

## CWSF 2005 - Vancouver, British Columbia



### Malar Annal

#### The Detection of Mutations in Human Chromosome 8

**Division:** Health Sciences

**Category:** Senior

**Region:** Durham

**City:** Pickering, ON

**School:** Pickering High School

**Abstract:** A multicolour barcode was established for human chromosome 8 to analyze the effect of radiation on cells. Fragments in chromosome 8 were coloured using a fluorescent probe combined with target DNA. This M-Band pattern was then used to determine the amount of radiation exposure (dose) that is harmful to cells.

Awards	Value
UBC Science (Vancouver) Entrance Award	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	
The University of Western Ontario Scholarship	\$1 500
Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	
Silver Medal - Health Sciences - Senior Sponsor: Canadian Institutes of Health Research	\$700
Total	\$4 200