

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 | |
|--|---------------------------|---------------------------------------|----------------------|
| Kenneth S. Kendler | | Professor, Psychiatry, Human Genetics | |
| 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 |
| University of California, Santa Cruz | BA | 1972 | Biology and Religion |
| Stanford School of Medicine, Stanford, CA | MD | 1977 | Medicine |
| Yale Univ School of Medicine, New Haven, CT | | 1980 | Psychiatry |
| University of Birmingham, Birmingham, UK | | 1983 | Biometrical Genetics |

A. Positions and Honors**Positions**

- 1980-1983 Assistant Professor, Mt. Sinai School of Medicine, Dept of Psychiatry, New York, NY
 1981-1983 Research Associate, Bronx VA Medical Center, Mt. Sinai School of Medicine, Dept of Psychiatry, NY
 1983-1987 Associate Professor, Depts. Of Psychiatry and Human Genetics, Medical College of Virginia of Virginia Commonwealth University, Richmond, VA
 1987-present Associate Professor, Depts of Psychiatry and Human Genetics, Medical College of Virginia
 1996-present Director, Virginia Institute for Psychiatric and Behavioral Genetics (with L.J. Eaves)

Honors

- 1984-1987 Member, American Psychiatric Association Work Group to Revise DSM-III
 1988- Member, American Psychiatric Association Task Force on DSM-IV
 1995 Lieber Prize for Outstanding Research in Schizophrenia (NARSAD)
 1995- Member, Scientific Council, National Alliance for Research on Schizophrenia & Depression (NARSAD)
 1996- Member, National Institute of Mental Health Intramural Research Program (IRP) Planning Committee
 1997 Anna-Monika Foundation, 1st Prize for outstanding contributions to research on depression
 1998 Stanley R. Dean Award, Amer Coll of Psych, for major contributions to understanding schizophrenia disorders
 1998 Kurt Schneider Scientific Award for exceptional scientific achievement in schizophrenia
 1999 Honorary Doctor of Science from The University of Birmingham, Birmingham, England
 1999 Member, Institute of Medicine, National Academy of Science
 2000 Science Watch: 2nd most frequently cited author of high-impact papers in psychiatry, 1990-98
 2000 Edward Strecker Award for outstanding contributions to psychiatric care and treatment
 2001 Fundacion Castillo del Pino Award for outstanding achievement in psychiatry
 2001 Edward J. Sachar Award for outstanding contributions to psychiatric research
 2001 Thomas Salmon Lecturer Award for distinguished service in psychiatry

B. Selected Peer-Reviewed Publications

Dr. Kendler has participated in the preparation and publication of over 365 papers, chapters and reviews, of which the following are a sample:

- Asarnow RF, Nuechterlein KH, Fogelson D, Subotnik KL, Payne DA, Russell AT, Asamen J, Kuppinger H, Kendler KS(2001) Schizophrenia and schizophrenia-spectrum personality disorders in the first-degree relatives of children with schizophrenia: the UCLA family study. *Arch Gen Psychiatry* **58**:581-588
 Fanous A, Gardner C, Walsh D, Kendler KS(2001) Relationship between positive and negative symptoms of schizophrenia and schizotypal symptoms in nonpsychotic relatives. *Arch Gen Psychiatry* **58**:669-673
 Hettema JM, Neale MC, Kendler KS(2001) A review and meta-analysis of the genetic epidemiology of anxiety disorders. *Am J Psychiatry* **158**:1568-1578

- Kendler KS, Myers J, Prescott CA, Neale MC(2001) The genetic epidemiology of irrational fears and phobias in men. *Arch Gen Psychiatry* **58**:257-265
- Kendler KS, Aggen SH(2001) Time, memory and the heritability of major depression. *Psychol Med* **31**:923-928
- Kendler KS (2001) Family history information in biomedical research. *J Cont Educ Health Professions* **21**:215-223
- Kendler KS (2001) Twin studies of psychiatric illness: an update. *Arch Gen Psychiatry* **58**:1005-1014
- Kendler KS, Gardner CO.(2001) Monozygotic twins discordant for major depression: a preliminary exploration of the role of environmental experiences in the aetiology and course of illness. *Psychol Med* **31**:411-423
- Kendler KS(2001) A psychiatric dialogue on the mind-body problem. *Am J Psychiatry* **158**:989-1000
- Prescott CA, Kendler KS(2001) Early age at first alcoholic drink. *Am J Psychiatry* **158**:1530
- Sullivan PF, O'Neill FA, Walsh D, Ma Y, Kendler KS, Straub RE(2001) Analysis of epistasis in linked regions in the Irish study of high-density schizophrenia families. *Am J Med Genet* **105**:266-270
- Wade TD, Kendler KS(2001) Parent, child, and social correlates of parental discipline style: a retrospective, multi-informant investigation with female twins. *Social Psychiatry & Psychiatric Epidemiology* **36**:177-185
- Agrawal A, Jacobson KC, Prescott CA, Kendler KS(2002) A twin study of sex differences in social support. *Psychol Med* **32**:1155-1164
- Bulik CM, Sullivan PF, Kendler KS(2002) Medical and psychiatric morbidity in obese women with and without binge eating. *Int J Eating Disorders* **32**:72-78
- Fanous A, Gardner CO, Prescott CA, Cancro R, Kendler KS(2002) Neuroticism, major depression and gender: a population-based twin study. *Psychol Med* **32**:719-728
- Jacobson KC, Prescott CA, Kendler KS(2002) Sex differences in the genetic and environmental influences on the development of antisocial behavior. *Development & Psychopathology* **14**:395-416
- Kendler KS, Neale MC, Thornton LM, Aggen SH, Gilman SE, Kessler RC(2002) Cannabis use in the last year in a US national sample of twin and sibling pairs. *Psychol Med* **32**:551-554
- Kendler KS, Sheth K, Gardner CO, Prescott CA(2002) Childhood parental loss and risk for first-onset of major depression and alcohol dependence: the time-decay of risk and sex differences. *Psychol Med* **32**:1187-1194
- Kendler KS, Gardner CO, Prescott CA(2002) Toward a comprehensive developmental model for major depression in women. *Am J Psychiatry* **159**:1133-1145
- Kendler KS, Prescott CA, Jacobson K, Myers J, Neale MC(2002) The joint analysis of personal interview and family history diagnoses: evidence for validity of diagnosis and increased heritability estimates. *Psychol Med* **32**:829-842
- Kendler KS, Myers J, Prescott CA(2002) The etiology of phobias: an evaluation of the stress-diathesis model. *Arch Gen Psychiatry* **59**:242-248
- Kendler KS, Jacobson KC, Myers J, Prescott CA(2002) Sex differences in genetic and environmental risk factors for irrational fears and phobias. *Psychol Med* **32**:209-217
- Kendler KS(2002) Hierarchy and heritability: the role of diagnosis and modeling in psychiatric genetics. *Am J Psychiatry* **159**:515-518
- Khan AA, Gardner CO, Prescott CA, Kendler KS(2002) Gender differences in the symptoms of major depression in opposite-sex dizygotic twin pairs. *Am J Psychiatry* **159**:1427-1429
- Levinson DF, Holmans PA, ..., Kendler KS, Mallet J, Crowe RR, Walters M(2002) No major schizophrenia locus detected on chromosome 1q in a large multicenter sample. *Science* **296**:739-741
- Nuechterlein KH, Asarnow RF, Subotnik KL, Fogelson DL, Payne DL, Kendler KS, Neale MC, Jacobson KC, Mintz J(2002) The structure of schizotypy: relationships between neurocognitive and personality disorder features in relatives of schizophrenic patients in the UCLA Family Study. *Schizophrenia Research* **54**:121-130
- Siever LJ, Torgersen S, Gunderson JG, Livesley WJ, Kendler KS(2002) The borderline diagnosis III: identifying endophenotypes for genetic studies. *Biological Psychiatry* **51**:964-968
- Straub RE, Jiang Y, MacLean CJ, Ma Y, Webb BT, Myakishev MV, Harris-Kerr C, Wormley B, Sadek H, Kadambi B, Cesare AJ, Gibberman A, Wang X, O'Neill FA, Walsh D, Kendler KS(2002) Genetic variation in the 6p22.3 gene DTNBP1, the human ortholog of the mouse dysbindin gene, is associated with schizophrenia. *Am J Hum Genet* **71**:337-348
- Straub RE, MacLean CJ, Ma Y, Webb BT, Myakishev MV, Harris C, Wormley B, Sadek H, Kadambi B, O'Neill FA, Walsh D, Kendler KS(2002) Genome-wide scans of three independent sets of 90 Irish multiplex schizophrenia families and follow-up of selected regions in families provides evidence for multiple susceptibility genes. *Molec Psychiatry* **7**:542-559
- Sullivan PF, Prescott CA, Kendler KS(2002) The subtypes of major depression in a twin registry. *J Affective Disorders* **68**:273-284

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.

R25 CA93423 Fries (PI) 09/01/02 - 08/31/07 Co-I

NIH/NCI

Pre- & Post-doctoral Training Program in Cancer Control

This application seeks support for a team-oriented, multidisciplinary and collaborative training program for 4 pre-doctoral and 4 post-doctoral research positions in cancer control, including public health, prevention, genetic and clinical research.

R01 DA11287 Kendler (PI) 06/15/98 - 05/30/03 PI

NIH/NIDA

A Twin-Family Study of Drug Use, Abuse and Dependence

This is a revision of a grant to collect and analyze data on the use and abuse of nicotine, caffeine, cannabis, cocaine and stimulants in a sample of adult twin pairs from the Virginia Twin Registry

T32 MH20030 Neale (PI) 07/01/99 - 06/30/04 Co-I

NIH/NIMH

Research Training in Psychiatric and Statistical Genetics

This application requests five years of support for an Institutional National Research Service Award to support multidisciplinary training in Psychiatric and Behavioral Genetics.

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

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 MH45712 Asarnow (PI) 04/01/00 - 03/31/05 subcontract PI

NIH/NIMH

Familial Psychiatric Disorder & Attention in Schizophrenia

This project will replicate and extend important findings from the first phase of this project indicating that there is a significantly increased familial aggregation of schizophrenia, schizophrenia spectrum personality disorders, and a certain neurocognitive impairments in families of probands with childhood-onset schizophrenia compared to families of community control and adult on-set schizophrenia probands.

R01 MH/AA49492 Kendler (PI) 12/01/01 - 11/30/05 PI

NIH/NIMH

The Epidemiology of Mood, Anxiety and Alcohol Disorders

This proposal, which is a competitive renewal of a large-scale, population based, longitudinal study of female-female, male-male and male-female twin pairs ascertained through the birth certificate based Virginia Twin Registry, requests funds to support further data analysis focused on understanding sex differences in risk for MD.

R01 MH49716 Nuechterlein (PI) 12/01/01 - 11/30/06 subcontract PI

NIH/NIMH

The Transmission of Vulnerability Factors for Schizophrenia (Subcontract)

This is a competitive renewal that is designed to test key hypotheses regarding the transmission of factors believed to contribute to proneness to schizophrenia.

R01 MH62276 Levinson (PI) 09/01/00 - 08/31/03 Co-I
 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.

R01 MH62368 Silberg (PI) 09/28/01 - 08/31/06 Co-I
 NIH/NIMH
 Parental Effects on Depression and Disruptive Behavior in Children of Twins
 The major goal of this study is to analyze the non-genetic contributions of family background to risk to childhood and adolescent depression.

R01 MH65320 Van den Oord (PI) 12/01/02 - 11/30/05 Co-I
 NIH/NIMH
 Candidates Genes in Models of Mental Health
 The overall aim of this project is to facilitate the integration of measured genotypes in etiological models of behavioral traits and psychiatric disorders.

R01 MH65322 Neale (PI) 02/01/03 - 01/31/08 Co-I
 NIH/NIMH
 Psychopathology: Models, Measurement and Classification
 The long term goals of the project are to improve the efficiency of measurement, nosology, and knowledge of the etiology of common psychiatric disorders and their ubiquitous comorbidity.

VTSF #8520012 Kendler (PI) 12/01/01 - 06/30/04 PI
 Virginia Tobacco Settlement Foundation
 Candidate Genes for Nicotine Dependence in Humans
 The goal is to identify and characterize the individual genes that determine vulnerability to nicotine dependence

Completed

R01 AA11408 Kendler (PI) 09/25/97 - 08/31/02 PI
 NIH/NIAAA
 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

R01 DA010228 Kendler (PI) 09/30/95 - 07/31/01 PI
 NIH/NIMH
 Detecting susceptibility genes for nicotine addiction
 This project seeks to identify regions of the human genome that contain genetic loci that influence the susceptibility to cigarette smoking (CS) and nicotine dependence (ND).

R24 MH54150 Kendler (PI) 09/01/96 - 08/31/02 PI
 NIH/NIMH
 Psychiatric Genetic Epidemiology
 To establish a multi disciplinary, integrated research program in the Genetic Epidemiology of Psychiatric Illness in the Departments of Human Genetics and Psychiatry at the Medical College of Virginia.

R29 MH55557 Silberg (PI) 08/01/97 - 07/31/02 Co-I
 NIH/NIMH
 Pathways to Adult Psychopathology: A Study of Etiological Factors
 The major goals of this project are to examine the influence of genetic and environmental factors in the development and

persistence of psychiatric problems in young adulthood.

Pending

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

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 PI

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

The aim is to sequence high and low risk haplotype groups to identify causal mutations in the dystrobrevin gene on chromosome 6