

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		POSITION TITLE	
Brien Patrick Riley		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	BA	1986	Psychology
LSHTM, University of London	MSc	1993	Human Nutrition
Imperial College, London	PhD	1996	Biochem, Molec. Genetics
Institute of Psychiatry, London			

A. Positions and Honors**Positions**

- 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
- 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
- 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

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

B. Selected Peer-Reviewed Publications

Dr. Riley has participated in the preparation and publication of over 30 papers, chapters and reviews, of which the following are a sample:

- 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 GABAA receptor $\alpha 1$ -subunit gene (GABRA1) to distal 5q by linkage analysis. *Genomics* 14: 745-748. *Behav Genet* 19:151-161
- 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
- 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

- Hicks AA, Bailey MES, Riley BP, Kamphuis W, Siciliano MJ, Johnson KJ, Darlison MG (1994) Further evidence for clustering of human GABAA receptor subunit genes: localization of the γ 6-subunit gene (GABRA6) to distal chromosome 5q by linkage analysis. *Genomics* **20**:285-288
- Bakker E, Vossen RHAM, Riley BP, Sherrington R, Vergnaud G, Pearson NM (1994) The EUROGEM map of human chromosome 4. *Eur J Hum Genet* **2**:210-211
- Riley BP, Williamson R, Vergnaud G (1994) The EUROGEM map of human chromosome 22. *Eur J Hum Genet* **2**:246-247
- 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 GABAA receptor subunit genes. *Psychiatric Genetics* **5**:23-29
- Daniels JK, Williams NM, Williams J, Jones LA, Cardno AG, Murphy KC, Scott L, Spurlock G, Riley B, Scambler 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. *Am J Psychiatry* **153**:268-270
- 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 Med Genet (Neuropsychiatric Genetics)* **67**:580-594
- 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. *Am J Med Genet* **67**:515-522
- 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
- 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
- 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
- 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
- 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
- Morton CC, Christian SL, Donlon TA, Driscoll DJ, Fink JK, Gabriel JM, Gotway G, Grealley 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
- 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. *Am J Med Genet (Neuropsychiatric Genetics)* **88**:244-254
- Bailey MES, Matthews DA, Riley BP, Albrecht BE, Kostrzewa M, Hicks AA, Harvey RJ, Harris R, Müller U, Darlison MG, Johnson KJ (1999) Linkage and radiation hybrid mapping of human GABAA receptor subunit gene clusters reveals insights into their evolution. *Mammalian Genome* **10**:839-843
- Riley BP, Williamson R (2000). Sane Genetics for Schizophrenia. *Nature Medicine* **6**:253-255
- Riley BP, Makoff A, Mogudi-Carter M, Jenkins T, Williamson R, Collier D, Murray R. (2000) Haplotype transmission disequilibrium and evidence for linkage of the CHRNA7 gene region to schizophrenia in southern African Bantu families. *Am J Med Genet (Neuropsychiatric Genetics)* **96**:196-201
- Riley BP, McGuffin P (2000) Linkage and associated studies of schizophrenia. *Am J Med Genet* **97**:23-44
- McGuffin P, Riley B, Plomin R (2001). Toward behavioral genomics. *Science* **291**:1232-1249
- Riley BP, Williamson M, Collier D, Wilkie H, Makoff A (2002) A 3Mb map of a large segmental duplication overlapping the "7 nicotinic acetylcholine receptor gene (CHRNA7) at human 15q13-q14. *Genomics* **79**:197-209
- Schizophrenia Linkage Collaborative Group (2002) No major schizophrenia locus detected on chromosome 1q in a large multicenter sample. *Science* **296**:739-741
- Van den Oord, EJCG, Jiang, Y, Riley, BP, Kendler, KS & Chen, X (2003). FP-TDI SNP genotype scoring by manual and statistical procedures: A study of error rates and types. *BioTechniques* **34**:610-624
- 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 gene in the Irish Study of High Density Schizophrenia Families. *Molec Psychiatry*, in press

C. Research Support**Active**

R01 AA11408 Prescott (PI) 09/01/02 - 08/31/06 Co-I

NIH/NIMH/NIAAA

An Irish Affected Sib Pair Study of Alcohol Dependence

The goal of this project is to detect the genomic location of susceptibility loci (SL) for alcoholism.

R01 MH41953 Kendler (PI) 04/01/99 - 02/28/04 Co-I

NIH/NIMH

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.

R01 MH62276 Levinson (PI) 09/01/00 - 08/31/03 subcontract PI

NIH/NIMH

Multicenter Genetic Studies of Schizophrenia: Collaborative, Multicenter Replication Study of Linkage Findings in Schizophrenia from Chromosomes 15q, 18p and 22q.

7-site effort to contribute to the identification of schizophrenia susceptibility genes using genetic linkage and association studies of a combined sample of about 900 informative pedigrees.

AD Williams Trust Riley (PI) 09/01/02 - 08/31/04 PI

AD Williams Trust Grant

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.

Completed

Wellcome Trust Riley (PI) 12/01/98 - 11/31/01 PI

Wellcome Trust, UK Biomedical Research Collaboration

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

R01MH068881 Levinson (PI) 09/01/03 - 08/31/07 subcontract PI

NIH/NIMH

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.

R01 MH41953 Kendler (PI) 12/01/03 - 11/31/08 Co-I

NIH/NIMH

The Genetic Epidemiology of Schizophrenia in Ireland

The aim is to screen two known high-risk haplotypes identified in two high-risk samples for causal variation and to catalog numerous human populations and primate lineages for the associated regions. Variants identified would be assessed for functionality.

R01 MH41953 Kendler (Co-PI) 12/01/02 - 03/31/04 Co-PI

NIH/NIMH Supplement

The Genetic Epidemiology of Schizophrenia in Ireland

Aim is sequence high and low risk haplotype groups to identify causal mutations in the dystrobrevin gene on chromosome

