

CWSF 2009 - Winnipeg, Manitoba



Mengqi Wang, Julie Xu

Co-culture of Pseudomonas and Prevotella in Agar Beads

Division: Physical & Mathematical Sciences / None

Category: Senior

Region: Calgary Youth

City: Calgary, AB

School: Sir Winston Churchill High School

Abstract: Cystic fibrosis (CF) is one of the most commonly fatal inherited diseases. This study looked at Pseudomonas aeruginosa, an aerobe, and Prevotella, an anaerobe recently found to exist in CF lungs. The purpose was to investigate the conditions under which these two organisms can be co-cultured. Results showed that in the presence of Prevotella, Pseudomonas growth was enhanced. Interspecies interaction was definitely observed.

Biographies

Mengqi - Annie (Mengqi) Wang is a grade 12 student from Sir Winston Churchill High School. In school, she takes pride in acquiring high academic achievements, as well as being heavily involved in club activities. She is the co-president of Biology Club and a participating member of NASA Club, Yearbook Club, Model United Nations Club, and Speech and Debate Club. In the community, she volunteers at the local hospital by assisting nurses in distributing meals to patients and playing piano for them before and after meals. She also serves on the Mayor's Youth Council, which advises the city on youth related issues by interacting with organizations seeking...

Julie - My name is Julie Xu and I am a Grade 12 student at Sir Winston Churchill High School in Calgary, Alberta. My two big goals in life are to constantly learn and self-improve, as well as helping others in any way I can and to the best of my ability. I was born in China and immigrated to Canada when I was almost nine years old. This allows me to truly be the best of what both cultures have to offer. In line with my goal of self-improvement, I am a very busy person. I am Yearbook Editor at my school of almost 2000 students, I am conducting researching at U of C with Dr. Surette regarding cystic fibrosis (our project), I am part of the Swim & Dive ...

Awards

Value

The Manning Innovation Achievement Award Sponsor: Ernest C. Manning Awards Foundation	\$500
The Manning Innovation Achievement Award and \$4000 Manning Young Canadian Innovation Award Sponsor: Ernest C. Manning Awards Foundation	\$4 000
Honourable Mention - Life Sciences - Senior Sponsor: Pfizer Canada	\$100
Total	\$4 600