

CURRICULUM VITAE

Name: Eric Boerwinkle

Present Title: Professor, Center and Division Director

Address: Human Genetics Center
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Institute of Molecular Medicine
The University of Texas Health Science Center at Houston
2121 W. Holcombe Blvd.
Houston, Texas 77030

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

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Eric Alan Boerwinkle

Senior Research Associate Department of Human Genetics	1985-86
<i>The University of Texas Health Science Center at Houston</i> Research Assistant Professor Center for Demographic and Population Genetics Graduate School of Biomedical Sciences	1986-88
Assistant Professor Human Genetics Center Graduate School of Biomedical Sciences	1988-91
Associate Professor Human Genetics Center School of Public Health	1991-97
Associate Professor Institute of Molecular Medicine Medical School	1996
Professor Human Genetics Center School of Public Health Brown Foundation Institute of Molecular Medicine	1997-
Center Director Human Genetics Center School of Public Health Human Genetics Brown Foundation Institute of Molecular Medicine	1998-
Director Division of Epidemiology School of Public Health	2003-
<i>University of Nancy, France</i> Visiting Associate Professor Faculty of Science	1989-90
<i>Baylor College of Medicine</i> Adjunct Professor Department of Medicine	1995-

Honors and Awards:

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Eric Alan Boerwinkle

1979	Phi Beta Kappa, University of Cincinnati, Ohio
1984	Rackham Predoctoral Fellowship
1986-87	Ciba Foundation Bursary Award
1989-90	Visiting Professorship at the University of Nancy, France
1991-96	Research Career Development Award from the National Institutes of Health
1991-96	Established Investigatorship of the American Heart Association
1999-2009	MERIT Award, National Institutes of Health
2003	President's Scholar Award
2004	Kozmetsky Family Chair in Human Genetics
2005	Ancel Keys Lecture and Award, American Heart Association

Editorial Positions:

<i>American Journal of Epidemiology</i>	1992-1995
<i>Genetic Epidemiology</i>	1993-2000
<i>Epidemiology</i>	1995-20—
<i>Circulation</i>	1996-2004
<i>Nature Pharmacogenetics</i>	2001-20—

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

Service on The University of Texas Health Science Center Standing Committees:

Interfaculty Council	1989-1991
Scientific Review Committee	1994-
MD/PhD Advisory Council	1995-
Committee for the Protection of Human Subjects	1996-

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Service on Graduate School of Biomedical Sciences Faculty Committees:

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

Chairman of Student Advisory or Supervisory Committees:

Maurita Carrejo (M.S. 1993; Houston Police Department)
Michael Hallman (Ph.D. 1997; University of Texas)
Jing Ping Lin (Ph.D. 1993; National Heart Lung and Blood Institute)
Mark Shriver (Ph.D. 1993; Penn State University)
Myriam Fornage (Ph.D. 1996; University of Texas)
Grier Page (M.S./Ph.D. 1996; University of Alabama)
Al Biddinger (M.D./Ph.D. 1997; William Beaumont Hospitals)
Ling Chen (Ph.D. 1997; Texas Department of Public Health)
Nicole Larson (M.S.; Private Physician)
Alanna Morrison (Ph.D. 2001; University of Texas)
Qiqing Huang (Ph.D. 2003; University of Texas)
Sharon Johnatty (Ph.D. 2002; University of Florida)
Ruth Ann Barkley (Ph.D. 2004)
Michelle A. Mbeo (M.P.H. 2007; Texas Heart Institute)
Tamra Meyers (Ph.D. 2008; Postdoctoral fellowship, NCI, Hormonal and Reproductive
Epidemiology Branch, Div. of Cancer Epidemiology and Genetics)
Jorge del Aguila (current) PhD student
Crosby, Jacy R.(current) PhD student

Sponsorship of Postdoctoral Fellows and Visiting Faculty:

Rene Gueguen 1987, 1990
Phillipa Talmud 1990
Sophia Visvikis 1991
Mariza de Andade 1993 (Division of Biostatistics, Mayo Clinic, Rochester, MN)
Darrell Ellsworth 1993-1995 (Windber Research Institute, Windber, PA)
Li Li 1993-1997 (Lark Technologies Inc., Houston, TX)
Irina Volgina 1994-1996 (Baylor College of Medicine, Houston, TX)
Myriam Fornage 1998-2000 (Institute for Molecular Medicine, Houston, TX)
Molly Bray 1998-2000 (Dept. of Pediatrics, Baylor College of Medicine, Houston, TX)
Lorraine Frazier 2000-2002 (School of Nursing, University of Texas, Houston, TX)
Zhongming Zhao 2001-2003 (Virginia Commonwealth University, Richmond, VA)
Anke Hilse Maitland-van der Zee 2003-2005 (Utrecht University, Rotterdam)
Kelly Volcik 2003-2005 (Assistant Professor, Human Genetics Center, Houston, TX)
Maja Barbalic 2007-Present (Postdoctoral Fellow, Human Genetics Center, Houston,
TX)

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Eric Alan Boerwinkle

Teaching Responsibilities:

Teaching Assistant of Introductory Genetics Division of Biological Sciences University of Michigan, Ann Arbor, Michigan	1980-81
Guest Lecturer of Human Population Genetics Department of Human Genetics University of Michigan, Ann Arbor, Michigan	1983-85
Lecturer of Medical Genetics The University of Texas Health Science Center at Dallas, Dallas, Texas	1987-89
Professor of Introductory Human Genetics for Graduate Students Human Genetics Center The University of Texas Health Science Center at Houston, Houston, Texas	1986-
Lecturer of Medical Genetics The University of Texas Health Science Center at Houston Houston, Texas	1988-96
Lecturer of Genetic Epidemiology The School of Public Health The University of Texas Health Science Center at Houston Houston, Texas	1992-
Lecturer of Biologic Science (Genetics Module) The School of Public Health The University of Texas Health Science Center at Houston Houston, Texas	1997-2002

Grant Support (Brief):

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 "Functional Genomics of Arterial Thrombosis"	2000-2005
National Institutes of Health Atherosclerosis Risk in Communities (ARIC)	1993-2006
American Diabetes Association	1993-2002

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Eric Alan Boerwinkle

"Genetic Linkage Analysis of NIDDM - Central Data Center"	
National Institutes of Health	1994-2009
"Molecular Epidemiology of Essential Hypertension"	
MERIT Award Winner	
National Institutes of Health	1995-2008
"Genetic Determinants of Essential Hypertension"	
National Institutes of Health	1996-2003
"CARDIA DNA Laboratory	
National Institutes of Health	1996-2001
"Epidemiology of Coronary Calcification"	
National Institutes of Health	1997-2008
"Genetic Epidemiology of Coronary Artery Disease"	
National Institutes of Health	1996-2007
"Genetic Epidemiology of Response to Antihypertensives"	
National Institutes of Health	1998-2003
"Genetics of Diabetic Retinopathy"	
National Institutes of Health	1998-2002
"Development of Linkage and Linkage Disequilibrium"	
National Institutes of Health	1999-2004
"GenHAT"	
National Institutes of Health	1999-2004
"Genetic Epidemiology Education R25 Supplement"	
National Institutes of Health	2000-2005
"Functional Genomics of Arterial Thrombosis"	
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	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	2006-2009
"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	2007-2009
"GWA for Gene Environment Interaction Effects Influencing CHD"	
National Institutes of Health, Natl Heart, Lung and Blood Inst.	2002-2009
"Inflammation Genomics and Atherosclerosis"	

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Eric Alan Boerwinkle

National Institutes of Health, Natl Heart, Lung and Blood Inst. 1995-2009
"Family Blood Pressure Program (GENOA Network)"

National Institutes of Health 2005-2010
"Genetics Etiology of Sodium-Lithium Countertransport

National Institutes of Health, Natl Heart, Lung and Blood Inst. 2007-2010
"Genetics of Hypertension Associated Treatment "GenHAT"

National Institutes of Health 2007-2009
"Genome-wide Association Analysis in Essential Hypertension"

National Institutes of Health 2008-2012
"Genetic Epidemiology of Causal Variants Across the Life Course"

PUBLICATIONS

1. Kuhlmann E., Boerwinkle E., and 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., and 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., and 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. Brewer G.J. (ed) Red cell: Sixth Ann Arbor Conference, Alan R. Liss, New York, pp 479-503.
4. Sing C.F. and 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. and Lauer R.M., eds.). Ross Laboratories, Columbus, pp 35-43.
5. Sing C.F., Boerwinkle E., and 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. and Szathmary E.J., eds.). Alan R. Liss, New York, pp 39-66.
6. Turner S.T., Johnson M., Boerwinkle E., Richelson E. and 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., and 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., and 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., and Sing C.F. (1986) The use of measured genotype information in the analysis of quantitative phenotypes. I. Models and methods. Ann Hum Gen 50:181-194.
10. Richelson E., Snyder K., Carlson J., Johnson M., Turner S., Lumry A., Boerwinkle E., and 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. and 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., and Siest G. (1986) The analysis of genetic variability using two-dimensional gel electrophoresis. In: Recent Advances in Two Dimensional Electrophoresis. (Galteau M-M. and Siest G., eds.). University of Nancy Press, Nancy, pp 149-157.
13. Sing, C.F. Boerwinkle E., and 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., and Sing C.F. (1986) Analysis of the distribution of erythrocyte sodium lithium countertransport in a sample representative of the general population. Genet Epid 3:365-378.
15. Boerwinkle E., Visvikis S., Welsh D., Steinmetz J., Hanash S., and 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 trihlycerides in a sample of unrelated individuals. Am J Med Genet 27:567-582.
16. Turner S.T., Boerwinkle E., Johnson M. Richelson E., and Sing C.F. (1987) Sodium-lithium countertransport in ambulatory hypertensive and normotensive patients. Hypertension 9:24-

34.

17. Boerwinkle E., and 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. and Boerwinkle E. (1987) Genetic architecture of interindividual variability in apolipoprotein, lipoprotein and lipid phenotypes. In: Molecular Approaches to Human Polygenic Disease. 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 *Drosophila*. 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., and Templeton A.R. (1988) Characterization of genes affecting quantitative traits in humans. Quantitative Genetics. (Weir B., et al., eds). Sinauer Ass Inc., Sunderland, Massachusetts, pp 250-269.
22. Yuzbasiyan-Gurkan V., Boerwinkle E., and 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., and 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., and 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 86:212-216.
25. Boerwinkle E., Menzel H., Kraft H., and 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. Biol Perspectives 7:135-142.
27. Visvikis S., Steinmetz J., Boerwinkle E., Gueguen R., Galteau M-M., and 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., and 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. and 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., and 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., and 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., and 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., and 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., and 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., and 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. and Hixson J.E. (1990) Genes and normal lipid variation. Current Opinion in Lipidology 1:151-159.
37. Boerwinkle E., Lee S.S., Butler R., Schumaker V.N., and 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., and 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., and Talmud P.J. (1990) Genetic variation at the apolipoprotein gene loci contribute to response of plasma lipids to dietary change. Genet Epidemiol 7:261-275.
40. de Temmerman P., Visvikis S., Boerwinkle E. and Siest G. (1990) Study of the sequence tagged site (STS) in the beginning of human apo A-IV gene region. Nucleic Acids Res 18:5576.
41. Boerwinkle E., Visvikis S., and Chan L. (1990) Two linked polymorphisms for amino acid substitutions in the APOA4 gene. Nucleic Acids Res 18:4966.
42. Boerwinkle E., Hanis C.L., and Chan L. (1990) A unique length polymorphism in the signal peptide region of the apolipoprotein B gene in Mexican-Americans. Nucleic Acids Res 18:7193.
43. Visvikis S., Steinmetz J., Boerwinkle E., Gueguen R., Galteau M.M. and Siest G. (1990) Frequency and effects of the apolipoprotein A-IV polymorphism. Clin Genet 37:435-441.
44. Siest G., Visvikis S., Steinmetz J., Gueguen R., Galteau M.M., and Boerwinkle W. (1990) Part de la genetique dans la variabilite des lipides et des lipoproteines observee dans la population Lorraine. Santé Publique (no page nos.).
45. Sandholzer C., Hallman D.M., Saha N., Sigurdsson G., Lackner C., Csaszar A., Boerwinkle E., and Utermann G. (1991) Effects of the apolipoprotein(a) size polymorphism on the lp(a) lipoprotein concentration in 7 ethnic groups. Hum Genet 86:607-614.
46. Shriver M.D., Boerwinkle E., Hewett-Emmett D. and Hanis C.L. (1991) Frequency and effects of the apolipoprotein E polymorphism in Mexican-American non-insulin-dependent diabetics. Diabetes 40:334-337.
47. Boerwinkle E. and Chan L. (1991) A candidate gene approach to the genetics of normal lipid variation: DNA association studies and genotype by environment interaction. In: DNA Polymorphisms as Disease Markers. (Galton D.J. and Assmann G., eds.). Plenum Press, London pp 5-14.
48. Lackner C., Boerwinkle E., Leffert C.C., Rahmigs T., and Hobbs H.H. (1991) Molecular basis of apo(a) isoform size heterogeneity as revealed by pulsed-field gel electrophoresis. J Clin Invest 87:2153-2160.
49. Chakraborty R., Fornage M., Gueguen R., and Boerwinkle E. (1991) Population genetics of hypervariable loci: Analysis of PCR based VNTR polymorphism with a population. DNA

Fingerprinting: Approaches and Applications. (Burke T., Dolf G., Jeffreys A.J., and Wolff R., eds.). Birkhauser-Verag, Basel, pp. 127-143.

50. Hallman D.M., Boerwinkle E., Saha N., Sandholzer C., Menzel H.J., Csazar A., and Utermann G. (1991) The apolipoprotein E polymorphism: A comparison of allele frequencies and effects in nine populations. Am J Hum Genet 49:338-349.
51. Boerwinkle E., Chen S-H., Visvikis S., Hanis C.L., Siest G., and Chan L. (1991) Signal peptide length variation in the human apolipoprotein B gene: Molecular characteristics and association with plasma glucose levels. Diabetes 40:1539-1544.
52. Boerwinkle E., Brown S.A., Rohrbach K., Gotto A.M., and Patsch W. (1991) Role of apolipoprotein E and B gene variation in determining response of lipid, lipoprotein and apolipoprotein levels to increased dietary cholesterol. Am J Hum Genet 49:1145-1154.
53. Chakraborty R., Daiger S.P., and Boerwinkle E. (1991) Patterns of genetic variation within and between populations detected by PCR-based VNTR polymorphisms. Crime Lab Digest 18:148-152.
54. Shriver M., Daiger S.P., Chakraborty R., and Boerwinkle E. (1991) Multimodal distribution of length variation in VNTR loci detected using PCR. Crime Lab Digest 18:144-147.
55. Fornage M., Chan L., Siest G., and Boerwinkle E. (1992) Allele frequency distribution of the (TG)_n(AG)_m microsatellite in the apolipoprotein C-II gene. Genomics 12:63-68.
56. Boerwinkle E. and Fornage M. (1992) Genetics of the Lp(a) lipoprotein: An evolving paradigm. In: Genetics of Coronary Heart Disease (Bearn A.G., ed.). University of Oslo Press, Oslo, pp 33-52.
57. Sandholzer Ch, Boerwinkle E., Saha N., Tong M.C., and Utermann G. (1992) Apolipoprotein(a) phenotypes, Lp(a) concentration and plasma lipid levels in relation to coronary heart disease in a Chinese population: Evidence for the role of the apo(a) gene in coronary heart disease. J Clin Invest 89:1040-1046.
58. Boerwinkle E. (1992) Genetics of plasma lipoprotein(a) concentrations. Current Opinion Lipidology 3:128-136.
59. Boerwinkle E., Leffert C.C., Lin J., Lackner C., Chiesa G., and Hobbs H.H. (1992) Apo (a) gene accounts for greater than 90% of the variation in plasma Lp(a) concentrations. J Clin Invest 90:52-60.
60. Talmud P.J., Boerwinkle E., Xu C-F., Tikkanen M.J., Pietinen P., Huttunen J.K., and Humphries S. (1992) Dietary intake and gene variation influence the response of plasma lipids to dietary intervention. Genet Epidemiol 9:249-260.
61. Sandholzer C., Saha N., Kark J.D., Rees A., Jaross W., Dieplinger H., Hoppichler F., Boerwinkle E., and Utermann G. (1992) Apo(a) isoforms predict risk for coronary heart disease: A study of six populations. Arterioscler Thromb 12:1214-1226.
62. Chan L. and Boerwinkle E. (1992) Structure, function, molecular genetics and epidemiology of apolipoprotein B. Seminars in Liver Disease 12:311-320.
63. Ashizawa T., Dunne C.J., Dubel J.R., Perryman M.B., Epstein H.F., Boerwinkle E., and Hejtmancik J.F. (1992) Anticipation in myotonic dystrophy. I. Statistical verification based on clinical and haplotype findings. Neurology 42:1871-1877.
64. Ashizawa T., Dubel J.R., Dunne P.W., Dunne C.J., Fu Y-H., Pizzuti A., Caskey C.T., Boerwinkle E., Perryman M.B., Epstein H.F., and Hejtmancik J.F. (1992) Anticipation in myotonic dystrophy. II. Complex relationships between clinical findings and structure of the GCT repeat. Neurology 42:1877-1883.
65. Shriver M.D., Siest G., and Boerwinkle E. (1992) Length and sequence variation in the apolipoprotein B intron 20 Alu repeat: Molecular characteristics and population dynamics. Genomics 14:449-454.

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Eric Alan Boerwinkle

66. Steinmetz J., Boerwinkle E., Gueguen R., Visvikis S., Henny J., and Siest G. (1992) Multivariate genetic analysis of high density lipoprotein particles. Atherosclerosis 92:219-227.
67. Boerwinkle E. and Hallman D.M. (1993) Genotype-by-environment interaction: It's a fact of life. Genetics of Cellular, Individual, Family, and Population Variability. (Sing C.F. and Hanis C.L., eds.). Oxford University Press, pp 93-105.
68. Regis A., Visvikis S., Feldmann L., Herbeth B., Aguillon D., Boerwinkle E., Artur Y., Steinmetz J., Briancon S., Danchin N., and Siest G. (1993) Study of the apo B signal peptide polymorphism in coronary angiographed patients. In: Biologie Prospective. (Galteau M-M., Siest G., and Henny J., eds.). John Libbey Eurotext, pp 495-498.
69. Zaiou M., Visvikis S., Parra H.J., Steinmetz J., Aguillon D., Jaid M., Fournier B., Boerwinkle E., and Siest G. (1993) Postprandial effect of an oral fat load on serum apolipoprotein A-IV concentration. In: Biologie Prospective. (Galteau M-M., Siest G., and Henny J., eds.). John Libbey Eurotext, pp 545-548.
70. Shriver M.D., Jin L., Chakraborty R., and Boerwinkle E. (1993) VNTR allele frequency distributions under the stepwise mutation model: A computer simulation approach. Genetics 134:983-993.
71. Brown S.A., Morrisett J.D., Boerwinkle E., Hutchinson R., and Patsch W. (1993) The relation of lipoprotein(a) concentrations and apolipoprotein(a) phenotypes with asymptomatic atherosclerosis in subjects of the atherosclerosis risk in communities (ARIC) study. Arterioscler Thromb 13:1558-1566.
72. Moliterno D.J., Lange R.A., Meidell R.S., Willard J.E., Leffert C.C., Gerard R.D., Boerwinkle E., Hobbs H.H., and Hillis L.D. (1993) Relation of plasma lipoprotein(a) to infarct artery patency in survivors of myocardial infarction. Circulation 88:935-940.
73. Brown S.A., Hutchinson R., Morrisett J., Boerwinkle E., Davis C.E., Gotto A.M.Jr., and Patsch W. (1993) Plasma lipid, lipoprotein cholesterol and apoprotein distributions in selected U.S. Communities: The Atherosclerosis Risk in Communities (ARIC) Study. Arterioscler Thromb 13:1139-1158.
74. Hallman D.M., Visvikis S., Steinmetz J., and Boerwinkle E. (1994) The effect of variation in the apolipoprotein B gene on plasma lipid and apolipoprotein B levels. I. A likelihood-based approach to cladistic analysis. Ann Hum Genet 58:35-64.
75. Boerwinkle E., Brown S., Sharrett A.R., Heiss G., and Patsch W. (1994) Apolipoprotein E polymorphism influences postprandial retinyl palmitate but not triglyceride concentrations. Am J Hum Genet 54:341-360.
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