter, H., Edenberg, H.J., and Cloninger, C.R. (1996). A genomic survey of alcohol dependence and related phenotypes: Results from the Collaborative Study on the Genetics of Alcoholism (COGA). *Alcoholism: Clinical and Experimental Research* 20(8)Supplement:133A-137A.
9. Samar, V.J., Begleiter, H., Chapa, J.O., Raghuveer, M.R., Orlando, M., and Chorlian, D. (1996). Matched Meyer neural wavelets for clinical and experimental analysis of auditory and visual evoked potentials. In: Ramponi, G., Sicuranza, G.L., Carrato, S., and Marsi, S. (eds.), *Signal Processing VIII, theories and applications; Proceedings of EUSIPCO-96, Vol. 1*. LINT Edition, Trieste, 387-390.
10. Schuckit, M., Tipp, J., Anthenelli, R., Bucholz, K., Hesselbrock, V., and Nurnberger, J., Jr. (1996). Anorexia nervosa and Bulimia nervosa in alcohol-dependent men and women and their relatives. *American Journal of Psychiatry* 153(1):74-82.
11. Schuckit, M., Tipp, J., Smith, T., Wiesbeck, G., and Kalmijn, J. (1996). The relationship between self-rating of the effects (SRE) of alcohol and alcohol challenge results in 98 young men. *Journal of Studies on Alcohol and Drugs* 58:397-404.
12. Schuckit, M., Tsuang, J., Anthenelli, R., Tipp, J., and Nurnberger, J., Jr. (1996). Alcohol challenges in young men from alcoholic pedigrees and control families: A report from the COGA Project. *Journal of Studies on Alcohol and Drugs* 57:368-377.

13. Wiesbeck, G., Schuckit, M., Kalmijn, J., Tipp, J., Bucholz, K., and Smith, T. (1996). An evaluation of the history of marijuana withdrawal syndrome in a large population. *Addiction* 91(10):1469-1478.

Publications in 1995

1. Alexander, J.E. and Polich, J. (1995). P300 differences between sinistrals and dextrals. *Cognitive Brain Research* 2:277-280. PMID: 8580741.
2. Alexander, J.E., Porjesz, B., Bauer, L.O., Kuperman, S., Morzorati, S., O'Connor, S.J., Rohrbaugh, J., Begleiter, H., and Polich, J. (1995). P300 hemispheric amplitude asymmetries from a visual oddball task. *Psychophysiology* 32:467-475.
3. Begleiter, H. (1995). The Collaborative Study on the Genetics of Alcoholism: Overview. *Alcohol Health & Research World* 19:228-236.
4. Begleiter, H., Reich, T., Hesselbrock, V.M., Porjesz, B., Li, T.K., Schuckit, M.A., Edenberg, H.J., and Rice, J.P. (1995). The Collaborative Study on the Genetics of Alcoholism. *Alcohol Health & Research World* 19:228-236.
5. Bucholz, K., Hesselbrock, V., Shayka, J., Nurnberger, J., Jr., Schuckit, M., Schmidt, I., and Reich, T. (1995). Reliability of individual diagnostic criterion items for psychoactive substance dependence and the impact on diagnosis. *Journal of Studies on Alcohol and Drugs* 56:500-505.
6. Edenberg, H., Foroud, T., Goate, A., and Rice, J. (1995). Microsatellite allele frequencies and heterozygosities in a large set of Caucasian, non-Hispanics in the United States. *The American Journal of Human Genetics Supplement* 57:323A.
7. Koller, D.L., Foroud, T., Conneally, P.M., Reed, T., Edenberg, H.J., and Li, T.-K. (1995). Linkage analysis of the MNS and esterase d chromosomal regions with alcohol dependence. *The American Journal of Human Genetics Supplement* 57:324A.
8. Kuperman, S., Porjesz, B., Arndt, S., Bauer, L., Begleiter, H., Cizadlo, T., O'Connor, S., and Rohrbaugh, J. (1995). Multi-center N400 ERP consistency using a primed and unprimed word paradigm. *Electroencephalography and Clinical Neurophysiology* 94:462-470.
9. Porjesz, B. and Begleiter, H. (1995). Overview: Neurophysiological component of the COGA National Project. *Alcohol Health & Research World* 19(3):228-236
10. Porjesz, B. and Begleiter, H. (1995). The Collaborative Study on the Genetics of Alcoholism: Neurophysiological component. *Alcohol Health & Research World* 19:228-236.
11. Rice, J., Neuman, R., Hoshaw, S., Daw, E.W., and Gu, C. (1995). TDT with covariates and genomic screens with MOD scores: Their behavior on simulated data. *Genetic Epidemiology* 12:659-664.
12. Rice, J.P., Reich, T., Bucholz, K.K., Neuman, R.J., Fishman, R., Rochberg, N., Hesselbrock, V.M., Nurnberger, J.I., Jr., Schuckit, M.A., and Begleiter, H. (1995). Comparison of direct interview and family history diagnoses of alcohol dependence. *Alcoholism: Clinical and Experimental Research* 19:1018-1023.
13. Schuckit, M., Anthenelli, R., Bucholz, K., Hesselbrock, V., and Tipp, J. (1995). The time course of development of alcohol-related problems in men and women. *Journal of Studies on Alcohol and Drugs* 56:218-225.
14. Schuckit, M., Hesselbrock, V., Tipp, J., Nurnberger, J., Jr., Anthenelli, R., and Crowe, R. (1995). Prevalence of major anxiety disorder in relatives of alcohol dependent men and women. *Journal of Studies on Alcohol and Drugs* 56:309-317.

15. Schuckit, M., Tipp, J., Reich, T., Hesselbrock, V., and Bucholz, K. (1995). The histories of withdrawal convulsions and delirium tremors in 1,648 alcohol dependent subjects. *Addiction* 90:1335-1347.
16. Schuckit, M., Tipp, J., Smith, T., Shapiro, E., Hesselbrock, V., Bucholz, K., Reich, T., and Nurnberger, J., Jr. (1995). An evaluation of type A and B alcoholics. *Addiction* 90:1189-1203.

Publications in 1994

1. Alexander, J.E., Polich, J., Bloom, F.E., Bauer, L.O., Kuperman, S., Rohrbaugh, J., Morzorati, S., O'Connor, S.J., Porjesz, B., and Begleiter, H. (1994). P300 from an auditory oddball task: inter-laboratory consistency. *International Journal of Psychophysiology* 17:35-46.
2. Bucholz, K., Cadoret, R., Cloninger, C.R., Dinwiddie, S.H., Hesselbrock, V., Nurnberger, J., Jr., Reich, T., Schmidt, I., and Schuckit, M.A. (1994). New semi-structured psychiatric interview for use in genetic linkage studies: A report on the reliability of the SSAGA. *Journal of Studies on Alcohol and Drugs* 55:149-158.
3. Cohen, H.L., Wang, W., Porjesz, B., Bauer, L., Kuperman, S., O'Connor, S.J., Rohrbaugh, J., and Begleiter, H. (1994). Visual P300: an interlaboratory consistency study. *Alcohol* 11:583-587.
4. Schuckit, M. and Hesselbrock, V. (1994). Alcohol dependence and anxiety disorders: What is the relationship. *The American Journal of Psychiatry* 151:1723-1734.
5. Schuckit, M., Hesselbrock, V., Tipp, J., Anthenelli, R., Bucholz, K., and Radziminski, S. (1994). A comparison of DSM-III-R, and ICD-10 substance use disorders diagnoses in 1922 men and women subjects in the COGA study. *Addiction* 89:1629-1638.
6. Schuckit, M., Tipp, J., and Kelner, E. (1994). Are daughters of alcoholics more likely to marry alcoholics? *The American Journal of Drug and Alcohol Abuse* 20(2):237-245.

Publications in 1992

1. Twitchell, G.R., Hertzog, C.A., Klein, J.L., and Schuckit, M.A. (1992). The anatomy of a follow-up. *British Journal of Alcohol* 87:1327-1333. PMID: 1392554.

Publications in 1990

1. Rice, J. (1990). The use of computer simulation in genetic linkage studies. *Alcohol Health & Research World* 14(3):253-257.