

## BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed for Form Page 2.  
Follow sample format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Danielle M. Dick, Ph.D.	POSITION TITLE		
eRA COMMONS USER NAME <p style="text-align: center;">dickda</p>	Assistant Professor, Dept of Psychiatry		
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Virginia, Charlottesville, VA	B.A.	1997	Psychology/Biology
Indiana University, Bloomington, IN	Ph.D.	2001	Clinical Psychology/ Behavioral Genetics
Indiana University School of Medicine	Postdoctoral	2001-2003	Medical & Molecular Genetics

### A. Positions and Honors

- 2001-2003 Post-doctoral Fellow, Dept. of Medical & Molecular Genetics, Indiana University School of Medicine, Indianapolis, IN
- 2003-2005 Research Assistant Professor of Psychiatry, Dept. of Psychiatry, Washington University School of Medicine, St. Louis, MO  
Associated Faculty Member, Dept. of Psychology, Washington University, St. Louis
- 2005- Research Assistant Professor of Psychiatry, Dept. of Psychiatry, Washington University School of Medicine, St. Louis, MO  
Assistant Professor of Psychology, Dept. of Psychology, Washington University, St. Louis
- 2006-2007 Assistant Professor of Psychiatry and Psychology, Washington University, St. Louis
- 2007 - Assistant Professor, Dept of Psychiatry, Virginia Commonwealth University

Elected Member of the Board for the International Society for Twin Studies, 2007-

Elected Secretary, Behavior Genetics Association, 2007-

Behavior Genetics Association Fuller & Scott Award for Outstanding Young Investigator, 2006

National Academy of Sciences Committee Member, Inst. of Medicine's Committee on Twin Studies, 2006-2009

APA Decade of Behavior Distinguished Lecturer Award, drafted for Behavior Genetics Association, 2006

Faculty, Nineteenth International Workshop on Methodology of Twin and Family Studies, Institute for Behavioral Genetics, Boulder, CO, *March 2006*

Faculty, Third Workshop on Methodology for Behavior Genetics and Genetic Epidemiology: Multivariate Modeling of Genetic Data, Egmond, The Netherlands, *October, 2005*

Elected Member of Executive Committee of Behavior Genetics Association, 2003-2006

National Institutes of Health NRSA Postdoctoral Fellowship, 2001-2003

National Science Foundation Graduate Fellowship, 1998-2001

Thompson Award for Outstanding Graduate Student, Behavior Genetics Association, 1999

J.R. Kantor Outstanding Doctoral Graduate Award, Indiana University, 2001

American Psychological Association, Division 12, Section IV Outstanding Student Research Award, Hon Mention, 1999

Richard David Young Summer Research Fellowship, 1999 and 1998

Department of Defense Fellowship, Honorable Mention, 1998

APA Division 35 Hyde Graduate Student Research Grant, 1998

### B. Publications (selected from >55 peer-reviewed publications)

1. Dick, DM, Johnson, JK, Viken, RJ, & Rose, RJ: Testing between-family associations in within-family comparisons. *Psychological Science* 2000; 11: 409-413.
2. Dick, DM, Rose, RJ, Viken, RJ, & Kaprio, J: Pubertal timing and substance use: Associations between and within families across late adolescence. *Developmental Psychology* 2000; 36: 180-189.
3. Dick, DM, Rose, RJ, Pulkkinen, L, & Kaprio, J: Measuring puberty and understanding its impact: A longitudinal study of adolescent twins. *Journal of Youth and Adolescence* 2001; 30: 385-399.

4. Dick, DM, Viken, RJ, Kaprio, J, & Rose, RJ: Exploring gene-environment interactions: Socio-regional moderation of alcohol use. *Journal of Abnormal Psychology* 2001; 110: 625-632.
5. Rose, RJ, Dick, DM, Viken, RJ, & Kaprio, J: Gene-environment interaction: Regional residency moderates longitudinal influences on alcohol use. *Alcoholism: Clinical & Experimental Research* 2001; 25: 637-643.
6. Rose, RJ, Dick, DM, Viken, RJ, Pulkkinen, L, & Kaprio, J: Drinking or abstaining at age 14? A genetic epidemiological study. *Alcoholism: Clinical and Experimental Research* 2001; 25: 1594-1604.
7. Dick, DM, Foroud, T, Edenberg HJ, Miller, M, Bowman, E, Rau, NL, DePaulo, R, McInnis, M, Gershon, E, McMahon, F, Rice, JP, Bierut, LJ, Reich, T, & Nurnberger, Jr, J: Apparent replication of suggestive linkage on chromosome 16 in the NIMH genetics initiative bipolar pedigrees. *American Journal of Medical Genetics (Neuropsychiatric Genetics)* 2002; 114: 407-412.
8. Dick, DM, Nurnberger, Jr, J, Edenberg, HJ, Goate, A, Crowe, R, Rice, J, Hesselbrock, V, Bucholz, KK, Kramer, J, Porjesz, B, Begleiter, H, & Foroud, T: Suggestive linkage on chromosome 1 for a quantitative alcohol/personality phenotype. *Alcoholism: Clinical and Experimental Research* 2002; 26: 1453-1460.
9. Dick, DM & Rose, RJ: Behavior Genetics: What's new? What's next? *Current Directions in Psychological Science* 2002; 11: 70-74.
10. Rose, RJ, Viken, RJ, Dick, DM, Bates, JE, Pulkkinen, L, & Kaprio, J: It Does Take a Village: Non-Familial Environments and Children's Behavior. *Psychological Science* 2003; 14: 273-277.
11. Reed, T & Dick, DM: Heritability and validity of good health (wellness) in elderly male twins. *Twin Research* 2003; 6: 227-234.
12. Dick, DM, Foroud, T, Flury, L, Bowman, E, Miller, M, Rau, NL, Moe, PR, Samavedy, N, El-mallakh, R, Manji, H, Glitz, D, Meyer, E, Smiley, C, Berrettini, W, Byerley, W, Coryell, W, DePaulo, R, Gershon, ES, Kelsoe, J, McMahon, F, McInnis, M, Murphy, D, Reich, T, Scheftner, W, & Nurnberger, Jr, J: Genome-wide linkage analyses of bipolar disorder: A new sample of 250 NIMH genetics initiative pedigrees. *American Journal of Human Genetics* 2003; 73: 107-114.
13. Dick, DM, & Foroud, T: Candidate genes for alcohol dependence: A review of genetic evidence from human studies. *Alcoholism: Clinical and Experimental Research* 2003; 27: 868-879.
14. Dick, DM & Foroud, T: Overview of genetic strategies to detect genes involved in alcoholism and related phenotypes. *Alcohol Research and Health* 2003; 26: 172-180.
15. Dick, DM, Edenberg, HJ, Xuei, X, Goate, A, Kuperman, S, Schuckit, M, Crowe, R, Smith, TL, Porjesz, B, Begleiter, H, & Foroud, T: Association of GABRG3 with alcohol dependence. *Alcoholism: Clinical and Experimental Research* 2003; 28(1):4-9
16. Reed, T, Dick, DM, Uniacke, SK, Foroud, T, & Nichols, WC: Genomewide scan for a healthy aging phenotype provides support for a locus near D4S1564 promoting healthy aging. *Journal of Gerontology: Biological Sciences* 2003; 59(3): B227-32.
17. McInnis MG, Dick DM, Willour VL, Avramopoulos D, MacKinnon DF, Simpson SG, Potash JB, Edenberg HJ, Bowman ES, McMahon FJ, Smiley C, Chellis JL, Huo Y, Diggs T, Meyer ET, Miller M, Matteini AT, Rau NL, DePaulo JR, Gershon ES, Badner JA, Rice JP, Goate AM, Detera-Wadleigh SD, Nurnberger JI, Reich T, Zandi PP, Foroud TM. Genome-wide scan and conditional analysis in bipolar disorder: evidence for genomic interaction in the National Institute of Mental Health genetics initiative bipolar pedigrees. *Biological Psychiatry* 2003; 54(11):1265-73.
18. Dick, DM, Li, TK, Edenberg, HJ, Hesselbrock, V, Kramer, J, & Foroud, T: A genome-wide screen for genes influencing conduct disorder. *Molecular Psychiatry* 2004; 9(1):81-6.
19. Edenberg, HJ, Dick, DM, Xuei, X, Tian, H, Almasy, L, Bauer, LO, Crowe, RR, Goate, A, Hesselbrock, V, Jones, K, Kwon, J, Li, T-K, Nurnberger, Jr., JI, O'Connor, SJ, Reich, T, Rice, J, Schuckit, MA, Porjesz, B, Foroud, T, & Begleiter, H: Variations in GABRA2, encoding the alpha2 subunit of the GABA(A) receptor, are associated with alcohol dependence and with brain oscillations. *American Journal of Human Genetics* 2004; 74(4):705-14.
20. Hesselbrock, V, Dick, DM, Hesselbrock, M, Foroud, T, Schuckit, M: The search for genetic risk factors associated with suicidal behavior. *Alcoholism: Clinical and Experimental Research* 2004; 28(5 Suppl):70S-76S.
21. Dick, DM, Nurnberger, JI, Jr. Molecular psychiatry meeting, February 2003, Lake Louise, Canada. *Psychiatric Genetics* 2004; 14: 183-186.
22. Rose, RJ, Dick, DM, Viken, RJ, Pulkkinen, L, & Kaprio, J: Genetic and environmental effects on conduct disorder, alcohol symptoms, and their covariation at age 14. *Alcoholism: Clinical and Experimental Research* 2004; 28: 1541-1548.

23. Dick, DM, Viken, RJ, Kaprio, J, Pulkkinen, L, & Rose, RJ: Understanding the covariation between childhood externalizing symptoms: Genetic and environmental influences on conduct disorder, attention deficit hyperactivity disorder, and oppositional defiant disorder symptoms. *Journal of Abnormal Child Psychology*, 2005; 33(2): 219-229.
24. Dick, DM, Edenberg, HJ, Xuei, X., Goate, A, Hesselbrock, V, Schuckit, M, Crowe, R, & Foroud, T: No association of the GABA-A receptor genes on chromosome 5 with alcoholism in the Collaborative Study on the Genetics of Alcoholism sample. *American Journal of Medical Genetics (Neuropsychiatric Genetics)*, 2005;132(1):24-28.
25. Rose, RJ & Dick, DM: Gene-environment interplay in adolescent drinking behavior; *Alcohol Research and Health*, 2004/2005; 28 (4) 222-229.
26. Dick, DM, Aliev, F, Bierut, L, Goate, A, Rice, J, Hinrichs, A, Bertelsen, S, Wang, JC, Dunn, G, Kuperman, S, Schuckit, S, Nurnberger, Jr., J, Porjesz, B, Begleiter, H, Kramer, J, & Hesselbrock, V. Linkage Analyses of IQ in the Collaborative Study on the Genetics of Alcoholism (COGA) Sample. *Behavior Genetics*, 2006; 36 (1) 77-86.
27. Dick, DM, Rose, RJ, & Kaprio, J: The next challenge for psychiatric genetics: Characterizing the risk associated with identified genes. *Annals of Clinical Psychiatry*; in press.
28. Dick, DM, Goate, A, Bierut, L, Schuckit, M, Hesselbrock, V, Almasy, L, Tischfield, J, Foroud, T, Edenberg, H, Porjesz, B, & Begleiter, H: Endophenotypes successfully lead to gene identification: An update from the Collaborative Study on the Genetics of Alcoholism. *Behavior Genetics*, 2006; 36 (1): 112-126.
29. Reed T., Plassman, B.L., Tanner, C.M., Dick, D.M., Rinehart, S.A. and Nichols W.C.: Verification of Self-Report of Zygosity Determined via DNA Testing on a Subset of the NAS-NCR Twin Registry 40 Years Later. *Twin Research and Human Genetics*, 2005; 8(4):362-7.
30. Jang, K. L., Dick, D. M., Wolf, H., Livesley, W. J., Paris, J. Psychosocial adversity and emotional instability: An application of gene-environment interaction models. *European Journal of Personality*, 2005, 19: 1-14.
31. Dick, DM, Agrawal, A., Schuckit, M, Bierut, L, Fox, L, Mullaney, J, Hesselbrock, V, Nurnberger, J, Jr., Almasy, L, Foroud, T, Edenberg, H, & Begleiter, H: Marital status, alcohol dependence and GABRA2: Evidence for gene-environment correlation and interaction. *Journal of Studies on Alcohol*, 2006; 67 (2): 185-194.
32. Dick, DM, 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, Jr., J., Xuei, X., Edenberg, H.J., & Foroud, T. The role of GABRA2 in risk for conduct disorder and alcohol and drug dependence across different developmental stages. *Behavior Genetics*, 2006; 36 (4): 577-590.
33. Pagan, J. L., Rose, R.J., Viken, R.J., Pulkkinen, L., Kaprio, J., & Dick, D.M. Genetic and Environmental Influences on Stages of Alcohol Use Across Adolescence and Into Young Adulthood. *Behavior Genetics*, 2006; 36 (4): 483-497.
34. Dick, D.M., Plunkett, J., Wetherill, L. F., Xuei, X., Goate, A., Hesselbrock, V., Schuckit, M., Crowe, R., Edenberg, H. J., & Foroud, T. Association between GABRA1 and Drinking Behaviors in the Collaborative Study on the Genetics of Alcoholism Sample; *Alcoholism: Clinical and Experimental Research*, 2006; 30 (7) 1101-1110.
35. Jones, K. A., Porjesz, B., Almasy, L., Bierut, L., Dick, D.M., Goate, A., Hinrichs, A., Rice, J. P., Wang, J. C., Bauer, L. O., Crowe, R., Foroud, T., Hesselbrock, V., Kuperman, S., Nurnberger, Jr., J., O'Connor, S. J., Rohrbach, J., Schuckit, M. A., Tischfield, J., Edenberg, H. J., & Begleiter, H. A cholinergic receptor gene (CHRM2) affects event related oscillations. *Behavior Genetics*, in press.
36. Dick, DM & Bierut, LJ. The genetics of alcohol dependence. *Current Psychiatry Reports*, 2006; 8: 151-7.
37. Agrawal, A., Edenberg, H. J., Foroud, T., Bierut, L. J., Dunne, G., Hinrichs, A. L., Nurnberger, Jr., J. I., Crowe, R., Kuperman, S., Schuckit, M. A., Begleiter, H., Porjesz, B., & Dick, D.M. Association of GABRA2 with Drug Dependence in the Collaborative Study of the Genetics of Alcoholism sample; *Behavior Genetics*, April 2006 E-pub ahead of print.
38. Dick, DM, Rose, RJ, & Kaprio, J: The next challenge for psychiatric genetics: Characterizing the risk associated with identified genes. *Annals of Clinical Psychiatry*, 2006; 18 (4) 223-231.
39. D. M. Dick, J. Plunkett, D. Hamlin, J. Nurnberger Jr., S. Kuperman, M. Schuckit, V. Hesselbrock, H. Edenberg, & L. J. Bierut. Association analyses of the serotonin transporter gene with lifetime depression and alcohol dependence in the collaborative Study of the Genetics of Alcoholism (COGA) sample, *Psychiatric Genetics*, 2007; 17 (1) 35-38.
40. Dick, DM, Purcell, S, Viken, R, Kaprio, J, Pulkkinen, L, & Rose, RJ: Parental

monitoring moderates the importance of genetic and environmental influences on adolescent smoking, *Journal of Abnormal Psychology*, in press.

41. Dick, D. M., Agrawal, A., Wang, J. C., Hinrichs, A., Bertelsen, S., Bucholz, K. K., Schuckit, M., Kramer, J., Nurnberger, Jr., Tischfield, J., Edenberg, J. H., Goate, A., & Bierut, L. J. 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*, in press.
42. D.M. Dick, J. L. Pagan, R. J. Viken, S. Purcell, J. Kaprio, L. Pulkkinen, & R.J. Rose. Changing environmental influences on substance use across development, *Twin Research*, in press.
43. D.M. Dick, J.C. Wang, J. Plunkett, A. Hinrichs, S. Bertelsen, J. P. Budde, E. L. Goldstein, D. Kaplan, H. J. Edenberg, J. Nurnberger Jr., V. Hesselbrock, M. Schuckit, S. Kuperman, J. Tischfield, B. Porjesz, H. Begleiter, L. J. Bierut, & A. Goate. Family-based analyses of alcohol dependence yield association with neighboring gene ANKK1 rather than DRD2, *Alcoholism: Clinical and Experimental Research*, in press.

## **C. Research Support**

### **Ongoing Research Support**

**1 R01 AA15416-01** Dick (PI)

8/31/2005-8/31/2010

NIAAA, Role: PI

Gene-Environment Interplay in Adolescent Alcohol Use

The goal of this grant is to conduct analyses exploring the interplay of genetic and environmental risk factors in the development of adolescent alcohol use, smoking, and related behaviors.

### **NARSAD Young Investigator Award**

7/1/07-6/30/09

NARSAD, Role: PI

Identifying Genes Involved in Susceptibility to Suicide Attempts and Related Psychiatric Disorders

**5U10 AA008401** Begleiter (PI)

09/01/04 – 08/31/09

Collaborative Study on the Genetics of Alcoholism – Data Analysis, Role: Consultant

This collaborative study supports the research necessary to identify the gene(s) which influence susceptibility to alcoholism.

### **Completed Research Support**

**3 R01 MH057024-07S1** Bates (PI)

02/01/05 – 01/31/06

NIMH (subcontract from IU), Role: (PI of the Washington University site)

Development of Antisocial Behavior in Early Adulthood

This administrative supplement (funded through NOT-RM-05-007) collected DNA from participants in the Child Development Project.

**4 R37 AA07728-17** Heath (PI)

07/01/89-06/30/08

NIAAA, Role: Co-Investigator

Genetic and Epidemiological Models of Alcohol Abuse

**1 R01 DA/CA12854-05** Madden (PI)

05/25/00 – 04/30/06 (no cost extension)

NIDA/NCI, Role: Co-Investigator

The Genetics of Vulnerability to Nicotine Addiction

**5 R01 MH59534-04**

09/30/98 – 08/31/04

NIMH, Role: Co-Investigator

Collaborative Genomic Study of Bipolar Disorder

**F32 AA13358**

08/01 – 10/03

NIH/NIAAA Role: Principal Investigator

Integrating Behavioral and Molecular Genetics

Independent National Research Service Award