

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

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