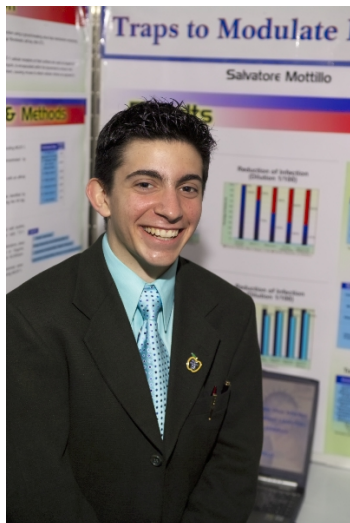


## CWSF 2005 - Vancouver, British Columbia



### Salvatore Mottillo

#### Traps to Modulate Infection

**Division:** Biotechnology

**Category:** Senior

**Region:** CDLS - Province du Québec

**City:** St-Léonard, QC

**School:** Marianopolis College

**Abstract:** Murine Leukemia Virus (MuLV) infection is modulated using MCAT-1 receptor-masked liposomes encapsulating viral inhibitors. The MuLV cellular host, mouse cell line NIH-3T3, is mimicked to create an innovative virus trap via the expression of MCAT-1 cellular receptors on the surface of liposomes. The MuLV inhibitor, rifamycin SV, is encapsulated within the liposomes to ensure viral inactivation once MuLV has penetrated the traps.

Awards	Value
Honourable Mention - Biotechnology & Pharmaceutical Sciences Senior	\$100
Sponsor: Rx&D Health Research Foundation	
Total	\$100