

CWSF 2011 - Toronto, Ontario



Shubham Talwar

Acro-Rat-ics!

Challenge: Health

Category: Intermediate

Region: Lethbridge

City: Lethbridge, AB

School: Winston Churchill High School

Abstract: The advanced forelimb movements of rats with various impairments (Parkinson's disease, motor cortex stroke, and old age) during the Whishaw Single Pellet Reaching Task (Whishaw-SPRT) were thoroughly analyzed. It was found that all three impairments followed a similar trend in terms of how they affected skilled reaching in rats, but overall, motor cortex stroke was the most detrimental to the rats' reaching.

Biography

I am 16 years old, and am a student at Winston Churchill High School in Lethbridge, Alberta. I live with my two parents and my sister. I am really interested in science, especially neuroscience and astronomy. I play the flute, and am in the concert and jazz bands at my school. I have been to the CWSF for the last two years, and have won a silver medal (2009) and a bronze medal (2010).

Awards

Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	\$300
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Total	\$1 300