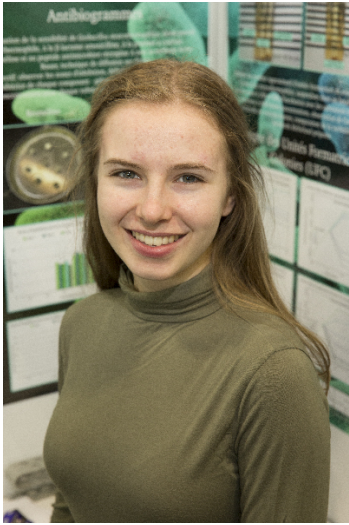


# CWSF 2019 - Fredericton, New Brunswick



## Anna Voia

### Ensemble contre la résistance

**Challenge:** Health

**Category:** Intermediate

**Region:** Montréal RM

**City:** Candiatic, QC

**School:** Collège Jean-Eudes

**Abstract:** Dans mon projet, j'ai exploré les alternatives à l'usage excessif des antibiotiques en expérimentant propriétés antimicrobienne et synergique d'une combinaison broméline-peptide antimicrobien. Des tests de susceptibilité ont évalué l'efficacité de chaque substance et l'ont comparée à l'amoxicilline. Mes résultats présentent une meilleure activité antimicrobienne que l'antibiotique lors de la combinaison et la possibilité de réduire la dose de peptide en compensant avec la broméline.

### Biography

Me and my partner Andréa Sarah Lo found our project subject while researching on alternative ways to produce vaccines, a method that would be more accessible and efficient. We had the idea of finding out more about tobacco based vaccines when we realized that the current method used, chicken-egg based, takes too much time when during epidemics. Later, I hope to branch in science but I know it's very large, so maybe in immunopathology or pharmaceuticals. At school, I am involved in many extracurricular and competitive activities such as improvisation, Génie en Herbe, and after-school DES+ conferences. I love writing in general, it is one of my passions, and I applied a few of my poems to the Radio Canada competition. But above all, I love science and I am in the biology option at my school. If I would have to give advice to other students, I would really recommend to make a plan before starting. You have to know where you are going, and also, don't be afraid to leave your comfort zone!

### Awards

### Value

Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada	
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$2 000