2020 curriculum for the

inmed summer institute

Due to the COVID-19 pandemic, we are making several adjustments to the INMED Summer Institute curriculum. Instead of counselors, you will have mentors to help with your final project from the start. Instead of individual science courses, which are difficult to teach remotely, we are organizing the program with one theme per week:

1. Week 1 (June 22-26): **Why do infectious diseases plague us?** Topics include the differences between viruses (like the flu or COVID-19) and bacteria (E. coli, Salmonella), how your body naturally fights these infectious agents, select history of pandemics, how vaccines work, etc.
2. Week 2 (June 29-July 3): **What does breathing do for us & how do infections take advantage of that?** Topics include how the respiratory system normally works (mainly the lungs), the ways that infections take advantage of the respiratory system, ways to support breathing medically during a severe infection (especially ventilators), etc.
3. Week 3 (July 6-10): **What works to defeat epidemics?** Many things have changed for humans over thousands of years, but the fundamental ways we overcome infectious disease epidemics are ancient. During this week, you will learn what the best policy approaches and some of the lessons that epidemics teach us.
4. Week 4 (July 13-17): **Your chance to be heard.** You will have the opportunity to create a final project, which could be anything from a presentation to a TikTok, or other ideas you have that are approved. Mentoring will be on multiple levels, from peers to experts in the field.

In addition, opportunities to conduct interviews will be woven throughout the program starting in week 1. The communications class this year will have an extra instructor with extensive interviewing experience.

Every weekday will have a set schedule, between 4 to 5 hours with a combination of the day watching recorded talks and half interactive activities through phone calls or teleconferences.