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

NAME **Brien Patrick Riley**		POSITION TITLE **Assistant Professor**	
EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*			
INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Columbia University, New York	B.A.	1982-1986	Psychology
LSHTM, University of London	M.Sc.	1992-1993	Human Nutrition
Imperial College, London	Ph.D.	1993-1996	Biochemistry and Molecular Genetics
Institute of Psychiatry, London	Post-doc	1996-1998	Psychiatric Genetics
Institute of Psychiatry, London	MRC Fellow	1998-2001	Psychiatric Genetics

A. POSITIONS AND HONORS

EMPLOYMENT:

1991-1993: Research Assistant in Department of Biochemistry and Molecular Genetics, St. Mary's Hospital Medical School, Imperial College, London.
1993-1996: Research Assistant (registered for PhD) with Professor Robert Williamson in Department of Biochemistry and Molecular Genetics, St. Mary's Hospital Medical School, Imperial College, London.

TRAINING:

1996-1998: Post-doctoral research assistant with Professor Robin Murray in Department of Psychological Medicine, Institute of Psychiatry, London.
1998-2001: MRC Research Training Fellowship, Division of Psychological Medicine and MRC Centre for Social, Genetic and Developmental Psychiatry Research, Institute of Psychiatry, London.

ACADEMIC APPOINTMENTS:

2000-2001: Member, Executive Committee and Faculty, MRC Centre for Social, Genetic and Developmental Psychiatry Research, and Lecturer, Department of Psychological Medicine, Institute of Psychiatry, London.
2001-present: Director of Molecular Genetics, Virginia Institute for Psychiatric and Behavioral Genetics and Assistant Professor, Departments of Psychiatry and Human Genetics, Virginia Commonwealth University.

HONORS

Senior Scientist Award, Biennial Winter Workshop on Schizophrenia, 2004.
Post-doctoral Scholarship World Congress on Psychiatric Genetics, 1999, 2000, 2001.
Young Scientist Award, Biennial Winter Workshop on Schizophrenia, 1996, 1998, 2000.
Young Investigator Award, International Congress on Schizophrenia Research, 1999.
Edgar Lawley Travel Scholarship to visit Malaysia and Australia to set up new collaborative research projects, 1996.

B. SELECTED PEER-REVIEWED PUBLICATIONS:

1. Foley DL, Kuhn J, Wormley B, Silberg JL, Maes HH, Eaves LJ, **Riley B** (manuscript in review). Childhood adversity, MAO-A genotype and risk for conduct disorder. *Archives of General Psychiatry.*
2. Schizophrenia Linkage Collaborative Group (In Press). Multicenter linkage study of schizophrenia loci on chromosome 22q. *Molecular Psychiatry.*

3. van den Oord EJCG, Sullivan PF, Chen X, Kendler KS, **Riley BP** (2003) Identification of a high risk haplotype for the dystrobrevin binding protein 1 (DTNBP1) gene in the Irish Study of High Density Schizophrenia Families. *Molecular Psychiatry* **8:** 499-510**.**
4. van den Oord E, Jiang Y, **Riley B,** Kendler KS, Chen X (2003). SNP Genotype Scoring using Automated Procedures and Technicians: A Study of Error Rates and Types. *Biotechniques* **34:** 610-624.
5. Schizophrenia Linkage Collaborative Group (2002). No major schizophrenia locus detected on chromosome 1q in a large multicenter sample. *Science* **296:** 739-741.
6. **Riley BP**, Williamson M, Collier D, Wilkie H and Makoff A (2002). A 3Mb map of a large segmental duplication overlapping the α7 nicotinic acetylcholine receptor gene (CHRNA7) at human 15q13-q14. *Genomics* **79:** 197-209
7. McGuffin P, **Riley B**, Plomin R (2001). Toward behavioral genomics. *Science* **291:** 1232-1249.
8. **Riley BP** and McGuffin P (2000). Linkage and associated studies of schizophrenia. *American Journal of Medical Genetics Seminars in Medical Genetics* **97:** 23-44.
9. **Riley BP,** Mogudi-Carter M, Jenkins T, Williamson R, Collier D and Murray R. (2000). Haplotype transmission disequilibrium and evidence for linkage of the CHRNA7 gene region to schizophrenia in southern African Bantu families. *American Journal of Medical Genetics Neuropsychiatric Genetics* **96:** 196-201.
10. **Riley BP** and Williamson R (2000). Sane Genetics for Schizophrenia. *Nature Medicine* **6:** 253-255.
11. Bailey MES, Matthews DA, **Riley BP**, Albrecht BE, Kostrzewa M, Hicks AA, Harvey RJ, Harris R, Müller U, Darlison MG and Johnson KJ (1999). Linkage and radiation hybrid mapping of human $GABA_A$ receptor subunit gene clusters reveals insights into their evolution. *Mammalian Genome* **10:** 839-843.
12. Craddock N, Lendon C, Cichon S, Culverhouse R, Detera-Wadleigh S, Devon R, Faraone S, Foroud T, Gejman P, Leonard S, McInnis M, Owen MJ, **Riley B** (1999). Chromosome workshop: Chromosomes 11, 14, and 15. *American Journal of Medical Genetics Neuropsychiatric Genetics* **88:** 244-254.
13. Morton CC, Christian SL, Donlon TA, Driscoll DJ, Fink JK, Gabriel JM, Gotway G, Greally JM, Hitchins MP, Howard HC, Ji Y, Leonard S, Lerner T, Magenis E, Malcolm S, Ohta T, Rainier S, Rees M, **Riley B**, Robinson WP, Saitoh S, Schultz R, Sell S, Sharp JD, Talbot C, Trent R, Wevrick R and Nicholls RD (1999). Fourth International Workshop on Human Chromosome 15 Mapping. *Cytogenetics & Cell Genetics* **84:** 12-21.
14. **Riley BP**, Lin M-W, Mogudi-Carter M, Jenkins T, Williamson R, Powell JF, Collier D and Murray R (1998). Failure to exclude a possible schizophrenia susceptibility locus on chromosome 13q14.1-q32 in southern African Bantu-speaking families. *Psychiatric Genetics* **8:** 155-162.
15. Barden N, Morissette J, Armstrong CA, Ginns EI, Hwu H-G, Inada Y, LaBuda MC, Levinson DF, **Riley BP,** Shaw S, Sherrington R, Straub RE, Williams J (1998). Chromosome 13 workshop. *Psychiatric Genetics* **8:** 93-96.
16. **Riley BP** and Williamson R (1997). Nonparametric analysis of chromosome 6p24-22 marker data and schizophrenia in Southern African Bantu-speaking families. *Psychiatric Genetics* **7:** 131-132.
17. **Riley BP**, Tahir E, Rajagopalan S, Mogudi-Carter M, Fauré S, Weissenbach J, Jenkins T and Williamson R (1997). A linkage study of the N-methyl-D-aspartate receptor subunit gene loci and schizophrenia in southern African Bantu-speaking families. *Psychiatric Genetics* **7:** 57-74.
18. **Riley BP**, Mogudi-Carter M, Rajagopalan S, Jenkins T and Williamson R (1996). No evidence for linkage of chromosome 6p markers to schizophrenia in southern African Bantu-speaking families. *Psychiatric Genetics* **6:** 41-50.
19. **Riley BP**, Mogudi-Carter M, Jenkins T, Williamson R (1996). No evidence for linkage of chromosome 22 markers to schizophrenia in a sample of southern African Bantu-speaking families. *American Journal of Medical Genetics (Neuropsychiatric Genetics)* **67:** 515-522.

20. Schizophrenia Linkage Collaborative Group for Chromosomes 3, 6 and 8. (1996). Additional support for schizophrenia linkage on chromosomes 6 and 8: a multicenter study. *Am. J. of Medical Genetics (Neuropsychiatric Genetics)* **67:** 580-594.
21. Daniels JK, Williams NM, Williams J, Jones LA, Cardno AG, Murphy KC, Scott L, Spurlock G, **Riley B**, Scambler
22. P, Asherson P, McGuffin P, Owen MJ (1996). No evidence for allelic association between schizophrenia and a polymorphism determining high or low catechol-O-methyltransferase activity. *American Journal of Psychiatry* **153:** 268-270.
23. Byerley W, Bailey MES, Hicks AA, **Riley BP**, Darlison MG, Holik J, Hoff M, Umar F, Reimherr F, Wender P, Myles-Worsley M, Waldo M, Freedman R, Johnson KJ, Coon H (1995). Schizophrenia and $GABA_A$ receptor subunit genes. *Psychiatric Genetics* **5:** 23-29.
24. **Riley BP**, Williamson R, Vergnaud G (1994). The EUROGEM map of human chromosome 22. *European Journal of Human Genetics* **2:** 246-247.
25. Bakker E, Vossen RHAM, **Riley BP**, Sherrington R, Vergnaud G, Pearson NM (1994). The EUROGEM map of human chromosome 4. *European Journal of Human Genetics* **2:** 210-211.
26. Hicks AA, Bailey MES, **Riley BP**, Kamphuis W, Siciliano MJ, Johnson KJ, Darlison MG (1994). Further evidence for clustering of human $GABA_A$ receptor subunit genes: localization of the α_6-subunit gene (GABRA6) to distal chromosome 5q by linkage analysis. *Genomics* **20:** 285-288.
27. Gispert S, Twells R, Orozco G, Brice A, Weber J, Heredero L, Scheufler K, **Riley B**, Allotey R, Nothers C, Hillermann R, Lunkes A, Khati C, Stevinin G, Hernandez A, Magariño C, Klockgether T, Durr A, Chneiweiss H, Enczmann J, Farrall M, Beckmann J, Mullan M, Wernet P, Agid Y, Freund H-J, Williamson R, Auburger G, Chamberlain S (1993). Chromosomal assignment of the second locus for autosomal dominant cerebellar ataxia (SCA2) to chromosome 12q23-24.1. *Nature Genetics* **4:** 295-299.
28. Buxton J, Shelbourne P, Davies J, Jones C, Van Tongeren T, Aslanidis C, deJong P, Jansen G, Anvret M, **Riley B**, Williamson R, Johnson K (1992). Detection of an unstable fragment of DNA specific to individuals with myotonic dystrophy. *Nature* **355:** 547-548.
29. Johnson KJ, Sander T, Hicks AA, van Marle A, Janz D, Mullan MJ, **Riley BP**, Darlison MG (1992). Confirmation of the localization of the human $GABA_A$ receptor α_1-subunit gene (GABRA1) to distal 5q by linkage analysis. *Genomics* **14:** 745-748.

Other Support
NAME: Brien Patrick RILEY

ACTIVE

NARSAD Young Investigator Award **7/15/04-7/14/06** **10%**
NARSAD **$29,998**
African Haplotype Studies of Schizophrenia Candidate Genes
Haplotype studies of candidate genes in African schizophrenic samples to identify smaller, and possibly multiple, associated haplotypes in samples not yet investigated for association with the current best set of schizophrenia candidate genes.

1-R01-MH068881-01 (subcontract, PI Riley) **4/1/04-3/31/08** **5%**
NIMH **$325,000**
Multicenter Genetic Studies of Schizophrenia
Collaborative, multicenter study of schizophrenia undertaking new full genome scan in collaborative sample as well as continued genotyping of markers in suggested linkage regions for schizophrenia.

2-R01-MH041953-13 (Kendler/Riley) **4/1/04-3/31/09** **30%**
NIMH **$3,441,966**

Genetic epidemiology of schizophrenia in Ireland
Sequence DTNBP1 in schizophrenic and control samples selected on the basis of presence or absence of the high risk haplotype to identify pathogenic variants influencing liability to schizophrenia.

AD Williams Trust Grant (Riley) **9/1/02-8/31/04** **2%**

AD Williams Trust **$14,920**
Candidate Gene Studies of Anorexia Nervosa
Studies of candidate genes for anorexia nervosa suggested by convergent evidence from genome-wide linkage studies and biochemical data.

1RO1 AA110408 (Prescott) **9/1/02-8/31/06** **25%**
NIAAA **$2,703,462**
An Irish Affected Sib Pair Study of Alcohol Dependence
Current evidence suggests that the probability of success can be enhanced by adopting such methods as the use of selected and systematically ascertained samples of large size obtained from a population with substantial genetic and cultural homogeneity. This application proposes to carry out a study employing such methods. We hope to ascertain, from population-based registers in 3 counties in Ireland, 1,700 siblings from 800 mulitplex sibships who meet narrow DSM-IV based criteria for Alcohol Dependence.

5R01MH41953 (Kendler) **4/1/99-3/31/04** **5%**

NIMH **$635,010**

The Genetic Epidemiology of Schizophrenia in Ireland
This is a competitive renewal that seeks support to critically extend the Irish Study of High Density Schizophrenia Families by collecting 500 proband-parent triads for family-based association studies.

Biomedical Research Collaboration (Riley) **12/1/98-11/31/04** **2%**
Wellcome Trust, UK **£18,324**
Sampling schizophrenic patients and their parents in Ethiopia and Ghana for molecular genetic analysis using transmission disequilibrium analysis.
Ascertain and sample schizophrenic cases and their relatives from the Butajira Rural Mental Health Study, in Butajira Ethiopia, and from similar population-based surveys in Ghana.

PENDING

None

OVERLAP

None