

CURRICULUM VITAE

Donna K. Arnett, Ph.D., M.S.P.H., B.S.N.**Contact Information**

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Education

1981 B.S.N. College of Nursing, University of South Florida, Tampa, FL

1987 M.S.P.H. Biostatistics and Epidemiology, College of Public Health,
University of South Florida, Tampa, FL

1992 Ph.D. Epidemiology, School of Public Health, University of North
Carolina, School of Public Health, Chapel Hill, NC

Professional Experience

1992 - 1994 American Heart Association Postdoctoral Fellow
Department of Epidemiology
School of Public Health
University of North Carolina

1994 - 1998 Assistant Professor of Epidemiology
Division of Epidemiology
School of Public Health
University of Minnesota

1998 - 2003 Associate Professor of Epidemiology
Division of Epidemiology
School of Public Health
University of Minnesota

2003 - 2004 Professor of Epidemiology
Division of Epidemiology
School of Public Health
University of Minnesota

2004 - 2015 Chair and Professor of Epidemiology
Department of Epidemiology
School of Public Health
University of Alabama at Birmingham

2014 - 2015 Associate Dean for Academics and Strategic Programs
School of Public Health
University of Alabama at Birmingham

2016 - Present Dean and Professor
College of Public Health
University of Kentucky

Societies and Organizations

1990 - Present American Heart Association, Council on Epidemiology and Prevention
1992 - 2013 Society for Epidemiologic Research
1996 - Present The American Society of Human Genetics
1998 - Present International Genetic Epidemiology Society
2004 - 2015 Senior Scientist, UAB Comprehensive Cancer Center
2004 - 2015 Senior Scientist, UAB Clinical Nutrition Research Center
2005 - 2015 Internal Advisor, UAB Center for AIDS Research
2008 - 2015 Scientist, UAB Center for Study of Community Health
2008 - Present American Epidemiological Society
2008 - Present American College of Epidemiology

Awards and Honors

1981 Graduated magna cum laude
1987 Outstanding Student Faculty Scholarship, College of Public Health, Department of Epidemiology, University of South Florida
1988 - 1991 U.S. Public Health Service Traineeship Award, University of North Carolina, Chapel Hill
1989 Alumni Student Faculty Award for Outstanding Service, School of Public Health, University of North Carolina
1990 Biomedical Research Service Award, University of North Carolina
1992 Delta Omega, Honor Society for Public Health, Theta Chapter
1998 Fellow, American Heart Association, Council on Epidemiology and Prevention
2000 Finalist, Roger Williams Award, American Heart Association, Council on Epidemiology and Prevention
2003 - 2004 Mayo Professor of Public Health (Endowed Chair)
2004 American Heart Association, Award of Meritorious Achievement
2006 Fellow, Executive Leadership in Academic Medicine
2008 Distinguished Faculty Investigator, UAB School of Public Health
2008 Fellow (elected), American Epidemiological Society
2009 Fellow, American College of Epidemiology
2009 Outstanding Woman Faculty Member, University of Alabama at Birmingham
2010 Delegate, Vision 2020 (a national project focused on advancing gender equality)
2010 American Heart Association Distinguished Achievement Award, Council on Functional Genomics and Translational Biology
2010 H.A. Tyroler Distinguished Alumni Award, University of North Carolina at Chapel Hill, Department of Epidemiology, School of Public Health
2014 Graduate School Dean's Award for Excellence in Mentorship, University of Alabama at Birmingham
2017 American Heart Association Gold Heart Award

2017 American Heart Association, Population Research Award

Professional Service

Service to Local, State and Regional Committees

- 1992 - 1994 American Heart Association, Florida Affiliate, Community Programs Committee Chair
- 1993 American Heart Association, Florida Affiliate, Research Peer Review Committee
- 1994 Institutional Review Board, JAEB Center for Health Research, Inc.
- 1996 Community Blood Pressure Screening, Pillsbury House
- 1998 American Heart Association, Minnesota Grassroots Network
- 1999 - 2002 American Heart Association Affiliate Behavioral Science, Epidemiology and Prevention Research Committee
- 2001 The Minnesota Cardiovascular Health Initiative
- 2005 American Heart Association, Southeast Affiliate Board of Directors
- 2006 - Present American Heart Association, Greater Southeast Board of Directors
- 2008 - Present American Heart Association, Birmingham Board of Directors
- 2009 - 2010 American Heart Association, Vice President, Greater Southeast Affiliate
- 2010 - 2012 American Heart Association, President, Greater Southeast Affiliate
- 2012 - 2015 United Ways Bold Goals Coalition, Jefferson County, AL
- 2012 - 2013 American Heart Association, Immediate Past President, Greater Southeast Affiliate

Service to National Committees (American Heart Association)

- 1996 - 1999 American Heart Association Council on Epidemiology and Prevention, Long Range Planning Committee
- 1997 - 1999 American Heart Association Executive Committee, Epidemiology and Prevention Council
- 1997 - 2001 American Heart Association Task Force on Council and Affiliate Relations
- 1997 - 2007 Faculty, American Heart Association's Ten-Day Seminar on the Epidemiology and Prevention of Cardiovascular Diseases, Tahoe City, CA
- 1998 - 2004 Member and Chair (2002-04), American Heart Association Council on Epidemiology and Prevention, Program Committee
- 1998 - 2001 Member and Chair (2000-01), American Heart Association Behavioral Science, Epidemiology and Prevention Research Committee
- 1999 - 2002 Member, American Heart Association Council on Epidemiology

	and Prevention, Working Group on the Council on Epidemiology and Prevention in the 21st Century
2000 - 2001	Member, American Heart Association Expert Panel on Translational Genomics
2001	Member, American Heart Association Science Classification Task Force
2002 - 2003	Member, American Heart Association Distinguished Fellows Task Force
2002 - 2006	Chair, American Heart Association Functional Genomics Interdisciplinary Working Group
2003 - 2005	Member, American Heart Association Committee of Scientific Sessions Program (CSSP)
2003 - 2007	Member, Council on Epidemiology and Prevention Leadership Committee
2003 - 2014	Scientific Advisory Coordinating Committee (SACC)
2003 - 2004	Chair, 2nd International Conference on Women and Cardiovascular Disease Program Committee
2004 - 2005	Member, American Heart Association Council Operations Committee
2006 - 2010	Member, American Heart Association Expert Panel on Subclinical Atherosclerotic Disease and Emerging Risk Factors (EP/SAD/ERF)
2006 - 2009	Member and Chair (2007-09), American Heart Association, National Research Committee
2007 - 2014	Member, American Heart Association National Board of Directors
2008 - 2010	Member, American Heart Association, Strategic Planning Committee
2008 - 2011	Member and Chair (2009-2011), American Heart Association, Scientific Publishing Committee
2008 - 2010	Member, American Heart Association, 2020 Impact Goal Task Force
2011 - 2012	President-Elect, American Heart Association
2012 - 2013	President, American Heart Association
2012 - 2014	Chair, Mission Metrics Task Force, American Heart Association
2013- 2014	Immediate Past President, American Heart Association
2014 -present	Chair, Worksite Wellness Conference Committee, American Heart Association
2014 - present	Member, Oversight Steering Committee, American Heart Association Strategically Focused Research Network for Prevention
2014- present	Member, International Committee, American Heart Association

Service to National Committees (Other non-government)

2007	World Congress on Heart Disease 2007 - Scientific Advisory Board of the International Academy of Cardiology and the
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	World Congress on Heart Disease 2007
2009-2012	Board of Directors, American College of Epidemiology
2010-present	Executive Leadership in Academic Medicine Admissions Review Committee
<i>Service to National Committees (Government)</i>	
1994 - 2004	Food and Drug Administration Special Government Employee
1995	National Institutes of Aging, Panel for Concept Clearance for Program Project on Arterial Stiffness
1995	National Institutes of Aging Special Emphasis Panel on Arterial Stiffness
1995	National Heart, Lung, and Blood Institute, Planning Committee, Conference on Electrocardiography in Epidemiologic Studies
1996 - 1997	National Heart, Lung, and Blood Institute, Planning Committee, Conference on Electrocardiography in Epidemiologic Studies
1997 - 1998	National Heart, Lung, and Blood Institute Training Grant Reviewer
1997 - 2000	National Heart, Lung, and Blood Institute, Program Project Reviewer (numerous PPGs)
1998	National Heart, Lung, and Blood Institute Workshop: Genetic Basis of Variability in the Progression and Outcome of Heart, Lung, and Blood Diseases, Special Emphasis Panel
2001 - 2002	National Heart, Lung, and Blood Institute Task Force on Research in Prevention of Cardiovascular Disease
2002 - 2008	National Institutes of Health, Cardiovascular and Sleep Epidemiology (CASE) Study Section (formerly Epidemiology & Disease Control), Chartered Member
2006 - 2008	Chair, National Institutes of Health, CASE Study Section
2005	NHLBI Strategic Planning Committee
2005 - 2010	Member, External Advisory Panel, NIGMS Pharmacogenomics Research Network
2006 - 2012	Member, NHLBI AIM HIGH, Data Safety and Monitoring Board
2007 - 2011	Chair, NHLBI Genetics Advisory Group, BARI2D Trial
2008 - 2012	Member, Evaluation of Genomic Applications in Practice and Prevention (EGAPP)
2010	Chair, CASE Study Section Member Conflicts Study Section
2010 - present	NIH Center for Scientific Review College of Reviewers
2014 - present	DHHS, Medicare Evidence Development and Coverage Advisory Committee (MEDCAC), Voting Member
2016	NHLBI, Search Committee, Director of the Division of Cardiovascular Diseases, Member
2017 - present	NHLBI, Council of Scientific Advisors, Member

Grant and Contract Support

<i>Title</i>	HyperGEN: Genetics of Left Ventricular Hypertrophy
<i>Funding source/type</i>	NIH/NHLBI 2 R01 HL55673

<i>Summary</i>	This project extends the genetic analysis of previously collected hypertension pedigrees with echocardiographic measures. We are conducting an exome sequencing study identify rare variants contributing to variation in cardiac size and structure and testing functionality of these variants in iPSC derived cardiomyocytes.
<i>Period</i>	08/01/95 - 06/30/17 (NCE)
<i>Role</i>	Principal Investigator
<i>Title</i>	Genomewide Association: Triglyceride Response to Fenofibrate Therapy and Dietary Fat
<i>Funding source/type</i>	NIH/NHLBI 1R01 HL091357
<i>Summary</i>	This study identifies genetic variants that influence fat and cholesterol's response to diet and drugs.
<i>Period</i>	09/05/2008 - 02/28/19
<i>Role</i>	Principal Investigator
<i>Title</i>	Epigenetic Determinants of Lipids Response to Dietary Fat and Fenofibrate
<i>Funding source/type</i>	NIH R01 HL104135
<i>Summary</i>	Identify epigenetic loci that determine gene-environment interactions that predict TG response to two interventions, one to raise TGs (intake of a high-fat meal), and one to lower TGs (treatment with fenofibrate).
<i>Period</i>	08/15/10 - 05/31/17 (NCE)
<i>Role</i>	Principal Investigator
<i>Title</i>	Functional Association Study for LVH Using iPSC-Derived Cardiomyocytes: The HyperGEN CiPS Study
<i>Funding source/type</i>	NIH
<i>Summary</i>	This study uses a cell model to investigate the genetic basis of left ventricular hypertrophy in the HyperGEN participants
<i>Period</i>	07/2011 - 03/17 (NCE)
<i>Role</i>	Co-Investigator
<i>Title</i>	Study of Cardiac Mechanisms in Systematic Hypertension
<i>Funding source/type</i>	NIH-Northwestern University
<i>Summary</i>	This study is re-measuring novel diastolic echocardiographic traits in the HyperGEN study and assessing association with clinical and genomic data previously collected.
<i>Period</i>	04/2011 - 03/2019
<i>Role</i>	Subproject Principal Investigator (Primary PI, Sanjiv Shah, MD)

Completed Research

<i>Title</i>	Community Surveillance of Cardiovascular Disease -- Risk Factor Survey (MHS)
<i>Funding source/type</i>	NIH/NHLBI 5 R01 HL23727

Summary A survey of 5,000 adults, ages 25-74 years, and children ages 8-17 years was conducted using methodology identical to prior MHS surveys done in 1980-82, 1985-87, 1990-92, and 1995-97.

Period 10/01/94 - 2/28/04

Role Principal Investigator

Title FHS: Molecular Genetics and Genetic Epidemiology MN

Funding source/type NIH/NHLBI, 2 R01 HL56567

Summary This extended the genome-wide analysis for NHLBI FHS conducted during the initial funding period.

Period 10/23/01 - 8/31/04

Role Principal Investigator

Title Training Grant in CVD Genetic Epidemiology

Funding source/type NIH/NHLBI, 1 T32 HL07972

Summary This proposal funded 3 pre-doctoral and 1 post-doctoral trainees in CVD genetic epidemiology at the University of Minnesota

Period 7/16/01 - 7/15/06

Role Principal Investigator

Title MESA Family Study

Funding source/type NIH/NHLBI, 1 R01 HL071251-01

Summary The goal of this study was to determine the extent of genetic contribution to variation in coronary calcium (EBCT and CT scan) and carotid artery wall thickness (B-mode ultrasound) in non-majority populations.

Period 8/1/03 - 6/30/08

Role Co-Principal Investigator (PI at UMN before locating to UAB)

Title Calcineurin Gene Polymorphisms, Serum Calcineurin, and LVH

Funding source/type NIH/NHLBI University of Minnesota Consortium PA-06-181

Summary To evaluate the utility of serum calcineurin protein and enzymatic activity as biomarkers for LVH at the population level and to identify variants in genes involved in the calcineurin pathway that contribute to the risk of LVH.

Period 09/29/2008 - 05/31/10

Role Co-investigator

Title Genetic and Environmental Determinants of Triglycerides

Funding source/type NIH/NHLBI, U 01 HL72524

Summary This study characterized the genetic basis of the variable response of triglycerides (TGs) to two environmental contexts, one that raised TGs (dietary fat), and one that lowered TGs (fenofibrate treatment).

Period 09/30/02 - 5/31/10

<i>Role</i>	Principal Investigator
<i>Title</i>	GenHAT - Genetics of Hypertension Associated Treatments
<i>Funding source/type</i>	NIH/NHLBI 5 R01 HL63082
<i>Summary</i>	Ancillary to the Antihypertension and Lipid Lowering Treatment to Prevent Heart Attack Trial (ALLHAT), we investigated whether common polymorphisms of several hypertension candidate genes modify the effect of antihypertensives on long-term outcomes, including mortality, coronary heart disease and stroke in the first R01, and added multiple genes in a case-only design to test drug-gene interactions with long-term outcomes.
<i>Period</i>	09/01/99 - 05/31/11
<i>Role</i>	Principal Investigator
<i>Title</i>	Multidisciplinary Clinical Research Center: Project 1, Genetic and Molecular Markers of Methotrexate Efficacy and Toxicity in Early RA
<i>Funding source/type</i>	NIH/NIAMS P60 AR48095
<i>Summary</i>	This study evaluates the genetic determinants of efficacy and toxicity of methotrexate in early, aggressive rheumatoid arthritis.
<i>Period</i>	09/01/08 - 06/30/13
<i>Role</i>	Principal Investigator, Project 1
<i>Title</i>	Genome Wide Haplotype Association Analysis
<i>Funding source/type</i>	NIH/NIGMS R01GM081488
<i>Summary</i>	We developed novel statistical and computational methods and software tools for the analysis of haplotypes in mapping of complex human disease genes.
<i>Period</i>	04/01/08 - 03/31/13
<i>Role</i>	Co-Investigator
<i>Title</i>	Genome-Wide Association Studies: Using Integrated CNV and SNP Information
<i>Funding source/type</i>	NIH, University of Pennsylvania Consortium
<i>Summary</i>	This research aims to develop novel ways to integrate single-nucleotide polymorphism and copy number variation data in genome-wide association studies.
<i>Period</i>	07/1/2011 - 06/30/2015
<i>Role</i>	Co-Investigator
<i>Title</i>	The NINDS International Stroke Genetics Consortium Study
<i>Funding source/type</i>	NIH
<i>Summary</i>	The major goal of the GWAS is to research the genetics of stroke, identify genes that influence stroke risk and contribute to de-identified phenotype and genetic data.
<i>Period</i>	07/2010 - 06/2015
<i>Role</i>	Principal Investigator of UAB Subcontract

Senior & Co-authored Articles, Articles Derived from Grants

1. Rinde-Hoffman D, Glasser SP and **Arnett DK**. Update on nitrate therapy. *Journal of clinical pharmacology*. 1991;31:697-701.
2. **Arnett DK**, Strogatz DS, Ephross SA, Hames CG and Tyroler HA. Greater incidence of electrocardiographic left ventricular hypertrophy in black men than in white men in Evans County, Georgia. *Ethnicity & disease*. 1992;2:10-7.
3. **Arnett DK**, Evans GW and Riley WA. Arterial stiffness: a new cardiovascular risk factor? *American journal of epidemiology*. 1994;140:669-82.
4. **Arnett DK**, Rautaharju P, Crow R, Folsom AR, Ekelund LG, Hutchinson R, Tyroler HA and Heiss G. Black-white differences in electrocardiographic left ventricular mass and its association with blood pressure (the ARIC study). Atherosclerosis Risk in Communities. *The American journal of cardiology*. 1994;74:247-52.
5. Howard G, Burke GL, Evans GW, Crouse JR, 3rd, Riley W, **Arnett D**, de Lacy R and Heiss G. Relations of intimal-medial thickness among sites within the carotid artery as evaluated by B-mode ultrasound. ARIC Investigators. Atherosclerosis Risk in Communities. *Stroke*. 1994;25:1581-7.
6. **Arnett DK**, Tyroler HA, Burke G, Hutchinson R, Howard G and Heiss G. Hypertension and subclinical carotid artery atherosclerosis in blacks and whites. The Atherosclerosis Risk in Communities Study. ARIC Investigators. *Archives of internal medicine*. 1996;156:1983-9.
7. Bright PE, **Arnett DK**, Blair C and Bayona M. Gender and ethnic differences in survival in a cohort of HIV positive clients. *Ethnicity & health*. 1996;1:77-85.
8. Chambless LE, Zhong MM, **Arnett D**, Folsom AR, Riley WA and Heiss G. Variability in B-mode ultrasound measurements in the atherosclerosis risk in communities (ARIC) study. *Ultrasound in medicine & biology*. 1996;22:545-54.
9. **Arnett DK**, Pankow JS, Atwood LD and Sellers TA. Impact of adjustments for intermediate phenotypes on the power to detect linkage. *Genetic epidemiology*. 1997;14:749-54.
10. **Arnett DK**, Rautaharju P, Sutherland S, Usher B and Keil J. Validity of electrocardiographic estimates of left ventricular hypertrophy and mass in African Americans (The Charleston Heart Study). *The American journal of cardiology*. 1997;79:1289-92.
11. Folsom AR, **Arnett DK**, Hutchinson RG, Liao F, Clegg LX and Cooper LS. Physical activity and incidence of coronary heart disease in middle-aged women and men. *Medicine and science in sports and exercise*. 1997;29:901-9.
12. Glasser SP, **Arnett DK**, McVeigh GE, Finkelstein SM, Bank AJ, Morgan DJ and Cohn JN. Vascular compliance and cardiovascular disease: a risk factor or a marker? *American journal of hypertension*. 1997;10:1175-89.
13. Iribarren C, Luepker RV, McGovern PG, **Arnett DK** and Blackburn H. Twelve-year trends in cardiovascular disease risk factors in the Minnesota Heart Survey. Are socioeconomic differences widening? *Archives of internal medicine*. 1997;157:873-81.
14. Pankow JS, Vachon CM, Kuni CC, King RA, **Arnett DK**, Grabrick DM, Rich SS, Anderson VE and Sellers TA. Genetic analysis of mammographic breast density in adult women: evidence of a gene effect. *Journal of the National Cancer Institute*. 1997;89:549-56.

15. Pieper RM, **Arnett DK**, McGovern PG, Shahar E, Blackburn H and Luepker RV. Trends in cholesterol knowledge and screening and hypercholesterolemia awareness and treatment, 1980-1992. The Minnesota Heart Survey. *Archives of internal medicine*. 1997;157:2326-32.
16. **Arnett DK**, Borecki IB, Ludwig EH, Pankow JS, Myers R, Evans G, Folsom AR, Heiss G and Higgins M. Angiotensinogen and angiotensin converting enzyme genotypes and carotid atherosclerosis: the atherosclerosis risk in communities and the NHLBI family heart studies. *Atherosclerosis*. 1998;138:111-6.
17. **Arnett DK**, Sprafka JM, McGovern PG, Jacobs DR, Jr., Shahar E, McCarty M and Luepker RV. Trends in cigarette smoking: the Minnesota Heart Survey, 1980 through 1992. *American journal of public health*. 1998;88:1230-3. PMC1508291.
18. Borecki IB, Higgins M, Schreiner PJ, **Arnett DK**, Mayer-Davis E, Hunt SC and Province MA. Evidence for multiple determinants of the body mass index: the National Heart, Lung, and Blood Institute Family Heart Study. *Obesity research*. 1998;6:107-14.
19. Djousse L, Ellison RC, Zhang Y, **Arnett DK**, Sholinsky P and Borecki I. Relation between dietary fiber consumption and fibrinogen and plasminogen activator inhibitor type 1: The National Heart, Lung, and Blood Institute Family Heart Study. *The American journal of clinical nutrition*. 1998;68:568-75.
20. Garg UC, **Arnett DK**, Evans G and Eckfeldt JH. No association between factor V Leiden mutation and coronary heart disease or carotid intima media thickness: the NHLBI Family Heart Study. *Thrombosis research*. 1998;89:289-93.
21. Garg UC, **Arnett DK**, Folsom AR, Province MA, Williams RR and Eckfeldt JH. Lack of association between platelet glycoprotein IIb/IIIa receptor PIA polymorphism and coronary artery disease or carotid intima-media thickness. *Thrombosis research*. 1998;89:85-9.
22. Glasser SP, **Arnett DK**, McVeigh GE, Finkelstein SM, Bank AK, Morgan DJ and Cohn JN. The importance of arterial compliance in cardiovascular drug therapy. *Journal of clinical pharmacology*. 1998;38:202-12.
23. Smith MA, Doliszny KM, Shahar E, McGovern PG, **Arnett DK** and Luepker RV. Delayed hospital arrival for acute stroke: the Minnesota Stroke Survey. *Annals of internal medicine*. 1998;129:190-6.
24. Smith MA, Shahar E, Doliszny KM, McGovern PG, **Arnett DK** and Luepker RV. Trends in medical care of hospitalized stroke patients between 1980 and 1990: the Minnesota Stroke Survey. *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*. 1998;7:76-84.
25. **Arnett DK**, Chambless LE, Kim H, Evans GW and Riley W. Variability in ultrasonic measurements of arterial stiffness in the Atherosclerosis Risk in Communities study. *Ultrasound in medicine & biology*. 1999;25:175-80.
26. Coon H, Leppert MF, Kronenberg F, Province MA, Myers RH, **Arnett DK**, Eckfeldt JH, Heiss G, Williams RR and Hunt SC. Evidence for a major gene accounting for mild elevation in LDL cholesterol: the NHLBI Family Heart Study. *Annals of human genetics*. 1999;63:401-12.
27. Liao D, **Arnett DK**, Tyroler HA, Riley WA, Chambless LE, Szklo M and Heiss G. Arterial stiffness and the development of hypertension. The ARIC study. *Hypertension (Dallas, Tex : 1979)*. 1999;34:201-6.

28. Peacock JM, Folsom AR, **Arnett DK**, Eckfeldt JH and Szklo M. Relationship of serum and dietary magnesium to incident hypertension: the Atherosclerosis Risk in Communities (ARIC) Study. *Annals of epidemiology*. 1999;9:159-65.
29. Pereira MA, Folsom AR, McGovern PG, Carpenter M, **Arnett DK**, Liao D, Szklo M and Hutchinson RG. Physical activity and incident hypertension in black and white adults: the Atherosclerosis Risk in Communities Study. *Preventive medicine*. 1999;28:304-12.
30. Rose KM, Newman B, Tyroler HA, Szklo M, **Arnett D** and Srivastava N. Women, employment status, and hypertension: cross-sectional and prospective findings from the Atherosclerosis Risk in Communities (ARIC) Study. *Annals of epidemiology*. 1999;9:374-82.
31. Smith MA, Shahar E, McGovern PG, Kane RL, Doliszny KM, **Arnett DK** and Luepker RV. HMO membership and patient age and the use of specialty care for hospitalized patients with acute stroke: The Minnesota Stroke Survey. *Medical care*. 1999;37:1186-98.
32. Zheng ZJ, Folsom AR, Ma J, **Arnett DK**, McGovern PG and Eckfeldt JH. Plasma fatty acid composition and 6-year incidence of hypertension in middle-aged adults: the Atherosclerosis Risk in Communities (ARIC) Study. *American journal of epidemiology*. 1999;150:492-500.
33. al'Absi M and **Arnett DK**. Adrenocortical responses to psychological stress and risk for hypertension. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*. 2000;54:234-44.
34. **Arnett DK**. Genetic contributions to left ventricular hypertrophy. *Current hypertension reports*. 2000;2:50-5.
35. **Arnett DK**, Boland LL, Evans GW, Riley W, Barnes R, Tyroler HA and Heiss G. Hypertension and arterial stiffness: the Atherosclerosis Risk in Communities Study. ARIC Investigators. *American journal of hypertension*. 2000;13:317-23.
36. **Arnett DK**, Xiong B, McGovern PG, Blackburn H and Luepker RV. Secular trends in dietary macronutrient intake in Minneapolis-St, Paul, Minnesota, 1980-1992. *American journal of epidemiology*. 2000;152:868-73.
37. Coon H, Myers RH, Borecki IB, **Arnett DK**, Hunt SC, Province MA, Djousse L and Leppert MF. Replication of linkage of familial combined hyperlipidemia to chromosome 1q with additional heterogeneous effect of apolipoprotein A-I/C-III/A-IV locus. The NHLBI Family Heart Study. *Arteriosclerosis, thrombosis, and vascular biology*. 2000;20:2275-80.
38. Djousse L, Myers RH, Coon H, **Arnett DK**, Province MA and Ellison RC. Smoking influences the association between apolipoprotein E and lipids: the National Heart, Lung, and Blood Institute Family Heart Study. *Lipids*. 2000;35:827-31.
39. Djousse L, Pankow JS, **Arnett DK**, Zhang Y, Hong Y, Province MA and Ellison RC. Alcohol consumption and plasminogen activator inhibitor type 1: the National Heart, Lung, and Blood Institute Family Heart Study. *American heart journal*. 2000;139:704-9.
40. Eigenbrodt ML, Rose KM, Couper DJ, **Arnett DK**, Smith R and Jones D. Orthostatic hypotension as a risk factor for stroke: the atherosclerosis risk in communities (ARIC) study, 1987-1996. *Stroke*. 2000;31:2307-13.
41. Feitosa MF, Borecki I, Hunt SC, **Arnett DK**, Rao DC and Province M. Inheritance of the waist-to-hip ratio in the National Heart, Lung, and Blood Institute Family Heart Study. *Obesity research*. 2000;8:294-301.

42. Hong Y, Leppert MF, Lin J, Hunt SC, Rich SS, **Arnett DK**, Myers RH, Eckfeldt J, Williams RR and Province MA. No evidence of linkage between the very-low-density lipoprotein receptor gene and fasting serum insulin or homeostasis model assessment insulin resistance index: the National Heart, Lung, and Blood Institute Family Heart Study. *Metabolism: clinical and experimental*. 2000;49:293-7.
43. Knox SS, Adelman A, Ellison RC, **Arnett DK**, Siegmund K, Weidner G and Province MA. Hostility, social support, and carotid artery atherosclerosis in the National Heart, Lung, and Blood Institute Family Heart Study. *The American journal of cardiology*. 2000;86:1086-9.
44. Kronenberg F, Pereira MA, Schmitz MK, **Arnett DK**, Evenson KR, Crapo RO, Jensen RL, Burke GL, Sholinsky P, Ellison RC and Hunt SC. Influence of leisure time physical activity and television watching on atherosclerosis risk factors in the NHLBI Family Heart Study. *Atherosclerosis*. 2000;153:433-43.
45. Kronenberg F, Rich SS, Sholinsky P, **Arnett DK**, Province ME, Myers RH, Eckfeldt JH, Williams RR and Hunt SC. Insulin and hypertension in the NHLBI Family Heart Study: a sibpair approach to a controversial issue. *American journal of hypertension*. 2000;13:240-50.
46. Luoto R, Sharrett AR, Schreiner P, Sorlie PD, **Arnett D** and Ephross S. Blood pressure and menopausal transition: the Atherosclerosis Risk in Communities study (1987-95). *Journal of hypertension*. 2000;18:27-33.
47. Pankow JS, **Arnett DK**, Borecki IB, Hunt SC, Eckfeldt JH, Folsom AR and Djousse L. Lack of association between the angiotensin-converting enzyme insertion/deletion polymorphism and plasminogen activator inhibitor-1 antigen levels in the National Heart, Lung, and Blood Institute Family Heart Study. *Blood coagulation & fibrinolysis : an international journal in haemostasis and thrombosis*. 2000;11:551-8.
48. Phillips EL, **Arnett DK**, Himes JH, McGovern PG, Blackburn H and Luepker RV. Differences and trends in antioxidant dietary intake in smokers and non-smokers, 1980-1992: the Minnesota Heart Survey. *Annals of epidemiology*. 2000;10:417-23.
49. Province MA, **Arnett DK**, Hunt SC, Leiendecker-Foster C, Eckfeldt JH, Oberman A, Ellison RC, Heiss G, Mockrin SC and Williams RR. Association between the alpha-adducin gene and hypertension in the HyperGEN Study. *American journal of hypertension*. 2000;13:710-8.
50. Rose KM, **Arnett DK**, Ellison RC and Heiss G. Skip patterns in DINAMAP-measured blood pressure in 3 epidemiological studies. *Hypertension (Dallas, Tex : 1979)*. 2000;35:1032-6.
51. Rose KM, Tyroler HA, Nardo CJ, **Arnett DK**, Light KC, Rosamond W, Sharrett AR and Szklo M. Orthostatic hypotension and the incidence of coronary heart disease: the Atherosclerosis Risk in Communities study. *American journal of hypertension*. 2000;13:571-8.
52. Tsai MY, **Arnett DK**, Eckfeldt JH, Williams RR and Ellison RC. Plasma homocysteine and its association with carotid intimal-medial wall thickness and prevalent coronary heart disease: NHLBI Family Heart Study. *Atherosclerosis*. 2000;151:519-24.
53. Weinert CR, **Arnett D**, Jacobs D, Jr. and Kane RL. Relationship between persistence of abdominal symptoms and successful outcome after cholecystectomy. *Archives of internal medicine*. 2000;160:989-95.

54. Wilk JB, Djousse L, **Arnett DK**, Rich SS, Province MA, Hunt SC, Crapo RO, Higgins M and Myers RH. Evidence for major genes influencing pulmonary function in the NHLBI family heart study. *Genetic epidemiology*. 2000;19:81-94.
55. Wilk JB, Djousse L, Borecki I, Atwood LD, Hunt SC, Rich SS, Eckfeldt JH, **Arnett DK**, Rao DC and Myers RH. Segregation analysis of serum uric acid in the NHLBI Family Heart Study. *Human genetics*. 2000;106:355-9.
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580. Irvin MR, Aslibekyan S, Do AN, Zhi D, Hidalgo B, Claas SA, Srinivasasainagendra V, Horvath S, Tiwari HK, Absher DM, **Arnett DK**. Metabolic and inflammatory biomarkers are associated with epigenetic aging acceleration estimates in the GOLDN study. *Clinical epigenetics*. Under review.

Book Chapters

1. Mulla Z, **Arnett DK**. Gender Differences in the Rates of Therapeutic Cardiac Procedures and Associated Mortality Among Elderly Patients Hospitalized for Acute Myocardial Infarction. In: *Facts and Research in Gerontology*. Ribera JM, Carrie D, Puel J, Serro-Azul J, Vellas B, Albarede L, Garry PJ (eds.). Paris: Serdi Publisher, 1997.
2. **Arnett DK**. Heritability of Hypertension and Target Organ Damage. In: *Hypertension Primer: The Essentials of High Blood Pressure: Basic Science, Population Science, and Clinical Management*. Fourth Edition. Izzo JL, Sica D, Black HR (eds.). Philadelphia: Lippincott Williams & Wilkins, 2008.

3. **Arnett DK**, Glasser SP. Grant and Manuscript Writing. In: *Essentials of Clinical Research*. Glasser SP (ed.). New York: Springer, 2014.
4. Shrestha S, **Arnett DK**. Genetic Epidemiology in Clinical Practice and Research. In: *Essentials of Clinical Research*. Glasser SP (ed.). New York: Springer, 2008.
5. **Arnett DK**. Hypertension. In: *Cardiovascular Genetics and Genomics*. Roden D (ed.). Oxford: Wiley-Blackwell Publishing, 2009.
6. **Arnett DK**, Claas SA. Introduction to Epidemiology. In: *Principles of Clinical and Translational Science*. Robertson D, Williams GH (eds.). First Edition. London: Elsevier, 2009.
7. **Arnett DK**, Claas SA, Lynch AI. Pharmacogenetics of Antihypertensive Treatment. In: *Hypertension: A Companion Text to Braunwald's Heart Disease, 2nd Edition*. Black HR, Elliott WJ (eds.) W.B. Saunders, 2013.
8. Claas SA, **Arnett DK**. Genetics of Blood Lipids, Lipoproteins, and Related Phenotypes. In: *Cardiovascular Genetics and Genomics in Clinical Practice*. Shah SJ, Arnett DK (eds.) Demos Medical, 2015.
9. Shah SJ, **Arnett DK**. Exome and Whole Genome Sequencing. In: *Cardiovascular Genetics and Genomics in Clinical Practice*. Shah SJ, Arnett DK (eds.) Demos Medical, 2015.
10. Claas SA, Aslibekyan S, **Arnett DK**. Genetics of Cardiovascular Disease. In: *Prevention of Cardiovascular Diseases: From current evidence to clinical practice*. Andrade J, Pinto F, Arnett DK (eds.) Springer, 2016.
11. **Arnett DK**, Claas SA. Frugal Innovation: Solutions for Sustainable Global Cardiovascular Health. In: *Prevention of Cardiovascular Diseases: From current evidence to clinical practice*. Andrade J, Pinto F, Arnett DK (eds.) Springer, 2016.
12. **Arnett DK**, Claas SA. Introduction to Epidemiology. In: *Principles of Clinical and Translational Science*. Robertson D, Williams GH (eds.). Second Edition. London: Elsevier, 2016.
13. Aslibekyan S, Claas SA and **Arnett DK**. Epigenetics in cardiovascular disease. In: *Translating Epigenetics to the Clinic*. Laurence J, Van Beusekom M (eds.) Academic P. 2017.

Edited Volumes

1. *Prevention of Cardiovascular Diseases: From current evidence to clinical practice*. Andrade J, Pinto F, **Arnett DK** (eds.) Springer, 2016.
2. *Cardiovascular Genetics and Genomics in Clinical Practice*. Shah SJ, **Arnett DK** (eds.) Demos Medical, 2015.

Pre- and Post-Doctoral Trainees

Trainee	Trainin g Period	Current Position of Trainee
<i>Pre-doctoral</i>		
Peacock, J	1998-03	Principal Epidemiologist, MN Department of Health
Tang, W	1997-02	Associate Professor, University of MN

Trainee	Training Period	Current Position of Trainee
Bielinski, S	2003-05	Associate Professor, Mayo Clinic
Lynch, A	2002-05	Freelance Epidemiologist/Biostatistician
Sherva, R	2003-06	Assistant Professor, Boston University
Potter, D	2002-05	Centre for Infectious Diseases in Zambia
Meggazini, K	2006-07	Scientist, Westat
Sahasrabudh e, V	2003-06	NIH National Cancer Institute
Xiao, Y	2005- 06	CDC of China
Cantrell, R	2004-08	Research Scientist, Epidemiology Center of Excellence within Global Health Outcomes within Lilly Research Laboratories
Jenkins, T	2004- 08	Assistant Professor, Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center
Limdi, N	2005-07	Professor, University of Alabama at Birmingham

Post-doctoral

Nunez, E	1999-03	CUORE International, Director of Epidemiology and Statistical Services
Liu, Y	2003-05	Associate Professor, Tulane University
Wojczynski, M	2006-09	Assistant Professor, Washington University in St Louis
Dickson (Irvin), M	2008-11	Associate Professor, University of Alabama at Birmingham
Wood, A	2009-13	Assistant Professor, Baylor College of Medicine
Aslibekyan, S	2011-13	Associate Professor, University of Alabama at Birmingham
Hidalgo, B	2013-14	Assistant Professor, University of Alabama at Birmingham

Teaching Experience

University of South Florida

Epidemiology (core course for MPH)	1991
Research Methods in Epidemiology	1992
Ethnicity in Epidemiology	1992

University of Minnesota

Epidemiology II: Strategies and Methods	1995 - 1999
Epidemiology IV: Seminar in Epidemiology	1996 - 1997
Genetic Epidemiology	1998 - 2003
Public Health Genetics	2002 - 2004
Epidemiology I	1999 - 2004

University of Alabama at Birmingham

Grant Writing (EPI703)	2005 - 2016
Research Methods in Epidemiology (EPI611)	2006 - 2009
Field Methods in Epidemiology (EPI618)	2006 - 2016
Epidemiology Seminar (EPI695/795)	2009 - 2016

Selected Invited Lectures & Presentations

- 2013 American Stroke Association Presidential Address, Honolulu. "Transforming cardiovascular and brain health through genes and environment."
- 2013 "Evolving Guidelines and Renal Sympathetic Denervation: From Population Salt Reduction to Personalized Treatment Targets." American College of Cardiology, San Francisco
- 2013 "Health Policy and Lifestyle Change." American College of Cardiology, San Francisco
- 2013 "The Epidemiology of Heart Failure." Japanese Circulation Society
- 2013 "Genomic and Environmental Determinants of Hypertension and Left Ventricular Hypertrophy." Medical College of Wisconsin, Grand Rounds
- 2013 "Cultivating Leadership Excellence Through Ideal Health and Well-being." Medical College of Wisconsin, 5th Annual Kathy Sheehan Lectureship
- 2013 "The American Heart Association Perspective on Prevention of Cardiovascular Disease." ESC Euro-Prevent, Rome
- 2013 "Pharmacogenetic Factors in Blood Pressure Control" American Society of Hypertension, San Francisco
- 2013 "Pharmacogenetics of Cardiovascular Disease." Centro Nacional de Investigaciones Cardiovasculares, Madrid
- 2013 Congress of the Society of Cardiology of Sao Paulo. "Are there new and different strategies for CVD prevention for the individual and the population?"
- 2013 Congress of the Society of Cardiology of Sao Paulo. "The Guideline Advantage Program."
- 2013 Toronto-Ottawa Heart Summit, Toronto. "Transforming cardiovascular and brain health through genes and environment."
- 2013 "Cardiovascular Pharmacogenomics." Cicerone Workshop for Medical Residents, Madrid, Spain
- 2013 "Genomic and Environmental Determinants of Hypertension and Left Ventricular Hypertrophy" Lois Ellison Lectureship, Georgia Regents University, Augusta, GA
- 2013 "The Genetic Epidemiology of Left Ventricular Hypertrophy: From Population Genetics to Functional Relevance" Tisdale Visiting Professor, University of Vermont School of Medicine, Medical Grand Rounds
- 2013 "Current Status and Challenges to Achieving Goals." American Heart Association, Scientific Sessions, Dallas, TX
- 2013 "Challenges and future of cardiovascular prevention in the world. What is happening after the 'Letter of Rio'?" IV Brasil Prevent & II Latin American Prevent
- 2013 "The American Heart Association's Efforts to Create a Culture of Health." IV Brasil Prevent & II Latin American Prevent

- 2013 "Evolving Guidelines on Hypertension and New Approaches: From Population Salt Reduction to Personalized Treatment Targets?" 45th Annual New York Cardiovascular Symposium, New York, NY
- 2014 "The Genetic Epidemiology of Left Ventricular Hypertrophy: From Population Genetics to Functional Relevance", Wake Forest University School of Medicine, Neurology Grand Rounds
- 2014 "The Future of Pharmacogenetics in Evidenced-Based Cardiovascular Risk Management." NIH Pharmacogenomics Research Network Scientific & Steering Committee Meeting, Orlando, FL
- 2014 "Evolving Guidelines on Hypertension: From Population Salt Reduction to Renal Sympathetic Denervation." American College of Cardiology Annual Scientific Session, Washington DC
- 2014 "Genetics of Antihypertensive Treatment." American Heart Association, Scientific Sessions, Chicago, IL.
- 2014 "Discovering Disease Variation from Genomic Studies in Diverse Populations." American Heart Association, Scientific Sessions, Chicago, IL.
- 2014 "Implications of Pharmacogenomics in Management of Hypertension" American Heart Association, Scientific Sessions, Chicago, IL.
- 2015 "Epigenome-Wide Association Scans of Cardiometabolic Traits" Third Institute of Cardiometabolism and Nutrition Conference Series on Omics, Paris, France
- 2016 "Genomic and Environmental Determinants of Hypertension and Left Ventricular Hypertrophy" University of Kentucky, Medical School Grand Rounds
- 2016 "Precision Medicine, Genomics, and Public Health" Department of Biostatistics Golden Jubilee Seminar Series, Washington University, St Louis.