

# Clinical and Research Genomics Assignment #6

## Multi-Omics and Spatial Omics on Earth and Beyond

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**Assignment: Answer questions on genetic variation and clinical genomics.**

**Due before 5/20/22 5:00PM**

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1. Select three genes discussed in lecture or in the COVID-19 literature and look them up on the <https://covidgenes.weill.cornell.edu/> website. Summarize your findings and include any interesting clinical correlations with COVID-19.
  2. What are the current known COVID-19 variants? Discuss the different approaches to tracking these variants.
  3. If on a one-way mission to Mars, what genomics tools would they want on the trip?
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**Please hand the assignment on the day of the lecture, or email if you cannot attend.  
For any questions, please contact Chandrima Bhattacharya ([chb4004@med.cornell.edu](mailto:chb4004@med.cornell.edu)), Evan Afshin ([eba2001@med.cornell.edu](mailto:eba2001@med.cornell.edu)), or Professor Mason ([chm2042@med.cornell.edu](mailto:chm2042@med.cornell.edu))**