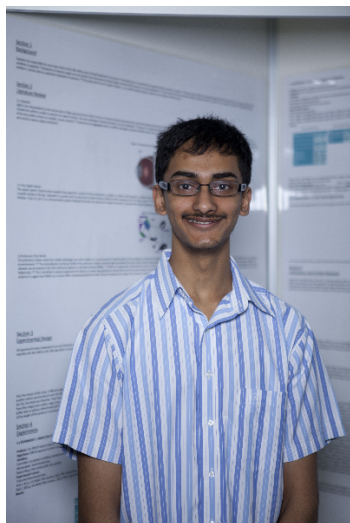


# CWSF 2013 - Lethbridge, Alberta



## Atulya Madhavan

### Efficacy of Inhibitors In Cataract Suppression

**Challenge:** Health

**Category:** Senior

**Region:** Calgary Youth

**City:** Calgary, AB

**School:** Sir Winston Churchill High School

**Abstract:** This study aims to find a potential alternate treatment to cataracts based on the hypothesis that calpain inhibition can suppress excess production of crystallin. An in ovo embryonic chicken model was used to test the potential of calpain inhibitor-1 as a cataract suppressant. Early results show that calpain inhibitor-1 is successful in reducing lens opacity; however increases mortality rates.

#### Biography

Atulya Madhavan was the only thing that existed before the big bang. He is said to have achieved full enlightenment at the age of ten when the Maxwell's equations became clear to him. Many strangers walking in Calgary downtown have reported a strange skinny man barging in to them and asking them to pin point the exact location of Schrödinger's cat. When they refuse, this mystical man often attempts to discuss protein pathways, rejection rates, and half lives with them. This person has recently been identified to be Atulya Madhavan. While competing in the world championship of mental combat sports such as chess, his mind is said to be so powerful that the board often flips over. He knew of the existence of the Higgs-Boson particle prior to its so called "discovery".

#### Awards

#### Value

Excellence Award - Senior - Silver Medal Sponsor: Youth Science Canada	\$300
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
<b>Total</b>	<b>\$8 800</b>