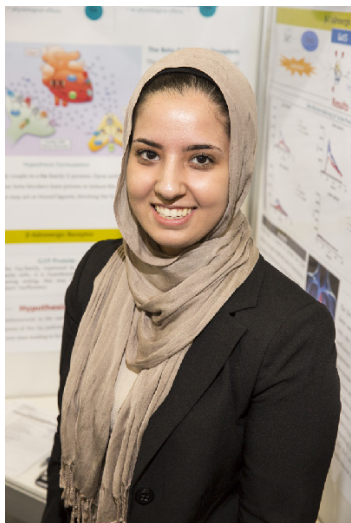


## CWSF 2015 - Fredericton, New Brunswick



### Marjan Ghazi

#### Limitations of Beta-Blockers

**Challenge:** Health

**Category:** Senior

**Region:** Montreal

**City:** Laval, QC

**School:** École secondaire Laval-Liberty

**Abstract:** Current medicinal treatments for various cardiovascular diseases adopt the utility of Beta-blockers. However, these drugs occasionally fail and this project confirms the presence of G $\alpha$ 15 protein as a cellular factor, causing this failure, leading pharmacologists to new directories.

#### Biography

My project was driven by my continuous interest in medicine and started out with my curiosity. Having the dream of becoming a physician, I chose to apply my dedication to such topics. Volunteering at local hospitals, helping with different fundraisers and foundations, I hope to apply myself to the field, professionally, one day. For the moment, I am persevering at school, where I maintain a high ranking on the principal's honour roll and have received a few bursaries and some humbling awards. This project, along with my day-to-day participation in schoolwork is keeping me engaged to my ultimate goal.

#### Awards

#### Value

University of Ottawa Undergraduate Research Scholarship Award Senior Sponsor: University of Ottawa, Faculty of Science	\$10 000
Excellence Award - Senior - Gold Medal Sponsor: Youth Science Canada	\$250
Dalhousie University Faculty of Science Entrance Scholarship Senior Gold Medallist - \$5000 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$5 000
UBC Science (Vancouver) Entrance Award Senior Gold Medallist - \$4000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$4 000
University of Manitoba Entrance Scholarship Senior Gold Medallist - \$5000 Entrance Scholarship Sponsor: University of Manitoba	\$5 000
University of New Brunswick Canada-Wide Science Fair Scholarship Gold Medallist - \$5000 Entrance Scholarship Sponsor: University of New Brunswick	\$5 000
University of Ottawa Entrance Scholarship Senior Gold Medallist - \$4,000 Entrance Scholarship Sponsor: University of Ottawa	\$4 000
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
<b>Total</b>	<b>\$37 250</b>