

Syllabus: Advanced Immunology (CBIO8100)

Class Meets on Monday and Wednesdays

Presentations and discussions = 10%

Meeting No.	Topic	Activity
1	Organizational meeting	Lecture
2	Lymphocyte Development and Maturation	Presentation and discussion
3	Notch and lymphocyte development	Lecture
4	Innate Immunity	Presentation and discussion
5	None	
6	Innate Immunity	Presentation and discussion
7	Antigen processing and presentation	Lecture
8	Antigen processing and presentation	Presentation and discussion
9	Dendritic cells	Presentation and discussion
10	T Cell activation and effector function	Lecture
11	Lipid rafts	Presentation and discussion
12	Immunological synapse	Presentation and discussion
13	Cytokines and chemokines	Lecture
14	Cytokines and Chemokines	Presentation and discussion
15	Exam 1 (30%)	
16	Cytokines and chemokines	Presentation and discussion
17	Cell Death and immunity	Lecture
18	Cell Death and immunity	Presentation and discussion
19	Self-Tolerance	Lecture
20	Self-Tolerance	Presentation and discussion
21	Regulatory T Cells	Presentation and discussion
22	Allergy and Immunity to Infections	Lecture
	Deadline for grant application (30%)	
23	Th1 vs. Th2	Presentation and discussion
24	Discussion of grant	
25	Tumor Immunity/Immunotherapy	Lecture
26	Target antigens	Presentation and discussion
27	Transplantation/Immunotherapy	Lecture
28	Regulatory T Cells	Presentation and discussion
29	Genomics and immunity	Lecture
30	Exam 2 (Final) (30%)	