



CWSF 2018 - Ottawa, Ontario



Tooba Razi

Qualifying and Quantifying DNA Damage in Breast Cancer with Natural Products

Challenge: Health Category: Senior

Region: Manitoba Schools Science Symposium

City: Winnipeg, MB

School: Fort Richmond Collegiate

Abstract: An integrated approach to quantifying and qualifying DNA Damage induced

by natural products was studied in the duration of this experiment, with the use of novel, innovative techniques. The results revealed that natural products hold the potency to act as DNA damaging agents in the treatment of breast cancer, working up to par to MMS, a known DNA Damage

inducing agent.

Biography

My name is Tooba Razi, and I am a Grade 12 student at Fort Richmond Collegiate in Winnipeg, MB. In my free time, I work with the Foundation for Student Sciences and Technology, Project Pulse Winnipeg, am on the South Winnipeg Youth Council, Peer Tutor, volunteer at the Health Sciences Center and am involved in many in-school clubs, some of which being Interact Club and High Altitude Balloon Club. I got involved in the sciences at a young age, and have developed a passion for it. With my combined interest in humanitarian work and sciences, I have always hoped to better the world in some way through my discoveries. Considering what a global epidemic Cancer is in today's world, in my project, I hoped to enhance current cancer therapeutics with the use of natural products. My inspiration comes from those around me who continue to motivate me to be better, and do more. If you are a student interested in doing science fair, my advice to you is take risks; new science discoveries are the result of risks taken by scientists, when all odds were against them.

Awards	Value
Excellence Award - Senior - Silver Medal	
Sponsor: Youth Science Canada	
Carleton University Entrance Award	\$2 000
Senior Silver Medallist - \$2,000 Entrance Award	
Sponsor: Carleton University	
Dalhousie University Faculty of Science Entrance Scholarship	\$2 500
Senior Silver Medallist - \$2500 Entrance Scholarship	
Sponsor: Dalhousie University, Faculty of Science	
UBC Science (Vancouver) Entrance Award	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: The University of British Columbia (Vancouver)	
University of Ottawa Entrance Scholarship	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Ottawa	
Western University Scholarship	\$2 000
Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: Western University	
Total	\$10 500



