

**Principal Investigator:** James Wilson

**Institution Affiliation:** University of MS Medical Center

**Ancillary Study Title:** The NHLBI's Candidate Gene Association Resource: the JHS Component

**Project Overview:**

The National Heart Lung and Blood Institute's Candidate Gene Association Resource (CARE) seeks to develop a data resource that combines extensive, high-quality genotyping with meticulously standardized phenotyping to identify genetic variants related to heart, lung, blood and sleep (HLBS) disorders and their risk factors. We seek to pilot the CARE project by: 1) collecting and standardizing a set of test phenotypes across 8 HLBS cohort studies; 2) conducting candidate SNP genotyping for 38 polymorphisms; and 3) studying the association of candidate SNPs with test cardiovascular phenotypes standardized across 8 cohorts including ~50,000 individuals.