

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
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NAME GURSHARAN KALSI	POSITION TITLE RESEARCH ASSOCIATE		
eRA COMMONS USER NAME GKALSI			
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 East Anglia, Norwich, UK	B.Sc (Hons)	1980-1983	Ecology
University College London, London, UK	Ph.D (p/t)	1992-2000	Molecular Genetics
Royal Free & University College Medical School, London, UK	Post-doc	2000-2004	Psychiatric Genetics
Royal Free & University College Medical School, London, UK	Research Assistant	1989-2000	Psychiatric Genetics

**A: POSITIONS AND HONORS****Employment**

1989-2000 RESEARCH ASST, Molecular Psychiatry Lab, Royal Free & University College Medical School, London, UK

2000-2004 SENIOR RESEARCH FELLOW, Molecular Psychiatry Lab, Royal Free & University College Medical School, London, UK

2004-2007 POST-DOCTORAL RESEARCH FELLOW, Dept of Psychiatry, Virginia Institute for Psychiatric & Behavioral Genetics, Virginia Commonwealth University, Richmond, VA 23298

2007- RESEARCH ASSOCIATE, Dept of Psychiatry, Virginia Institute for Psychiatric & Behavioral Genetics, Virginia Commonwealth University, Richmond, VA 23298

**Training**

2000-2004 SENIOR RESEARCH FELLOW, Molecular Psychiatry Lab, Royal Free & University College Medical School, London, UK

**Academic Appointments**

2003-2004 Non-professorial Academic Committee, University College London, London, UK

**Honors**

1992 *Young Investigator Award*, World Congress on Psychiatric Genetics

**B: SELECTED PEER REVIEWED PUBLICATIONS**

**Kalsi G**, Prescott CA, Kendler KS, Riley BP (2009) Unraveling the molecular mechanisms of alcohol dependence. *Trends Genet.* 25(1):49-55. Invited review.

Kuo PH, **Kalsi G**, Prescott CA, Hodgkinson CA, Goldman D, Alexander, J, van den Oord EJ, Chen X, Sullivan PF, Patterson DG, Walsh D, Kendler KS, Riley BP. (2009) Associations of glutamate decarboxylase genes with initial sensitivity and age-of-onset of alcohol dependence in the Irish Affected Sib Pair Study of Alcohol Dependence (IASPSAD) Sample. *Drug Alcohol Dependence*, 101: 80-87.

Kuo PH, **Kalsi G**, Prescott CA, Hodgkinson CA, Goldman D, van den Oord EJCG, Alexander J, Jiang C, Sullivan PF, Patterson DG, Walsh D, Kendler KS, Riley BP. (2008) Association of ADH and ALDH Genes with Alcohol Dependence in the Irish Affected Sib Pair Study of Alcohol Dependence (IASPSAD) Sample. *Alcoholism: Clinical and Experimental Research*, 32(5): 785-795.

Kendler KS, Kuo Po-Hsiu, Webb BT, **Kalsi G**, Neale MC, Sullivan PF, Walsh D, Patterson DG, Riley B, Prescott CP (2006) A joint genomewide linkage analysis of symptoms of alcohol dependence and conduct disorder. *Alcoholism: Clinical and Experimental Research*, 30(12): 1972-1977.

Brien P Riley, **Kalsi G**, Kuo P-H, Vladimirov V, Thiselton DL, Vittum J, Wormley B, Grotewiel MS, Patterson DG, Sullivan PF, van den Oord, E, Walsh D, Kendler KS, Prescott CA (2006) Alcohol dependence is associated with the *ZNF699* gene, a human locus related to *Drosophila hangover*, in the Irish Affected Sib Pair Study of Alcohol Dependence (IASPSAD) sample. *Molecular Psychiatry*, Nov 11(11): 1025-1031.

**Kalsi G**, McQuillin A\*, Degn B, Dybro Lundorf M, Bass NJ, Lawrence J, Curtis D, Mors O, Kruse T, Gurling HMD. (2006) Linkage disequilibrium to bipolar disorder across a 300 kilobase region implicates a novel brain expressed gene on chromosome 12q24.3. *American Journal of Psychiatry*, 163(10): 1767-1776.

McQuillin A, Bass NJ, **Kalsi G**, Lawrence J, Puri V, Choudhury K, Detera-Wadleigh SD, Curtis D, Gurling HMD (2006) Fine mapping of a susceptibility locus for bipolar and genetically related unipolar affective disorders, to a region containing the C21ORF29 and TRPM2 genes on chromosome 21q22.3. *Molecular Psychiatry*, 11: 134-142.

Curtis D, **Kalsi G**, Brynjolfsson J, McInnis M, O'Neill J, Smyth C, Maloney E, Murphy P, McQuillin A, Petursson H, Gurling H (2003) Genome scan of pedigrees multiply affected with bipolar disorder provides further support for the presence of a susceptibility locus on chromosome 12q23-q24 and suggests the presence of additional loci on 1p and 1q. *Psychiatric Genetics*, 13(2):77-84.

McQuillin A, **Kalsi G**, Moorey H, Lamb G, Mayet S, Quedsted D, Baker P, Curtis D, Gurling HM (2002) A novel polymorphism in exon 11 of the WKL1 gene shows no association with schizophrenia. *European Journal of Human Genetics*, 10(8): 491-4.

Gurling HMD, **Kalsi G**, Brynjolfsson J, Sigmundsson T, Sherrington R, Mankoo BS, Read T, Murphy P, Blaveri E, McQuillin A, Petursson H, Curtis D (2001) Genomewide genetic linkage analysis confirms the presence of susceptibility loci for schizophrenia on chromosomes 1q32.2, 5q33.2 and 8p21-22 and provides support for linkage to schizophrenia on chromosomes 11q23.3-24 and 20q12.1-11.23. *American Journal of Human Genetics*, 68(3): 661-673.

Blaveri E, **Kalsi G**, Lawrence J, Quedsted D, Moorey H, Lamb G, Kohen D, Shiwach R, Chowdhury U, Curtis D, McQuillin A, Gramoustianou ES, Gurling HMD (2001) Genetic association studies of schizophrenia using the 8p21-22 genes: prepronociceptin (PNO), neuronal nicotinic cholinergic receptor alpha polypeptide 2 (CHRNA2) and arylamine N-acetyltransferase 1 (NAT1). *European Journal of Human Genetics*, 9(6): 469-472.

**Kalsi G**, Gamble D, Curtis D, Brynjolfsson J, Sigmundsson T, Butler R, Read T, Murphy P, Petursson H, Gurling HMD (1999) No evidence for linkage of schizophrenia to DXS7 at chromosome Xp11. *Psychiatric Genetics*, 9(4): 197-199.

**Kalsi G**, Mankoo B, Curtis D, Sherrington R, Melmer G, Brynjolfsson J, Sigmundsson T, Read T, Murphy P, Petursson H, Gurling H (1999) New DNA markers with increased informativeness show diminished support for a chromosome 5q11-13 schizophrenia susceptibility locus and exclude linkage in two new cohorts of British and Icelandic families. *Annals of Human Genetics*, 63: 235-247.

**Kalsi G**, Curtis D, Brynjolfsson J, O'Neill J, Curtis D, Rifkin L, Moloney E, Murphy P, Petursson H, Gurling H (1998) Tests of linkage, allelic and genotypic association between schizophrenia and the gene for the D3 dopamine receptor, DRD3. *Psychiatric Genetics*, 8(3): 187-189.

**Kalsi G**, Whiting P, LeBourdelle B, Callen D, Barnard EA, Gurling H (1998) Localisation of the human NMDAR2D receptor subunit gene (GRIN2D) to 19q13.1-qter, the NMDAR2A subunit gene to 16p13.2 (GRIN2A), and the NMDAR2C subunit gene (GRIN2C) to 17q24-25 using somatic cell hybrid and the radiation hybrid mapping panels. *Genomics*, 47: 423-425.

Smyth C, **Kalsi G**, Curtis D, Brynjolfsson J, O'Neill J, Rifkin L, Moloney E, Murphy P, Petursson H, Gurling H (1997) Two-locus admixture linkage analysis of bipolar and unipolar affective disorder supports the presence of susceptibility loci on chromosomes 11p15 and 21q22. *Genomics*, 39: 271-278.

**Kalsi G**, Smyth C, Brynjolfsson J, Sherrington RS, O'Neill J, Curtis D, Rifkin L, Murphy P, Petursson H, Gurling HMD (1997) Linkage analysis of manic depression (bipolar affective disorder) in Icelandic and British kindreds using markers on the short arm of chromosome 18. *Human Heredity*, 47(5): 268-278.

**Kalsi G**, Sherrington R, Mankoo BS, Brynjolfsson J, Sigmundsson T, Curtis D, Read T, Murphy P, Butler R, Petursson H, Gurling HMD (1996) Linkage study of the D5 dopamine receptor gene (DRD5) in multiplex Icelandic and English schizophrenia pedigrees. *American Journal of Psychiatry*, 153(1): 107-109.

**Kalsi G**, Mankoo BS, Curtis D, Brynjolfsson J, Read T, Sharma T, Murphy P, Petursson H, Gurling HMD (1995) Exclusion of linkage of schizophrenia to the gene for the dopamine D2 receptor (DRD2) and chromosome 11q translocation sites. *Psychological Medicine*, 25(3): 531-537.

**Kalsi G**, Brynjolfsson J, Butler R, Sherrington R, Curtis D, Sigmundsson T, Read T, Murphy P, Sharma T, Petursson H, Gurling HMD (1995) Linkage analysis of chromosomes 22q12-13 in a United Kingdom Icelandic sample of 23 multiplex schizophrenia families. *American Journal of Medical Genetics*, 60(4): 298-301.

**Kalsi G**, Curtis D, Brynjolfsson J, Butler R, Sharma T, Murphy P, Read T, Petursson H, Gurling HMD (1995) Exclusion of genetic linkage of schizophrenia to the pseudoautosomal XY chromosomal region using linkage markers at the DXY14 and MIC2 loci. *British Journal of Psychiatry*, 167: 390-393.

Gurling H, **Kalsi G**, Chen AHS, Green M, Butler R, Read T, Murphy P, Curtis D, Sharma T, Petursson H, Brynjolfsson J (1995) Schizophrenia susceptibility and chromosome 6p24-22. *Nature Genetics*, 11(3): 234-235.

**Kalsi G**, Mankoo BS, Brynjolfsson J, Curtis D, Read T, Murphy P, Sharma T, Petursson H, Gurling HMD (1994) The Marfan syndrome gene locus as a favoured locus for susceptibility to schizophrenia. *Psychiatric Genetics*, 4(4): 219-227.