EXTRA-MURAL GRANT SUPPORT For Richard Cooper, M.D. (as of 7/15/14)

5R01HL53353 (PI)
NIH/NHLBI
Genetics of Hypertension in Blacks
The goal is to combine high-throughput genotyping with a sophisticated epidemiologic design to examine potential gene-environment interactions for known candidate genes.

5R01HL086718 (Zhu)
NIH/NHLBI
Fine Mapping of Hypertension Genes Detected by Admixture Mapping in the FBPP
This application aims to develop a novel paradigm for studying complex diseases in diverse populations, in which a multi-stage design and a combination of analytic methods enable efficient positional cloning of genetic variants that influence the risk of hypertension.

R03 TW008695 (PI)
NIH/Fogarty International Center
Variation in Severity of Sickle Cell Disease among the Yorubas
In this project we propose to build on two decades of collaborative research in the West African diaspora to link investigators in Nigeria and Jamaica with institutions in North America to build research capacity in SCD and advance our understanding of the genetic influences on severity. We further propose to enhance the clinical SCD activities at the collaborating institution in Nigeria, provide training for our Nigerian collaborator, and create a model for outcomes and management research in the region.

1R01DK090360 (Durazo)
NIH/NIDDK
Determinants and Consequences of Low Vitamin D in Populations of African Descent
The proposed project will examine associations of circulating levels of vitamin D and parathyroid hormone with adiposity, weight change and cardiovascular disease risk factors in five populations of African origin living across a wide range of latitudes and lifestyles in order to determine need for vitamin D supplementation.

TW009140-01 (Tayo-Ogedegbe)
NIH/Fogarty International Center
NYU/UG Cardiovascular Research Training Institute Program
The Institute is a collaborative training program between New York University and the University of Ghana. The long-term goal is to produce a sustainable network of individuals who are exceedingly well trained in various aspects of cardiovascular research, and poised to assume leadership roles in academic cardiovascular medicine in Ghana and Sub-Saharan Africa.

1UO1 HL114198 (Ogedegbe)
NIH/NHLBI
Task Shifting and Blood Pressure Control in Ghana
This collaborative project will evaluate the effectiveness of the WHO blood pressure management protocol developed by community health nurses. A cluster randomized trial will be used to evaluate the effectiveness of this program in comparison to standard treatment procedures conducted under the national health insurance scheme.
U54 HG006939 (Adu)
NIH
H3Africa Kidney Disease Research Network
This Research Network vision is as an asymmetric partnership in which African scientists set the research priorities and allocate funds while the U.S. partnering institutions provide scientific and training resources to African biomedical professionals to generate novel genetic findings to help stem the rising tide of kidney disease, worldwide.

R01DK075787 (Hirschhorn)
NIH
Candidate Studies of Obesity Guided by Whole Genome Association Data
To advance knowledge of the genetics and biology of obesity, we aim to identify rare or uncommon functional variants, especially coding variants, associated with measures of obesity in the GIANT consortium.

Doris Duke Charitable Foundation (Tayo)
Risk Stratification for Clinical Severity of Sickle Cell Disease in Nigeria and Assessment of Efficacy and Safety During Treatment with Hydroxyurea.
The purpose of this study is to provide comprehensive evidence on short-term (ie, primarily hematologic) outcomes and safety in order to provide the necessary empirical data base to encourage widespread adoption of a low fixed-dose regimen of HU in Africa. Further, we propose to train local clinical “champions” to be change-agents who can spread the message on the value of HU through university hospitals, sickle cell organizations and government agencies in West Africa.