

HIV Vaccine Possible?

by Joseph S. Berry

I may have found the secret to HIV vaccinations. Using nanorobots, I will try to stick a needle with a claw inside each individual HIV and remove its RNA. To test to see if the “empty” viruses will make a good vaccine. I will inject regular HIV viruses into a rat. If it dies, I will inject “empty” HIV viruses into another rat. If it survives, I will later inject regular HIV viruses in that rat, hoping it survives. If it does, it will most likely work on humans, since humans and rats have similar biology. The only problem is that it will be hard to find an appropriate nanorobot material that will be able to poke through the virus.

Injecting the RNA-removed viruses may give your body an immune response to the “empty” virus. Since your body is insensitive to foreign RNA, the vaccine will cause your body to respond to a real attack.

Those who are unfortunate enough to catch AIDS could then have blood from someone who had a vaccination injected into them and the donor’s blood might fight off the HIV virus. But, they would need to be injected every couple days for a long time before the HIV is fought off by so called passive immunity.

The HIV attacks the cell by fusing with a cell and injecting in its RNA. The RNA goes through an enzyme called reverse transcriptase which makes a DNA version of the RNA. The DNA binds to the host’s DNA to form a provirus.



Sources: Biology Textbook

Interviewee: Eli Minkoff