

## CWSF 2017 - Regina, Saskatchewan



### Syni Solanki

#### A Novel Approach to Causing Apoptosis in Ovarian Cancer Cells

**Challenge:** Health

**Category:** Junior

**Region:** Niagara

**City:** Grimsby, ON

**School:** Ridley College

**Abstract:** Ovarian cancer is an extremely fatal disease. Current treatments, chemotherapy and surgery are not 100% effective and cancer often recurs. *Saccharomyces Cerevisiae* was the specimen used for testing. The tests of zone of inhibition and measurement of diameter, proved the hypothesis that *Allium Sativum* and Habanero Pepper can potentially cause apoptosis in ovarian cancer cells.

### Biography

Syni Solanki is a Grade 8 student at Ridley College, St. Catharines, Ontario. Syni is 13 years old and loves math and science and wishes to pursue a career in medicine. She is on the tennis team in Ridley and plays tennis outside of school as well. She volunteers as a primary lunch helper in school and an alter server at her parish, Immaculate Heart of Mary. Syni plays the clarinet and piano and does dance. Syni's hobby is reading and her favorite series are Waterfire Saga and Keeper of the Lost Cities. Syni got the inspiration for her project after visiting the Koch Institute for Integrative Cancer Research and seeing shocking statistics about ovarian cancer. Her plans for future investigations are researching a proper treatment for ovarian cancer. Advice that she would give other students who are thinking about doing a project is "don't worry about what people will say. Just trust your instincts and do what you are passionate about."