

CURRICULUM VITAE

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

Address University of Kentucky
College of Public Health
111 Washington Ave.
Lexington, KY 40536-0003

Work telephone (859) 218-2247

Email donna.arnett@uky.edu

Education

1992	Ph.D.	Epidemiology, School of Public Health, University of North Carolina, School of Public Health, Chapel Hill, NC
1987	M.S.P.H.	Biostatistics and Epidemiology, College of Public Health, University of South Florida, Tampa, FL
1981	B.S.N.	College of Nursing, University of South Florida, Tampa, FL

Administrative Experience

Dean of the College of Public Health (2016-present): Serve as chief executive and academic officer for the college, reporting directly to the Provost of the University of Kentucky.

Leadership, Responsibilities and Accomplishments:

- Serve as chief academic officer. Developed, managed, and provided oversight for all academic programs for the College of Public Health. The college has one of the fastest growing undergraduate programs in the University, namely, the Bachelor of Public Health, four Master of Public Health concentration areas, a Master of Health Administration, and three PhD programs.
- Provide leadership and oversight for 12 direct reports: 4 department chairs, 5 assistant / associate deans, communications director, philanthropy officer and grants manager. Responsible for operation and budgetary oversight of the college.
- Conducted the college's first comprehensive strategic plan with engagement of students, staff, faculty and external stakeholders. Created Infrastructure to monitor the plan on a quarterly basis.
- Deployed multiple hiring Initiatives In the college. Hired 4 department chairs and 5 assistant / associate deans, including the first ever Assistant Dean of Inclusive Excellence. Increased the faculty headcount in the college: thirty-one new faculty were hired in the past 18 months, and about 20% are under-represented minorities.

- Created an RCM-like budget model within the college to Incentivize growth in scholarship and teaching within academic departments.
- Created the first comprehensive research operations team for the college. The office includes pre- and post-award managers, scientific writers, and IRB expertise to assist faculty adding new revenue to the college budget.
- Created the college's first Staff Professional Development program which provided \$30,000 per year managed In collaboration with the college's staff council.
- Dramatically increased our research incentive program for faculty resulting in measurable increases in both extramural funding and scholarly productivity.
- Increased extramural research proposal submissions (51% Increase since 2018) and external research funding as principal Investigator (27% Increase since 2018),
- Launched an online Master of Public Health in Health Service Policy Analysis and an online certificate In Population Health.
- Developed interdisciplinary, innovative certificate programs In *OneHealth* and *Improving Healthcare Value* across public health, business, engineering, and agriculture.
- Participated in the accreditation of two graduate professional programs and secured the maximum accreditation period from both the Council on Education in Public Health (CEPH) and Commission on Accreditation of Healthcare Management Education (CAHME).
- Created a new university-wide center for Innovation in Population Health and recruited a center director who brought 6 faculty members and 20 staff to the college. A second university-wide center for The Environment and Health is currently being reviewed by the University Senate.
- Increased global engagement through new partnerships with three institutions in China and increased international student recruitment.
- Created and managed a National Board of Advisors with regional and national leaders that reflect key work processes necessary for managing a complex health college, including public health and health care, communications, finance, philanthropy, law, and advocacy, fund raising, and law.
- Created and managed a Comprehensive Campaign Committee to assist in the university's \$2 billion campaign. The college has reached 90% of Its \$24 million goal.
- Secured commitment to renovate Scovell Hall (~80,000 square feet) and conducted a college-wide planning process for the design (completed April, 2020)
- Managed the college through significant transition from In-person to distance learning, research and service due to the COVID-19 pandemic.

Chair of Epidemiology (2004-2015): Served as academic, research and fiscal leader In the department, reporting directly to the Dean of the School of Public Health at the University of Alabama at Birmingham (UAB).

Leadership, Responsibilities and Accomplishments:

- Built research infrastructure to support pre-award and post-award management, including IRB communications and scientific editing.

- Increased extramural research funding; the department rose to the top 10 externally-funded epidemiology programs in the US.
- Populated public health science collaborators across other colleges at UAB to increase transdisciplinary science.
- Recruited ~20 faculty, including three full professors and one endowed chair.
- Created the most ethnically and racially diverse department on campus (more than 50% of faculty were non-white).

Professional Experience

2016 - Present	Dean and Norton Healthcare Professor of Epidemiology College of Public Health University of Kentucky
2014 - 2015	Associate Dean for Academics and Strategic Programs School of Public Health University of Alabama at Birmingham
2004 - 2015	Chair and Professor of Epidemiology Department of Epidemiology School of Public Health University of Alabama at Birmingham
2003 – 2004	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
1994 – 1998	Assistant Professor of Epidemiology Division of Epidemiology School of Public Health University of Minnesota
1992 – 1994	American Heart Association Postdoctoral Fellow Department of Epidemiology School of Public Health University of North Carolina

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
2016 - Present	Member, UK's Gill Cardiovascular Institute
2020 - Present	Member, UK's ADORE

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 - 2007	Fellow, Executive Leadership in Academic Medicine (ELAM)
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
2019	Expertscape, World Expert in Hypertension (top 0.8% of hypertension scholars in the past 10 years)
2019	Fellow, Institute for Management and Leadership in Higher Education (MLE), Harvard

2020 Norton Healthcare Professor (Endowed Professorship)

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 - 2012	American Heart Association, Greater Southeast Board of Directors
2008 - 2015	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
2016 – present	Member, External Advisory Board, MCW Cardiovascular Research Center, and Chair 2016-2019
2016 - present	Member, Bridging Research Efforts and Advocacy Toward Healthy Environments (BREATHE) Internal Advisory Group
2016 - present	Member, UK Center for Clinical and Translational Research (CCTS) Internal Advisory Board
2019 - 2020	Co-Chair, UK President's Mental Health Task Force
2020	Member, UK Department of Pediatrics External Departmental Review
2020 - Present	Co-Chair, UK Search Committee, Associate Provost for Graduate Education and Dean of the Graduate School

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 – 2020	Worksite Wellness Conference Committee, American Heart Association, Chair, 2014-2017; current member

2014 – 2020	Member, Oversight Steering Committee, American Heart Association Strategically Focused Research Network for Prevention
2018 – 2019	Co-Chair, ACC/AHA Prevention Guideline Committee
2018 – present	Member, External Advisory Board, American Heart Association's Precision Medicine Initiative
2018 – present	Member, External Advisory Board, American Heart Association's Go Red for Women
2019	AHA-PCORI Selection Advisory Group, Member
2020 – present	Chair, AHA Strategic Advisory Committee, Voices for Healthy Kids
2021 – present	Chair, AHA Scientific Publishing Committee on Conflict of Interest
<i>Service to National or International Committees</i>	
2007	World Congress on Heart Disease 2007 – Scientific Advisory Board of the International Academy of Cardiology and the 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
2018 - 2019	Clusters of Excellence, Germany, Scientific Review Member
2018 - 2020	National Academies of Sciences, Engineering, and Medicine, Committee for the Assessment of the Care and Use of Dogs in Research Funded by or Conducted at the US Department of Veterans Affairs
<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 - 2018	DHHS, Medicare Evidence Development and Coverage Advisory Committee (MEDCAC), Voting Member
2016	NHLBI, Search Committee, Director of the Division of Cardiovascular Diseases, Member
2017	NIH, External Review Committee Member, 5-year review of NHLBI Director
2017 - present	Co-Chair, NHLBI, TOPMED Publications Committee
2017 - present	NHLBI, TOPMED Executive Committee Member
2017 - present	NHLBI, Council of Scientific Advisors, Member
2018 - present	NHLBI, Data STAGE Oversight Committee, Member
2019	NHLBI, Imaging Genomics Scientific Meeting, Co-chair

Grant and Contract Support (~\$60 million in total costs from NIH)

<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 – 02/28/21 (currently in no-cost extension)
<i>Role</i>	Principal Investigator
<i>Title</i>	Community Surveillance of Cardiovascular Disease -- Risk Factor Survey (MHS)
<i>Funding source/type</i>	NIH/NHLBI 5 R01 HL23727
<i>Summary</i>	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.
<i>Period</i>	10/01/94 - 2/28/04
<i>Role</i>	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
Role	Principal Investigator
Title	GenHAT - Genetics of Hypertension Associated Treatments
Funding source/type	NIH/NHLBI 5 R01 HL63082
Summary	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.

Period

09/01/99 – 05/31/11

Role

Principal Investigator

Title

Multidisciplinary Clinical Research Center: Project 1, Genetic and Molecular Markers of Methotrexate Efficacy and Toxicity in Early RA

Funding source/type

NIH/NIAMS P60 AR48095

Summary

This study evaluates the genetic determinants of efficacy and toxicity of methotrexate in early, aggressive rheumatoid arthritis.

Period

09/01/08 – 06/30/13

Role

Principal Investigator

Title

Genome Wide Haplotype Association Analysis

Funding source/type

NIH/NIGMS R01GM081488

Summary

We developed novel statistical and computational methods and software tools for the analysis of haplotypes in mapping of complex human disease genes.

Period

04/01/08 – 03/31/13

Role

Co-Investigator

Title

Genome-Wide Association Studies: Using Integrated CNV and SNP Information

Funding source/type

NIH, University of Pennsylvania Consortium

Summary

This research aims to develop novel ways to integrate single-nucleotide polymorphism and copy number variation data in genome-wide association studies.

Period

07/1/2011 – 06/30/2015

Role

Co-Investigator

Title

The NINDS International Stroke Genetics Consortium Study

Funding source/type

NIH

Summary

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.

Period

07/1 /2010 – 06/30/2018

Role

Co-Investigator

Title

Epigenetic Determinants of Lipid Response to Dietary Fat and Fenofibrate

Funding source/type

NIH R01 HL104135

Summary

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
<i>Role</i>	Principal Investigator
<i>Title</i>	Functional Association Study for LVH Using iPS-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
<i>Role</i>	Co-Investigator
<i>Title</i>	Study of Cardiac Mechanisms in Systematic Hypertension
<i>Funding source/type</i>	NIH/NHLBI R01 HL107577
<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)
<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 – 06/30/18 (Pilots for renewal in progress with submission planned February 2021)
<i>Role</i>	Principal Investigator

Senior & Co-authored Articles, Articles Derived from Grants

1. **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. *Ethn Dis.* 1992;2:10-7.
2. Rinde-Hoffman D, Glasser SP and **Arnett DK**. Update on nitrate therapy. *J Clin Pharmacol.* 1991;31:697-701.
3. **Arnett DK**, Evans GW and Riley WA. Arterial stiffness: a new cardiovascular risk factor? *Am J Epidemiol.* 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. *Am J Cardiol.* 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. *Arch Intern Med.* 1996;156:1983-9.
 7. 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 Med Biol.* 1996;22:545-54.
 8. 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. *J Natl Cancer Inst.* 1997;89:549-56.
 9. 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? *Arch Intern Med.* 1997;157:873-81.
 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). *Am J Cardiol.* 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. *Med Sci Sports Exerc.* 1997;29:901-9.
 12. 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. *Arch Intern Med.* 1997;157:2326-32.
 13. 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? *Am J Hypertens.* 1997;10:1175-89.
 14. Bright PE, **Arnett DK**, Blair C and Bayona M. Gender and ethnic differences in survival in a cohort of HIV positive clients. *Ethn Health.* 1996;1:77-85.
 15. **Arnett DK**, Pankow JS, Atwood LD and Sellers TA. Impact of adjustments for intermediate phenotypes on the power to detect linkage. *Genet Epidemiol.* 1997;14:749-54.
 16. 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. *Obes Res.* 1998;6:107-14.
 17. Glasser SP, **Arnett DK**, McVeigh GE, Finkelstein SM, Bank AK, Morgan DJ and Cohn JN. The importance of arterial compliance in cardiovascular drug therapy. *J Clin Pharmacol.* 1998;38:202-12.
 18. 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. *Thromb Res.* 1998;89:85-9.

19. 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. *Thromb Res*. 1998;89:289-93.
20. **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.
21. Smith MA, Doliszny KM, Shahar E, McGovern PG, **Arnett DK** and Luepker RV. Delayed hospital arrival for acute stroke: the Minnesota Stroke Survey. *Ann Intern Med*. 1998;129:190-6.
22. **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. *Am J Public Health*. 1998;88:1230-3. PMC1508291.
23. 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. *Am J Clin Nutr*. 1998;68:568-75.
24. 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. *Prev Med*. 1999;28:304-12.
25. 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. *Ann Epidemiol*. 1999;9:159-65.
26. **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 Med Biol*. 1999;25:175-80.
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*. 1999;34:201-6.
28. 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. *Am J Epidemiol*. 1999;150:492-500.
29. 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. *Ann Epidemiol*. 1999;9:374-82.
30. 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. *Med Care*. 1999;37:1186-98.
31. 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). *J Hypertens*. 2000;18:27-33.
32. 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*. 2000;49:293-7.
33. 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. *Ann Hum Genet*. 1999;63:401-12.
 34. 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. *Am Heart J*. 2000;139:704-9.
 35. Weinert CR, **Arnett D**, Jacobs D, Jr. and Kane RL. Relationship between persistence of abdominal symptoms and successful outcome after cholecystectomy. *Arch Intern Med*. 2000;160:989-95.
 36. 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. *Am J Hypertens*. 2000;13:240-50.
 37. 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. *Hum Genet*. 2000;106:355-9.
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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, Albareda 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	Training Period	Current Position of Trainee
<i>Pre-doctoral</i>		
Peacock, J	1998-03	Epidemiologist Supervisor Senior at Minnesota Department of Health
Tang, W	1997-02	Associate Professor (tenured), University of MN
Bielinski, S	2003-05	Professor of Epidemiology (tenured), Mayo Clinic
Lynch, A	2002-05	Freelance Epidemiologist/Biostatistician
Sherva, R	2003-06	Research Assistant Professor, Boston University
Potter, D	2002-05	Division of AIDS, National Institute of Allergy and Infectious Diseases, NIH
Meggazini, K	2006-07	Scientist, Westat
Sahasrabudde, V	2003-06	Program Director, National Cancer Institute, NIH
Xiao, Y	2005- 06	Digital Health Team Leader - RWD / Senior Director at AstraZeneca R&D China
Cantrell, R	2004-08	Senior Principal Scientist, Genentech
Jenkins, T	2004- 08	Research Associate Professor, Division of Pediatric General and Thoracic Surgery, Cincinnati Children's Hospital Medical Center
Limdi, N	2005-07	Professor (tenured), University of Alabama at Birmingham
Do, A	2010 - 15	Post-Doctoral Fellow, Mount Sinai School of Medicine
<i>Post-doctoral</i>		
Nunez, E	1999-03	CUORE International, Director of Epidemiology and Statistical Services
Liu, Y	2003-05	Statistician, Northrop Grumman
Wojczynski, M	2006-09	Associate Professor, Washington University in St Louis
Dickson (Irvin), M	2008-11	Associate Professor (tenured), University of Alabama at Birmingham
Wood, A	2009-13	Assistant Professor, Baylor College of Medicine
Aslibekyan, S	2011-13	Senior Scientist, 23andMe

Trainee	Training Period	Current Position of Trainee
Hidalgo, B	2013-14	Associate Professor (tenured), University of Alabama at Birmingham
Das, M	2014	Associate Professor (tenured), Sidho-Kanho-Bisra University (visiting scholar)

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 - 2015
Research Methods in Epidemiology (EPI611)	2006 - 2009
Field Methods in Epidemiology (EPI618)	2006 - 2014
Epidemiology Seminar (EPI695/795)	2009 - 2015

Selected Lectures & Presentations (2013-forward)

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, Lexington, KY
- 2016 "Precision Medicine, Genomics, and Public Health" Department of Biostatistics Golden Jubilee Seminar Series, Washington University, St Louis, MO.
- 2016 "Personalized Medicine and Population Health" University of Kentucky, Center for Clinical and Translational Science keynote presentation, Lexington, KY
- 2016 "Building Health: The Challenges and the Opportunities" University of Kentucky, OB-GYN grand rounds, Lexington, KY
- 2016 "Making Worksite Health Work: Metrics, Implementation Strategies, and Partnerships to Increase Impact" American Heart Association Scientific Sessions, New Orleans, LA
- 2016 "Epigenetic determinants of left ventricular structure and function in hypertensive African Americans from the HyperGEN study" American Heart Association Scientific Sessions, New Orleans, LA
- 2016 "Population Health Transformation: Opportunities and Challenges" Masters in Health Administration Board of Advisors
- 2016 "Precision Medicine Personalized medicine: is cardiology ready?/Medicina personalizada: está pronta a cardiologia?" Cardiovascular Symposium of Beneficiencia Portuguesa Hospital, Sao Paolo, Brazil
- 2017 "Commonwealth Center for Population Health Building Health in the Commonwealth" Humana Bold Goals, Louisville, KY
- 2017 "The Opioid Epidemic: Commonwealth of Kentucky Providing Technical Assistance to Address the Epidemic" US Congressional Briefing, Washington, DC
- 2017 "The Opioid Epidemic: Commonwealth of Kentucky Providing Technical Assistance to Address the Epidemic" ASPPH Leadership Conference, Salt Lake City, UT
- 2017 Population Health Transformation: Opportunities and Challenges, HUMANA Bold Goals Program, Louisville, KY
- 2017 Innovative strategies to build cardiovascular health, 78th Congress Società Italiana di Cardiologia, Rome, Italy
- 2017 Precision Public Health: Balancing Scientific Investment and Prevention, Boston University School of Public Health, Dean's Seminar Series.
- 2018 Precision Medicine & Precision Public Health, American College of Epidemiology Annual Meeting, Cincinnati, OH
- 2018 HyperGEN—Genetics of Left Ventricular Hypertrophy: Omic approaches to understanding echocardiographic traits, Michigan State University, Department of Epidemiology and Biostatistics Seminar, East Lansing, MI
- 2019 What Innovations will Enable Precision Approaches to Stroke Prevention and Treatment? Cerebrovascular Education and Discovery (CED) Talk, International Stroke Conference, Honolulu, HI
- 2019 United for Medical Research Congressional Presentation, The Economic Importance of Investment in NIH Research; Washington DC
- 2019 Precision Public Health: Hype or Hope? The Case for Hope. Association of Schools and Programs of Public Health Annual Meeting, Arlington, VA

- 2019 Strategies to Address the Opioid Crisis, Association of Schools and Programs of Public Health Leadership Meeting, San Diego, CA
- 2019 Precision Medicine and Precision Public Health. U of L Envirome Institute
- 2019 Genomics of Hypertension: A Primer for Clinicians. American College of Cardiology Scientific Sessions, New Orleans, LA
- 2019 Summary of the ACC/AHA Prevention Guidelines, European Society of Cardiology, Paris, France
- 2019 What is New with the ACC/AHA Prevention Guidelines, Interamerican Congress on Cardiology, Buenos Aires, Argentina
- 2020 Inflammation and Cardiovascular Disease: Understanding the Relationship, Preventive Cardiovascular Nurses Association, Madison, WI
- 2020 Cardiovascular Genetic Epidemiology: Examples from the HyperGEN & GOLDN Studies, Washington University in St Louis PRIDE Summer Institute in Cardiovascular Disease Comorbidities, Genetics, & Epidemiology
- 2020 Cardiovascular Genetic Epidemiology, UKY Pathology & Laboratory Medicine Grand Rounds
- 2021 African Ancestry and the Genetic Architecture of Hypertension, AHA Scientific Sessions 2021
- 2021 Promoting Diversity and Navigating Differences in Mentor-Mentee Relationships, AHA Scientific Sessions 2021