Ebola Virus

Team: 86

School: Mesa Mid

Area of Science: Virology

Team Number:086
School Name: Mesa Middle School
Area of Science: Virology
Project Title: Ebola Virus

Problem:
Our project was about the spread of Ebola, how it spreads and how to contain it and stop it. We hope we can find out how to control it better and take it away from living beings that way that more of our fellow human beings can live there life with out fear of the virus. We plan to work on it is by creating a program that shows how Ebola transfers from person to person then hopefully create a program that shows a cure working against the virus. Our plan of action is to show how Ebola is transferred from person to person and cured by a new substance that could be created.

Summery:
We came to the solution that the Ebola virus will be able to have Nano silver put in the blood stream and let it get to the cell area infected. The Nano silver would latch on to the cells going in to the area of infection and kill off the virus then use the bacillus bacteria strain to put on a filter for the blood to go through while the healthy blood goes back to the patient. The bacillus attracts the Nano silver and will pull out any extra Nano silver out of the blood stream so that the infected patient will not die; at high concentrations Nano silver will kill a living being. We hope this solution will cure many Ebola victims.

Conclusion:
Our conclusion is that there is a possible cure for Ebola that could be used to save many lives in the possible future.

Results:
Our results are that we found a possible cure for Ebola and hope it will work. We might be able to put the Nano silver in a shot that you can get at your doctors office. After you would get the shot we expect it will latch onto the infected cells, killing the virus, and be able to be pulled out by a bacillus filter.

Most significant achievement:
Our most significant achievement is that we were able to learn more about something going on right now.

Team Members: Aaron Lopez, Miles Davis, and Levi Richens.

Acknowledgement: We would like to thank Stephen and Tracy Lopez for their help with research and Traci Mikesell for all the support she gave us.

Discussion: We verified and validated our model by asking our sponsoring teacher for verification of the code.

Description: The method we used to solve our problem was reading, news media, and research.

Resources:
www.boston.com/health/2014/...cure...ebola.../story.html
www.cdc.gov/.../eb...
http://www.nbcnews.com/storyline/ebola-virus-outbreak
www.cdc.gov/vhf/ebola/
www.businessinsider.com/harvard-university-ebola-cure-...
http://www.hlntv.com/video/2014/08/01/ebola-virus-sanjay-gupta-questions-info

Risk Science Center and the Air Force research lab.