

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 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 - Health Sciences - Senior Sponsor: Canadian Institutes of Health Research | \$700 |
| Total | \$4 200 |