

## CWSF 2005 - Vancouver, British Columbia



### Julia Grochowski, Andrew Guardamano

#### Lobitonin In Cancer Treatment: Phase 2

**Division:** Biotechnology  
**Category:** Senior  
**Region:** Edmonton  
**City:** Edmonton, AB  
**School:** Old Scona Academic High School, Archbishop MacDonald Catholic  
**Abstract:** High School

Lobitonin, a novel mixture of plant compounds, was extracted from a tropical fruit to isolate and characterize its constituents using ammoniacal extraction procedure and spectroscopic techniques. Using acid phosphatase colorimetric assay, Lobitonin was determined to be effective against tested cancer-cell lines. Lobitonin appears to be a promising new anti-cancer agent.

Awards	Value
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Biotechnology & Pharmaceutical Sciences - Senior Sponsor: Rx&D Health Research Foundation	\$700
<b>Total</b>	<b>\$4 200</b>