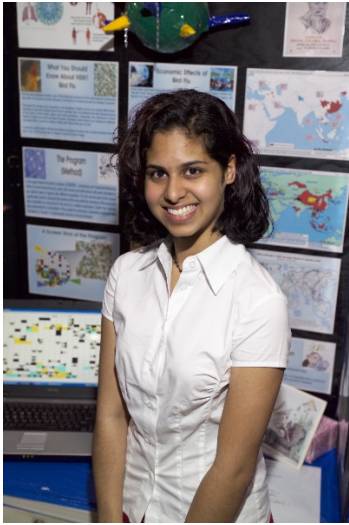


## CWSF 2006 - Saguenay, Québec



### Jamila Karim

#### Running Scared: Can We Beat The Flu

**Division:** Life Sciences

**Category:** Senior

**Region:** Toronto

**City:** Toronto, ON

**School:** Havergal College

**Abstract:** The purpose of my experiment is to determine the characteristics of a successful avian flu virus using an agent-based simulation model by simulating white blood cell and viral populations together. Areas considered include energy gained from the host, energy required to move and reproduce as well as energy losses.