

# CWSF 2009 - Winnipeg, Manitoba



## Lauren Arena, Melissa Cammuso

### Insulin of the Future

**Division:** Physical & Mathematical Sciences / None

**Category:** Senior

**Region:** Montreal

**City:** Laval, QC

**School:** Villa Maria

**Abstract:** This experiment determined if the INGAP peptide could propel mesenchymal stem cells to differentiate into insulin producing cells with genes common to those present in islets of the pancreas. Mesenchymal stem cells were treated with the INGAP peptide and measuring the presence of genes such as pdx1, NeuriD, Ngn3.

### Biographies

Lauren - My name is Lauren Arena and the first bit of personal information I would like to share with you is that writing about myself overwhelms me with a feeling of conceit, but for the sake of participation, I will ignore it. I am a grade eleven student at Villa Maria High School in Montreal, Quebec where I am class president. Generally speaking, I enjoy watching bad movies and reading good books and wish I could spend most of my free time doing either of the two. Most of my time however, is currently spent organizing an interscholastic walkathon to raise money for pediatric leukemia. As one can deduce from this statement, I am a hopeful and ardent...

Melissa - My name is Melissa Cammuso and I am a grade eleven student at Villa Maria High School in Montreal Quebec. I am class secretary and have been involved in many school events and fundraisers. I recently turned 17 and have been dancing for 10 of these years. I have an affinity for ballet even though it is hard for me to fit into my schedule. I have recently taken up a liking for snowboarding and enjoy baking even though my friend Lauren and I might finish the icing before the cake is even out of the oven. I have been participating in medical research and enjoy it very much. I someday hope to pursue a career in medicine or research. This is my sec...

### Awards

### Value

The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Bronze Medal - Life Sciences - Senior Sponsor: Pfizer Canada	\$300
<b>Total</b>	<b>\$2 300</b>