

CWSF 2008 - Ottawa, Ontario



Becky Earley, Holly Hunter

Treatment of Chronic Lymphocytic Leukemia with LPATH

Division: Life Sciences / None
Category: Senior
Region: St. James-Assiniboia
City: Winnipeg, MB
School: St. James Collegiate - Academy of Science and Technology
Abstract: LPATH is a monoclonal antibody which sequesters LPA away from the receptor. Immunofluorescence showed BJAB cells (chronic lymphocytic leukemia like cells) express the LPA receptor. We did a time and dose curve with BJAB cells and a patient sample. We used different concentrations of LPATH and Fludarabine alone and in combination. We counted the cells using Acridine Orange staining as well as flow cytometry.

Biographies

Becky - My name is Rebecca (Becky) Earley and I live in Winnipeg, Manitoba. I participated in science fairs at a less serious level when I was in younger grades, but it wasn't until I got involved in the Sanofi Aventis Biotalent Challenge last year that my participation evolved into more of an obsession. My partner Holly Hunter and I have been going to the Manitoba Institute of Cell Biology almost every day for the last couple of years learning everything we could from our brilliant mentors. Thanks to all of that hard work, I feel like I have learned so much more than I could ever have in a classroom alone. Although science seems to take up most of...

Holly - My name is Holly Hunter, I attend St James Collegiate in Winnipeg, Manitoba. I have done science fairs since I was in grade three, but it was not until I was given the opportunity to participate in the Sanofi Aventis BioTalent Challenge two years ago that I the chance to see what "real" science was like. Through SABC my partner Becky and I had the opportunity to conduct our research at Manitoba Institute of Cell Biology. Both years Becky and I worked on our project between January and April, four times a week for about two to three hours a day. Outside of science I play an active role in many of my schools clubs and groups such as student cou...

Awards

Value

Petro-Canada Peer Innovation Award - Senior - Central Canada	\$200
Sponsor: Petro-Canada	
Total	\$200