



## CWSF 2009 - Winnipeg, Manitoba



## **Bugs on Drugs Phase II**

**Division:** Physical & Mathematical Sciences / Environmental Innovation

Category: Intermediate

Region: City: School:

**Abstract:** The presence of pharmaceuticals in aquatic ecosystems and water supplies

is becoming more and more globally evident. Utilizing Daphnia Magna as bio indicators, 30-day chronic bioassays were completed to investigate the effects of four pharmaceuticals and a combination there of on heart rate

and fecundity ratio at low level concentrations.

Awards	Value
The University of Western Ontario Scholarship	\$2 000
Gold Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Western Ontario	
The University of Western Ontario Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Western Ontario	
Bronze Medal - Environmental Innovation - Intermediate	\$300
Sponsor: EnviroExpo, Presented by VIA Rail Canada	
Gold Medal - Life Sciences - Intermediate	\$1 500
Sponsor: Pfizer Canada	
Total	\$4 800



