

## Clinical and Research Genomics Homework #1

From Lecture\_01-03 (March 14<sup>th</sup>): Sequencing Methods and Molecular Detection Techniques

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**Assignment: Answer questions on sequencing methods and techniques.**

**Due Date: 10:00AM on March 21<sup>st</sup>**

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1. Describe three methods for massively parallel sequencing, and describe the advantages and disadvantages of each.

2. Describe two methods for single-molecule sequencing, detailing the advantages and disadvantages of each.

3. Given what you know today about genomics, would you want your own genome sequenced?

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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 Ebrahim Afshinnekoo ([eba2001@med.cornell.edu](mailto:eba2001@med.cornell.edu)),**

**Alexa McIntyre ([abm237@cornell.edu](mailto:abm237@cornell.edu)), or Professor Mason ([chm2042@med.cornell.edu](mailto:chm2042@med.cornell.edu))**