

MCB150 Fall 2020: MOLECULAR IMMUNOLOGY (prereq: MCB C100A or 102)

Date	Lecture	TOPIC	Instructor	prob Set due before section	Janeway's reading
Thu	8/27/20	1	Winoto		Chapter 1
Tue	9/1/20	2	Winoto		Appendix I, A1-A21, chapter 16-4 to 16-6
Thu	9/3/20	3	Winoto		Chapter 3-1, 3-4 to 3-7, Appendix I, A34-36
Tue	9/8/20	4	Winoto		Chapter 3-10 to 3-13
Thu	9/10/20	5	Winoto	1st	Chapter 4-1 to 4-10, Chapter 5-1 to 5-8.
Tue	9/15/20	6	Winoto		Chapter 5-11 to 5-22.
Thu	9/17/20	7	Winoto	2nd	Chapter 10-1 to 10-15
Tue	9/22/20	8	Winoto		Chapter 8-1 to 8-9
Thu	9/24/20	9	Winoto	3rd	Chapter 4-11 to 4-20, Chapter 6
Tue	9/29/20	No lecture, review session by GSIs			
Wednesday	9/30/20	MIDTERM 1 (L1-9) 5-7:30 pm			
Thu	10/1/20	10	Winoto		Chapter 6
Tue	10/6/20	11	Winoto		Chapter 4-11 to 4-20, 5-9 to 5-11, Chapter 7, 16-3, 16-16
Thu	10/8/20	12	Winoto		Chapter 8-10 to 8-28, Appendix I, A22-A33
Tue	10/13/20	13	Winoto	4th	
Thu	10/15/20	14	Winoto		Chapter 15-1 to 15-3.
Tue	10/20/20	15	Winoto	5th	Chapter 9-14 to 9-28
Thu	10/22/20	16	Winoto		Chapter 9-29 to 9-33
Tue	10/27/20	17	Winoto	6th	Chapter 3-15, 3-16, 11-1 to 11-16
Thu	10/29/20	No lecture, review session by GSIs			
Monday	11/2/20	MIDTERM II (L9-17), 5-7:30 pm			
Tue	11/3/20	18	Raulet		Chapter 2, 3-3 to 3-7, 3-17 to 3-21
Thu	11/5/20	19	Raulet		Chapter 3-2, 3-3, 3-15 to 3-27, 9-14 to 9-23, 11-1 to 11-16
Tue	11/10/20	20	Raulet		Chapter 9-29 to 9-33, 11-17 to 11-24, start Chapter 12
Thu	11/12/20	21	Raulet	7th	Chapter 12, 16-20 to 16-31
Tue	11/17/20	22	Raulet		Chapter 13-25 to 13-28. Start Chapter 14
Thu	11/19/20	23	Raulet	8th	Chapter 14
Tue	11/24/20	24	Raulet		Chapter 15-1 to 15-28
Thu	11/26/20	Thanksgiving			
Tue	12/1/20	25	Raulet	9th	Chapter 15-29-15-38
Thu	12/3/20	26	Raulet		Chapter 16-13 to 16-19
Tue	Dec 7-11, 2020	RRR			
Fri	12/18/20	MIDTERM III (L18-26), 9-11 am			
Sections	Date	topics			
	27-Aug	Overview			
	3-Sep	antibodies and tools			
	10-Sep	Molecular biology techniques/transgenic/knockout			
	17-Sep	review			
	24-Sep	review midterm 1			
	1-Oct	2-Oct			
		After midterm 1: Inbred mouse strains, MHC nomenclature			
	8-Oct	9-Oct			
		Journal Club: paper: van Doremalen, N et al ChAdOx1 nCoV-19 vaccination prevents SARS-CoV-2 pneumonia in rhesus macaques. Nature, (2020). https://www.nature.com/articles/s41586-020-2608-y/			
	15-Oct	16-Oct			
		Review T cell development, especially the transgenic experiments.			
	22-Oct	23-Oct			
		Review for midterm 2			
	29-Oct	30-Oct			
		Review for midterm 2			
	5-Nov	6-Nov			
		Journal Club: paper: Koebel et al. Adaptive immunity maintains occult cancer in an equilibrium state. Nature 450, 903-907 (2007). doi: 10.1038/nature06309			
	12-Nov	13-Nov			
		Review			
	19-Nov	20-Nov			
		Review – Vaccines Hypersensitivities			

26-Nov	27-Nov	Thanksgiving
3-Dec	4-Dec	Review

Instructors	Office hours	location	email address
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Prof Winoto	Tue 3-4pm & Thurs 4-5 pm	zoom	winoto@berkeley.edu
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Prof Raulet	Tue 4-5pm and TBA	zoom	raulet@berkeley.edu
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Marian Fairgrieve	Thurs 11am-noon	zoom	marjanf@berkeley.edu
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Brenna Remick	Tue 5-6pm	zoom	brenna.remick@berkeley.edu
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Sections 101/102:
Thurs 2-3pm / 3-4pm

Sections 103/104: Fri
10-11am / 12-1pm

Course text (recommended) Janeway's Immunobiology 9th edition

Grading

Midterm 1	150
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Midterm 2	150
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Midterm 3	150
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Miscellaneous (journal clubs 10 pts, problem sets 18 pts, section attendance 12 pts, polls 23 pts)	63
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total	<hr/> 513
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