



## CWSF 2011 - Toronto, Ontario



**Biography** 

Finding myself with nothing to do in the Summer of 2008, I decided to get involved in the rollercoaster experience that is research. What, with its climaxes and sudden drops, research may seem daunting to many, but it was the best decision I have ever made, and an experience that I will never forget. It allowed me to work with some of the most phenomenal people possible, fed my hunger for learning, and granted me access to awards, including winning the Linda Beynan Award and the Martin Willis Summer Scholarship, presented by the Heart and Stroke Foundation. As well as science, one of my passions is the outdoors, and I have been an enthusiastic volunteer with the scouting movement for over five years. Within school I was the Events Co-ordinator for Student Council as well as being a member of the H.O.P.E Team (Helping Other People Everywhere), Robotics Team, Go-Green Committee, and the Music Department, playing the saxophone, guitar, and vocals. Next year I plan on attending University of Ottawa's Biomedical Sciences program, with the future ambition of becoming a Doctor and being actively involved in the Doctor's Without Borders Programme.

## **A-J Hutchings**

## The Role of Gastrin-Releasing Peptide in Neural Excitation of Rat Paraventricula

Challenge: Health
Category: Senior
Region: Ottawa
City: Ottawa, ON
School: All Saints H.S.

**Abstract:** Gastrin-releasing peptide(GRP) is a peptide neurotransmitter that plays an

important role in feeding and stress behaviours. An important source of the GRP innervation in the hypothalamus is the suprachiasmatic nucleus(SCN), which contain the master pacemaker responsible for circadian rhythms. The axonal projections of these neurons extend into the hypothalamic

paraventricular nucleus(PVN) that contains cells that regulate feeding

behaviour and hormone release.

Awards	Value
The Canadian Society for the Weizmann Institute of Science Scholarships	\$9 400
Joseph W. and Joel Anthony Leon Kerbel Scholarship	
Sponsor: The Canadian Society for the Weizmann Institute of Science	
(Weizmann Canada)	
Excellence Award - Senior - Silver Medal	\$700
Sponsor: Youth Science Canada	
Dalhousie University Faculty of Science Entrance Scholarship	\$2 500
Senior Silver Medallist - \$2500 Entrance Scholarship	
Sponsor: Dalhousie University, Faculty of Science	
UBC Science (Vancouver) Entrance Award	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: The University of British Columbia (Vancouver)	
The University of Western Ontario Scholarship	\$2 000
Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Western Ontario	
University of Ottawa Entrance Scholarship	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Ottawa	
Total	\$18 600



