

## CWSF 2005 - Vancouver, British Columbia



### Stephanie Powell, Cecilia Gaslard

#### CSI: Cell Survival Investigation

**Division:** Biotechnology

**Category:** Intermediate

**Region:** Western Newfoundland

**City:** Port-au-Choix, NL, Port au Choix, NL

**School:** Roncalli Central High School

**Abstract:** Through a cell survival assay and a confocal laser scanning microscope analysis, we tested the effects of five different Newfoundland berries on cell survival after PC12 cells were exposed to oxidative stress (H<sub>2</sub>O<sub>2</sub>). As a result of these two experiments we discovered that two berries in particular (blackberries and squashberries) had a positive effect on the recovery of cells after oxidative stress.