

BIOL B352 Immunology: Lab Syllabus
(Subject to Change)

Theme	Date	Class Format	Reading	Assignment (due, 11:59pm EST)
Lab Overview & Team Science	Th 2/18	Virtual (start 1:10 pm)		
Introduction to Proximity Labeling	Th 2/25	Virtual (start 1:10 pm)	Branon et al. (2019)	Lab Assignment 1 (Th 3/4)
Plasmid prep & glycerol stock	Th 3/4	In person A/B*		
Immune cell activation	Th 3/11	In person A/B		
Monitor proximity labeling by western	Th 3/18	In person A/B		Lab Assignment 2 (Th 3/25)
Cell culture & transfection	Th 3/25	In person A/B		
Cell staining for microscopy	Th 4/1	In person A/B		
Microscopy Week!	F 4/2 – Th 4/8	Microscopy in pairs		
Image analysis workshop	Th 4/8	Virtual (start 1:10 pm)	Lee & Kitaoka (2018)	Lab Assignment 3 (Th 4/15)
Cell activation & pull-down	Th 4/15	In person A/B		
Monitor proximity labeling & enrichment	Th 4/22	In person A/B		
How research is funded	Th 5/6	Virtual (start 1:10 pm)	Taffe & Gilpin (2021) Stevens et al. (2021)	Lab Assignment 4 (Th 5/13, 5pm EST)
Celebration, closure & reflection	Th 5/13	Virtual (start 1:10 pm)		

***In person A/B:** Both remote and in person students will be randomly assigned to either Section A or Section B of the lab. Section A will come to lab from 1:10 pm – 2:30 pm. Section B will come to lab from 2:40 pm – 4 pm. Remote students are encouraged to join synchronous lab sessions via zoom but depending on time zone I acknowledge this may prove challenging.