

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.**

All-Purpose Bio

NAME Kenneth S. Kendler		POSITION TITLE 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, Virginia Commonwealth University Health Services, Richmond, VA.
 1987 - Professor, Depts of Psychiatry and Human Genetics, Virginia Commonwealth University
 1996 - 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, Nat'l Alliance for Research on Schizophrenia & Depression (NARSAD)
 1996 - Member, Nat'l 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
 2003 Editor, Psychological Medicine
 2003 Erik Stromgren medal, Stromgren Foundation - Denmark
 2003-2004 Fritz Redlich Fellow at the Center for Advanced Study in the Behavioral Sciences
 2005 Myself Lecturer, Harvard University
 2005 Member, International Editorial Board for the British Journal of Psychiatry

B. Selected peer-reviewed publications (in chronological order).

Dr. Kendler has authored or co-authored over 425 publications, of which the following are a representative sample of his work focused on drug use and abuse.

- Kendler KS, Karkowski LM, Corey LA, Prescott CA, Neale MC (1999). Genetic and environmental risk factors in the aetiology of drug initiation and subsequent misuse in women. *British Journal of Psychiatry* 175:351-356
- Hettema JM, Corey LA, Kendler KS (1999). A multivariate genetic analysis of the use of tobacco, alcohol and caffeine in a population based sample of male and female twins. *Drug and Alcohol Dependence* 57:69-78
- Kendler KS, Neale MC, Sullivan PF, Corey LA, Gardner CO Jr, Prescott CA (1999). A population-based twin study in women of smoking initiation and nicotine dependence. *Psychological Medicine* 29:299-308
- Sullivan PF, Kendler KS (1999). The genetic epidemiology of smoking. *Nicotine and Tobacco Research* 1:S51-S57
- Silverman MA, Neale MC, Sullivan PF, Harris-Kerr C, Wormley B, Sadek H, Ma Y, Kendler KS, Straub RE (2000). Haplotypes of four novel single nucleotide polymorphisms in the nicotinic acetylcholine receptor $\alpha 2$ -subunit (CHNB2) gene show no association with smoking initiation or nicotine dependence. *American Journal of Medical Genetics* 96:646-653
- Sullivan PF, Neale MC, Silverman MA, Harris-Kerr C, Myakishev MV, Wormley B, Webb VT, Ma Y, Kendler KS, Straub RE (2001). An association study of DRD5 with smoking initiation and progression to nicotine dependence. *American Journal of Medical Genetics (Neuropsychiatric Genetics)* 105:259-265
- Kendler KS, Jacobson KC, Prescott CA, Neale MC (2003). Specificity of genetic and environmental risk factors for the illicit use and abuse/dependence of cannabis, cocaine, hallucinogens, sedatives, stimulants and opiates. *American Journal of Psychiatry*. 160:687-695
- Hettema JM, Prescott CA, Kendler KS (2003). The effects of anxiety, substance use and conduct disorders on risk of major depressive disorder. *Psychological Medicine* 33(8):1423-32
- Kendler KS, Prescott CA, Myers J, Neale MC (2003). The structure of genetic and environmental risk factors for common psychiatric and substance use disorders in men and women. *Archives of General Psychiatry* 60:929-937
- Agrawal A, Neale MC, Prescott CA, Kendler KS (2004). Cannabis and other illicit drugs: comorbid use and abuse/dependence in males and females. *Behavior Genetics* 34(3):217-228
- Agrawal A, Jacobson KC, Gardner CO, Prescott CA, Kendler KS (2004). A twin study of personality and illicit drug use and abuse/dependence. *Twin Research* 7(1):72-81
- Agrawal A, Neale MC, Prescott CA, Kendler KS, (2004). A twin study of early cannabis use and subsequent use and abuse/dependence of other illicit drugs. *Psychological Medicine* 34:1227-1237
- Agrawal A, Neale MC, Jacobson KC, Prescott CA, Kendler KS, (2004). Illicit drug use and abuse/dependence: modeling of two-stage variables using the CCC approach. *Addictive Behaviors* (in press)
- Kendler KS, Aggen SH, Prescott CA, Jacobson KC, Neale MC (2004) Level of family dysfunction and genetic influences on smoking in women. *Psychological Medicine* 34:1263-1269
- Maes HH, Sullivan PF, Bulik CM, Neale MC, Prescott CA, Eaves LJ, Kendler KS (2004) A twin study of genetic and environmental influences on tobacco initiation, regular tobacco use and nicotine dependence. *Psychological Medicine* 34:1251-1261
- Chen X, Wu B, Kendler KS (2004). Association study of the Epac gene and tobacco smoking and nicotine dependence. *American Journal of Medical Genetics* 129B(1):116-9
- Vink JM, Been AL, Posthuma D, Neale MC, Willemsen G, Kendler KS, Slagboom PE, Boomsma DI. (2004). Linkage analysis of smoking initiation and quantity in Dutch sibling pairs. *Pharmacogenomics Journal* 4(4):274-82
- Sullivan PF, Neale MC, Van den Oord E, Miles MF, Neale MC, Bulik CM, Joyce PR, Straub RE, Kendler KS (2004) Candidate genes for nicotine dependence via linkage, epistasis, and bioinformatics. *American Journal of Medical Genetics*. 126B(1):23-36
- Agrawal A, Prescott CA, Kendler KS, (2004). Forms of cannabis and cocaine: A twin study. *American Journal Of Medical Genetics*. 129B(a):125-8

**C. Research Support****Kendler, Kenneth S.**

Active

1 RO1DA11287-01A1(Kendler) 6/15/98-5/30/04

NIDA \$442,949

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

5 RO1MH41953 (Kendler) 4/1/99-2/28/04

NIMH \$813,339

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.

1 T32 MH20030 (Neale) 7/1/99-6/30/04

NIH/NRSA \$149,993

Research Training: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. *No Salary

2 RO1 MH/AA 49492 (Kendler) 12/01/01-11/30/05

NIH/NIMH \$1,450,000

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.

1 R01 MH62368-01 (Silberg, J.L.) 9/28/01 - 11/30/06

NIH/NIMH \$523,017

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.

5-36386E (Levenson) 9/1/00-8/31/03

University of Pennsylvania \$159,600

Multicenter Genetic Studies of Schizophrenia

This grant will investigate schizophrenia candidate regions in eight samples

Submitted 7/1/01 (Prescott) 09/01/02-08/31/06

NIMH/NIAAA \$2,703,462

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.

5 RO1 MH49716 (Nuechterlein) 12/1/01-11/30/06



NIH/NIMH

\$429,588

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.

5R01MH45712 (Asarnow)

4/1/00-3/31/05

NIMH

\$722,023

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 MH65322 (Neale)

12/01/02-11/30/07

NIH/NIMH

\$2,182,452

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.

1 R01 MH065320-01 A1 (Van den Oord)

12/1/02-11/30/05

NIH

\$1,012,500

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

1R01MH068643-01A1 (Kendler)

05/18/04-02/29/08

NIMH

\$314,939

Axis I & II Psychiatric Disorders in Norwegian Twins

The goal of this application is to conduct detailed analysis of a population based study of young adult twins in Norway.