



PhD Program in

# Biomedical Informatics

Fall 2023

For G1s

|                            | Course Name  | Day and Time           | Notes   |
|----------------------------|--|------------------------|---|
| <b>G1 Fall</b>             | <b>Genetics 201:</b> Principles of Genetics Instructor: Winston  | MWF 9:00 -10:20 am     | Rotations of 8-12 weeks throughout                            |
|                            | <b>BCMP 200:</b> Molecular Biology Instructor: Loparo<br><br>(you may select a more advanced Biology course if you opt to not enroll in BCMP200) | MWF 10:45 am -12:15 pm |   |
|                            | <b>BMIF 201:</b> Concepts in Genome Analysis Instructor: Sunyaev   | MW 2:30 - 4 pm         |   |
|                            | <b>BBS 230A (Recommended; not required)</b> Analysis of the Biological Literature or another Elective/Rotation                                   | T/Th 3-5 pm            |   |
| <b>G1 Winter (January)</b> | Rotations or Research  |                        |   |
| <b>G1 Spring</b>           | <b>GSAS Biophysics205/HST509:</b> Computational and Functional Genomics  | MW 2:30 – 4:00 p.m.    |   |
|                            | <b>BBS 230B (Recommended; not required)</b> (Experimental Platforms, Design and Analytics) or another Elective/Rotation                          | TBA                    |   |
| <b>G1 Summer</b>           | Rotations or Research  |                        |   |
| <b>G2 Fall</b>             |  |                        |   |
|                            | <b>Med. Sci. 300qc:</b> Conduct of Science   | TBA                    |   |
|                            | Electives  |                        |   |
| <b>G2 Winter</b>           | Rotations or Research  |                        | <b>Deadline to choose lab:</b> March 30 of G2 year            |
| <b>G2 Spring</b>           | Electives  |                        | <b>Deadline for Qualifying Exam schedule:</b> June of G2 year |
| <b>G2 Summer</b>           | Rotations or Research  |                        | First DAC meeting to be held 4 months after Qualifying Exam.  |

Throughout G1: Students complete two 8 to 12 week lab rotations. Students meet at least twice during year with academic advisor(s).

**Course Requirements:** 4 required courses and 4 electives (4 credits each or two 2 credit courses)=8 courses.  
MD-PhDs have 2 required courses plus 4 electives=6 courses