Quantitative Genomics and Genetics  
BTRY 4830/6830; PBSB.5021.03  
Spring 2022 – Cornell / Weill Cornell

Time:  Tuesday, Thursday 8:05 am – 9:20 am (Lectures)  
Thursday 4PM / 5PM or Friday 8AM / 9AM (Labs)

Professor Jason Mezey  
Department of Computational Biology (Cornell)  
Department of Genetic Medicine (Weill Cornell)

Cornell TA: Beulah Agyemang-Barimah  
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Weill Cornell TA: Yajas Shah  
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Course Times and Locations

Note: All Lectures and Labs through Feb 4 will be conducted by Zoom (plus for dates as needed and noted throughout the semester)

Lectures: T/Th 8:05-9:20AM  
Cornell, Ithaca: Weill Hall 226  
Weill Cornell: Belfer (BB200’s-300’s classroom) or Weill-Greenberg (WGC-A or -B) as listed on the classroom schedule

Computer lab:
Cornell, Ithaca Computer Lab 1: Th 5-6PM  
Cornell, Ithaca Computer Lab 2: Fri 8-9AM  
WCMC, NYC Computer Lab 1: Th 4-5PM  
WCMC, NYC Computer Lab 2: Fri 9-10AM

Work Requirements for BTRY 4830 (Undergraduate)  
vs BTRY 6830 / PBSB.5021.03 (Graduate)
Additional work for graduate students (required to register for BTRY 6830 or PBSB.5021.03) compared to undergraduates (BTRY 4830) will include answering additional questions and content delivery requirements for the final class project.

*Note that graduate and undergraduate students will be graded separately.*

**Help Sessions**
Jason’s Office Hours: TBA

Note that individual help sessions with Beulah (Cornell), Yajas (WCMC, NYC), and Jason (Cornell or WCMC), may be set up by appointment.

**Course Website**
The official course website will be located on my website: [https://mezeylab.cb.bscb.cornell.edu/courses-quantitative-genomics-0](https://mezeylab.cb.bscb.cornell.edu/courses-quantitative-genomics-0)

**Suggested Prerequisites**
Introductory genetics. Introductory probability and statistics.

**Course Work/Grading Policy**
Exams: A single mid-term and a final exam. The final exam will be cumulative. Both of these will be take-home exams.

*Problem Sets:* There will be a short problem set handed out on Tues. or Weds. approximately every week.

*Class Project:* A single class project, involving analysis of real data, will be assigned during the second half of the semester (~3 weeks).

Grades: your grades will depend on the course work listed above with the following weights: Mid-Term (20%), Final (30%), Problem Sets (20%), Project (25%), Computer Lab (5% - attendance). A letter grade will be determined from these components. For S/U grading, a letter grade of C- or above is required for an “S”.