CURRICULUM VITAE
Valerie Suzanne Knopik, Ph.D.
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Bradley Hasbro Children's Research Center
Coro West
1 Hoppin St, Suite 204
Providence, RI 02903
Phone: 401.793.8278
E-mail (primary): Valerie_Knopik@Brown.edu
Email (secondary): vknopik@lifespan.org
Fax: 401.444.8742

EDUCATION

Undergraduate	1990-1994	B.A., Psychology B.A., Sociology Wesleyan College Macon, Georgia 1990-1994, Dean's Scholarship 1994, B.A. *summa cum laude*
Graduate	1995-2000	M.A., Psychology (Behavioral Genetics) Ph.D., Psychology (Behavioral Genetics) University of Colorado Institute for Behavioral Genetics Boulder, Colorado 1997-1999, University Fellowship, University of Colorado Graduate School

POSTGRADUATE TRAINING

Fellowship	2000-2002	Postdoctoral Fellow, Psychiatry/Genetic Epidemiology Washington University School of Medicine St. Louis, Missouri Mentor: Andrew C. Heath, D.Phil.

POSTGRADUATE HONORS AND AWARDS

2002	Research Society for Alcoholism Junior Investigator Award
2002	Research Society for Alcoholism Enoch Gordis Research Recognition Award finalist
2002-2007	National Institutes of Health Loan Repayment Program Awardee
2003	Research Society for Alcoholism Junior Investigator Award
2003	Research Society for Alcoholism Enoch Gordis Research Recognition Award finalist
2003	ADHD Molecular Genetics Network Travel Award
2005	Nominated Member-at-Large, Behavior Genetics Association

2006	Research Excellence Award, Center for Alcohol and Addiction Studies, Brown University
2007	NIDA Genetics Workgroup Sponsorship Award, "Prenatal drug exposure: Effects on neuropsychological outcomes" (BGA 2007)
2007	Fuller and Scott Early Career Award, Behavior Genetics Association
2009	Young Alumna Award for Outstanding Achievement Early in Career, Wesleyan College
2010	Lifespan Executive Mentorship Program, Lifespan, RI Hospital, Providence, RI
2011	Outstanding Research Mentor Award in Psychology, Dept of Psychiatry and Human Behavior, Brown University

ACADEMIC APPOINTMENTS

1995-2000	Research Asst., Colorado Learning Disabilities Research Center, Institute for Behavioral Genetics, University of Colorado
1997	Teaching Assistant, Behavioral Genetics, Dept of Psychology University of Colorado
1999	Teaching Assistant, Quantitative Genetics, Dept of Psychology University of Colorado
2000-2002	Postdoctoral Fellow, Dept of Psychiatry Washington University School of Medicine, St Louis, MO
2003-2004	Research Instructor, Dept of Psychiatry Washington University School of Medicine, St. Louis, MO
2004-2010	Assistant Professor (Research), Dept of Community Health, BSS Section Brown University, Providence, RI
2009-2010	Assistant Professor (Research), Dept of Psychiatry and Human Behavior Brown University, Providence, RI
2010-pres	Associate Professor, Dept of Psychiatry and Human Behavior, and Dept of Community Health Brown University, Providence, RI
2010-pres	Adjunct Associate Professor, Dept of Psychiatry, Washington University School of Medicine, St Louis, MO
2009-pres	Director, Division of Behavioral Genetics, Department of Psychiatry Rhode Island Hospital, Providence, RI

OTHER APPOINTMENTS (includes peer review, grant review, and editorial responsibilities)

1992-1993	Intern, Psychoeducational Center, Macon, GA
1993-1994	Research Intern, Neuropsychiatry, Mercer Medical School, Mercer University, Macon, GA
1996-1999	Data manager, Colorado Learning Disabilities Research Center, Institute for Behavioral Genetics, University of Colorado
2000-pres	Invited ad hoc reviewer for the following journals: *Addiction* *American Journal of Medical Genetics-Neuropsychiatric*

Genetics
American Journal of Psychiatry
Archives of General Psychiatry
Archives of Pediatrics and Adolescent Medicine
Behavior Genetics
Biological Psychiatry
Biological Psychology
BioMed Central Psychiatry
International Journal of Epidemiology
Journal of the American Academy of Child and Adolescent Psychiatry
Journal of Child and Adolescent Mental Health
Journal of Child Psychology and Psychiatry
Journal of Consulting and Clinical Psychology
Journal of Pediatric Psychology
Journal of Neurogenetics
Journal of Studies on Alcohol
Learning and Individual Differences
Personality and Individual Differences
Preventative Medicine
Psychiatry Research
Psychological Bulletin
Psychological Medicine
Psychological Reports
Scientific Studies of Reading
Twin Research and Human Genetics

2005 External Promotion Reviewer
Virginia Commonwealth University
Richmond, VA

2005 Reviewer for abstracts
Society for Research on Nicotine and Tobacco
Annual meeting 2006

2006 Reviewer for abstracts
Society for Research on Nicotine and Tobacco
Annual meeting 2007

2009 External Promotion Reviewer
Virginia Commonwealth University
Richmond, VA

2009-pres Associate Editor, *Behavior Genetics*

2010-pres Editorial Board, *Frontiers in Child and Neurodevelopmental Psychiatry*

2010-pres Specialty Field Chief Editor, *Frontiers in Behavioral and Psychiatric Genetics*

<u>Scientific Grant Review</u>:

2005 Invited reviewer: Scientific Grant Review (2005)
The Wellcome Trust, London UK

2005 Invited reviewer: Scientific Grant Review (2005)
NICHD, Child Behavior and Development Branch
ZHD1 DSR-H 27 S, RFA (HD-04-027) "Learning Disabilities: Multidisciplinary Research Centers."

2006	Invited reviewer: Scientific Grant Review (2006) Netherlands Organization for Health Research and Development
2007	Invited reviewer: Scientific Grant Review (Feb 2007) NIH, Child Psychopathology & Developmental Disabilities (CPDD) IRG
2007	Invited reviewer: Scientific Grant Review (May 2007) NIH, Special Emphasis Panel, Linking Environments, Behaviors, and HIV/AIDS
2008	Invited reviewer: Scientific Grant Review (2008) Swiss National Science Foundation
2008	Invited reviewer: Scientific Grant Review (June 2009) John Templeton Foundation
2009	Invited reviewer: Scientific Grant Review (June 2009) NIH, Biobehavioral and Behavioral Processes (BBBP-C) IRG
2009	Invited reviewer: Scientific Grant Review (Oct 2009) NIH, Child Psychopathology & Developmental Disabilities (CPDD) IRG
2010	Invited reviewer: Scientific Grant Review (June 2010) NIH, Special Emphasis Panel, ZRG1 PSE-E 50, Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data
2010	Invited reviewer: Scientific Grant Review, NIH, Special Emphasis Panel, Deep Sequencing and Analysis of Pharmacogenomic Regions: Discovery and Analysis of Genetic Variants Contributing to Drug Abuse and Addiction
2010	Invited reviewer: Scientific Grant Review (Oct 2010) NIH, Behavioral Genetics and Epidemiology (BGES) IRG
2011	Invited reviewer: Scientific Grant Review (March 2011) CDC, Special Emphasis Panel evaluating FOA #: DP11-001: Pregnancy Risk Assessment Monitoring System (PRAMS)
2011-pres	Member, Behavioral Genetics and Epidemiology Study Section (BGES), Center for Scientific Review, NIH

UNIVERSITY COMMITTEES

2004-2008	Research Excellence Awards Committee (Ad Hoc member) Center for Alcohol and Addiction Studies Brown University, Providence, RI
2006-2009	Website Development Committee Department of Community Health Behavioral and Social Sciences Section Brown University, Providence, RI
2007-2009	Research Synergies and Partnerships Committee Program in Public Health Brown University, Providence, RI

2008-2009	Research Excellence Awards Committee Center for Alcohol and Addiction Studies Brown University, Providence, RI
2004-pres	Postdoctoral Training Committee NIDA/NIAAA Postdoctoral Fellowship Program Center for Alcohol and Addiction Studies Brown University, Providence, RI
2009-pres	Postdoctoral Training Committee NIMH Child Mental Health Postdoctoral Fellowship Program Department of Psychiatry and Human Behavior Brown University, Providence, RI

COMMUNITY SERVICE

2005-2006	Member, Executive Board of Directors Child Care Center, Inc Butler Hospital Providence, RI
2006-2007	Co-President, Executive Board of Directors Eastside Early Learning Center (formerly Child Care Center, Inc) Butler Hospital Providence, RI
2007-2008	President, Executive Board of Directors Eastside Early Learning Center (formerly Child Care Center, Inc) Butler Hospital Providence, RI

MEMBERSHIP IN SOCITIES

1995-pres	Member, Behavior Genetics Association
1997-pres	Member, Association for Psychological Science (previously American Psychological Society)
2000-pres	Member, International Society for Twin Studies
2001-pres	Member, Research Society on Alcoholism
2005-pres	Member, Society for Research on Nicotine and Tobacco
2008-pres	Elected member, American Psychopathological Association
2008-pres	Member, Society for Research in Child Development
2010-pres	Member, NY Academy of Sciences

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS (in chronological order):

1. **Knopik, V.S.**, DeFries, J.C., and Alarcón, M. (1996). Gender differences in cognitive abilities of opposite-sex and same-sex twin pairs with reading disability. Annals of Dyslexia, **46**, 241-257.

2. **Knopik, V.S.**, Alarcón, M., and DeFries, J.C. (1997). Comorbidity of mathematics and reading deficits: Evidence for a genetic etiology. Behavior Genetics, **27**(5), 447-453. PMID: 9336081
3. **Knopik, V.S.**, Alarcón, M., and DeFries, J.C., (1998). Common and specific gender influences on individual differences in reading performance: A twin study. Personality and Individual Differences, **25**, 269-277.
4. **Knopik, V.S.** and DeFries, J.C. (1998). A twin study of gender-influenced individual differences in general cognitive ability. Intelligence, **26**(2), 81-89.
5. **Knopik, V.S.** and DeFries, J.C. (1999). Etiology of covariation between reading and mathematics performance: A twin study. Twin Research, **2**, 226-234. PMID: 10555134
6. Alarcón, M., **Knopik, V.S.**, and DeFries, J.C. (2000). Covariation of mathematics achievement and general cognitive ability. Journal of School Psychology, **38**(1), 63-77.
7. Davis, C.J., **Knopik, V.S.**, Wadsworth, S.J., and DeFries, J.C. (2000). Self-reported reading problems in parents of twins with and without reading difficulties. Twin Research, **3**(2), 88-91. PMID: 10918621
8. Wadsworth, S.J., **Knopik, V.S.**, and DeFries, J.C. (2000). Reading disability in boys and girls: No evidence for a differential genetic etiology. Reading and Writing: An Interdisciplinary Journal, **13**, 133-145.
9. Davis, C.J., **Knopik, V.S.**, Olson, R.K., Wadsworth, S.J., and DeFries, J.C. (2001). Genetic and environmental influences on rapid naming and reading ability: A twin study. Annals of Dyslexia, **51**, 231-247.
10. Davis, C.J., Gayán, J., **Knopik, V.S.**, Smith, S.D., Cardon, L.R., Pennington, B.F., Olson, R.K., and DeFries, J.C. (2001). Etiology of reading difficulties and rapid naming: The Colorado Twin Study. Behavior Genetics, **31**(6), 625-635. PMID: 11838539
11. Willcutt, E.G., Pennington, B.F., Smith, S.D., Cardon, L.R., Gayán, J., **Knopik, V.S.**, Olson, R.K., and DeFries, J.C. (2002). Quantitative trait locus for reading disability on chromosome 6p is pleiotropic for Attention-Deficit/Hyperactivity Disorder. Neuropsychiatric Genetics, **114**, 260-268. PMID: 11920845
12. **Knopik, V.S.**, Smith, S.D., Cardon, L.R., Pennington, B.F., Gayán, J., Olson, R.K., and DeFries, J.C. (2002). Differential genetic etiology of reading component processes as a function of IQ. Behavioral Genetics, **32**(3), 181-198. PMID: 12141780
13. Heath, A.C., **Knopik, V.S.**, Madden, P.A.F., Neuman, R.J., Lynskey, M.J., Slutske, W.S., Jacob, T., and Martin, N.G. (2003). Accuracy of mothers' retrospective reports of smoking during pregnancy: Comparison with twin sister informant ratings. Twin Research, **6**(4), 297-301. PMID: 14511436
14. Nelson, E.C., Heath A.C., Bucholz, K.K., Madden, P.A.F., Fu, Q., **Knopik, V.S.**, Lynskey, M.T., Whitfield, J.B., Statham, D.J., and Martin, N.G. (2004). The genetic epidemiology of alcoholic blackouts. Archives of General Psychiatry, **61**(3), 257-263. PMID: 14993113
15. **Knopik, V.S.**, Heath, A.C., Madden, P.A.F., Bucholz, K.K., Slutske, W.S., Nelson, E.C., Statham, D., Whitfield, J.B., and Martin, N.G. (2004). Genetic effects on alcohol dependence risk: Re-evaluating the importance of psychiatric and other heritable risk factors. Psychological Medicine, **34**, 1519-1530. PMID: 15724882
16. Romeis, J.C., Grant, J.D., **Knopik, V.S.**, Pederson, N.L., and Heath, A.C. (2004). The genetics of middle-age spread in middle-class males. Twin Research and Human Genetics, **7**(6), 596-602. PMID: 15607010
17. **Knopik, V.S.**, Sparrow, E.P., Madden, P.A.F., Bucholz, K.K., Hudziak, J.J., Reich W., Slutske, W.S., Grant, J.D., McLaughlin, T.L., Todorov, A., Todd, R.D., and Heath, A.C. (2005). Contributions of parental alcoholism, prenatal substance exposure, and genetic transmission to child ADHD risk: A female twin study. Psychological Medicine, **35**(5), 625-635. PMID: 15918339

18. Lynskey, M.T., Nelson, E.C., Neuman, R., Bucholz, K.K., Madden, P.A.F., **Knopik, V.S.**, Slutske, W., Whitfield, J., Martin, N.G., Heath, A.C. (2005). Limitations of DSM-IV operationalizations of alcohol abuse and dependence in a sample of Australian twins. Twin Research and Human Genetics, **8**(6), 574-584. PMID: 16354499
19. **Knopik, V.S.**, Heath, A.C., Jacob, T., Slutske, W.S., Bucholz, K.K., Madden, P.A.F., Waldron, M., Martin, N.G. (2006). Maternal alcohol use disorder and offspring ADHD: Disentangling genetic and environmental effects using a children-of-twins design. Psychological Medicine, **36**(10), 1461-1472. PMID: 16734942
20. Ray, L. Rhee, S.H., Stallings, M.C., **Knopik, V.S.**, Hutchison, K.E. (2007). Examining the heritability of tension reduction after cigarette smoking: results from an experimental twin study. Twin Research and Human Genetics, **10**, 546-553. PMID: 17708695
21. Agrawal, A., **Knopik, V.S.**, Pergadia, M.L., Waldron, M., Bucholz, K.K., Martin, N.G., Madden, P.A.F., Heath, A.C. (2008). Evaluating measured correlates of cigarette smoking during pregnancy and its genetic and environmental overlap with smoking progression. Nicotine and Tobacco Research, **10**(4), 567-78. PMID: 18418779
22. **Knopik, V.S.** (2009). Maternal smoking during pregnancy and child outcomes: Real or spurious effect? Developmental Neuropsychology, **34**, 1-36. PMID: 19142764
23. **Knopik, V.S.**, Jacob, T., Haber, R., Swenson, L.P., Howell, D. (2009). Paternal alcoholism and offspring ADHD problems: A Children-of-Twins Design. Twin Research and Human Genetics, **12**(1), 53-62. PMID: 19210180
24. **Knopik, V.S.**, Heath, A.C., Bucholz, K.K., Madden, P.A.F., Waldron, M. (2009). Genetic and environmental influences on externalizing behavior and alcohol problems in adolescence: A female twin study. Pharmacology, Biochemistry, and Behavior, 93(3):313-21. PMID: 19341765
25. Esposito-Smythers, C., Spirito, A., Rizzo, C., McGeary, J.E., **Knopik, V.S**. (2009). Associations of the DRD2 TaqIA polymorphism with impulsivity and substance use: Preliminary results from a clinical sample of adolescents. Pharmacology, Biochemistry, and Behavior, 93(3):313-21. PMID: 19344737
26. Miranda Jr., R., Ray, L., Justus, A., Meyerson, L.A., **Knopik, V.S.**, McGeary, J., Monti, P.M. (2010). Initial Evidence of an Association between OPRM1 and Adolescent Alcohol Misuse. Alcoholism: Clinical and Experimental Research, **34**(1):112-22. PMID: 19860800
27. **Knopik, V.S.** (2010). Smoking during pregnancy: Genes and environment weigh in. International Journal of Epidemiology. PMID: 20621956
28. MacKillop, J., Obasi, E., Amlung, M., McGeary, J.E., **Knopik, V.S.** (2010). The role of genetics in nicotine dependence: Mapping the pathways from genome to syndrome. Current Cardiovascular Risk Reports DOI 10.1007/s12170-010-0132-6
29. Hayes, J., Wallace, M., **Knopik, V.S.,** Herbstman, D., Bartoshuk, L., Duffy, V. (2011). Allelic variation in TAS2R bitter receptor genes associates with variation in sensations from and ingestive behaviors towards common bitter beverages in adults. Chemical Senses, 36(3):311-9. PMCID: PMC3038275
30. **Knopik, V.S.** (2011). Grand challenge in behavioral and psychiatric genetics: quantitative challenges to keeping up with molecular advances. Frontiers in Genetics **2**(9). DOI 10.3389/fgene.2011.00009.
31. Burkhouse, K.L., Gibb, B.E., Coles, M.E., **Knopik, V.S.,** McGeary, J.E. (2011). Serotonin transporter genotype moderates the link between children's report of overactive parenting and their behavioral inhibition. Journal of Abnormal Child Psychology, 39(6): 783-390. PMID: 21633928.
32. Gibb, B.E., Johnson, A.L., Benas, J.S., Uhrlass, D.J., **Knopik, V.S**., McGeary, J.E.(in press). Children's 5HTTLPR genotype moderates the link between maternal criticism and attentional biases specifically for facial displays of anger. Emotion and Cognition.

33. Mulligan, R., **Knopik, V.S.**, Sweet, L.H., Fischer, M., Seidenberg, M., Rao, S.M. (in press). Neural Correlates of Inhibitory Control in Adult ADHD: Evidence from the Milwaukee Longitudinal Sample. Psychiatry Research: Neuroimaging.
34. Clasen, P., Wells, T., **Knopik, V.S.**, McGeary, J.E., Beevers, C. (in press). 5-HTTLPR and BDNF Val66Met polymorphisms moderate effects of stress on rumination. Genes, Brain and Behavior.
35. McGeary, J.E., Gurel, V., **Knopik, V.S.**, Spaulding, J., McMichael, J. (in press). Effects of Nerve Growth Factor (NGF), Fluoxetine and Amitriptyline on Gene Expression Profiles in Rat Brain. Neuropeptides.

ORIGINAL INVITED PUBLICATIONS

1. **Knopik, V.S.** (2006). Smoking during pregnancy: Genes, Environment, and Study Design. In P.M. Monti (Ed.), Digest of Addiction Theory and Application.
2. **Knopik, V.S.,** Bidwell, L.C. (2011). Understanding the landscape of developmental and psychiatric genetics: The example of ADHD. In G. Fritz (Ed.), Child and Adolescent Behavior Letter.

BOOKS AND BOOK CHAPTERS

1. DeFries, J.C., **Knopik, V.S.**, and Wadsworth, S.J. (1999). Colorado Twin Study of Reading Disability. In D.D. Duane (Ed.), Reading and attention disorder: Neurobiological correlates (pp. 17-41). Baltimore, Maryland: York Press.
2. Wadsworth, S.J., Davis, C.J., **Knopik, V.S.**, Willcutt, E.G., and DeFries, J.C. (2002). Genetics of reading disabilities. In I. Arcolini and G. Zardini (Eds.) I disturbi di apprendimento della lettura e della scittura (p.23-35). Milan, Italy: FrancoAngeli.

MANUSCRIPTS SUBMITTED FOR REVIEW OR IN REVISION

1. Josephs, B. Telch, M.J., Hixon, J.G., Evans, J.J., Lee, H., **Knopik, V.S.**, McGeary, J.E., Hariri, A.R., Beevers, C.G. (revise and resubmit). Genetic and hormonal sensitivity to defeat: Three studies testing a serotonin transporter genotype x endogenous testosterone interaction. American Journal of Psychiatry.
2. McGeary, J.E., **Knopik, V.S.**, Hayes, J., Kalman, D. (revise and resubmit). Predictors of relapse in a bupropion trial for smoking cessation in alcoholics. Physiology and Behavior.
3. Nugent, N.R., Lally, M.A., Brown, L., **Knopik, V.S.**, Frater, S., McGeary, J. (under review). Risk Taking in Binge Drinkers Living with HIV: The Role of Distress Intolerance. Aids and Behavior.
4. Waldron, M., Madden, P.A.F., Nelson, E., **Knopik, V.S.**, Glowinski, A., Grant, J.D., Lynskey, M.L., Jacob, T., Sher, K., Bucholz, K.K., Heath, A.C., (submitted for review). The interpretability of family history reports of alcoholism in general community samples: Findings in a midwestern U.S. twin birth cohort. Alcoholism: Clinical and Experimental Research.

MANUSCRIPTS IN PREPARATION

1. **Knopik, V.S.** Francazio, S., McGeary, J.E., Flessner, C., Heath, A.C. (in preparation). Smoking during pregnancy, maternal xenobiotic metabolism genes, and child externalizing behavior: A case-crossover design.
2. **Knopik, V.S.**, Flessner, C., Nugent, N., Swenson, L. Goldman, J., Madden, P.A.F., Bucholz, K.K., Heath, A.C. (in preparation). Genetic influences in Conduct Disorder and Oppositional Defiant Disorder: A Two Stage Model investigation.
3. Nugent, N.R., Lally, M.A., Brown, L., **Knopik, V.S.**, McGeary, J. (in preparation). OPRM1 and Diagnosis-Related Posttraumatic Stress Disorder in Binge-Drinking Patients Living with HIV.
4. Mcgeary, J.E., **Knopik, V.S.**, Howland, J., Rohsenow, D. (in preparation). Alcohol metabolizing gene haplotypes associations with hangover.
5. **Knopik, V.S.**, Waldron, M., Heath, A.C., Jacob, T., Slutske, W.S., Bucholz, K.K., Madden, P.A.F., Martin, N.G. (in preparation). Maternal alcoholism and offspring CD problems: A genetic or environmental association?
6. **Knopik, V.S.**, Heath, A.C., Madden, P.A.F., and Bucholz, K.K. (in preparation). Parental alcohol dependence and offspring academic achievement: Investigating Genotype x Environment interaction effects.
7. McGeary, J.E., Searles, **Knopik, V.S.**, Esposito-Smythers, C., Spirito, A. (in preparation). Variation in 5-HTTLPR related to suicide phenotypes in adolescent psychiatric inpatients
8. McGeary, J.E., Cohen, A., **Knopik, V.S.**, Esposito-Smythers, C., Spirito, A. (in preparation). Age of first suicide attempt associated associated with TPH2 variation in psychiatric inpatients

ABSTRACTS/PRESENTATIONS/SYMPOSIA

1. Lauterbach, E.C., Wilson, A.N., Price, S.T., **Knopik, V.S.**, and Jackson, J.G. (1994). Post-stroke generalized anxiety: Parkinsonism, dystonia, and the globus pallidus. Biological Psychiatry, **35**, 681. (abstract).
2. Lauterbach, E.C., Price, S.T., Wilson, A.N., **Knopik, V.S.**, Jackson, J.G., and Kavali, C.M. (1994). Post-stroke major depression: Parkinsonism and thalamocortical systems relations. Biological Psychiatry, **35**, 681. (abstract).
3. Lauterbach, E.C., Wilson, A.N., Price, S.T., **Knopik, V.S.**, and Jackson, J.G. (1994). Post-stroke bipolar disorders: Age and the thalamus. Biological Psychiatry, **35**, 681. (abstract).
4. Lauterbach, E.C., Wilson, A.N., Price, S.T., **Knopik, V.S.**, and Jackson, J.G. (1994). Post-stroke anxiety: Relations to the globus pallidus, dystonia, and parkinsonism. Journal of Neuropsychiatry and Clinical Neuroscience, **6**(3), 316-317. (abstract).
5. **Knopik, V.S.**, DeFries, J.C., and Alarcón, M. (1996). Comorbidity of mathematics and reading deficits in a twin study of mathematics disability. Behavior Genetics, **26**(6), 589. (abstract). *Poster presentation Behavioral Genetics Association meeting, Pittsburgh, PA.*
6. **Knopik, V.S.**, Olson, R.K., Alarcón, M., Cherny, S.S., and DeFries, J.C. (1997). Etiology of covariation between measures of speeded and perceptual processes and readingperformance: A twin study. Behavior Genetics, **27**(6), 596. (abstract). *Poster presentation Behavioral Genetics Association meeting, Toronto, Ontario.*
7. **Knopik, V.S.** and DeFries, J.C. (1998). Common genetic influences on general cognitive ability in males and females: A twin study. Behavior Genetics, **26**(6), 474. (abstract). *Oral presentation Behavioral Genetics Association meeting, Stockholm, Sweden.*
8. **Knopik, V.S.** and DeFries, J.C. (1999). Reading and mathematics performance in twin pairs with and without reading difficulties. Behavior Genetics, **29**(5), 360-361. (abstract).

Oral presentation Behavioral Genetics Association meeting, Vancouver, British Columbia.

9. Davis, C.J., **Knopik, V.S.**, Wadsworth, S.J., and DeFries, J.C. (1999). Etiology of the relationship between reading performance and rapid automatic naming: A twin study. Behavior Genetics, **29**(5), 353. (abstract). *Poster presentation Behavioral Genetics Association meeting. Vancouver, British Columbia.*
10. Davis, C.J., **Knopik, V.S.**, Wadsworth, S.J., Olson, R.K., and DeFries, J.C. (2000). Differential genetic etiology of reading disability as a function of rapid automatized naming and phonological awareness. Behavior Genetics, **30**(5), 401-402. (abstract). *Poster presentation Behavioral Genetics Association meeting, Burlington, VT.*
11. **Knopik, V.S.**, Heath, A.C., Madden, P.A.F., and Bucholz, K.K. (2001) Parental alcohol dependence and offspring academic impairment. Alcoholism: Clinical and Experimental Research, suppl. **25**(5), 44A. (abstract). *Poster presentation Research Society for Alcoholism meeting, Montreal, Quebec.*
12. **Knopik, V.S.**, Heath, A.C., Madden, P.A.F., Bucholz, K.K., Nelson, E.C., and Martin N.G. (2001). Genetic epidemiology of alcohol dependence in a heavy drinking national twin cohort. Twin Research, **4**(3), 190. (abstract). *Poster presentation International Society for Twin Studies meeting, London, UK.*
13. **Knopik, V.S.**, Heath, A.C., Madden, P.A.F., Bucholz, K.K., Nelson, E.C., and Martin, N.G. (2001). Genetics of alcohol dependence: Controlling for other heritable risk factors. Behavior Genetics, **31**(5), 458. (abstract). *Oral presentation Behavioral Genetics Association meeting, Cambridge, UK.*
14. Davis, C.J., Gayán, J., **Knopik, V.S.**, Smith, S.D., Cardon, L.R., Pennington, B.F., Olson, R.K. and DeFries, J.C. (2001). Reading difficulties and rapid naming: Bivariate twin and genetic linkage analyses. Behavior Genetics, **31**(5), 451. (abstract). *Poster presentation Behavioral Genetics Association meeting, Cambridge, UK.*
15. **Knopik, V.S.**, Bucholz, K.K., Madden, P.A.F., and Heath, A.C. (2002). Maternal smoking during pregnancy and ADHD in daughters: The confounding effects of parental alcoholism and maternal drinking during pregnancy. Alcoholism: Clinical and Experimental Research, suppl. **26**(5), 177A. (abstract). *Poster presentation Research Society for Alcoholism meeting, San Francisco, CA.*
16. **Knopik, V.S.**, Heath, A.C., Madden, P.A.F., Bucholz, K.K., Slutske, W.S., Nelson, E.C., and Martin, N.G. (2002). Genetic effects on alcohol dependence: Re-evaluating the importance of psychiatric and other heritable risk factors. Alcoholism: Clinical and Experimental Research, suppl. **26**(5), 43A. (abstract). *Poster presentation Research Society for Alcoholism meeting, San Francisco, CA.*Finalist Enoch Gordis Research Recognition Award.*
17. **Knopik, V.S.**, Madden, P.A.F., Bucholz, K.K., and Heath, A.C. (2002). Genetics of ADHD: Controlling for parental alcohol dependence and maternal smoking and drinking during pregnancy. Behavior Genetics, **32**(6), 473. (abstract). *Oral presentation Behavioral Genetics Association meeting, Keystone, CO.*
18. Nelson, E.C., Heath, A.C., Bucholz, K.K., Madden, P.A.F., Fu, Q., **Knopik, V.S.**, Lynskey, M.T., Whitfield, J.B., Statham, D.J., and Martin, N.G. (2003). The genetic epidemiology of alcohol-induced blackouts. Alcoholism: Clinical and Experimental Research, suppl. **27**(5), 80A. (abstract). *Poster presentation Research Society for Alcoholism meeting, Ft. Lauderdale, FL.*
19. Heath, A.C., Bucholz, K.K., Nelson, E.C., Madden, P.A.F., **Knopik, V.S.**, and Martin, N.G. (2003). Gene-environment interaction effects in alcoholism etiology. Alcoholism: Clinical and Experimental Research, suppl. **27**(5), 173A. (abstract). *Oral presentation Research Society for Alcoholism meeting, Ft. Lauderdale, FL.*

20. **Knopik, V.S**., Bucholz, K.K., Madden, P.A.F., and Heath, A.C. (2003). Contributions of parental alcoholism, maternal drinking and smoking during pregnancy, genetic transmission, and genotype by environment interaction effects to child ADHD. Alcoholism: Clinical and Experimental Research, suppl. **27**(5), 121A. (abstract). *Poster presentation Research Society for Alcoholism meeting, Ft. Lauderdale, FL. .*Finalist Enoch Gordis Research Recognition Award.*
21. **Knopik, V.S.**, Todd, R.D., and Heath, A.C. (2003). Covariation among ADHD, CD, and ODD: Effects of maternal substance use during pregnancy. Behavior Genetics, **33**(6), 708. (abstract). *Oral presentation Behavioral Genetics Association meeting, Chicago, IL.*
22. **Knopik, V.S.** (2003). Using mothers with both 'clean' and 'dirty' pregnancies to investigate associations between maternal smoking during pregnancy and offspring externalizing disorders. Behavior Genetics, **33**(6), 708. (abstract). *Poster presentation Behavioral Genetics Association meeting, Chicago, IL.*
23. **Knopik, V.S.**, Madden, P.A.F., Bucholz, K.K., and Heath, A.C. (2005). Contributions of parental alcoholism, maternal drinking and smoking during pregnancy, and genetic transmission to child conduct disorder symptoms. Alcoholism: Clinical and Experimental Research, **29**(5), 39A. (abstract). *Poster presentation Research Society for Alcoholism meeting, Santa Barbara, CA.*
24. **Knopik, V.S.**, Todd, R.D., Madden, P.A.F., Bucholz, K.K., and Heath, A.C. (2005). Alcoholism and externalizing disorders: Comorbidity mediated via intrauterine exposure. Behavior Genetics, **35**(6), 809. (abstract). *Oral presentation Behavior Genetics Association meeting, Hollywood, CA.*
25. **Knopik, V.S.**, Waldron, M., Heath, A.C., Jacob, T., Slutske, W., Bucholz, K.K., Madden, P.A.F., Martin, N.G. (2006). Maternal alcoholism, smoking during pregnancy, and child externalizing behavior: Disentangling genetic and environmental effects via a children-of-twins design. Nicotine and Tobacco Research. (abstract). *Poster presentation Society for Research on Nicotine and Tobacco meeting, Orlando, FL. 2006.*
26. Jacob, T., Haber, R., Howell, D., Bucholz, K., Waterman, B., **Knopik, V.S.**, Heath, A.C. (2006). Offspring of alcoholic parents: Risk for ADHD. Alcoholism: Clinical and Experimental Research, **30**(6), 163A. (abstract). *Presentation Research Society for Alcoholism meeting, Baltimore, MD. 2006.*
27. **Knopik, V.S.**, Waldron, M., Heath, A.C., Jacob, T., Slutske, W., Bucholz, K.K., Madden, P.A.F., Martin, N.G. (2006). Maternal alcoholism, prenatal exposure, and child externalizing: A children-of-twins approach for disentangling genetic and environmental effects. Alcoholism: Clinical and Experimental Research, **30**(6), 163A. (abstract). *Presentation Research Society for Alcoholism meeting, Baltimore, MD. 2006.*
28. Volk, H.E., Fu, Q.J., Scherrer, J., **Knopik, V.S.**, Todd, R.D., Jacob, T., True, W. (2006) Adolescent Disruptive Disorders and Alcohol and Nicotine Misuse: Do Genetic Influences Matter? (abstract). *Presentation 2006 Guze Symposium, St. Louis, MO. 2006.*
29. Slutske, W.S., **Knopik, V.S.**, Jacob, T., Lynskey, M.T., Glowinski, A. (2007). MARC Project 4: Australian children of alcoholic female twins. (abstract). *Presentation 2007 Guze Symposium, St. Louis, MO 2007.*
30. **Knopik, V.S.**, Bucholz, K.K., Madden, P.A.F., Heath, A.C. (2007). Child conduct problems: Contributions of parental alcoholism, maternal drinking and smoking during pregnancy. *Presentation at Public Health Research Day, Brown University Program in Public Health, April 2007.*
31. **Knopik, V.S.**, Swenson, LP, Heath, AC, Madden, PAF, Bucholz, KK, Jacob T, Slutske W, and Martin, NG. (2007). Smoking during pregnancy: Using genetically informed samples to disentangle effects. Behavior Genetics **37**:767 (abstract). *Oral presentation Behavior Genetics Association meeting, The Netherlands. 2007. Symposium presenter*

and chair. NIDA Genetics Workshop Sponsorship award (see Postgraduate honors and awards).

32. **Knopik, V.S**., Todd, R.D., Madden, P.A.F., Bucholz, K.K., and Heath, A.C. (2008). Covariation among externalizing and alcohol problems in adolescence: Genetic and environmental effects. *Oral presentation Pharmacology, Biochemistry, and Behavior conference, Morzine, France, January 2008.*
33. **Knopik, V.**S., Heath, A.C., Bucholz, K.K., Madden, P.A.F., Waldron, M. (2009). Genetic and environmental influences on externalizing behavior and alcohol problems in adolescence: A Female Twin Study. *Presentation at 2009 Research Society for Alcoholism Meeting, San Diego, CA*
34. **Knopik, V.S.**, Swenson, L., Goldman, J., Madden, P.A.F., Bucholz, K.K., Heath, A.C. (2009) Conduct disorder and oppositional defiant disorder: an examination of overlap vs specificity. *Presentation at 2009 Behavioral Genetics Association Meeting, Minneapolis, MN*
35. Hayes, J.E., **Knopik, V.S.**, and Duffy, V.B. (2009). Functional differences in bitterness unrelated to propylthiouracil. *Oral presentation at Pangborn Sensory Science Symposium. Florence, Italy. 26 – 30 July 2009.*
36. Hunter, N., **Knopik, V.S.**, Hunt, J. (2009). Initial results: What do researchers think psychiatrists need to know about genetics? *Presentation at the American Academy of Child and Adolescent Psychiatry meeting, Hawaii, 2009.*
37. McGeary, J.E., Metrik, J., **Knopik, V.S**., Kahler, C.W., Monti, P, Rohsenow, D. (2010) Cannabinoid Receptor Gene (CNR1) Polymorphism and Marijuana's Pharmacologic Effects on Negative and Positive Affect. *Presentation at College on Problems of Drug Dependence, 2010.*
38. McGeary, J.E., **Knopik, V.S.**, Hayes, J.E., Kalman, D. (2010) Predictors of Relapse in a Bupropion Trial for Smoking Cessation in Alcoholics. *Poster presentation Society for Research on Nicotine and Tobacco meeting, 2010.*
39. **Knopik, V.S.**, Nugent, N., McGeary, J.E., Francazio, S., Heath, A.C. (2010). Smoking during pregnancy, maternal xenobiotic metabolism genes, and child externalizing behavior: A case-crossover design. *Presentation at 2010 Behavioral Genetics Association Meeting, Seoul, Korea*
40. McGeary, J.E., Cohen, A**., Knopik, V.S.**, Beevers, C.G., Schnyer, D., Gonzalez-Lima, F. (2010). TPH2 variation associated with diffusion tensor imaging measurements of the dorsal raphe nucleus. *Poster presented at the annual meeting of the Behavior Genetics Association, Seoul Korea.*
41. Nugent, N., Amstadter, A., Yang, B., **Knopik, V.S.,** Saxw, G., Smoller, J., Koenan, K. (2010). Gene-environment interactions in response to trauma: HTR1a, parent posttraumatic stress symptoms, and trajectories of posttraumatic stress symptoms in pediatric injury patients. *Paper presented at the annual meeting of the Behavior Genetics Association, Seoul Korea.*
42. Mcgeary, J. McGeary, J.E., Gurel, V., **Knopik, V.S.**, Spaulding, J., McMichael, J. (2010). Effects of Nerve Growth Factor (NGF), Fluoxetine and Amitriptyline on Gene Expression Profiles in Rat Brain. *Presentation at 2010 World Congress on Psychiatric Genetics meeting, Athens, Greece*
43. **Knopik, V.S.**, Nugent, N., McGeary, J.E., Francazio, S., Heath, A.C. (2010). Smoking during pregnancy, maternal GSTT1, and child ADHD: A case-crossover design. *Presentation at 2010 World Congress on Psychiatric Genetics meeting, Athens, Greece*
44. **Knopik, V.S.,** McGeary, J.E., Nugent, N., Francazio, S., Heath, A.C. (2011). Child ADHD: Maternal xenobiotic metabolism genes and smoking during pregnancy

Presentation submitted to 2011 Society for Research on Child Development meeting, Montreal, Quebec

45. McGeary, J.E., **Knopik, V.S.,** Rohsenow, D.J., Howland, J., Hunt, S.K. (2010) Genetic variation associates with hangover the morning after drinking to intoxication: analyses of alcohol dehydrogenase polymorphisms. Alcoholism Clinical and Experimental Research, 34, 8, S182 pg 61A. *Presentation at 2010 ISBRA, Paris, France*

INVITED PRESENTATIONS

1. Fifth Guze Symposium on Alcoholism: Alcoholism and Comorbidity
   Washington University School of Medicine, St. Louis, MO
   February 17, 2005; National symposium.
2. Twin and Family Modeling using Mx.
   University of Helsinki, Finland
   November 14-18, 2005; Instructor of week-long course.
3. Center for Primary Care and Prevention
   Brown University, Providence, RI
   Multi-Method and Translational Research Seminar Series
   January 25, 2006
4. Assessment Issues in Genetic Research
   Center for Alcohol and Addiction Studies
   Brown University, Providence RI
   Postdoctoral seminar
   January 27, 2006 and September 21, 2008
5. Co-Chair, "In Utero Exposure to Nicotine: Effects and Reduction"
   Society for Research on Nicotine and Tobacco annual meeting
   Orlando, FL
   February 16, 2006
6. Behavioral Genetics: Mini-course
   Center for Alcohol and Addiction Studies
   Brown University, Providence, RI
   Postdoctoral seminars
   April 28 and May 14, 2006
   December 7 and 14, 2007
7. Gene x Environment Interaction
   Program in Public Health
   Brown University, Providence, RI
   Undergraduate and graduate course
   April 27, 2007
8. Covariation among externalizing and alcohol problems in adolescence: Genetic and environmental effects.
   Pharmacology, Biochemistry, and Behavior conference
   Morzine, France
   January 2008
9. Mind Research Network
   Seminar Series
   Albuquerque, NM
   August 2008
10. Responsible Drinking: What is it and who is responsible?
    DIONYSUS
    Florida International University

February 2009

11. Genes + Environment = Behavior: An Examination of ADHD
    2009 Research Day
    Department of Psychiatry and Human Behavior
    Brown University
    March 26, 2009
12. Quasi-experimental studies of early risk factors for psychopathology
    Society for Research in Child Development (SRCD)
    2009 Biennial Meeting
    Denver, CO
    April 2, 2009
13. Psychiatry Research Seminar
    Department of Psychiatry
    Washington University School of Medicine
    November 11, 2010

GRANTS (Active and Pending) – consultant roles not listed

1. Principal Investigator
   Title: Prenatal Tobacco Exposure: Effects on Neuropsychological Outcomes and ADHD
   NIDA, R01 DA023134-01A2
   Start Date: 9/30/2008; End Date: 6/30/2013
   Total costs: $2,805,505

2. Co-Principal Investigator
   Title: Genetic variation and marijuana's pharmacologic and cue-elicted effects
   NIDA, R03 (Co-PI: Metrik)
   Start Date: 10/1/2009; End Date: 8/31/2011
   Total costs: $485,375

3. Co-Investigator
   Title: Intrinsic Circadian Period: Development, Delayed Phase, and Genetic Associations
   NINDS, R01 (PI: Carskadon)
   Start Date: 4/1/08; End Date: 3/31/13
   Total Costs: $3,134,809

4. Co-Investigator/ PI of RI Hospital Subcontract
   Title: Mechanisms Linking Alcohol Use and Smoking Relapse Risk
   NIDA, R01 AA016978-01A1 (PI: Kahler)
   Start Date: 4/01/08; End Date: 3/31/12
   Total Costs: $2,167,524

5. Co-Investigator/ PI of RI Hospital Subcontract
   Title: Effects of the Family Check-Up on Adolescents with Alcohol-Related Events and their Adolescent Siblings
   NIAAA, R01 AA-017659-01 (PI: Spirito)
   Start Date: 8/01/08; End Date: 7/31/13
   Total Costs: $3,166,106

6. Co-Investigator
   Title: Prospective Study of Depressed Mood: Short Sleep and Serotonergic Genes
   NIMH, R01 MH079179-01A2 (PI: Carskadon)
   Start Date: 12/19/08; End Date: 11/30/13
   Total Costs: $3,074,123

7. Co-Investigator
   Title: Bio-Behavioral Markers of Bipolar Conversion
   NIMH, R01
   (PI: Dickstein)
   Start Date: 10/1/2009; End Date: 9/30/2014
   Total costs: $1,850,000

8. Co-Investigator/PI of RI Hospital Subcontract
   Title: Alcohol Use Disorder in Young Women: Genetic Epidemiology: MOAFTS Wave 7
   NIAAA, R01 (PI: Heath)
   Start Date: 09/30/2009; End Date: 8/31/2014
   Total costs: $3,333,612

9. Co-Investigator
   Title: Marijuana Relapse: Influence of Tobacco Cessation and Varenicline
   1R01DA031005-01 (PI: Haney)
   Start Date: 09/30/2010; End Date: 6/30/2015
   Total Costs (year): $498,587

10. Co-Investigator
    Title: Impact of Receptor Polymorphisms on Sensations from Common Oral Irritants
    R03 DC010904-01 (PI: Hayes)
    Impact Score = 20
    JIT Submitted, Start Date potentially April 30, 2011.
    Total Costs: 463,250

11. Co-Principal Investigator/PI of RI Hospital Subcontract
    Title: Psychosocial and Genetic Correlates of Alcohol Trajectories in Emerging Adults
    NIAAA, RC1
    Pending (PI: Wood)

GRANTS (Completed)

1. Principal Investigator
   Title: ADHD in children of mothers who smoked during pregnancy: Does the effect interact with paternal alcoholism?
   NIAAA, P50 AA11998 (Center PI: Heath)
   Pilot project (part of P50 Center grant)
   Start Date: 1/1/2004; End Date: 12/31/2008

2. Principal Investigator
   Title: Externalizing Behavior: Genetics x Prenatal Nicotine
   NIDA, K01 DA017671
   Start Date: 7/1/2004; End Date: 6/30/2009; No cost extension until 12/2009

Total Costs: $778,551

3. Co-Investigator/ PI of RI Hospital Subcontract
   Title: Substance Use Prevention Program for Preadolescents with Psychiatric Disorders
   NIDA, R21 DA024207-01 (PI: Spirito)
   Start Date: 7/01/08; End Date: 6/30/10
   Total Costs: $442,250

4. Co-Investigator/PI of RI Hospital Subcontract
   Title: Reversal Learning in Pediatric Bipolar Disorder – Recovery Act Administrative Supplement
   NIMH, K22 (PI: Dickstein)
   Start Date: 07/01/09; End Date: 06/30/10
   Total Costs: $203,921

5. Co-Investigator
   Title: GxE in early childhood: Twin Mothers
   NICHD, R01 HD49024 (PI: Heath)
   Start Date: 1/1/2005; End Date: 12/31/2009
   Total costs: $3,057,764

GRANTS (Mentoring role)

1. Primary Sponsor
   Title: Psychogenetic Factors in Project REACH
   NIMH, K01 MH087240 (PI: Nugent)
   Start Date: 9/1/2009; End Date: 8/31/2014
   Total Costs: $728,251
2. Co-Mentor
   Title: Postpartum Depression: Role of Sleep & Genetic Risk in Postpartum Mood Disorders
   K23 MH086689-01A1 (PI: Sharkey)
   Start Date: 12/1/2010; End Date: 11/30/2015
3. Co-mentor
   Title: A Program of Research and Mentorship on Alcohol Use and Intimate Partner Violence
   K24 AA019707-01A1 (PI: Stuart)
   Start Date: 4/1/2011; End date: 3/31/2016
   Estimated total costs: 870,615

UNIVERSITY TEACHING ROLES

1997	Teaching Assistant, Behavioral Genetics, Dept of Psychology University of Colorado
1999	Teaching Assistant, Quantitative Genetics, Dept of Psychology University of Colorado
2003-2004	Instructor, Twin and Family Modeling using Mx, Washington University School of Medicine
2005	Instructor (*invited*), Twin and Family Modeling using Mx,

	University of Helsinki, Finland (November 14-18, 2005)
2005-pres	Training faculty, Center for Alcohol and Addiction Studies NIDA/NIAAA Postdoctoral Fellowship Program T32 Training Grants (both NIDA and NIAAA) Brown University
2006-2007	Instructor, Behavioral Genetics minicourse I-IV Center for Alcohol and Addiction Studies Brown University
2009-pres	Training faculty, Research Training Program in Child Mental Health T32 Training Grant (NIMH) Brown University

POSTDOCTORAL FELLOWS AND STUDENTS MENTORED (please also see K award mentees under Grants (mentored) above)

2006-2008	Lance Swenson (postdoctoral fellow)
Spring 2009	Jacqueline Goldman (undergraduate student)
2009-2010	Richard Mulligan (postdoctoral fellow)
2009-pres	Natasha Hunter (Brown Medical Student – Physician as Communicator concentration) – co-mentoring with Jeffrey Hunt, MD
2010-pres	Sarah Francazio (Providence College student)
2010-pres	Rohan Palmer (postdoctoral fellow)
2010-pres	Cinnamon Bidwell (postdoctoral fellow)
2010-pres	Chris Flessner (postdoctoral fellow)