CURRICULUM VITAE

October 18, 2024

Name: Eric Boerwinkle

Present Title: Dean, UTHealth School of Public Health
M. David Low Chair in Public Health
Kozmetsky Family Chair in Human Genetics
Professor, Human Genetics Center and Dept. of Epidemiology
Associate Director, Human Genome Sequencing Center at BCM

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Houston, Texas 77030
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Undergraduate Education:

University of Cincinnati, Ohio 1980
B.S. in Biology

Graduate Education:

University of Michigan, Michigan 1984
M.A. in Statistics

University of Michigan, Michigan 1985
M.S. in Human Genetics

University of Michigan, Michigan 1985
Ph.D. in Human Genetics

Thesis Title: The Use of Measured Genotype Information in the Genetic Analysis of Quantitative Phenotypes

Academic Appointments:

University of Cincinnati, Cincinnati, Ohio
Research Associate, Hoake S. Green Laboratory of Catalysis 1978-80
Department of Chemistry

University of Michigan, Ann Arbor, Michigan
Graduate Research Fellow 1980-85
Department of Human Genetics

Senior Research Associate 1985-86
Department of Human Genetics

The University of Texas Health Science Center at Houston (UTHealth)
Research Assistant Professor 1986-88
Center for Demographic and Population Genetics
Graduate School of Biomedical Sciences

Assistant Professor 1988-91
Human Genetics Center

Graduate School of Biomedical Sciences

Associate Professor 1991-97
Human Genetics Center
School of Public Health

Associate Professor 1996
Institute of Molecular Medicine
Medical School

Professor 1997-present
Human Genetics Center
School of Public Health

Brown Foundation Institute of Molecular Medicine

Center Director 1998-15
Human Genetics Center
School of Public Health

Human Genetics
Brown Foundation Institute of Molecular Medicine

Chair 2003-15
Department of Epidemiology, Human Genetics and Environmental Sciences, School of Public Health

Adjunct Faculty 1999-present
School of Biomedical Informatics

Dean 2016-present
UTHealth School of Public Health

University of Nancy, France 1989-90
Visiting Associate Professor
Faculty of Science

Baylor College of Medicine 1995-present
Adjunct Professor
Department of Medicine

Associate Director, Human Genome Sequencing Center 2011-present

Honors and Awards:

1979	Phi Beta Kappa, University of Cincinnati, Ohio
1984	Rackham Predoctoral Fellowship
1986-1987	Ciba Foundation Bursary Award
1989-1990	Visiting Professorship at the University of Nancy, France
1991-1996	Research Career Development Award, National Institute of Health
1991-1996	Established Investigatorship, American Heart Association
1999-2010	MERIT Award, National Institutes of Health
2003	President's Scholar Award, UTHealth
2004-present	Kozmetsky Family Chair in Human Genetics, UTHealth School of Public Health

2005	Ancel Keys Lecture and Award, American Heart Association
2009	Cozzarelli Prize, National Academy of Science
2013	Article of the Year, *American Journal of Epidemiology*
2014	IT Infrastructure & HPC Best Practices, *Bio-IT World*
2016	M. David Low Chair in Public Health
2016	The University of Texas System Regent's Outstanding Teaching Award in Health

Editorial Positions:

American Journal of Epidemiology	1992-1995
Genetic Epidemiology	1993-2000
Annals of Epidemiology	1995-present
Circulation	1996-2004

Service on National Panels, Study Sections, Committees:

Epidemiology and Disease Control National Institutes of Health	1991-1997
Scientific Advisory Panel for the Center for Preventive Medicine University of Nancy, Nancy, France	1991-1994
Scientific Advisory Panel for Radiation Effects Research Foundation	1998-present
Special Emphasis Panel for National Heart, Lung, and Blood Institute Multiple panels as member and chair	1994-present
Special Emphasis Panel for National Human Genome Research Institute Design of American Gene-Environment Study	2003-2004
Institute of Medicine Committee on Assessing Interactions Among Social, Behavioral, and Genetic Factors in Health	2005
Advisory Council for National Human Genome Research Institute	2007-2009
Board of External Advisors for National Heart Lung and Blood Institute	2004-2018
Advisory Council for National Human Genomer Research Institute	2013-2018
Council of Councils for National Institutes of Health	2016-2018

Service on UTHealth Standing Committees:

Interfaculty Council	1989-1991
MD/PhD Advisory Council	1995-1998
Committee for the Protection of Human Subjects	1996-1998
M. David Low Chair in Public Health, UTHealth School of Public Health	2016-present
UTHealth Leadership Council	2016-present
UTHealth Executive Council	2016-present
UTHealth Executive Budget Council	2016-present

Service on The University of Texas Graduate School of Biomedical Sciences at Houston Faculty Committees:

Member, Curriculum Committee	1990-1992
Chair, Curriculum Committee	1992
Member, GSBS Executive Committee	1992
Member, MD/PhD Advisory Council	1995-1998
Member, Program in Human and Molecular Genetics Exec Committee	1999-2002

<u>Chairman</u> of Student Advisory or Supervisory Committees:

Jing Ping Lin (Ph.D. 1993; National Heart Lung and Blood Institute)
Mark Shriver (Ph.D. 1993; Professor of Anthropology, Penn State University, University Park, PA)
D. Michael Hallman (Ph.D. 1994; Assistant Professor, Human Genetics Center, Dept. Epidemiology, Human Genetics, and Environmental Sciences, UTHealth School of Public Health, Houston, TX, retired)
Myriam Fornage (Ph.D. 1996; Professor and Laurence & Johanna Favrot Professorship Cardiology, Institute for Molecular Medicine, UTHealth, Houston, TX)
Grier Page (M.S./Ph.D. 1996; Senior Statistical Geneticist, RTI International, Atlanta, GA)
Al Biddinger (M.D./Ph.D. 1997; Orthopedic Surgeon, William Beaumont Hospitals)
Ling Chen (Ph.D. 1997; Texas Department of Public Health)
Alanna C. Morrison (Ph.D. 2001; Professor and Chair, Dept. of Epidemiology, Human Genetics and Environmental Sciences and Co-Director, Human Genetics Center, and Thomas Stull Matney, PhD, Endowed Professorship in Environment and Genetic Sciences, UT Health School of Public Health, Houston, TX)
Sharon Johnatty (Ph.D. 2002; University of Florida)
Qiqing Huang (Ph.D. 2003; PRD, Johnson's and Johnson's, Three Bridges, NJ)
Ruth Ann Barkley (Ph.D. 2004)
Emily Ping Wang (2005; Research Associate, Research Center for Human Genetics, Institute for Molecular Medicine, UTHealth, Houston, TX)
Tamra Meyers (Ph.D. 2008; Epidemiologist, Pharmacovigilance Ctr, Office of the Surgeon General, Dept of Army)
Bing Yu (Ph.D. 2013; Associate Professor and JLH Foundation Chair in Transplant Prevention and Co-Director, Human Genetics Center, Dept. Epidemiology, Human Genetics, and Environmental Sciences, UTHealth, School of Public Health, Houston, TX
Yan Zheng (Ph.D. 2013; Research Fellow, Dept. Nutrition, T.H. Chan School of Public Health, Harvard Univ, Boston, MA)
Sminil N. Mahajan (MPH 2013; Regional Director, HIM/CDI, Prime Health Care, Kansas City, MO)
Jorge Del Aguila (M.S. 2012; Ph.D. 2014; Senior Scientist, Merck)
Sepideh Nouri (M.S. 2013; Electrical Engineer and Co-Founder Intelligent Reservoir)
Elizabeth A. Prezio (Ph.D. 2014; Dept. of Social Work, The University of Texas at Austin)
N. Patel (MPH 2015; Pediatric Nephrologist, Cook Children's Health Care System, Dallas Ft. Worth, TX)
Anshuman Sewda (MPH 2011; Ph.D. 2016; Associate Research Scientist, Columbia University, New York City, NY)
Jacy R. Crosby (Ph.D. student; left without degree)
Alexander H. Li (Ph.D. 2015; Senior Scientist, Computational Genetics, Regeneron Pharmaceuticals, Tarrytown, NY)
Zhe Wang (Ph.D.; Postdoctoral Fellow, Dept. Environmental Medicine and Public Health, Icahn School of Medicine at Mount Sinai, New York City, NY)
Cynthia Simmons Bell (Ph.D. 2020; Technical Officer, World Health Organization)
Elena V. Feofanova (Ph.D. 2020; Assistant Professor Non-tenure Instruction, Human Genetics Center, Dept. Epidemiology, Human Genetics, and Environmental Sciences, UTHealth School of Public Health, Houston, TX)

Sponsorship of Postdoctoral Fellows and Visiting Faculty:

Rene Gueguen 1987, 1990 (Centre de Médecine Préventive, Vandoeuvre-les-Nancy, France)
Phillipa Talmud 1990 (Emeritus, Institute of Cardiovascular Science, University Collegeg London)

Sophia Visvikis 1991 (Director INSERM Research Unit, Universite de Lorraine)
Mariza de Andrade 1993 (Professor, Division of Biostatistics, Mayo Clinic, Rochester, MN)
Darrell Ellsworth 1995-1998 (Senior Director, Ingegrative Cardiac Health Program, Windber Research Institute, Windber, PA)
Li Li 1993-1997 (Lark Technologies Inc., Houston, TX)
Irina Volgina 1994-1996 (Baylor College of Medicine, Houston, TX)
D. Michael Hallman 1994-1997 (Assistant Professor, Human Genetics Center, Dept. of Epidemiology, Human Genetics and Environmental Sciences, The University of Texas Health Science Center-Houston, TX, retired)
Myriam Fornage 1998-2000 (Professor and Laurence & Johanna Favrot Professorship in Cardiology, Institute for Molecular Medicine, UTHealth, Houston, TX)
Molly Bray 1998-2000 (Professor and Susan T. Jastrow Human Ecology Chair for Excellence in Nutritional Sciences, Dept of Nutritional Sciences, UT-Austin)
Andrei Rodin 2000-2003 (Dr. Susumo Ohno Chair in Theoretical Biology, Associate Professor, Diabetes and Metabolic Diseases Research, City of Hope, CA)
Lorraine Frazier 2000-2002 (Dean, School of Nursing, Columbia University, NY, NY)
Alanna C. Morrison 2001-2003 (Professor and Chair, Dept. of Epidemiology, Human Genetics and Environmental Sciences and Co-Director, Human Genetics Center, and Thomas Stull Matney, PhD Endowed Professorship in Environment and Genetic Sciences, UTHealth School of Public Health, Houston, TX)
Zhongming Zhao 2001-2003 (Professor and Director, Center for Precision Health, School of Biomedical Informatics and School of Public Health, UTHealth Houston, TX)
Anke Hilse Maitland-van der Zee 2003-2005 (Utrecht University, Rotterdam)
Kelly Volcik 2003-2005 (Senior Research Scientist, Biochemistry and Molecular Biology, UTHealth McGovern Medical School, Houston, TX)
Ruth Ann Barkley 2004-2005 (Research Assistant, Tulane University)
Maja Barbalic 2007-2011 (Faculty, University of Split, School of Medicine, Split, Croatia)
Bing Yu 2013-2015 (Associate Professor and JLH Foundation Chair in Transplant Prevention and Co-Director Human Genetics Center, Dept. of Epidemiology, Human Genetics, and Environmental Sciences, School of Public Health, UTHealth School of Pubilc Health, Houston, TX)
Akram Yazdani 2014-2016 (Assistant Professor, Clinical & Translational Sciences, Dept. Internal Medicine, UTHealth Houston McGoven Medical School)
Azam M. Yazdani 2014-2016 (Assistant Professor of Anaesthesia, Brigham and Women's Hospital)
Linda Polfus 2013-2017 (Principal Investigator, Ambry Genetics, Aliso Viejo, CA)
Elena V. Feofanova 2020-2021 (Assistant Professor Non-Tenure Instruction, Human Genetics Center, Dept. Epidemiology, Human Genetics, and Environmental Sciences, UTHealth School of Public Health, Houston, TX)

Teaching Responsibilities:

Teaching Assistant of Introductory Genetics 1980-81
Division of Biological Sciences
University of Michigan, Ann Arbor, Michigan

Guest Lecturer of Human Population Genetics 1983-85
Department of Human Genetics
University of Michigan, Ann Arbor, Michigan

Lecturer of Medical Genetics 1987-89
The University of Texas Health Science Center at Dallas,
Dallas, Texas

Professor of Genetics and Human Disease 1986-2016
UTHealth, Houston, Texas

Lecturer of Medical Genetics UTHealth, Houston, Texas	1988-96
Lecturer of Genetic Epidemiology UTHealth, School of Public Health, Houston, Texas	1992-
Lecturer of Biologic Science (Genetics Module) UTHealth, School of Public Health, Houston, Texas	1997-2002
Lecturer of Genetics and Human Disease UTHealth, Houston, Texas	2016-

Current Grant Support

Consortium PI	The Atherosclerosis Rick in Communities (ARIC) Study – Coordinating Center 75N92022D00001 (Couper) NIH/NHLBI 11/15/2021 - 11/14/2028
Co-Investigator	Trans-Omics for Precision Medicine (TOPMed) Informatics Research Center (IRC) 268201800002I (Abecasis) HHSN NIH/NHLBI/U. of Michigan 09/15/2017 – 01/31/2025
Principal Investigator	Stay off the List! Phase II: Preventing Transplants with Appropriate Hypertension Intervention John L. Hern (JLH) Foundation 10/15/2018 - 08/31/2025
Consortium PI	ARIC Neurocognitive Study (ARIC-NCS) Renewal U01 HL096812 (mPI, Coresh/Gottesman) NIH/Johns Hopkins University 04/21/2024 – 03/31/2029
Principal Investigator	Texas Coronavirus Antibody Response Surveillance DSHS COVID-19 HHS000866600001 (Boerwinkle) 08/07/2020 - 07/31/2026
Principal Investigator	Texas SARS-CoV-2 Variant Sequencing Project HHS001089700001 (Boerwinkle) Texas Department of State Health Services 09/30/2021 – 05/31/2025
Principal Investigator	The PHIT Workforce Development Program: Creating a diverse and inclusive health information technology (IT) workforce in Texas 90PH0003/01-00 (Boerwinkle and Zhang) DHHS/ONC 09/21/2021 - 09/20/2025
PD/PI	Epidemiology of Venous Thrombosis and Pulmonary Embolism 2R01HL059367 (Tang) NIH/U. Minnesota 03/01/2022 - 02/28/2025
Consortium PI	Identifying Proteomics Risk Markers for Abdominal Aortic Aneurysm R01HL155209 (Tang) NIH/U. Minnesota 11/15/2021 - 06/30/2025

PD/PI	Texas Epidemic Public Health Institute- Wastewater Monitoring Office of the Governor 11/08/2021 - 12/31/2024
Consortium PI	TOPMed Centralized Omics Resource (CORE) HHSN2682016000331 (Gibbs) NIH/NHLBI/Baylor College of Medicine 09/25/2020 –01/31/2025
Consortium PI	Add Health Parent Study: A Biosocial Resource for the Study of Multigenerational Racial/Ethnic Disparities in Alzheimer's Disease and Alzheimer's Disease-Related Dementias (AD/ADRD) 1 R01AG084071-01 (Harris/Perreira) NIH/NHLBI/The University of North Carolina at Chapel Hill 08/15/2023 –04/30/2028

Past Grant Support (grants in which Dr. Boerwinkle is PI or Multi-PI are noted with a **):

National Institutes of Health "Pediatric Epidemiology of CVD Risk Factors"	1990-1995
*National Institutes of Health "Epidemiology of Genotype by Environment Interaction"	1991-1996
*American Heart Association "Role of Genotype by Environment Interaction on CHD Risk"	1991-1996
National Institutes of Health "NIDDM genes in Hispanics, Blacks, and Non-Hispanic Whites"	1993-2005
National Institutes of Health “Atherosclerosis Risk in Communities (ARIC)”	1993-2006
*American Diabetes Association "Genetic Linkage Analysis of NIDDM - Central Data Center"	1993-2002
*National Institutes of Health "Molecular Epidemiology of Essential Hypertension" MERIT Award Winner	1994-2010
*National Institutes of Health, Natl Heart, Lung and Blood Institute “Family Blood Pressure Program (GENOA Network)”	1995-2009
*National Institutes of Health "Genetic Determinants of Essential Hypertension"	1995-2008
National Institutes of Health “CARDIA DNA Laboratory”	1996-2003
National Institutes of Health "Epidemiology of Coronary Calcification"	1996-2001
National Institutes of Health “Epidemiology of Coronary Artery Disease”	1997-2008
National Institutes of Health "Genetic Epidemiology of Response to Antihypertensives"	1996-2007
National Institutes of Health "Genetics of Diabetic Retinopathy"	1998-2003
National Institutes of Health “Development of Linkage and Linkage Disequilibrium”	1998-2002
National Institutes of Health “GenHAT”	1999-2004
National Institutes of Health “Genetic Epidemiology Education R25 Supplement”	1999-2004
*National Institutes of Health “Functional Genomics of Arterial Thrombosis”	2000-2005

National Institutes of Health 2001-2012
"Genetic Approaches to Common Chronic Disease"
National Institutes of Health 2002-2008
"Positional Gene Identification for Complex Traits"
National Institutes of Health, Natl Heart, Lung and Blood Institute 2002-2009
"Inflammation Genomics and Atherosclerosis"
National Institutes of Health 2005-2010
"Genetics Etiology of Sodium-Lithium Countertransport
*National Institutes of Health 2003-2013
"Modeling DNA Diversity in Reverse Cholesterol Transport"
*National Institutes of Health 2004-2009
"Atherosclerosis, Plaque and CVD in Communities"
National Institutes of Health 2005-2010
"Pharmacogenomic Evaluation of Antihypertensive Responses"
*National Institutes of Health 2005-2009
"20 Year Change in Fitness & Cardiovascular Disease Risk"
*National Institutes of Health 2006-2010
"Genome-Wide Association for Loci Influencing CHD and Other Heart, Lung and Blood Phenotypes"
National Institutes of Health 2006-2011
"Center for Clinical and Translational Sciences (CCTS)"
National Institutes of Health 2007-2011
"Genes of the CYP450-Derived Eicosanoids Pathway in Subclinical Atherosclerosis"
*National Institutes of Health 2007-2010
"GWA for Gene Environment Interaction Effects Influencing CHD"
National Institutes of Health, Natl Heart, Lung and Blood Institute 2007-2011
"Genetics of Hypertension Associated Treatments "GenHAT"
National Institutes of Health 2007-2010
"Genome-wide Association Analysis in Essential Hypertension"
*National Institutes of Health 2008-2012
"Genetic Epidemiology of Causal Variants Across the Life Course"
*National Institutes of Health 2009-2012
"Building on GWAS NHLBI diseases: the CHARGE consortium"
National Institutes of Health 2009-2011
"Human Exome Sequencing in Six Well Phenotypes NHLBI Cohorts"
National Institutes of Health 2010-2015
"Atherosclerosis Risk in Communities (ARIC) Study- Morbidity/ Mortality Followup Central Lipid Laboratory"
National Institutes of Health 2011-2015
"The Human Genome Sequencing Center at Baylor College of Medicine"
National Institutes of Health 2011-2019
"Baylor-Johns Hopkins Center for Mendelian Genetics
*National Institutes of Health 2011-2020
*"Baylor-Johns Hopkins Center for Mendelian Genetics"
National Institutes of Health 2012-2018
"Genetic Epidemiology of Causal Variants Across the Life Course Phase 2 (CALiCo 2)"
National Institutes of Health 2012-2019
"Center for Clinical and Translational Sciences
National Institutes of Health 2013-2018
"Unified Statistical Methods for Sequence-Based Association Studies"
*National Institutes of Health 2013-2019
"Epidemiological Research in Autism in Jamaica – Phase II"
*National Institutes of Health 2014-2018

"Rare Variants and NHLBI Traits in Deeply Phenotyped Cohorts"
National Institutes of Health 2014-2018
"Charge Consortium: Gene Discovery for CVD and Aging Phenotypes"
National Institutes of Health 2014-2018
"Sequence-based Discovery of AD Risk & Protective Alleles"
National Institutes of Health 2014-2019
"An Integrated Genetic and Epigenetic Approach to Cerebral Small Vessel Disease"
National Institutes of Health 2015-2020
"DNA Sequencing Support for the eMERGE Network"
National Institutes of Health, Natl Heart, Lung and Blood Institute 2015-2019
"Genetic Studies of the Impact of Hematologic Traits on Cardiovascular Disease"
National Institutes of Health 2015-2020
"DNA Sequencing Support for the eMERGE Network"
National Institutes of Health 2015-2022
"Genomic Architecture of common Disease in Diverse Populations"
National Institutes of Health 2016-2020
"Rare Sequencing Variation and Diabetes Quantitative Traits"
*National Institutes of Health, Natl Heart, Lung and Blood Institute 2016-2022
"Epigenetics of Successful Aging"
National Institutes of Health, Natl Heart, Lung and Blood Institute 2017-2020
"Trans-Omics for Precision Medicine (TOPMed) Informatics Research Center (IRC)"
National Institutes of Health 2017-2022
"Association Analysis of Rare Variants with Sequencing Data
National Institutes of Health 2018-2022
"Preconceptional Health of Latinas and It's Association with Child Adiposity"
National Institutes of Health 2018-2023
"The Add Health Epigenome Resource: Life Course Stressors and Epigenomic Modifications in Adulthood"
National Institutes of Health 2019-2023
"Mitochondrial DNA Copy Number and Sequence Variation in Relation to Age, Metabolic traits, and Alzheimer's Disease Related Phenotypes"
National Institutes of Health, Natl Heart, Lung and Blood Institute 2020-2023
"TOPMed Centralized Omics Resource (CORE)"
**National Institutes of Healath 2021-2023
"ImplementatioN Science for Genomic Health Translation (INSIGHT)"

PUBLICATIONS

1. Kuhlmann E., Boerwinkle E., Orchin O. (1981) Solubilization of Illinois bituminous coal: The critical importance of methylene group cleavage. Fuel 60:1002-1004.
2. Clark R., Boerwinkle E., Brewer G., Sing C.F. (1983) Studies of enzyme polymorphisms in the Kamuela population of D. mercatorum. III. Effects of variation at the GPD locus and subflight stress on the energy charge and glycolytic intermediate concentrations. Genetics 104:661-675.
3. Boerwinkle E., Turner S.T., Sing C.F. (1984) The role of the genetics of sodium lithium countertransport in the determination of blood pressure variability in the population at large. In: The Red Cell, Sixth Ann Arbor Conference: Proceedings of the Sixth international Conference on Red Cell Metabolism and Function. (Brewer G.J., ed.). Alan R. Liss, New York, pp 479-503.
4. Sing C.F., Boerwinkle E. (1985) The genetics of blood pressure variability: An overview. In: Children's Blood Pressure: Report of the Eighty-Eighth Ross Conference on Pediatric Research. (Filer L.J. Jr., Lauer R.M.,

eds.). Ross Laboratories, Columbus, Ohio, pp 35-43.
5. Sing C.F., Boerwinkle E., Moll P.P. (1985) Strategies for elucidating the phenotypic and genetic heterogeneity of a chronic disease with a complex etiology. In: Diseases of Complex Etiology in Small Populations: Ethnic Differences and Research Approaches. (Chakraborty R., Szathmary E.J., eds.). Alan R. Liss, New York, pp 39-66.
6. Turner S.T., Johnson M., Boerwinkle E., Richelson E., Sing C.F. (1985) Sodium-lithium countertransport and blood pressure in healthy blood donors. Hypertension 7:955-962.
7. Sing C.F., Boerwinkle E., Moll P.P. Davignon J. (1985) Apolipoproteins and cardiovascular risk: genetics and epidemiology. Annales de Biologie Clinique 43:407-417.
8. Kuick R., Boerwinkle E., Hanash S.M., Sing C.F. (1986) A statistical analysis of spot variation using the 2-D PAGE method. Comput Biomed Res 19:90-102.
9. Boerwinkle E., Chakraborty R., Sing C.F. (1986) The use of measured genotype information in the analysis of quantitative phenotypes. I. Models and methods. Ann Hum Genet 50:181-194.
10. Richelson E., Snyder K., Carlson J., Johnson M., Turner S., Lumry A., Boerwinkle E., Sing C.F. (1986) Lithium ion transport by erythrocytes of randomly selected blood donors and manic-depressive patients: lack of association with affective illness. Am J Psychiatry 143:457-462.
11. Boerwinkle E., Sing C.F. (1986) Bias in the contribution of single locus effects to the variance of a quantitative trait. Am J Hum Genet 39:137-144.
12. Boerwinkle E., Sing C.F., Hanash S., Siest G. (1986) The analysis of genetic variability using two-dimensional gel electrophoresis. In: Recent Progress in Two Dimensional Electro-phoresis. (Galteau M-M., Siest G., eds.). University of Nancy Press, Nancy, pp 149-157.
13. Sing, C.F. Boerwinkle E., Turner S. (1986) Genetics of primary hypertension. Clin Exp Hypertens Pt. A: Theory and Practice A8(4-5):623-651.
14. Boerwinkle E., Turner S.T., Weinshilboum R. Johnson M., Sing C.F. (1986) Analysis of the distribution of erythrocyte sodium lithium countertransport in a sample representative of the general population. Genet Epidemiol 3:365-378.
15. Boerwinkle E., Visvikis S., Welsh D., Steinmetz J., Hanash S., Sing C.F. (1987) The use of measured genotype information in the analysis of quantitative phenotypes in man. II. The role of the apolipoprotein E polymorphism in determining levels, variability and covariability of cholesterol, betalipoprotein and triglycerides in a sample of unrelated individuals. Am J Med Genet 27:567-582.
16. Turner S.T., Boerwinkle E., Johnson M. Richelson E., Sing C.F. (1987) Sodium-lithium countertransport in ambulatory hypertensive and normotensive patients. Hypertension 9:24-34.
17. Boerwinkle E., Sing C.F. (1987) The use of measured genotype information in the analysis of quantitative phenotypes in man. III. Simultaneous estimation of the frequencies and effects of the apolipoprotein E polymorphism and residual polygenic effects on cholesterol, betalipoprotein, and triglyceride levels. Ann Hum Genet 51:211-226.
18. Sing C.F., Boerwinkle E.A. (1987) Genetic architecture of interindividual variability in apolipoprotein, lipoprotein and lipid phenotypes. In: Molecular Approaches to Human Polygenic Disease. Ciba Foundation Symposium 130. J. Wiley and Sons, Chicester, pp 99-122.
19. Templeton A.R., Boerwinkle E., Sing C.F. (1987) A cladistic analysis of phenotypic associations with haplotypes inferred from restriction endonuclease mapping. I. Basic theory and analysis of alcohol dehydrogenase activity in Drosophilia. Genetics 117:343-351.
20. Boerwinkle E. and Utermann G. (1988) Simultaneous effects of the apolipoprotein E polymorphism on apolipoprotein E, apolipoprotein B, and cholesterol metabolism. Am J Hum Genet 42:104-112.
21. Sing C.F., Boerwinkle E., Moll P.P., Templeton A.R. (1988) Characterization of genes affecting quantitative traits in humans. Proceedings of the 2nd International Conference on Quantitative Genetics. (Weir B., Eisen E.J., Goodman M.M., Namkoong G., eds.). Sinauer Associates Inc., Sunderland, MA, pp 250-269.
22. Yuzbasiyan-Gurkan V., Boerwinkle E., Brewer G. (1988) Linkage of Wilson's disease to chromosome 13 in North American pedigrees. Am J Hum Genet 42:825-829.
23. Menzel H., Boerwinkle E., Schrangl-Will S., Utermann G. (1988) Human apolipoprotein A-IV polymorphism: frequency and effects on lipid and lipoprotein levels. Hum Genet 79: 368-372.
24. Boerwinkle E., Xiong W., Fourest E., Chan L. (1989) Rapid typing of tandemly repeated hypervariable loci by the polymerase chain reaction: application to the apolipoprotein B 3'hypervariable region. Proc Nat Acad Sci USA 86:212-216.
25. Boerwinkle E., Menzel H., Kraft H., Utermann G. (1989) Genetics of the quantitative lp(a) lipoprotein trait. III.

Contribution of lp(a) glycoprotein phenotypes to normal lipid variation. Hum Genet 82:73-78.
26. Boerwinkle E. (1989) Impact of molecular biology on common chronic disease: Present research and future promises. Biologie Prospective Comptes Rendus du 7e Colloque de Pont-a-Mousson. (Galteau M-M., Siest G., Henny J., eds.). John Libbey Eurotext, Paris. pp 135-142.
27. Visvikis S., Steinmetz J., Boerwinkle E., Gueguen R., Galteau M-M., Siest G. (1989) Frequency and effects of the apolipoprotein A-IV polymorphism. Clin Genetics 36:435-441.
28. Utermann G., Hoppichler F., Dieplinger H., Seed M., Thompson G., Boerwinkle E. (1989) Defects in the LDL-receptor gene effect lp(a) lipoprotein levels: multiplicative interaction of two gene loci associated with premature atherosclerosis. Proc Nat Acad Sci USA 86:4171-4174.
29. Boerwinkle E., Chan L. (1989) A three codon insertion/deletion polymorphism in the signal peptide region of the human apolipoprotein B (APOB) gene directly typed by the polymerase chain reaction. Nucleic Acids Res 17:4003.
30. Gueguen R., Visvikis S., Steinmetz J., Siest G., Boerwinkle E. (1989) An analysis of genotype effects and their interactions by using the apolipoprotein E polymorphism and longitudinal data. Am J Hum Genet 45:793-802.
31. Krul E.S., Kinoshita M., Talmud P., Humphries S.E., Brown S., Goldberg A., Cook K., Boerwinkle E., Schonfeld G. (1989) Two distinct truncated apolipoprotein B species in a kindred with hypobetalipoproteinemia. Arteriosclerosis 9:856-868.
32. Brown S.A., Boerwinkle E., Kashanian F.K., Swanson N., Patsch W. (1990) Variation in concentration of lipids, lipoprotein lipids, and apoprotein A-I and B in plasma from healthy women. Clin Chem 36: 207-210.
33. Menzel H-J., Sigurdsson G., Boerwinkle E., Schrangl-Will S., Dieplinger H., Utermann G. (1990) Frequency and effect of human apolipoprotein A-IV polymorphism on lipid and lipoprotein levels in an Icelandic population. Hum Genet 84:344-346.
34. Chan L., Boerwinkle E., Li W-H. (1990) Molecular genetics of the plasma apolipoproteins. In: Molecular Biology of the Cardiovascular System. (Chien S., ed.). Lea & Febiger, Philadelphia, pp 183-219.
35. Visvikis S., Chan L., Siest G., Drouin P., Boerwinkle E. (1990) An insertion/deletion polymorphism in the signal peptide of the human apolipoprotein B gene. Hum Genet 84:373-375.
36. Boerwinkle E., Hixson J.E. (1990) Genes and normal lipid variation. Current Opinion Lipidology 1:151-159.
37. Boerwinkle E., Lee S.S., Butler R., Schumaker V.N., Chan L. (1990) Rapid typing of apolipoprotein B DNA polymorphisms by DNA amplification. Atherosclerosis 81:225-232.
38. Seed M., Hoppichler F., Reaveley D., McCarthy S., Thompson G.R., Boerwinkle E., Utermann G. (1990) Relation of serum lipoprotein(a) concentration and apolipoprotein(a) phenotype to coronary heart disease in patients with familial hypercholesterolemia. New Engl J Med 322:1494-1499.
39. Xu C-F., Boerwinkle E., Tikkanen M.J., Huttunen T.K., Humphries S.E., Talmud P.J. (1990) Genetic variation at the apolipoprotein gene loci contribute to response of plasma lipids to dietary change. Genet Epid 7:261-275.
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