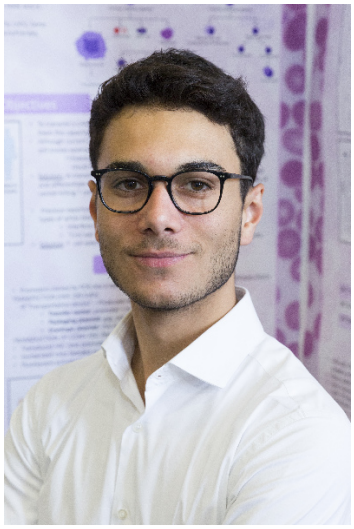
CWSF 2018 - Ottawa, Ontario



Gabriel Dayan

An Immune Response to ALL

Challenge: Health
Category: Senior
Region: Montreal
City: Montreal, QC
School: Collège Marianopolis
Abstract: This project proposes an immunotherapeutic approach for the treatment of acute lymphoblastic leukemia. This is done by transducing self-regenerating hematopoietic stem cells, with an anti-CD22 gene and a promoter to maximize the expressivity of the gene in only cytotoxic immune cells. The gene codes for a receptor targeting CD22: a protein found on the surface of acute lymphoblastic leukemia cells.

Biography
Gabriel Dayan CEGEP student at Marianopolis College. Gabriel enjoys sports as well as his academic studies. He enjoys sports such as tennis, hockey, basketball, swimming, skiing, waterskiing and wake boarding. Gabriel has won 2 provincial science fair Quebec finals throughout his science fair career. His dream is to one day become a doctor. In fact, he has applied to medical schools in Quebec and is waiting to hear back. Gabriel plans to continue working on this research project throughout his university studies.

Awards	Value
Youth Can Innovate Awards - Senior Sponsor: The Gwyn Morgan and Patricia Trottier Foundation	$1 000
Excellence Award - Senior - Silver Medal Sponsor: Youth Science Canada	
Carleton University Entrance Award Senior Silver Medallist - $2,000 Entrance Award Sponsor: Carleton University	$2 000
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
Total	$11 500