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Purpose: Examine if apolipoprotein (apoE) (known risk factor in other ethnic groups) or 14-3-3epsilon (tumor suppressor gene) polymorphisms are potential risk factors for breast cancer in Puerto Ricans.

Aim 1: To determine frequency of the apoE4 allele in Hispanic breast cancer patients. I hypothesize the frequency of apoE4 carriers will be higher in breast cancer patients than controls.

(Current findings indicate there is higher frequency of apoE4 carriers in Puerto Rican women with early onset breast cancer.)

Aim 2: To determine association between single nucleotide polymorphisms (SNP) in the 14-3-3epsilon gene and breast cancer patients. I hypothesize the frequency of 14-3-3epsilon specific SNP's will be associated with breast cancer patients.