

Name: Luke Buonanno

Date Of Experience: 12/8/2023

Location: Youtube

Hours Of Experience Obtained: 2 hours

Mentor's Profession: MD

1. The body of the video consists of discussing the COVID-19 pandemic in the context of the 1918 influenza pandemic. The speakers note the important differences in what was known about infections and causes between the times. The structures of the proteins causing issues today and vaccination approaches are discussed. The spike protein interacts with receptors, causing problems. There is some explanation for reading chest X-rays and examining older patient scans to identify age-related osteophyte formations. In closing, the speakers explain that many unknowns remain regarding herd immunity and outcomes under continued improved care.
2. The experience was fine, I have done some extensive research on COVID and coronavirus variations but I was interested to see if there was more to learn. It is not really a field I would be interested in seeing.
3. One idea that will benefit me in my professional career is the cause-and-effect aspect of the research on viruses, as problem-solving is a big part of engineering.
4. The most interesting thing that I found in this experience was the amount of unknowns that were so prevalent 3 years ago.
5. It was alright, there was nothing mind-blowing, but it was pretty neat to see a slice of the past.