BIOL-GA 2004 Bio Core IV

Instructor:
Edo Kussell

Course Description:
Bio Core IV is designed to train students to pose new research questions, to formulate clear hypotheses, and to design appropriate experiments to test those hypotheses. The course also trains students to think critically about current biological research through close reading and discussion of landmark papers across the field.

Pre-requisite:
N/A

Textbook and Required Materials:
Weekly readings as assigned

Grading:
Discussions 80%
Mini Aim 20%

Topics:
Viral genomics
Single cell heterogeneity
Phase transitions in assembly
Single cell analysis
Cytoskeletal modeling
Single cell growth
Neural diversity
Plant development
Cell cycle in development stem cells
Cancer metabolism