

CALIFORNIA STATE SCIENCE FAIR 2015 PROJECT SUMMARY

Name(s) **Project Number** Ethan X. Gutierrez 35873 **Project Title Homeopathic Remedies That May Kill Cancer Abstract Objectives/Goals** The goal of my project was to try to find at least one homeopathic remedy that strength to slow down the growth of cancer or even kill cancer cells. Methods/Materials Some of the basic materials that I used were items, such as pipets the coat, safety glasses, petri dishes, cell counter, gloves, centrifuge and a fume hood. The method to my project was to use active ingredients from foods as my homeopathic remedies. I separated the cancer cells into several smaller petri dishes. I then added one of the active ingredients to one of the petri dishes of cancer cells. I repeated this process with each one of the compounds. After observing the cells over several works, I put the cancer cells into the cell counter to see if the number of cancer cells increased or decrease Results From my four homeopathic remedies, I found that two of the active in gredients had the capability of slowing down the growth or killing the cancer cells. No other wo compounds did not fair as well; they did not kill the cancer cells, but they also did not increase the number of cancer cells. Conclusions/Discussion The two compounds that I found that were effective on cancer cells came from flax seed and turmeric. The active ingredient in flax seed was intered of and the active ingredient in turmeric was Curcumin. These two active ingredients destroyed the cancer cells Summary Statement ct was to find homeopathic remedies that had the strength to kill cancer cells. Help Received Dr. William Lowry at UCLA supervised my project in his laboratory.