

Clinical and Research Genomics Homework #1

Sequencing Methods, Single-Cell Dynamics, and Molecular Detection Techniques

Assignment: Answer questions on sequencing methods and techniques.

Due before 4/8/2022 5PM

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?

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), Jaden JA Hastings (jah4006@med.cornell.edu), Evan Afshin (eba2001@med.cornell.edu), or Professor Mason (chm2042@med.cornell.edu)