

Charles N. Rotimi

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University of Benin, Nigeria	B.S	1979	Biochemistry
University of Mississippi	M.S	1983	Health Care Administration
University of Alabama at Birmingham	MPH	1988	Epidemiology
University of Alabama at Birmingham	PhD	1991	Epidemiology

PROFESSIONAL POSITIONS

1992- 1998	Assistant Professor , Department of Preventive Medicine & Epidemiology, Loyola University Medical Center, Maywood, Illinois
1998 - 1999	Associate Professor , Dept of Preventive Medicine & Epidemiology, Loyola Uni. Chicago
1999 – 2003	Associate Professor , Dept of Microbiology, College of Medicine, Howard University
1999 -2008	Director , Genetic Epidemiology, National Human Genome Center, Howard University, College of Medicine, Washington, DC
2003- 2008	Professor , Department of Community and Family Medicine, College of Medicine, Howard University, Washington, DC.
2004- 2008	Director , Translational Genomic Research in the African Diaspora Program, Howard University, Washington, DC.
2004- Present	Founding and current President , African Society of Human Genetics
2004- 2008	Director , National Human Genome Center at Howard University, Washington, DC.
2006- 2008	Member , Kidney, Nutrition, Obesity and Diabetes Study Section, Center for Scientific Review, National Institutes of Health
2006- Present	Member of Editorial Board, Public Health Genomics
2008 - Present	Director , Center for Research on Genomics and Global Health, NHGRI/NIH
2008 - Present	Senior Investigator , Inherited Disease Branch, NHGRI/NIH
2008 - Present	Member of Editorial Board, Genome Medicine
2008 - Present	Member of Coriell Personalized Medicine Collaborative Board
2008 – Present	Member of the Executive and Scientific Committee for the International Federation of Human Genetics Societies
2009 – Present	Member of the high level working group for the Human Heredity and Health in Africa (H ³ Africa) initiative jointly funded by the NIH and the Wellcome Trust.
2010	Co-Chair : Scientific Planning Committee for the 2010 International Society of Hypertension in Blacks, Washington, DC
2011	Member of Editorial Board, Clinical Genetics

PROFESSIONAL SERVICES

1996 - Present	Grant Reviewer : for multiple institutes at NIH including NHLBI and NIDDK
1995- 1996	Associate Editor : Ethnicity and Disease- Official publication of the International Society on Hypertension in Blacks
1995 - Present	Manuscript Reviewer : Several Professional journals including Science, PLOS journals, American Journal of Human Genetics, Hypertension and International Journal of Obesity.
1997 – Present	Member : PhD Committee for several students
1999 – Present	Consultant : Breast cancer genetics in blacks of African descent- University of Chicago
2000 – Present	Member : Jackson Heart Study Genetics Committee.

2001 – Present **Member Framingham Monitoring Board:** The FHS was initiated in 1948 to provide data on the growing problem of heart disease, stroke and associated CVD in the US.

2001 – 2006 **Mentorship:** Career Development Award – K23 (NIA/NIH)

2001 **Co-Chair American Diabetes Association:** Session entitled Predictors of Diabetes. 61st Scientific Session in Philadelphia, Pennsylvania, June 22-26, 2001.

2001 **Member of Panel:** Planning Meeting on Studying Interactions among Social, Behavioral, and Genetic Factors in Health, NIH

2001 **Member NIH Panel:** First Community Consultation - responsible collection and use of samples for genetic research.

2001 **Abstract Grader for professional annual meetings:** American Diabetes Association

2001 – 2007 **Consultant:** Clinical Research Center, Morehouse School of Medicine, Atlanta, GA

2001 – 2007 **Member:** Stroke Prevention Intervention Research Program (SPIRP) External Advisory Committee, Morehouse School of Medicine, Atlanta, Georgia

2001 **Member of Committee:** International Haplotype Mapping Project (HapMap)

2001 **Member Adi-Map:** An Obesity gene mapping collaborative project. NIDDK/NIH

2001 **International Symposium (member of panel):** Genetics of African Populations: Implications for Studies of Human Origins and Human Disease - American Society of Human Genetics Annual meeting, San Diego, 2001.

2002- 2007 **Member of NICHD Monitoring Board:** National Institute of Child Health and Human Development data safety monitoring committee for the NICHD intramural clinical research programs.

2002 **Secretary's Advisory Committee on Genetic Testing (SACGT): NIH Office of Science Policy:** Panel on Race and Ethnicity. Exploring the Collection, Use and Analysis of Data on Race and Ethnicity in Genetic Research and Genetic Testing

2002 **Expert Audience:** "African Genealogy & Genetics: Looking Back to Move Forward" conference in Minneapolis, MN, June 21 & 22, 2002.

2002 **Member:** Roundtable discussion on "Race, Ethnicity, Genetics, and Health Disparities." This small group meeting helped determine what role the National Human Genome Research Institute should play in addressing the complex relationships among these issues through its research and policy agendas.

2002 **National Symposium – Ethnicity and Epidemiology: Casting race in a new light (the role of genes):** American College of Epidemiology Annual Scientific Sessions – September 22, 2002. Albuquerque, New Mexico

2005 **Member of Panel:** Current Proposals for Responsible Use of Racial & Ethnic Categories. University of Minnesota Law School. April 18, 2005.

2005 – Present **Member,** External Advisory Board - The Center for Genetic Research Ethics & Law, Department of Bioethics, Case Western Reserve University School of Medicine, Cleveland OH

2005 - Present **Member of Committee** - Community Consultation as an Ethics Method. University of Wisconsin-Madison

2004 – 2008 **Member:** Howard University General Clinical Research Center Advisory Council-GCRC.

2006 **Reviewer:** NIDDK Board of Scientific Counselors Review, Bethesda, MD November 2-3

2007 **Member of Panel:** NCI-NHGRI Working Group on Criteria for Replication of Genotype-Phenotype Association.

2007 **Member of Panel:** NHLBI Expert Panel on Human Whole-Exome DNA Resequencing

2007 **Moderator:** NCI Gene-Nutrition and Gene-Physical Activity Interactions in the Etiology of Obesity

2008 - **Nominating Committee Member,** American Society of Human Genetics, 2008

2008- **Member** - Scientific Advisory Committee for Partners Healthcare – The Human Odyssey: Secrets of Our DNA.

2008- **International Scientific Advisory Committee** – The Institute of Infectious Disease and Molecular Medicine, University of Cape Town, South Africa

AWARDS

- 1988 - Patricia Robert Harris Foundation Award for women and members of minority groups with excellent academic achievements (Obtained a GPA of 4.0).
- 1994 - Minority International Research Training (MIRT) Program to investigate familial patterns of blood pressure and hypertension in the US and Nigeria.
- 1996 - Minority International Research Training (MIRT) Program to collect pilot data on Nigerian nuclear families to investigate the genetics of obesity.
- 2005 Recipient of the Howard University College of Medicine 2006 Outstanding Faculty Research Award.

PROFESSIONAL ORGANIZATION

Member:

1. The American College of Epidemiology
2. American Society of Human Genetics
3. International Society on Hypertension in Blacks
4. International Diabetes Federation (IDF)
5. American Diabetes Association Professional Section (ADA)
6. American Heart Association - High Blood Pressure Council
7. African Society of Human Genetics

COMMUNITY SERVICES

CO-CHAIR: Hypertension task force. Loyola University Medical Center and Maywood Community Initiative

CHURCH HEALTH PROGRAMS: Initiated and supervised health programs in churches in Maywood, IL. Activities included health education, blood pressure and cholesterol measurement.

SUPERVISOR: Initiative to attract minority high school students to biomedical research. Initial funds for this program were provided by the NIH Minority high school student research apprentice program. Since relocating to Howard University, Dr. Rotimi, in collaboration with other staff members of the Genetic Epidemiology unit of the National Human Genome Center, has established a similar program with some high schools in the Washington, DC communities. The first student spent his summer (2002) in the Genetic Epidemiology Unit of the National Human Genome Center. We are very happy to say that this student is looking forward to future interactions with biomedical research. As required, he developed a report on the etiology and high prevalence of diabetes in African American communities. Dr. Rotimi has at least one high school student in his lab about every year.

DISEASE PREVENTION AND COMMUNITY EDUCATION: Initiated community programs in Washington, DC and Maryland to provide health education information directly to community members to facilitate disease prevention including early detection of hypertension, diabetes, obesity and associated complications. Presentations are made by study staff in community churches, schools and to organizations that are servicing community members. This is an ongoing project directed at improving the health of our community. This program also facilitate participant enrollment in biomedical research.

INTERNATIONAL EXPERIENCE/SERVICE

INSTRUCTOR: Epidemiology Summer Training Program, College of Medicine, University of Ibadan, Ibadan, Nigeria; July, 1992 to 1994.

PUBLIC LECTURE: Genetic Epidemiology of Common Complex Diseases: A Hypertension Update, Ibadan, Nigeria, January 2000

COMMUNITY AND RELIGIOUS LEADERS AND BIOMEDICAL INVESTIGATORS: Conducted focus group meetings on bioethical issues in the conduct of genetic epidemiology studies in developing countries. Ibadan, Nigeria. January 2000.

LEAD DISCUSSANT: Symposium on the epidemiology and pathogenesis of chronic diseases in developing countries. College of Medicine, University of Ibadan, Ibadan, Nigeria; July, 1992.

RESEARCH TRAINING: Traveled to Ghana, Nigeria, Cameroon, Kenya, South Africa and Jamaica to conduct research in the epidemiology and genetics of hypertension, obesity and diabetes. In the process of conducting these research activities, we provided to the local investigators training in the development of research protocol and implementation of research designs given local constraints. **1994 to present**

MENTORSHIP: Continue to serve as mentor to faculty and students at multiple African institutions

INTERNATIONAL MEETINGS/PRESENTATIONS: Have participated, as a moderator and presenter in several international professional meetings in multiple countries including Hong Kong, China, Canada, UK, France, Germany, Australia, Brazil, Mexico, Dubai, Egypt, Cameroon, Sudan, South Africa, Kenya, Ethiopia, Ghana and Nigeria (see abstracts and presentation section of this CV for listings).

PRESIDENT - AFRICAN SOCIETY OF HUMAN GENETICS (AfSHG): As indicated above, Dr. Rotimi is the founding and current president of the AfSHG. The AfSHG is an international organization with the goal of engaging African researchers and other researchers interested in Africa in genomic research. Since its inception the society has provided a forum for African scientists and students to interact and exchange information in the field of genomic research. The AfSHG forum along with Dr. Rotimi's research interests has provided him access to a wonderful group of scientists and students who are excited about the possibilities of using genomic tools to impact health for African people and the global community.

TEACHING

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| 1992 - 1994 | Co-course Directors: Annual epidemiology workshop of the West African epidemiology training center at Ibadan, Nigeria. Joint effort: University of Ibadan, Nigeria, Loyola University Medical Center in Chicago, CDC and USAID -Lagos, Nigeria Division. |
| 1994 | Course Director: Preventive Medicine and Epidemiology Course for Medical School Students. Loyola University, Chicago |
| 2000 – 2004 | Participating Lecturer: Infectious (pathogens) Diseases Epidemiology - Department of Microbiology, College of Medicine, Howard University |
| 2000 | Cardiology Lectures: Conducted lecture series for cardiology residents at Howard University Hospital on epidemiology and statistics including study design, hypothesis testing and review of medical literature (September 13, 2000 to October 25, 2000). |
| 2001 - 2008 | Member of PhD Committee: Department of Microbiology, Howard University |
| 2001 – 2004 | Special Topic Course: Participating Faculty - Department of Microbiology: Molecular Evolution and Disease |
| 2002 | Guest Lecturer: BSCI416 Syllabus: Biology of the Human Genome (3 credits) SPRING 2002 |

University of Maryland, Department of Biology, College Park, MD

- 2002
2002 - **Seminar Coordinator:** Department of Microbiology.
New Graduate Course (fall 2002): Dr. Rotimi designed a new graduate course for the Department of Microbiology students. The goal of the course entitled “**Research Methodology**” is to educate students on the philosophy of research. Course is open to graduate students at any level interested in developing independent research skills. Emphasis is on how to develop proposals directed at investigating specific questions in biomedical research.
- 2005-2008 **Lecturer: Community and Family Medicine:** Introduction to research design, case-control studies – sources of bias, clinical trials and the concepts of screening & diagnosis
- 2008 **Mentor:** American Society of Human Genetics Trainee-Mentor Luncheon, Philadelphia, PA, November 12, 2008
- 1999 – Present **Mentor:** Several students (undergraduate, graduate, post docs and research fellows) at Howard University and the National Institutes of Health.

FUNDED GRANTS AS PRINCIPAL INVESTIGATOR OR CO-INVESTIGATOR

- (1) **R01-DK072128 Rotimi (PI) \$1,715,095**
NIDDK (Fine mapping and positional cloning of diabetes genes)

We proposed to conduct SNP typing on chromosome 5 and 19. A total of 4,608 SNPs in 460 sibships (n=1380 persons) at a density of 5-6 kb within genes and 11-12 kb for intergenic regions was requested. Linkage and family-based association analyses will be conducted. Identified candidate genes/loci will be re-sequenced and functional SNPs will be typed in 1000 cases and 1000 controls to perform ethnically matched association and LD mapping studies. Phenotype/genotype association will be assessed and functional associations will be repeated in four groups – Yoruba, Nigeria; Luhya, Kenya; African Americans and Finnish in the FUSION study.

- (2) **R01 DK58000 Rotimi (PI) \$1,976,567**
NIDDK (Genetics of Obesity in Blacks)

The goal of this project is to develop a family study of African Americans and Nigerians to identify genetic and environmental factors that contribute to the risk of obesity in a cross-cultural setting. The pattern of inheritance of obesity is model in a cross-cultural setting with widely contrasting environments. In addition to newly reported genes, we proposed to evaluate the role of the following candidate genes, a quantitative trait locus (QTL) on chromosome 7 (ob gene locus), QTL on chromosome 2; pro-opiomelanocortin (POMC); beta3-adrenergic receptor (beta3-AR); Thyroid hormone receptor genes (TR-beta and TR-alpha); Uncoupling protein-2 and -3 (UCP2, UCP3 locus); melanocortin-4 receptor (MC4R locus).

- (3) **N01- HG-85432 Rotimi (PI) \$7,332,619**
DHHS-NIEHS NCMHD/NHGRI (Africa America Diabetes Mellitus Study)

The purpose of this study is to map type 2 diabetes genes in West African ancestral populations of African-Americans, through an international collaboration between West African and US investigators. This ongoing collaboration has enrolled and examined 400 affected sib-pairs along with 200 unaffected spouse controls from West Africa, with two sites in Ghana (Accra and Kumasi) and three in Nigeria (Enugu, Ibadan and Lagos). The next phase is to enroll other family members of the affected sibling

pairs to develop a series of nuclear and extended pedigrees. Our strategy is to develop a database containing high quality demographic, epidemiologic and pedigree information in conjunction with blood samples collected for biological assessment and isolation of high quality DNA for whole genome scans. This international collaborative effort brings together the expertise of investigators from multiple disciplines including epidemiology, endocrinology and genetics. Furthermore, the collaboration presents unique opportunities to scientists in developing countries to actively participate in human genome research and will in the future facilitate research activities directed at understanding the etiology of other common complex diseases.

- (4) **S06-GM008016-32 Rotimi (PI) \$1,354,148**
(Genetic Epidemiology of Hypertension in African American Families)

We propose to determine the contribution of selected genetic and environmental factors to hypertension and BP distribution in large multigenerational population-based African American families enrolled from the Washington, DC communities. We have so far enrolled and examined over 300 African Americans families with over 1700 persons from multiple generations. We refer to this study as the Howard University Family Study.

- (5) **P41-HG02677 Rotimi (PI) \$1,860,066**
NHGRI/NIH (Engaging African Communities for the HapMap Project)

We propose to design and implement a culturally appropriate community engagement program that will result in the recruitment of subjects in three sub-Saharan populations (Kenya: Luyha and Maasai; Nigeria: Yoruba) to donate DNA samples for both the International Haplotype Mapping Project and an ongoing research program at Howard University called "Translational Genomic Research in the African Diaspora".

- (6) **R01 HG02207-04 Rotimi (Co-Investigator)**
NIH/NHGRI (ELSI) (Consent in Genetic Research: An International Trial)

The proposed study will develop, test, and implement a videotaped educational intervention to improve informed consent for genetic epidemiological research on hypertension and breast cancer being conducted with populations of African heritage in the U.S. and Nigeria

- (7) **R01-CA098663 Rotimi (Co-investigators; PI: Julie Palmer)**
NCI (Black Women Health Study) (\$403,477 sub-contract)

Dr. Rotimi is one of the investigators for the ongoing Black Women Health Study (BWHS). The BWHS is a national cohort of black women assembled in 1995 to study causes of illness in black women. It includes approximately 59,000 women aged 21-69 at baseline. Detailed information on diet, lifestyle factors, and disease endpoints was collected at baseline and in biennial follow-up questionnaires. Dr. Rotimi's lab is responsible for receiving, isolating and tracking DNA samples on these women. On average, his lab receives and processes about 80 DNA samples daily. We have processed over 25,000 DNA samples to date.

- (8) **R01 HG02207-01 (PI: Marshall) Rotimi (Co-Investigator) \$1,199,937**
NHGRI (ELSI) (Informed Consent and Concept of Race in Genetic Research)

The goals of this project are to: 1) define existing processes for obtaining informed consent in genetic research on hypertension and breast cancer currently being conducted in metropolitan Chicago and Nigeria; 2) identify mechanisms to ensure culturally appropriate informed consent that are maximally

informative and protective for all research participants; 3) examine the ways in which the cataloguing of new DNA polymorphisms interact with and perpetuate current concepts of race, ethnicity and culture; and 4) identify mechanisms for appropriate use of the concepts of race, ethnicity and culture in genetic epidemiological research in order to foster the development of effective clinical intervention and access to health care for all ethnic populations

- (9) **Mordecai Wyatt Johnson Program Rotimi (PI) \$370,000**
Genetics of obesity in populations of the African Diaspora: implications for increased susceptibility to breast cancer

Genetics of obesity in populations of the African Diaspora: Implications for increased susceptibility to breast Cancer. The goal of this study is to enroll 300 multi-generational families of at least 5 persons per family from the Washington, DC and surrounding Maryland communities to study the molecular basis of obesity and the potential contribution of obesity candidates to breast cancer risk. In addition, this study will evaluate the determinants of participation of African Americans in genetic epidemiology studies.

- (10) **N01-HC-95170 Rotimi (PI) \$1,392,832**
NHLBI-Jackson Heart Study (Jackson Heart Study/Howard University Collaboration)

The goal of this project is to contribute to the successful establishment of a large well-characterized population-based cohort of African American pedigrees to the complex interaction between environmental and genetic factors in the etiology of heart diseases and associated complications. Howard University is expected to provide genetic epidemiology training to Jackson Heart Study investigators and students and increase community participation in biomedical research with the ultimate goal of reducing health disparity

- (11) **Genome scan: CIDR/NHGRI Rotimi (PI) Estimated cost of project - \$1,400,000**
(In Search of Susceptibility Genes for Type 2 Diabetes in West Africa)

To conduct a genome scan on 800 affected sibling pairs with type 2 diabetes and 200 controls using a 10 cM map of genetic markers. To conduct statistical analysis on the resulting data from the genome scan including linkage analysis of the ASP based on the probability that siblings share zero, one and two genes IBD at the putative disease locus. In addition, linkage analysis of diabetes-related quantitative traits will be conducted. To type additional markers and conduct further statistical analysis on informative regions from the genome scan data to rule "in" - likely true positive or rule "out" likely true negative results. To sequence informative regions to identify and clone diabetes susceptibility genes.

- (12) **R29 HL52075-03 Rotimi (PI)**
NHLBI/NIH (Hypertension in Families of African Origin)

Goals are: 1.) Determine whether the familial aggregation of BP in black populations is influenced by the overall distribution of environmental factors at the population level by contrasting the distribution of familial correlations of BP, and the familial aggregation of HTN, in Ibadan and Chicago. 2.) Determine significance of measured environmental correlates of BP in each environment. 3.) Use path analysis to obtain estimates of the genetic and cultural heritability of BP within each population.

- (13) **NHGRI/NIH (Ethical Issues in the Conduct of Genetic Epidemiology Research on Complex Disease: A Study of Informed Consent Procedures in Urban and Rural Nigeria) Rotimi (PI)**

Describe the formal structures in place for ethical review of the genetic epidemiological research protocols in Chicago, Illinois, and in urban (Lagos and Ibadan) and rural (Igbo-Ora) sites in Nigeria.

Design, pre-test and implement a survey addressing subjects' understanding of and response to informed consent for participation in genetic epidemiological research on hypertension, Type-II diabetes, and breast cancer in Chicago, Illinois, and in Lagos, Ibadan and Igbo-Ora, Nigeria. Drawing on concepts from behavioral decision theory, this survey will examine the influence of a potential subject's understanding of research goals, perceptions of the risks and benefits of participating in research, reasons for consent or refusal to participate in the study, and satisfaction with the consent discussion. The stratified sample of three patient populations allows for an assessment of informed consent for genetic epidemiological research on diseases that differ in terms of the availability of treatments and the degree to which they are perceived to be life threatening.

(14) R01 NL45508-07 (Cooper) Rotimi (Co-Investigator)
NHLBI/NIH (Hypertension in Populations of West African Origin)

Goals are: 1.) To complete and analyze cross-sectional data on blood pressure and risk factors in 12,000 adults from three populations (West Africa, The Caribbean and The US). 2.) To extend survey to Caribbean migrants in the United Kingdom. 3.) To perform detailed studies on the origin of hypertension in the source population - Africa. 4.) Evaluate trends in BP over a four year period. 5.) Determine prevalence of CV sequelae and conduct a follow-up study of the 12,000 participants enrolled in the previous period. 6.) Recruit/examine families in each population. 7.) Determine the frequency of DNA markers in sub-sample from each site to establish genetic distance. 8.) Study candidate genes for hypertension to assess potential contributed to risk.

(15) R01 HL53353-03(PI: Cooper) Rotimi (Co-Investigator)
NHLBI/NIH (The Genetics of Hypertension in Blacks)

Goals are: 1) determine the contribution of genes underlying the renin-angiotensin system in each population and, by contrasting the results between populations, estimate the degree to which genotype-environmental interactions contribute to hypertension among African Americans. 2.) Use family studies to evaluate the extent to which candidate genes for the renin-angiotensin system co-segregate with hypertension, as well as the intermediate phenotypes.

(16) U10 HL54485-03 (PI: Cooper) Rotimi (Co-Investigator)
NHLBI/NIH (Field Center: Genetics of Hypertension)

Goals are: 1.) Conduct training and monitor quality control of the epidemiologic field. 2.) Collect BP related phenotypic data and DNA on 200 African-American sibships. 3.) Make available DNA from 3,500 persons of African descent. 4.) Initiate study of candidate genes involving the renin-angiotensin system and assay circulating hormone levels for the network. 5.) Oversee data management for the two field centers, and participate in the analysis of the epidemiologic data.

(17) ROCHE MOLECULAR SYSTEMS (Genetic Determinant of Hypertension) Rotimi (PI)

The goals of this project are to assist the research community in identifying the most important genetic markers for CVD. Of particular interest are those genes for which phenotypic measurements (e.g., protein levels or activity) are variable for any individual or generally difficult to measure. In addition, this project will develop a clinically informative panel of genetic markers for CVD. This panel will be used in conjunction with current serum cholesterol measurements. For an affected individual, this information may be used to determine the most effective treatment. For family members of an affected person, this information could be used to estimate genetic disposition to premature CVD and consequently suggest certain lifestyle precautions.

PUBLICATIONS (n=157):

1. Alozie TC, Rotimi CN, Oyibo BB. Production of aflatoxin by *Aspergillus flavus* (UBMI) in some Nigerian indigenous beverages and foodstuffs. *Mycopathologia* 1980; 70:125-128.
2. Rotimi, CN, Salah el-Dean, Freeman, R.A., Lee EA. Students' attitudes towards university health services. *Adolescence* 1986; 21 (82) : 421-429.
3. Rotimi, C. N., Austin H., Delzell E., Day C., Macaluso M., Honda Y. Retrospective follow-up study of foundry and engine plant workers. *Am J Ind Med* 1993; 24:485-498
4. Foster C, Rotimi CN, Fraser H, et al: Hypertension, diabetes and obesity in Barbados: Findings from a recent population-based survey. *Ethnicity Dis*, 1993; 3:404-412
5. Rotimi CN, Cooper RS, Sundarum CB, Cao G. Familial Aggregation of cardiovascular diseases in African-American Pedigrees: *Genetic Epidemiology* 1994; 11: 397-407.
6. Cooper RS, Rotimi C. Establishing the epidemiologic basis for prevention of cardiovascular diseases in Africa. *Ethn Dis* 1993; 3 suppl: S13-22
7. Rotimi CN, Morrison L, Cooper R, Oyejide C, Effiong E, Ladipo M, Osotemihen B, Ward R. Angiotensinogen gene in human hypertension: Lack of an association of the M235T allele among African Americans. *Hypertension*, 1994; 24: 591-594.
8. Cooper RS, Rotimi CN: Hypertension in populations of West African origin: Is there a genetic predisposition? *J Hypertension* 1994; 12:215-227
9. Rotimi CN, Cooper RS, Ataman SL, Osotimehin B, Kadiri S, Muna W, Kingue S, Fraser H, Gervais H, McGee D. Distribution of Anthropometric variables and the prevalence of obesity in populations of West African origin: The international collaborative study on hypertension in blacks (ICSHIB). *Obesity Research* 1995; 3(suppl 2): 95s.
10. Cooper RS, Rotimi CN. Absence of Black-White differences in sodium and calcium in Platelets. *Am J Hypertens* 1995; 8:558-664
11. Rotimi CN, Cooper RS: Familial resemblance of anthropometric measurements and relative fat distribution among African Americans. *Int J Obes* 1995; 19:875-880.
12. Cooper RS, Cheng HY, Rotimi CN. Basal and Stimulated Platelet calcium and sodium in hypertensive versus normotensive black people. *J Human Hypertension* 1995; 9:747-752.
13. Cooper R, Rotimi C, Kaufman J, Luke Amy. Nutritional Status in rural Nigeria. *Lancet* 1996;347:331-332
14. Freeman V, Rotimi C, Cooper R. Hypertension prevalence, awareness, treatment and control among African Americans in the 1990s. Estimates from the Maywood Cardiovascular Survey. *Am J Prev Med* 1996; 12:177-85
15. Cooper RS, Liao Y, Rotimi C. Is hypertension more severe among US blacks, or is severe hypertension more common? *Ann Epidemiol.* 1996; 6:173-80

16. Kaufman JS, Owoaje EE, James SA, Rotimi CN, Cooper RS: Determinants of hypertension in West Africa: Contribution of anthropometric and dietary factors to urban-rural and socioeconomic gradient. *Am J Epidemiol* 1996;143(12):1203-1218.
17. Freeman V, Fraser H, Forrester T, Wilks R, Cruikshank JK, Rotimi C, Cooper R. A comparative study of hypertension prevalence, awareness, treatment and control in St. Lucia, Jamaica, and Barbados. *J Hyperten* 1996; 14:495-501.
18. Rotimi CN, Puras A, Cooper RS, McFarlane-Anderson N, Forrester T, Ogunbiyi O, Morrison L, Ward R. Polymorphisms of Renin-Angiotensin Genes Among Nigerians, Jamaicans and African Americans. *Hypertension* 1996; 27:558-563
19. Forrester T, McFarlane-Anderson N, Bennet F, Wilks R, Puras A, Cooper R, Rotimi C, Durazo R, Tewksbury D, Morrison L. Angiotensinogen and blood pressure among blacks: findings from a community survey in Jamaica. *J Hypertension* 1996; 14:315-321.
20. Kaufman JS, Durazo-Avizu RA, Rotimi CN, McGee DL, Cooper RS (for the ICSHIB investigators). Obesity and hypertension prevalence in populations of African Origin. The investigators of the international collaborative study on hypertension in blacks. *Epidemiology* 1996; 7(4):398-405.
21. Cooper R, Muna W, Kingue S, Osotimehin B, Kadiri S, Rotimi C, Kaufman J. The Burden of Hypertension in Rural Africa: Results from the International Collaborative Study on hypertension in Blacks (ICSHIB). *Tropical Cardiology*, 1996;22(87):69-75.
22. Ataman SL, Cooper R, Rotimi CN, McGee D, Osotimehin B, Kadiri S, Muna W, Kingue S, Fraser H, Forrester T, Bennett F, Wilks R. Standardization of blood pressure measurement in an international comparative study. *J Clinical Epidemiol*, 1996: 49:869-877
23. Asuzu MC, Johnson OO, Owoaje EE, Kaufman JS, Rotimi CN, Cooper RS: Questions on adult mortality. *World Health Forum* 1996;17:373-376.
24. Luke A, Durazo-Arvizu R, Rotimi CN, Prewitt ET, Forrester T, Ogunbiyi JO, Owoaje E, et al. Relationship between body mass index and body fat in black population samples from Nigeria, Jamaica and the United States. *Am J Epidemiol* 1997; 145:620-628.
25. Kaufman JS, Rotimi CN, Brieger WR, Oladokun MA, Kadiri S, Osotimehin BO, Cooper RS. The mortality risk associated with hypertension: Preliminary results of a prospective study in rural Nigeria. *J Human Hypertension*, 1996; 10:461-464
26. Cooper R, Rotimi C, Kaufman JS, Osotimehin BO, Muna W, Kingue S, Fraser H, Forrester T, Wilks R, Cruickshank K. Prevalence of NIDDM among populations of the African Diaspora. *Diabetes Care* 1997; 20:343-348.
27. Cooper R, Rotimi C, Ataman S, McGee D, Osotimehin B, Kadiri S, Muna W, Kingue S, Fraser H, Forrester T, Bennett F, Wilks R. The prevalence of hypertension in seven populations of West African Origin. *Am J Public Health*. 1997; 87:160-168.
28. Owoaje E, Rotimi CN, Kaufman JS, Tracy JA, Cooper RS. Prevalence of adult diabetes in Ibadan, Nigeria. *East African Medical Journal* 1997; 74:299-302.

29. Rotimi CN, Cooper RS, Marcovina SM, McGee D, Owoaje E, Ladipo M, Serum distribution of lipoprotein(a) in African Americans and Nigerians: potential evidence for a genotype-environmental effect. *Genetic Epidemiology* 1997; 14(2): 152-168.
30. Rotimi C, Luke A, Li Z, Compton JA, Bowsher RR, Cooper RS. Heritability of plasma leptin in a population sample of African-American families. *Genetic Epidemiol* 1997; 14:255-263.
31. Kaufman JS, Asuzu MC, Rotimi CN, Johnson OO, Cooper RS: The Absence of Adult Mortality Data for Sub-Sahara Africa: A Practical Solution. *Bulletin of the World Health Organization*, 1997; 75:389-395.
32. Cooper R, Rotimi C. Hypertension in Blacks. *Am J Hypertension* 1997; 7:804-812
33. Rotimi CN, Cooper RS, Ogunbiyi O, Morrison L, Ladipo M, Tewksbury D, Ward R, Hypertension, Serum Angiotensinogen and Molecular Variants of the Angiotensinogen Gene among Nigerians. *Circulation* 1997; 95:2348-2350.
34. Forrester T, McFarlane-Anderson N, Bennett FI, Wilks R, Cooper R, Rotimi C, Morrison L, Ward R. The angiotensin converting enzyme and blood pressure in Jamaicans. *Am J Hypertens* 1997;10:519-524.
35. Austin H, Delzell E, Lally C, Rotimi C, Oestenstad K. A case-control study of lung cancer at a foundry and two engine plants. *Am J Ind Med* 1997; 31: 414-21.
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150. Rotimi CN, Jorde LB. Ancestry and disease in the age of genomic medicine. *N Engl J Med.* 2010 Oct 14;363(16):1551-8. Review
151. International HapMap 3 Consortium. Integrating common and rare genetic variation in diverse human populations. *Nature.* 2010 Sep 2;467(7311):52-8.
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- SNP rs7903146 is the Causal Diabetes Susceptibility Variant. *Diabetes*. 2010 Oct 27. [Epub ahead of print]
153. 1000 Genomes Project Consortium. A map of human genome variation from population-scale sequencing. *Nature*. 2010 Oct 28;467(7319):1061-73.
 154. Sudmant PH, et al. 1000 Genomes Project: Diversity of human copy number variation and multicopy genes. *Science*. 2010 Oct 29;330(6004):641-6.
 155. Burke W, et al. Ickworth Group. Extending the reach of public health genomics: what should be the agenda for public health in an era of genome-based and “personalized” medicine? *Genet Med*. 2010 Dec;12(12):785-91.
 156. Sumner AE, ---, Rotimi CN, Tulloch-Reid MK, Goedecke JH. Waist Circumference, BMI, and Visceral Adipose Tissue in White Women and Women of African Descent. *Obesity (Silver Spring)*. 2010 Sep 16. [Epub ahead of print]
 157. Sumner AE, --- Rotimi CN, Sarpong DF. The triglyceride/high-density lipoprotein cholesterol ratio fails to predict insulin resistance in African-American women: an analysis of Jackson Heart Study. *Metab Syndr Relat Disord*. 2010 Dec;8(6):511-4. Epub 2010 Aug 17.
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 159. Wonkam A, Muna W, Ramesar R, Rotimi CN, Newport MJ. Capacity-building in human genetics for developing countries: initiatives and perspectives in sub-Saharan Africa. *Public Health Genomics*. 2010;13(7-8):492-4. Epub 2010 Mar 23.
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 161. Charles BA, Shriner D, Doumatey A, Chen G, Zhou J, Huang H, Herbert A, Gerry NP, Christman MF, Adeyemo A, Rotimi CN. A genome-wide association study of serum uric acid in African Americans. *BMC Med Genomics*. 2011 Feb 4;4:17.
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PRESENTATIONS AND ABSTRACTS – locations of international presentations are bolded.

1. Rotimi CN, for the ICSHIB investigators. Study organization, sampling scheme and standardization procedures for the International Collaborative Study on Hypertension in Blacks. International Society on Hypertension in Blacks (ISHIB): Atlanta, GA, 1992.

2. Cooper RS, Rotimi CN, Ataman SL for the ICSHIB investigators. The Prevalence of Obesity and NIDDM in Populations of African Origin: The International Collaborative Study of Hypertension in Blacks (ICSHIB). Workshop on Prevention of Obesity: Populations at Risk, Etiologic Factors and Intervention Strategies (NIDDK, NIH): September 22-24, 1993
3. Rotimi CN, Cooper RS, Ward RH, Morrison L. The role of the angiotensinogen gene in human hypertension: Absence of an association among African Americans. *Genetic Epidemiol.* 1993; 10:339
4. Rotimi CN, Cooper RS, Sundarum CB, Cao G. Familial resemblance of cardiovascular disease risk factors among African Americans in the Chicago area. *Genetic Epidemiology* 1993; 10:340
5. Rotimi CN, Cooper RS. Health family study of persons of African origin. The fifth congress of the Pan-African Society of Cardiology in conjunction with 8th International Interdisciplinary Conference on Hypertension in Blacks. International Society on Hypertension in Blacks: **Cameroon**, April, 1993.
6. Cooper RS, Rotimi CN, Fraser H. Prevalence of hypertension and obesity in black populations: The international collaborative study of hypertension in blacks. The American Society of Hypertension, 1993
7. Ataman SL, Cooper R, Rotimi CN, McGee D: Quality control in a large epidemiologic survey: a case study. 1994 APHA Annual Meeting and Exhibition #2018 page 116.
8. Rotimi CN, Cooper R, Asuzu M et al: Ascertainment of major causes of mortality in an urban Nigerian community: The ICSHIB Study. 1994 APHA Annual Meeting and Exhibition.
9. RB Lipton, RS Cooper, C Rotimi, B Osoimehin, W Muna, H Fraser, D McGee. Obesity and its relationship with self-reported diabetes among peoples of the African diaspora. American Diabetes Association. Jan 1994
10. Kaufman JS, James S, Rotimi CN, Effiong E. High blood pressure in urban and rural Nigeria: Dietary, psychosocial and anthropometric determinants. *Circulation* 1995; 91:29 #16.
11. Rotimi CN, Marcovina S, Schork N: Levels of Lp(a) and frequency of Apo(a) isoforms in Africans and African Americans: Environmental effects as estimated within and across populations. *Circulation* 1995; 91:31-p3.
12. Luke A, Rotimi CN, Ogunbiyi O, Owoaje E, Forrester T, Umpporowicz D, McGee D, Cooper R. Relationship of body mass index and body fat in genetically similar populations. *FASEB J* 1995; 9: A1016
13. Rotimi CN, Cooper RS. Familial correlations of anthropometric variables and relative fat distribution among African Americans. *Genetic Epidemiol* 1995; 12:325.
14. RS Cooper, CN Rotimi. Hypertension in populations of West African origin. *Am J Epidemiol* 1995; 141: S79
15. Prewitt TE, Luke A, Rotimi C, Cooper R, McGee D. Adiposity in black populations from diverse environments. *AHA* 1996.
16. Cooper RS, Rotimi CN, Ward R, Morrison L, Ogunbiyi O, Forrester T. Angiotensinogen microsatellites not associated with hypertension in US, Caribbean or West African populations. *Hypertension* 1996

17. Cooper RS, Rotimi CN, Luke A, Kaufman J. Is body fat the determinant of the obesity-blood pressure relationship? *Hypertension*, 1996
18. Cooper RS, Rotimi CN, Li Z, Ward R, Ogunbiyi O. Familial aggregation of blood pressure in a Nigeria population. *Hypertension*, 1996
19. Rotimi C, Cooper R, Owoaje E, Fraser H, Forrester T, Wilks R, Cruickshank K. The evolution of non-insulin-dependent diabetes mellitus risk among populations of the African diaspora. *Am J Epidemiol*, 1996
20. Rotimi CN, Cooper RS, Cao G, Li Z: Heritability of body mass index in a black population in a low risk environmental setting. *Genetic Epidemiology* 1996; 13:#17 305 (**Brazil**)
21. Rotimi CN, Heritability of plasma leptin in a population sample of African-American families. Sixth Annual meeting of the International Genetic Epidemiology Society, Baltimore, MD, October 1997
22. Prevalence of diabetes and impaired glucose tolerance in a Nigerian Community. Lagos, Benin, and Ibadan, **Nigeria**. June 5, 1997.
23. Rotimi CN. Genetic Epidemiology of Hypertension: Opportunities presented by populations of the African Diaspora. *Human Biology*, Salt Lake City, Utah - April, 1998.
24. Obesity in the United States. Maywood, IL, and Idere, Nigeria. April 28, 1998.
25. Rotimi CN, Genetic and Environmental determinants of hypertension: A review of findings from the International Collaborative Study of Hypertension in Blacks (ICSHIB). RCMJ Symposium, Howard University, Washington, DC, March, 1998
26. Rotimi CN, Cooper RS, Cao G, Ogunbiyi O, Ladipo M, Owoaje E, Ward R. Maximum likelihood generalized heritability estimate of blood pressure among Nigerian families. Seventh Annual meeting of the International Genetic Epidemiology Society, **Arcachon, France, September, 1998**
27. Scientific meeting of the International Society of hypertension. **Amsterdam, Netherlands. 7-11 June 1998**
28. American Diabetes Association. The 58th Annual Meeting and Scientific Sessions. McCormick Place, Chicago Illinois June 11-16, 1998
29. Rotimi CN. Genetics of hypertension. Nutritional Sciences Seminar, Spring –1999, University of Wisconsin-Madison
30. Broeckel U, Shiozawa M, Fallin D, Wick GS, Cooper RS, Rotimi CN, Nobrega M, Provoost AP, Schork NJ, Jacob HJ. Comparative Mapping and linkage disequilibrium of the rat RF-1 region identifies a haplotype associated with hypertensive end-stage renal disease in humans. *Genome Sequencing and Biology*, 1999.
31. Hypertension of Africans: Motherland to the Diaspora. **Toronto, Canada**. July 13, 1999.
32. Global Forum for Bioethics in Research. Bethesda, Maryland. November 7-10, 1999.
33. Bioethics and community-Based Research: Safeguarding the community (The Jackson Heart Study), May 2000.

34. Health Disparity – Attendee: A challenge and call to action for the new millennium Washington, DC, April 16 – 19, 2000.
35. First Community Consultation on Responsible Collection and Use of Samples for Genetic Research “Lessons to be Learned from International Experiences” September 25-26, 2000 (NIH - Bethesda Marriott Hotel, Maryland)
36. Genetics of complex diseases: An Hypertension Update. August 2000. University of Ibadan, **Ibadan, Nigeria**
37. Informed Consent in international Genetic Epidemiology. Chicago and Nigeria. October 19, 2000.
38. ELSI Human Genetic Variation RFA Consortium Meeting. Rockville, Maryland. October 24-25,2000.
39. Ethnic Challenges in Genetic Epidemiological Research. The University of Texas, Southwestern Medical Center, Dallas, Texas. January 9, 2001.
40. Genetics Epidemiology of complex diseases: An update on the African Diaspora. U of Maryland: March, 2001
41. Ethical Challenges in Genetic Epidemiology Research. The University of Texas, Southwestern Medical Center, Dallas, Texas; January, 2001
42. Association between Tumor Necrosis Factor-alpha (TNF-a) and Correlates of Insulin Resistance in a Cohort of Type 2 Diabetic Patients from West Africa. International Diabetes Federation, Nov 2000, **Mexico City, Mexico**
43. In Search of susceptibility of genes for type 2 diabetes in West Africa: Ancestral Population of African Americans. American Society of Human Genetics workshop on West African Genetic Diversity, October 4, 2000, San Diego, CA
44. Howard University Family Study: A Community Awareness Meeting between Howard University Scientists and Elected Representatives from Washington, DC Neighborhoods Place: Genome Center. Date: February 23, 2001
45. Genetics of complex diseases: an update on the African Diaspora. John Hopkins School of Public Health. October 2001.
46. Ethical Challenges in Genetic Epidemiological Research. Decade of ELSI conference. Washington, D.C, January 13, 2001.
47. “In search of susceptibility genes for type 2 diabetes in West Africa”. Baltimore, Maryland. Feb 8, 2001.
48. Engaging the community in Biomedical Research. Washington, DC. February 23, 2001.
49. Epidemiology. Philadelphia, Pennsylvania. June 22-26, 2001.
50. Predictors of Diabetes. Philadelphia, Pennsylvania. June22-26, 2001.
51. Environmental and Genetic Influences on Human Health. **Garmisch-Partenkirchen, Germany.** Sept 1-8, 2001.

52. International Genetic Environmental Epidemiology Society. **Munich, Germany.** September 2-4, 2001.
53. From Laboratory Investigation to Clinical Practice. **Quebec, Canada.** October 7-10, 2001.
54. Third Global Forum on Bioethics in Research. **The Gambia.** November 7-9, 2001.
55. Genetics of Type 2 diabetes – Fine-mapping of an informative genomic region on chromosome 20. University of Michigan. December, 2001
56. Third global forum on bioethics in research: 21 – 23 February 2002, Holiday Inn Cape Town Strand Street **Cape Town, South Africa**
57. Processes for collecting samples: Planning the First Large-Scale Phase of the Haplotype Map Project. Washington A Conference Room, Hyatt Regency Crystal City, Arlington, VA January 16, 2002
58. Informed consent and the concept of race in genetic epidemiology research. ELSI Genetic Variation RFA Consortium Meeting, January 22-23, 2002, Chevy Chase, MD
59. Exploring the Collection, Use and Analysis of Data on Race and Ethnicity in Genetic Research and Genetic Testing. Bethesda, Maryland. February 14, 2002.
60. “In search of type II diabetes genes in populations of the African Diaspora”. Atlanta, Georgia. May 3, 2002.
61. Collection, Use and Analysis of Data on Race and Ethnicity in Genetic Research (The Jackson Heart Study). Jackson, Ms. June 17, 2002.
62. “African Genealogy & Genetics: Looking Back to Move Forward”. Minneapolis, MN. June 21-22, 2002.
63. “Race, Ethnicity, Genetics, and Health Disparities”. Herndon, Virginia. August 7, 2002.
64. Planning Workshop on Relating Genetic Variation to Health and Disease. Bethesda, MD. Aug 2002.
65. Bioethics in Research. **Brasilia, Brazil.** October 29-30, 2002.
66. Symposium – Ethnicity and Epidemiology: Casting race in a new light (the role of genes): American College of Epidemiology Annual Scientific Sessions – September 22, 2002. Albuquerque, New Mexico
67. Genome search for genes underlying susceptibility resistance syndrome in Type 2 Diabetes Patients from West Africa. American Society of Human Genetics 2002; suppl 71 (4):498 (#1924).
68. Scanning the Genome for Obesity Susceptibility Genes in Type 2 Diabetes Patients from West Africa. American Society of Human Genetics 2002;suppl 71 (4):189 (#131)., October 15 -19, 2002
69. Calpain-10 Gene Polymorphisms and Type 2 Diabetes in West Africans. American Society of Human Genetics 2002; suppl 71 (4):477 (#1798).
70. A Genome Search for Type 2 Diabetes Susceptibility Genes in West Africans. American Society of Human Genetics 2002; suppl 71 (4):498 (#1923).

71. Marshall P. Adabamowo C. Royal C. Rotimi C. GENOMIC RESEARCH: Case Presentation: Community Engagement for the HapMap Project in Nigeria FOURTH GLOBAL FORUM ON BIOETHICS; **BRASILIA, BRAZIL. 29 - 30 October 2002**
72. Genome Wide Search for Hypertension Susceptibility Loci. Genetic Analysis Workshop (GAW); Nov 11-14, 2002, New Orleans.
73. Genome Scan for Obesity Genes in Type 2 Diabetes Patients from West Africa. International Genetic Epidemiology Society (IGES) Meeting. New Orleans November 14-16, 2002.
74. Rotimi CN, Royal C and Marshall P. Implementation of the Haplotype Mapping (HapMap) and the Genomic Research in the African Diaspora (GRAD) projects in Eldoret, Kenya; Ibadan, Nigeria; and Umtata, **South Africa. January 05 – 28, 2003.**
75. Chen G, Zhou J, Chen Y, Daniel H, Rotimi C. Genome wide search for blood pressure susceptibility loci in West African Type 2 diabetes patients.
76. Collection, Use and Analysis of Data on Race and Ethnicity in Genetic Research. The Jackson Heart Study. June 17, 2002, Jackson, MS
77. Workshop: Haplotypes, Phenotypes, and the Human Genome: Practical Applications in The Evaluation and Elimination of Disparities. Meharry CRECD Health Disparities Course Second Session July 31 – August 2, 2003
78. Human Genetics: A facilitator or Hindrance in the Efforts to Eliminate Health Disparities. Meharry CRECD Health Disparities Course Second Session July 31 – August 2, 2003
79. Strategies and Lessons Learned in the Enrollment of African Americans in Large-Scale Genetic Epidemiology Studies The Yale-Howard Partnership Center on Reducing Health Disparities by Self and Family Management Yale University School of Nursing. Yale – July 10, 2003
80. Population Genetics and Ethnic Identity: Implications for Understanding Biomedical Research? “Discovering the Full Spectrum of Cardiovascular Disease Disparities – American Heart Association” Oct. 1–4, 2003 • Atlanta, GA
81. Genetics of Obesity in an African population. Presentation at the Mid-Atlantic Diabetes Research Symposium, NIH Clinical Center, Bethesda, MD September 20, 2003
82. “Haplotype Mapping (HapMap) Genomic Research in the African Diaspora (GRAD)”. **Eldoret, Kenya Sept 2003.**
83. Workshop on a Proposed American Family Study: “Participant protections ” NIH – Dec 1-3, 2003
84. The African Diaspora: An opportunity to study gene-environment interaction. The African Society of Human Genetics. The AFSHG – **Accra, Ghana 12/08/03**
85. A Critical Anthropology of Human Genetic Variation Research: Examining Scientific Practice; Refining Theories of Difference. Society of Medical Anthropology. Chicago. Nov 21, 2003
86. The African Diaspora: An opportunity to study gene-environment interaction in the Etiology of Type 2 Diabetes. Experimental Biology (FASEB) – Washington, DC 4/19/04

87. The International Haplotype Mapping (HapMap) Project – Nigeria. Workshop on the Ethics of Research Related to Healthcare in Developing Countries. Feb 12 – 14, 2004 (**Cape Town, South Africa**)
88. The International Haplotype Mapping (HapMap) Project Community Engagement with the Yoruba. Cambridge, UK. September 19-21 2004
89. Translational-Genomic Research in the African Diaspora (TGRIAD): “Gene-Environment Research in the African Diaspora: Implication for Disease Prevention and Treatment.” San Diego. August 1, 2004
90. The genetics of race, medicine, and drugs: Implications for Pharmacogenomics. Annual Scientific Meeting of the Association for Academic Minority Physicians. Oct 16, 2004
91. Understanding the Potential Role of Genetics in Eliminating Health Disparity. Seminar at NCMHD, Feb 16, 2005
92. “Large Population Studies: The Opportunities and Challenges ” Dichotomy Between Social Identity and Ancestry in Large Population Studies Secretary’s Advisory Committee on Genetics, Health, and Society February 28-March 1, 2005; North Bethesda, MD
93. Our evolutionary history and the mapping of complex disease loci. Southern African Society for Human Genetics/African Society of Human Genetics. Muldersdrift Gauteng, **South Africa. March 16, 2005**
94. The 15th Annual Public Health Awareness Conference. Morehouse College, Atlanta GA. April 5, 2005
95. Proposal for the Responsible Use of Racial & Ethnic Categories in Biomedical Research: Where Do We Go From Here?” University of Minnesota Law School. April 18, 2005
96. The Human Genome: Solving Problems While Creating Others. The 15th Annual Public Health Awareness Conference Public Health Sciences Institute, Morehouse College. April 2005
97. Spring Center for Genetic Medicine Silverstein Lectures. Northwestern University. May 9, 2005
98. Maintaining the Integrity of Research Data. Short Course in Clinical Research. University of Wisconsin. July 20, 2005
99. Identifying Susceptibility Genes for Diabetes: Implications for Public Health. The Office of Genomics and Disease Prevention, Center for Disease Control, Sept 30, 2005
100. Genes and Racial Health Disparity A Flawed Paradigm for Unraveling Population Health Disparities. Wayne State University President’s Conference on Health Disparities, Detroit, MI. October 10, 2005.
101. Using Genomic Tools to Identifying Susceptibility Genes for Type 2 Diabetes. Minority, Race, Genomics, and Health Inequities: What Are the Connections? Hunter College, City University of New York – December 2005
102. Genomics Tools and Complex Disease Research. Opportunities and Challenges Presented by Populations of the African Diaspora. **DeCode Genetics, Iceland**, February 11, 2006
103. Race and the New Genetics. Black History Month Celebration, Virginia Tech University, February 23-24, 2006
104. The Human Genome: Solving Problems While Creating Others. Black History Month Celebration. US Courts, Washington, DC, February 28, 2006

105. Our Evolutionary History and the Mapping of Complex Disease Loci. A lecture in the NIH staff training in extramural programs (STEP) - "Defining Race and Ethnicity in Biomedical and Behavioral Research: A Mini-Course on Biological, Social, Political and Legal Issues." April 18, 2006
106. Genetic Epidemiology of type 2 diabetes and related complications. Annual meeting of the African Society of Human Genetics. June 3-5, 2006 - **Addis Ababa, Ethiopia.**
107. Adeyemo A. Rotimi C. Family-based association analysis of specific SNPs with obesity in the Howard University Family Study: collaboration between the department of genetics and genomics, Boston University and the National Human Genome Center at Howard University. July 18-19, 2006
108. Vascular Matrix Summit Meeting. International Society on Hypertension in Blacks. 2006, New York
109. Roundtable, "Eliminating Disparities in Clinical Trials: Formulating Policies". Houston, TX, Sept 7, 2006
110. Rotimi C. Understanding the Genetic Basis of Type 2 Diabetes in Populations of the African Diaspora. Human Genetic Variation meeting September 15, 2006 – **Hong Kong**
111. Rotimi C. Mapping of Complex Disease Loci: The Africa America Diabetes Mellitus (AADM) Study. September 2006 - Wuhan University, **Wuhan, China**
112. Genetic Epidemiology of Complex Diseases in African American Families. NIH/NCRR Site Visit, Howard University GCRC, October 25, 2006
113. Confounding Issues: Design Strategies, Population Structure, Analysis Plan. NCI/NHGRI Working Group on Criteria for Replication of Genotype-Phenotype Association. Bethesda, MD, Nov 10, 2006
114. Frontiers in Genetics and Cardiovascular Disease: What is Known and Unknown? Association of Black Cardiologists. Chicago, IL, November 11, 2006
115. Ethnicity and Drug Prescribing: Changes Through Pharmacogenetics. American Heart Association. Chicago, IL, November 13, 2006
116. Ethics of Complex Diseases Research in Low-Resource Environment. December, 2006 **Abuja, Nigeria.**
117. Fine-mapping and Positional Cloning of Type 2 Diabetes Genes. December, 2006. **Ibadan, Nigeria**
118. Roundtable discussion of Diabetes/Obesity/Metabolic Syndrome Risk Projects at the Medical Center. Howard University General Clinical Research Center Research Development Workshop, Jan 11, 2007
119. Origin of Human Genetic Variation: Implications for Disease Distribution. (Conference Theme: Race – Are we so different?) A Project of the American Anthropological Association. March 2007. Virginia.
120. Human Genetic Variation and Differential Disease Distribution by Populations. Longviews Seminar series. A Howard/Hopkins Cancer Educational Activities. March 2007. Washington, DC
121. Racial and Ethnic Grouping in Pharmacogenomics: A facilitator or Hindrance to Personalized Medicine? (Conference theme: Race in the Age of Genomic Medicine: The Science and its Applications). April 2007; University of Cincinnati, Ohio.

122. Research Training Workshop on the enrolment, examination and processing of participants and biological samples for large-scale genetic epidemiology study for diabetes. May, 2007. **Ibadan, Nigeria**
123. Genetic Epidemiology of type 2 diabetes in Africa. The Pan African Society of Cardiology and the Kenya Cardiac Society. May 13-16, 2007. **Nairobi Kenya.**
124. Complex Disease Genomics: Opportunities presented by populations of the African Diaspora. Coriell Institutes for Biomedical Research. August 2007; Camden, New Jersey
125. NHLBI Expert Panel on Human Whole-Genome DNA Resequencing. NIH Bethesda. August 2007
126. Genetics of type 2 diabetes in Africa. The African Society of Human Genetics. November 3-5, 2007. **Cairo, Egypt.**
127. Is Inequality Making Us Sick? Leadership Greater Washington Class of 2008 Health Day, Bethesda, MD, April 10, 2008
128. Translating Ethical, Legal and Social Implications of Genomics Research International Conference, Cleveland, OH, May1-3, 2008
129. A common FTO gene variant is associated with type 2 diabetes in West Africans. American Diabetes Association Conference. San Francisco, CA, June 6-10, 2008
130. Novel candidate genes for type 2 diabetes on chromosome 5 identified in West Africans. American Diabetes Association Conference. San Francisco, CA, June 6-10, 2008
131. A Novel Common Susceptibility Variant in the ALDH7A1 Gene is Significantly Associated with Obesity in West Africans. American Diabetes Association Conference. San Francisco, CA, June 6-10, 2008
132. Anticipating Personalized Medicine: A Roundtable Discussion. American Association for the Advancement of Science (AAAS) June 20, 2008, Washington, DC
133. Human Genetics: A facilitator or Hindrance in the Efforts to Eliminate Health Disparities Bethesda, NHLBI, June 23, 2008
134. Use of Genetics in Risk Assessment in Diabetes. ADA. Arlington, VA. August 15, 2008
135. Genomics and Health Disparities – Is It All in the Genes? – American College of Epidemiology Conference, Tucson, Arizona, September 13-16, 2008
136. Genetics of Diabetes. Understanding the Role of Genomics in Health Disparities: Toward a New Research Agenda meeting. University of Maryland, September 24-26, 2008
137. Health Disparities: Is Genomics a piece of the puzzle? Who are We? Kinship, Ancestry and Social Identity workshop. Cold Spring Harbor Laboratory, October 6-9, 2008
138. Genomics and Health Disparities: Opportunity to describe our similarities and differences without reaffirming old prejudices. NIH Festival, Bethesda Maryland October, 2008
139. National Human Genome Research Institute (NHGRI) 2008 Retreat. October 20-21, 2008. Gettysburg, PA. Poster presentation: Population differentiation in genetic variants associated with complex human diseases (Adebowale Adeyemo & Charles Rotimi)

140. Opportunities for strengthening the research enterprise in sub Saharan Africa. NIH Bethesda MD November 5-6, 2008
141. Understanding Differential Susceptibility to Disease and Variable Drug response in populations and individuals. 11th RCMI International Symposium on Health Disparities. Hawaii, December 2008.
142. Understanding the Role of Gene-Environment Interactions in Eliminating Health Disparities NIH Summit – The Science of Eliminating Health Disparities. December 17, 2008; Maryland.
143. Colloquim on developing a global framework for harmonized approaches to data sharing and assurance of reciprocal benefits in genomic research. Georgetown University, January 7-8, 2009
144. CDC/NHLBI RuSH Steering Committee meeting for the development of a national registry and surveillance system on hemoglobinopathies. January 13-14, 2009
145. Coriell Institute's Black History Month Celebration on Personalized Medicine for Black America on the topic " Racial and Ethnic Grouping in Pharmacogenomics: A facilitator or hindrance to Personalized Medicine. February 11, 2009
146. Genetics, Genomics and Complex Disease in Admixed Populations: Lessons from an African American Population. The 6th meeting of the African Society of Human Genetics, **Yaoundé, Cameroon**. March 12-15, 2009)
147. Welcome Trust and NIH Genetic Diversity in Health and Disease in African Population. March 15-16, 2009. **Yaounde, Cameroon**
148. Informational Strategies for Translating Genome-based Knowledge into Health Benefits. ACCESS to eHealth Conference. NIH National Library of Medicine. June 16, 2009
149. Developing admixture mapping panels for African Americans from commercial high density SNP chips. International Genetic Epidemiology Society (IGES) Conference. Kahuku, Hawaii. October 18-20, 2009
150. Practical Consideration for Imputation of Untyped Markers in Admixed Populations. International Genetics Epidemiology Society (IGES) Conference. Kahuku, Hawaii. October 18-20, 2009
151. Comprehensive evaluation of FTO genetic variation shows associations with obesity in two populations of African origin. American Society of Human Genetics. Honolulu, Hawaii. October 21, 2009
152. Transferability and Fine-Mapping of Genome-wide Associated Loci for Adult Height across Human Populations. American Society of Human Genetics. Honolulu, Hawaii. October 21, 2009
153. Genome-wide association study identified novel susceptibility loci for Adiponectin in a population-based cohort of African Americans. American Society of Human Genetics. Honolulu, Hawaii October 22, 2009
154. Genome-wide association study identified novel susceptibility loci for type 2 diabetes and related traits in a cohort of African Americans. American Society of Human Genetics. Honolulu, Hawaii, October 22, 2009.
155. Engaging African Scientists in the Genomic Revolution to Ensure that Tomorrow's Biotechnology and

- Medicine will Work for African People. Joint ISCB Africa ASBCB Conference. **Bamako, Mali**. November 30, 2009.
156. Health Disparities in the Genomic Era: What are we learning? Department of Molecular Physiology and Biophysics department seminar series at Vanderbilt University School of Medicine. January 13, 2010 .
 157. Population Differences in Disease Distribution and Variable Drug Response in the Genomic Era: What are We Learning? National Institutes on Aging, NIH. Baltimore, MD, February 26, 2010 .
 158. MYH9 and Kidney Disease: Race, Genetics, and Public Health— A Geneticist's View. NIDDK/NIH Bethesda Maryland; April, 2010.
 159. Opportunities and Challenges in using individual and group ancestry in genomic research. University of Pennsylvania, USA. May 2010.
 160. Race/Ethnicity and Genetics: Defining the population to be studied and the interpretation of group/population genomic data. NHGRI/NIH, Science Reporters Workshop, Bethesda, USA May 2010
 161. Public Health in era of Genome-based & Personalized Medicine. Public Health in the 21st Century: Invitation to a meeting of invited experts, Ickworth House May 2010, **Cambridge UK**
 162. Genetic diversity and health: Opportunities and challenges presented by African genomes. May 2010; HUGO Human Genome Meeting 2010, **Montpellier, France** May 18-21, 2010.
 163. Genomics (Biotechnology) and the Developing World – Africa. HUGO Human Genome Meeting 2010, **Montpellier, France** May 18-21, 2010.
 164. Advances in Health Disparities Genetic Research. National Medical Association annual conference. July 2010; Orlando, Florida
 165. The Genetics of race and disease: How important is race? 2010 George Town University
 166. Human Heredity and Health in Africa (H³Africa). **Oxford, UK** – August 2010
 167. History, Vision, and Conceptual Framework for H3Africa. Cape Town, **South Africa** – March 3-5, 2011
 168. Global and Regional Initiatives – Pan Asian Personal Genomics Initiatives: the H3Africa Genomic Initiative. The Human Genome Meeting (HUGO) 2011; **Dubai**, March 14-17.
 169. Building Research Capacity and Collaboration in Global Mental Health. Sponsored by the Office for Research on Disparities and Global Mental Health, NIMH. Bethesda, March 2011.

BIOGRAPHICAL SKETCH

Charles Rotimi, PhD, a genetic epidemiologist and a biochemist, is a senior investigator in the Inherited Disease Branch of the NHGRI intramural program. He is the Director of the Center for Research on Genomics and Global Health (CRGGH). The mission of this new trans-NIH center is to advance research into the role of culture, lifestyle, genetics and genomics in disease etiology and health disparities. Dr. Rotimi develops genetic epidemiology models and conducts population genetics research that explores the patterns and determinants of common complex diseases in human populations with particular emphasis on populations of the African Diaspora. As a senior investigator and director of the CRGGH, Dr. Rotimi leads a team of researchers across multiple disciplines (Medicine, genetics/genomics, epidemiology, statistics and informatics) to understand the complex interactions between inherited characteristics and environmental factors in disease susceptibility, variable drug response and health disparities. For example, his team conducted the first GWAS of an African American cohort that identified several genetic variants including PMS1, SLC24A4, YWHA7, IPO7, and CACANA1H underlying susceptibility to Hypertension and blood pressure control. His lab also conducted the first and only genome-wide linkage study of Type 2 Diabetes in West Africans (the AADM Study). Dr. Rotimi's lab continues to contribute to the global understanding of human genetic variation and its implication for differential disease distribution, variable drug response and human migration history. He is the current president of the African Society of Human Genetics (www.afshg.org).

AWAKENING

**Rise,
Take your dream to the end of the street.
Then stretch the street.
Take it to the end of your dream.**

Minted Coins
Okinba Launko

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