**COVID Mind Map Assignment**

A mind map, also called a concept map, is a way to visually connect important terms and ideas. A concept map is a visual organization and representation of knowledge. It shows concepts and ideas and the relationships among them. You create a concept map by writing key words (sometimes enclosed in shapes such as circles, boxes, triangles, etc.) and then drawing arrows between the ideas that are related. Then you add a short explanation by the arrow to explain how the concepts are related. Too see example of a concept or mind map, do a quick google search and click on images to see how they can be created.

Below are a series of terms and short phrases that you should become familiar with and make a mind map. You can talk with others about this, using zoom or whatever means you find appropriate and then each student must create his or her own mind map using the terms below. IF in the process you find more terms or ideas or short phrases, that you feel critical to understand COVID-19 feel free to add.

THIS IS AN INDIVIDUAL ASSIGNMENT - Grading will be done by the completeness and the short (emphasize short) explanation for the arrows. Create your mind map by hand, take a pic and convert to a PDF (a scan function on your phone works best).

Single stranded RNA virus Double stranded RNA virus DNA retroviruses

Frame shift mutations S protein M protein

E protein N protein ACE-receptor

Attachment and entry SARS

SARS-CoV SARS-CoV2

Alpha and Beta Coronavirus

COVID-19 MERS-CoV

Receptor-Binding Domain (RBD)

Epithelial cells Cytokines

Glycoprotein

Chloroquine/hydroxychloroquine

Ritonavir

Neuropeptamidase inhibitors

Real Time PCR Diagnosic

Theraputic Vaccine

Remdesivir Neutralizing Antibodies

Zpack Profolactic Drug repurposing

Clinical Trial Compassionate Use