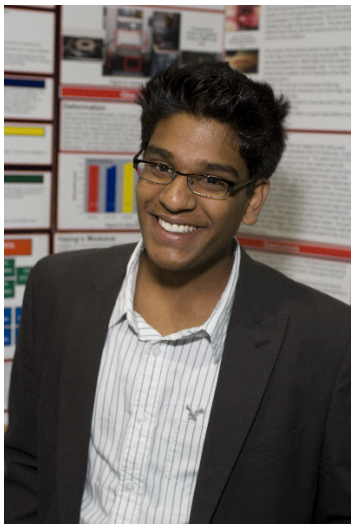
CWSF 2009 - Winnipeg, Manitoba



Sathya Baskaran

Overcoming Spinal Cord Injuries

Division: Biotechnology / None
Category: Intermediate
Region: Ottawa
City: Ottawa, ON
School: Nepean H.S.
Abstract: Every year 1, 400 Canadians undergo therapy to improve their spinal cord. Research was focused in regeneration through external therapy. I identified a microstructure degradable hollow fiber membrane that can mimic the structure of spinal cord. Using three copolymers, hollow fiber membrane tubes were fabricated. Engineering properties were compared between the tubes. In addition, I conducted clinical researches using the rat model for qualitative performances.

Biography

When looking at my life over the past fifteen years, three major aspects seem to come clearly. First and foremost is my passion towards science. I have always enjoyed science and it has been one of my passions. I have participated at CWSF, in 2007 (Turo Nova Scotia), 2008 (Ottawa Ontario). I am also a Smarts Coordinator for my home town Ottawa and a school representative. Secondly sports, I have always enjoyed sports. They help me maintain an active and healthy lifestyle. Some sports that I enjoy to play are badminton and volleyball. Thirdly, family and friends, this would not be possible without their continuous support and help. They pushed me to do more and work harder. These three vital aspects of my life I believe make me a well round individual and pursue me to work harder and achieve greater standards.

Awards	Value
Australian National Youth Science Forum Award	$2 500
Total	$2 500