Quantitative Genomics and Genetics
BTRY 4830/6830; PBSB.5021.03
Spring 2018 – Cornell / Weill Cornell

Time: Tuesday, Thursday 8:40 am - 9:55 am
Ithaca Rooms: 224 Weill Hall
NYC Rooms: Belfer 204A or 302A or Other

Jason Mezey
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Biological Statistics and Computational Biology (BSCB)
101 Biotechnology Building
Department of Genetic Medicine and
Institute for Computational Biomedicine
13th Floor, Weill-Greenberg Building, 1305 York Ave.

Cornell TA: Manisha Munasinghe
mam737@cornell.edu

Weill TA: Zijun Zhao
ziz2003@med.cornell.edu

Course Times and Locations
Lectures: T/Th 8:40-9:55AM.
   Cornell, Ithaca: 224 Weill Hall
   WCMC: Belfar 204A or 302A of Other (See schedule)

Computer lab:
   Cornell, Ithaca Computer Lab 1: Th 5-6PM; B30A Mann Library (Manisha)
   Cornell, Ithaca Computer Lab 2: Fri 8-9AM; 226 Weill Hall (Manisha)
   WCMC, NYC: Th 4-5PM; LC-504 (1300 York Ave - 5th Fl Conf Room)

Help Sessions
Jason’s Office Hours: Tues. 2-4PM
   Zoom: https://cornell.zoom.us/j/724550601
Note that individual help sessions with Manisha (Cornell), Zijun (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: [http://mezeylab.cb.bscb.cornell.edu/Classes.aspx](http://mezeylab.cb.bscb.cornell.edu/Classes.aspx)

**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. You will have a week to complete.

Class Project: A single class project, involving analysis of real data, will be assigned during the second half of the semester (~2.5 weeks of time).

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”.

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