

BIOGRAPHICAL SKETCH

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

NAME Edwin J. C. G. van den Oord, Ph.D.	POSITION TITLE Associate Professor		
EDUCATION/TRAINING (<i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.</i>)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Physical Education, Amsterdam	BA	1985	Physical Education
University of Amsterdam	MA	1991	Statistics
Erasmus University, Rotterdam	Ph.D	1993	Psychiatric Genetics

NOTE: The Biographical Sketch may not exceed four pages. Items A and B (together) may not exceed two of the four-page limit. Follow the formats and instructions on the attached sample.

A. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

1991: Cum Laude, Statistics and Research Methods, University of Amsterdam
 1991-1993: Research associate, Department of Child and Adolescent Psychiatry, University Rotterdam, and the Netherlands Twin Register, Free University, Amsterdam
 1993: Young Investigator Award from International Society of Psychiatric Genetics.
 1993-1995: Head expenditure research section, TelePanel Research Centre, Department of Statistics and Research Methods, University of Amsterdam
 1995-1997: Assistant professor, Department of Child and Adolescent Psychology, Utrecht University, Utrecht
 1997: Research fellowship European Science Foundation
 1997-1998: Research fellow, Department of Child and Adolescent Psychiatry, Institute of Psychiatry, London
 1999-2001: Assistant professor, Department of Child and Adolescent Psychology, Utrecht University, Utrecht
 2001-present: Associate professor, Virginia Inst. Psychiatric and Behavioral Genetics, VCU.
 2002 Independent Investigator Award from NARSAD
 2003 Fulker award for best article in 2002 in Behavior Genetics

B. Selected peer-reviewed publications – DO NOT EXCEED 2 PAGES

---- selection of recent papers from years 2000-present --

Cleveland, H. H., Wiebe, R. P., **Van den Oord, E. J. C. G.**, & Rowe, D. C. (2000). Behavior problems among children from different family structure. *Child Development*, 71, 733-751.
 Rodgers, J. L., Cleveland, H. H., **Van den Oord, E. J. C. G.**, & Rowe, D. C. (2000). Resolving the debate over birth order, family size, and intelligence. *American Psychologist*, 55, 599-612.
Van den Oord, E. J. C. G. (2000). Some principles for modelling genotype-environment correlations and interactions with quantitative trait loci. *Genescreen*, 1, 97-100.
Van den Oord, E. J. C. G. (2000). A framework for identifying quantitative trait loci in association studies using structural equation modeling. *Genetic Epidemiology*, 18, 341-359.
Van den Oord, E. J. C. G. (2000). The use of mixture models to perform quantitative tests for linkage disequilibrium, maternal effects, and parent-of-origin effects with incomplete subject-parent triads. *Behavior Genetics*, 30, 335-343.
Van den Oord, E. J. C. G., & Rowe, D. C. (2000). Racial differences in birth health risk: A quantitative genetic approach. *Demography*, 37, 285-298.
Van den Oord, E. J. C. G., & Vermunt, J. K. (2000). Testing for linkage disequilibrium, maternal effects, and imprinting with (in)complete case-parent triads, by use of the computer program LEM. *American Journal of Human Genetics*, 66, 335-338.
Van den Oord, E. J. C. G., Boomsma, D.I., & Verhulst, F.C. (2000). A study of genetic and environmental effects on the co-occurrence of problem behaviors in three-year-old twins. *Journal of Abnormal Psychology*, 109, 360-372.

- Van den Oord, E. J. C. G.**, Rispens, J., Goudena, P. P., & Vermande M (2000). Some developmental implications of structural aspect of preschoolers' relations with classmates. *J of Applied Developmental Psychology*, 21, 619-639.
- Van den Oord, E.J.C.G.**, Simonoff E., Eaves L., Pickles A., Silberg J., Maes H. (2000). An evaluation of different approaches for behavior genetic analyses with psychiat. symptom scores. *Behav Genet*, 30, 1-18.
- Vermande, M., **Van den Oord, E. J. C. G.**, Rispens, J., & Goudena, P. P. (2000). Structural characteristics of aggressor-victim relationships in Dutch school classes of 4- to 5-year olds. *Aggressive Behavior*, 26, 11-31.
- Gerrits, M. H., **Van den Oord, E. J. C. G.**, & Voogt, R. (2001). An evaluation of nonresponse bias in peer, self and teacher ratings of children's psychosocial adjustment. *J Child Psychology and Psychiatry*, 42, 593-602.
- Rodgers, J. L., Cleveland, H. H., **Van den Oord, E. J. C. G.**, & Rowe, D. C. (2001). Birth order and intelligence: Together again for the last time? *American Psychologist*, 56, 523-524.
- Van der Valk, J. C., **Van den Oord, E. J. C. G.**, Verhulst, F. C., & Boomsma, D. I. (2001). Using parental ratings to study the etiology of 3-year-old twins' problem behaviors: different views or rater bias? *Journal of Child Psychology and Psychiatry*, 42, 921-931.
- Van den Oord, E. J. C. G.** (2001). Estimating effects of latent and measured genotypes in multilevel models. *Statistical methods in Medical Research*, 10, 393-407.
- Van den Oord, E. J. C. G.** & Rowe, D. C. (2001). A step in another direction: Looking for maternal genetic and environmental effects on racial differences in birth weight. *Demography*, 38, 573-576.
- Dekkers, J., Snieder, H., **Van den Oord, E.JCG**, & Treiber, F. (2002). Moderators of blood pressure development from childhood to adulthood: A 10-year longitudinal study. *Pediatrics*, 141, 770-779.
- Dekkers, J., Treiber, F., Kapuku, G., **Van den Oord, E. J. C. G.**, & Snieder, H. (2002). Growth of left ventricular mass from childhood to early adulthood in African-American and European American youth. *Hypertension*, 39, 943-951.
- Van den Oord, E. J. C. G.** & Snieder, H. (2002). Including measured genotypes in statistical models to study the interplay of multiple factors affecting complex traits. *Behavior Genetics*, 32, 1-19.
- Van den Oord, E. J. C. G.** & Van Rossem, R. (2002). Differences in first graders' school adjustment: The role of classroom characteristics and social structure of the group. *Journal of School Psychology*, 40, 371-394.
- Van den Oord, E. J. C. G.** (2002). Association studies in psychiatric genetics: What are we doing? *Molecular Psychiatry*, 7, 827-830.
- Sullivan, P. F., Neale, B., Neale, M., **Van den Oord, E. J. C. G.**, & Kendler, K. S. (2003). Multipoint and single point non-parametric linkage analysis with imperfect data. *Am. Journal of Medical Genetics 121B*, 89-94.
- Van den Oord, E. J. C. G.**, Jiang, Y., Riley, B. P., Kendler, K. S., & 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, E. J. C. G.**, Pickles, A. P., & Waldman, I. D. (2003). Normal variation and abnormality: An empirical study of the liability distributions underlying depression and delinquency. *J Child Psychol and Psychiatry*, 43, 180-192.
- Van den Oord, E. J. C. G.** & Sullivan, P. F. (2003). False discoveries and models for gene discovery. *Trend In Genetics*, 19, 537-542.
- Van den Oord, E. J. C. G.**, Sullivan, P. F., Jiang, Y., Walsh, D., Kendler, K. S., & Riley, B. P. (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.
- Van der Valk, J. C., **Van den Oord, E. J. C. G.**, Verhulst, F. C., & Boomsma, D. I. (2003). Using shared and unique parental views to study the etiology of 7-year-old twins' internalizing and externalizing problems. *Behavior Genetics*, 33, 409-420.
- Bartels, M., Hudziak, J. J., **Van den Oord, E. J. C. G.**, Beijsterveldt, C. E. M., Rietveld, M. J. H., & Boomsma, D. I. (2003). Co-occurrence of aggressive behavior and rule-breaking behavior at age 12: multi-rater analyses. *Behavior Genetics* 607-621.
- Van der Valk, J. C., **Van den Oord, E. J. C. G.**, Verhulst, F. C., & Boomsma, D. I. (2003) Genetic and environmental contributions to stability and change in children's internalizing and externalizing problems. *Journal of the American Academy of Child and Adolescent Psychiatry*, 42, 1212-1220.
- Bartels, M., Boomsma, D. I., Rietveld, M. J. H., Van Beijsterveldt, C. E., Hudziak, J. J., & **Van den Oord, E. J. C. G.** (2003) Disentangling genetic, environmental, and rater effects on internalizing and externalizing problem behavior in 10-year-old twins. *Journal of the Am Academy of Child and Adolescent Psychiatry*, 11, 1351-1359.
- Van den Oord, E. J. C. G.** & Neale, B.M. (2003) Will haplotype maps be useful for finding genes? *Molecular Psychiatry* Nov 11

C. Research Support. List selected ongoing or completed (during the last three years) research projects (federal and non-federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and your role (e.g. PI, Co-Investigator, Consultant) in the research project. Do not list award amounts or percent effort in projects.

Ongoing:

“Candidate genes in models of mental health”

Principal Investigator: Edwin J. C. G. van den Oord

Agency: NIH

Type: R01 MH/HD65320-01 – Period December 1, 2002 to November 31, 2005

The goal of this project is include candidate genes in models of mental health.

“Exploring the use of Haplotype Maps to Detect Susceptibility Genes for Schizophrenia

Principal Investigator: Edwin J. C. G. van den Oord

Agency: NARSAD

Type: Independent Investigator Award – Period September 1, 2002 to August 31, 2004

The aim is to develop and test a method that uses haplotype maps to detect genes for schizophrenia on chromosome 22.

“The Genetic Epidemiology of Psychiatric and Respiratory Phenotypes”

Principal Investigator: Edwin J. C. G. van den Oord

Agency: GlaxoSmithKline

Type: Grant – Period December 18, 2003 to December 17 2005

The aim is to analyze complex large scale genetic epidemiological data with novel statistical methods to produce new phenotype and genetic understanding of psychiatric and respiratory phenotypes.

“An Irish Affected Sib Pair Study of Alcohol Dependence”

Principal Investigator: Carol A. Prescott; Co-investigator: Edwin J. C. G. van den Oord

Agency: NIH

Type: R01 AA11408-06. Period September 1, 2002 to August 31, 2006

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

“Candidate Genes for Nicotine Dependence in Humans”

Principal Investigator: Kenneth S. Kendler; Co-investigator: Edwin J. C. G. van den Oord

Agency: Tobacco Settlement Foundation

The goal is to identify and characterize the individual genes that determine vulnerability to nicotine dependence

“The Genetic Epidemiology of Schizophrenia in Ireland”

Principal Investigator: Kenneth S. Kendler; Co-investigator: Edwin J. C. G. van den Oord

Agency: NIH (Competitive Supplement)

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

Pending:

“Clinical Outcome Study of Autism Genetics”

Principal Investigator: B. Riley; Co-investigator: Edwin J. C. G. van den Oord

Agency: NIH

Type: R01

The goal of this project is to detect the genomic location of susceptibility loci for autism

“Susceptibility loci for schizophrenia on chromosome 5

Principal Investigator: Sam Chen; Co-investigator: Edwin J. C. G. van den Oord

Agency: NIH

The aim is to find susceptibility loci for schizophrenia on chromosome 5

Completed:

“Social Development: Longitudinal aspects of group processes”

Principal Investigator: Edwin J.C.G. van den Oord

Agency: Dutch Science Foundation (NWO)

Type: 575-28-13. Period January 15, 1999 to January 14, 2003

The goal of this project is to use social network analyses to examine how group structures affect psychosocial functioning in schools.

“Utrecht Study of Adolescent Development 2”

Principal Investigator: Wim Meeus; Co-investigator: Edwin J. C. G. van den Oord

Agency: Utrecht University

Type: Social Cohesion Fund. Period January 1, 2000 to January 1, 2006

The aim of this project is to study the role of parents and peers on behavioral problems and academic achievement in adolescents in a longitudinal perspective.

“Influence and selection in peer groups and adolescent risk behaviors”

Principal Investigator: Rutger Engels; Co-investigator: Edwin J. C. G. van den Oord

Agency: Dutch Science Foundation/ Institute for the Study of Education and Development

Type: 490 00 204. Period January 1, 2000 to December 31, 2001

The goal of this project is to examine whether homogeneity in risk behavior of adolescents and their health outcomes is caused by peer influence or selection.

“Genetics of externalizing disorders in children”

Principal Investigator: Frank C. Verhulst; Co-investigator: Edwin J. C. G. van den Oord

Agency: Dutch Science Foundation

Type: 904-57-94. Period January 1, 1999 to December 31, 2003

This project aims at studying the genetic basis of externalizing disorders in children.

“Developmental functions of secrecy”

Principal Investigator: Catrin Finkenauer. Co-PI: Edwin J. C. G. van den Oord

Agency: Dutch Science Foundation (NWO)

Type: 425-20-701. Period November 1, 2000 to October 31, 2005

The aim of the project is study developmental and psychosocial correlates of secrets kept by adolescents.

“The genetic contribution to children's problem behaviors: A developmental approach”

Principal Investigator: Frank C. Verhulst; Co-investigator: Edwin J. C. G. van den Oord

Agency: Sophia Foundation for Medical Research, Social Science Research Foundation

Type: M165 Period January 1, 1996 to December 31, 1999

This project uses twin to study genetic and environmental contributions to the persistence and changes in problems behaviors.