

CWSF 2018 - Ottawa, Ontario



Anna Tymofyeyeva

Analysis of Atypical Sensory Adaptation in Schizophrenia

Challenge: Health

Category: Intermediate

Region: York

City: Thornhill, ON

School: Thornhill S.S.

Abstract: Schizophrenia is a widely misunderstood mental disorder currently categorized as "psychosis". This categorization limits its treatment options, so those diagnosed as schizophrenic lead difficult lives. This study examines a phenomenon called sensory adaptation in schizophrenia. In a nutshell, using different brain scans, this study shows that schizophrenic patients are unable to adapt to certain senses, which is crucial information for determining proper treatment for them.

Biography

Hello, world! My name is Anna Tymofyeyeva. I am currently a grade 10 student attending Thornhill Secondary School, and hopefully on my way to graduation. I am a science enthusiast, and I particularly love physics and biology. I am an avid watcher of Grey's Anatomy, which has gotten me interested in the health sciences (despite its focus on dramatic storylines). I was inspired to create this project by an article I read in an issue of New Scientist magazine. I was fascinated by the theoretical conclusion that the magazine proposed in response to an experiment. I wanted to do more research, and eventually, I realized that the article's and my theories may have more basis and could be more important than I first thought. Going forward, I would love to consult with experts in the field of schizophrenia and neuroscience, and possibly conduct trials for the treatment I proposed in my project. If I had to give advice to someone looking to create a project, I would say to do it about something you are truly interested in. This may sound obvious, but without interest, giving up becomes much more common. Best of luck future finalists!