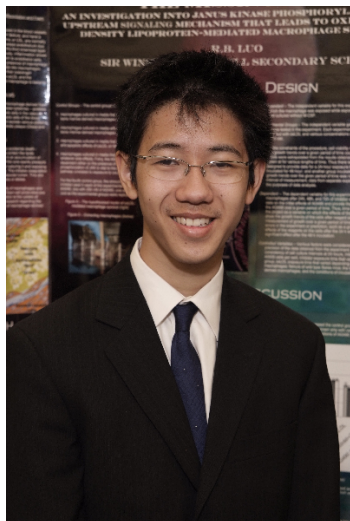


CWSF 2007 - Truro, Nova Scotia



Bing Luo

The Missing Link: An Investigation into JAK 2 Phosphorylation

Division: Life Sciences / None
Category: Senior
Region: Greater Vancouver
City: Vancouver, BC
School: Sir Winston Churchill Secondary
Abstract: This project is an investigation in which the goal is to determine if JAK2 phosphorylation is an upstream signaling pathway responsible for oxLDL-mediated macrophage survival. The experiment employed a JAK2 inhibitor: AG490. The combination of individual analyses of each set of data indicated that AG490 has a negative, time-dependent, dose-dependent, specific effect on oxLDL-mediated macrophage survival.

Biography

My name is Bing Luo, and I was born in Regina, Saskatchewan. I lived in Regina for three years until I moved to Vancouver where my sister was born. I currently live in Vancouver with my mother and my sister. I attend Sir Winston Churchill Secondary School and I am enrolled in the International Baccalaureate program. Outside of school, I enjoy participating in a wide variety of activities. I am currently working on my teacher's diploma with the Royal Conservatory of Music. For the past couple years, I volunteered regularly at our community centre as well where I worked as the supervisor of the Youth club and a variety of other community organizations. I also enjoy a variety of sports. I am the captain of our Ultimate Frisbee team, and play on various teams in the city. In school, I'm also involved in many clubs and organizations. I'm the head of our school's World Vision club and a senior editor of our school science journal, The Big Bang. In the spare time not taken up by my other activities, I enjoy building and taking apart computers, sports, and a good book.

Awards

Value

| | |
|--|-----------------|
| Peter W. Newman Award Sponsor: Canadian Council of Technicians and Technologists | \$1 000 |
| The Manning Innovation Achievement Award Sponsor: Ernest C. Manning Awards Foundation | \$500 |
| Quality of Life Student Research Award Sponsor: Institute of Musculoskeletal Health and Arthritis of the CIHR | \$3 750 |
| Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science | \$2 000 |
| UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver) | \$2 000 |
| The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario | \$1 500 |
| Silver Medal - Health Sciences - Senior Sponsor: Canadian Institutes of Health Research | \$700 |
| Total | \$11 450 |