**Idaho State University
Physics Colloquium**

***Single Molecule Biophysics Perspective on SARS-CoV-2***

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COVID-19 is a novel threat which emerged at the end of 2019 and has caused enormous losses of human lives and had a significant effect on human health and worldwide economy. As we enter the second summer of the pandemic, it is informative to consider what biophysics tells us about the virus sensitivity to temperature and humidity. I will review some historical background and the basic biology of the virus and then discuss our efforts to model the virus with a system which allows for fast efficient workflow. I will then present our results from a variety of measurement techniques and their implication for how environmental conditions affect SARS-CoV-2.

**Monday, March 15, 2021**
**Via Zoom (**<https://isu.zoom.us/j/81179552183>**)
4:00 – 4:50 pm**