

Molecular Genetics of Hypertension and Its Complications

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Principal Investigator: Suzanne Cheng, PhD

Synopsis:

This investigation was designed to test for associations between several dozen candidate genes with cardiovascular traits including hypertension, atherosclerosis and their intermediate quantitative traits, especially insulin resistance, in Hispanic family-based populations that were ascertained through affected probands with hypertension. Roche Molecular Systems has collaborated with Prof. J. Rotter and his colleagues at Cedars Sinai Medical Center in applying our prototype assays to rapidly genotype over 150 potential disease markers in 85 candidate genes. These assays were designed to facilitate the exploration of potential susceptibility genes and possible contributions of gene-gene and gene-environmental interactions for cardiovascular traits. The investigators at Roche were blinded to subject identifiers and the data is being analyzed at Cedars. This is an academic collaboration that allowed Cedars to obtain genotyping that otherwise would have cost them several hundred thousands of dollars to develop.