

# CWSF 2015 - Fredericton, New Brunswick



## Fiona Ewart

### Early immunological experience and the development of allergies

**Challenge:** Health

**Category:** Junior

**Region:** Halifax

**City:** Halifax, NS

**School:** Gorsebrook Junior High School

**Abstract:** The purpose of this study was to examine the role of immunological experience on food allergy development. Survey results showed that food allergies developed more frequently among people who had eczema. However, factors affecting exposure to natural bacteria were found to have no effect on the development of allergies. This was the first study to compare these possibilities in the same group of people.

### Biography

Hi, My name is Fiona Ewart and I'm a grade 8 French Immersion student at Gorsebrook Junior High School in Halifax, Nova Scotia. The project I did for science fair is on immune experience and food allergies. I'm interested in this because food allergies are becoming much more common and we need to understand why. I am allergic to eggs and peanuts and I've met many other people with food allergies. Once we figure out how young children develop allergies, we might be able to prevent them. The main motivation behind my project was the Sweet Caroline Foundation, which promotes awareness of allergies and anaphylaxis, in memory of Caroline Lorette. It made me think carefully about allergies in general and what I could do to help. Outside of science fair, I have been involved in many different activities. Right now, I'm taking voice lessons and I enjoy musical theatre and opera. I'm a highland dancer in the premier category and I've also been involved in curling, ballet, and a violin ensemble. I love animals and my family recently got a dog. I'm really looking forward to CWSF in Fredericton!

### Awards

### Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000