

Background: Provide a brief background on the study question; include a summary of the relevant literature in your field related to the question (approximately 150 words).

**Scientific Inquiry:**

Palladin, a human protein discovered approximately 15 years ago, has been identified as an actin binding protein (Parast & Otey, 2000). Mutations occurring within palladin have led to an over-expression in metastasizing cancer cells (Goicoechea et al., 2012). The mutation was located in the Ig4 domain, an immunoglobulin protein, which replaces the amino acid tryptophan with the amino acid cysteine (Arneman, 2007). Such a mutation could alter the structure and function of the protein, however, current research has not uncovered the role or comparison of the wild type and mutated domains occurring within palladin's Ig4 domain.

**Creative Activities:**

In the 1960's artists saw the potential of holography and acquired access to science laboratories to create art. Salvador