

## CWSF 2005 - Vancouver, British Columbia



### Michael Lyon

#### Breast Feeding and the Biomarkers of Heart Disease

**Division:** Health Sciences

**Category:** Intermediate

**Region:** Bluewater

**City:** Meaford, ON

**School:** Georgian Bay Secondary School

**Abstract:** I designed an experiment to determine if the unique nutritional contents of breast-milk, compared to formula, would have a beneficial effect on selected biomarkers of atherosclerosis in young adults. I found significant suppression of lipid and inflammatory biomarkers in breast-fed subjects suggesting a long-term protective effect of breast-milk on future heart disease.

Awards	Value
Petro-Canada Peer Innovation Award - Intermediate - Ontario South Sponsor: Petro-Canada	\$200
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Health Sciences - Intermediate Sponsor: Canadian Institutes of Health Research	\$700
Total	\$2 400