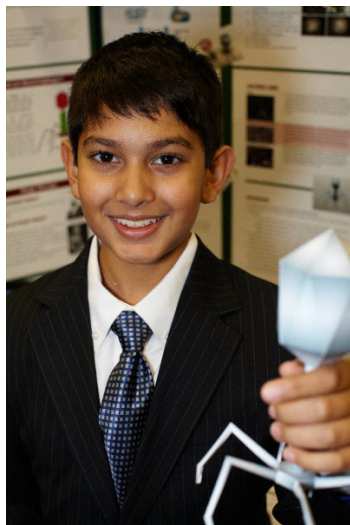


CWSF 2012 - Charlottetown, Prince Edward Island



Ishaan Dhillon

Age of the Phage

Challenge: Health

Category: Junior

Region: Ottawa

City: Nepean, ON

School: Bishop Hamilton Private

Abstract: That bacteriophage (phage) can be medically used to treat bacterial diseases naturally and without side-effects is a little known fact. My project examines the medical uses for phage; ways to improve phage therapy methods; and the use of phage in antibacterial household products. It also attempts to answer the baffling question ? If phage therapy is efficient and harmless, why isn't it more widely practiced?

Biography

My name is Ishaan Dhillon and I currently attend Bishop Hamilton Montessori School (BHMS) in Ottawa. I was born in New Delhi, India but moved to Canada when I was two years old. I have attended several schools ? University Heights Public School, Roberta Bondar Public School, St. Emily Catholic School, and now BHMS. At St. Emily, I won the trophy for Outstanding Performance in Science & Technology and had my name imprinted on a plaque in the school lobby. That was the start of my love affair with science. One day when I was sick and my parents were stuffing me with antibiotics, I wondered if there was a better tasting and natural substitute. That led me to my current project, and how bacteriophages can be used to combat bacterial infections. I did my research at Health Canada, and they are now interested in conducting further research on the topic. I hope to be involved with that at some level. I am inspired to find out more about natural ways of treating diseases. I'd like to attend McGill University because they have a great microbiology lab; the perfect setting to help me achieve my dream of becoming a virologist.

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