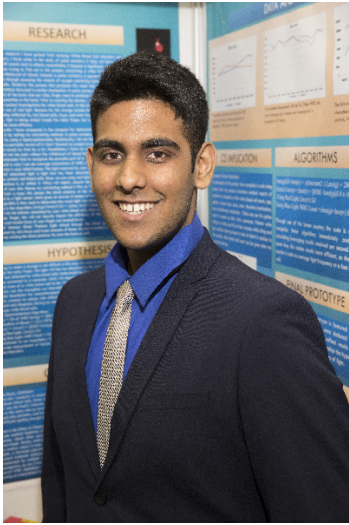


## CWSF 2019 - Fredericton, New Brunswick



### Aditya Ayri

#### WICCLET: A Novel Stand Against Autoimmune Disorders

**Challenge:** Health

**Category:** Senior

**Region:** Wood Buffalo

**City:** Fort McMurray, AB

**School:** Westwood Community High School

**Abstract:** My project exhibits an innovation that can be used to treat people facing cancer chemotherapy, or other autoimmune disorders. Basically, my device uses red light that shines through an individual's index finger. The White Blood Cells flowing through your finger absorb this light, however, this absorbed light can give me a number of white blood cells, which are crucial for your monitoring your immune system.

#### Biography

This is my second time attending CWSF, and I am very honoured and excited to be a part of this amazing experience. Three words I would use to describe myself are ingenious, multitasking, and hardworking. Science Fair is something I have been partaking in for many years. Inspiration from Science Fair does not come from online, or any predetermined "source", it is something that should be rooted from one's own personal wisdom and experiences, something close to heart, that feels the need to be expressed. For an example, this year my project underlies improving rates in cancer chemotherapy, after being an individual whose family has been through this process. The conclusion was simple, and it was to build a device that could portably monitor the immune system. My plans to take this further include filing a patent, and getting my innovation out in the entrepreneurial world. My best advice for doing a Science Fair project is to be creative and original, don't source your ideas of "Sciencebuddies.com". Be ingenious in a way where what you're doing is improving your current condition, and make the common public take something new and thoughtful out of your project, a stand for insight.

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