

Molecular and Cellular Biology 176

2020-21

Biochemistry of Membranes

Monday afternoon	3-5 PM	Lecture
Wednesday afternoon	3-5 PM	Discussion

Lecture

Monday (except Sept. 2, Sept. 9)

Discussion

Wednesday

September	2 (Wed)	Membrane structure. Phospholipid bilayer, detergents, nanodiscs.	
September	7 (Mon)	HOLIDAY	
September	9(Wed)	Membrane proteins : arrangement, size.	
September	14	Properties of lipid bilayers.	Sept. 16
September	21	Membrane fusion. Marangoni flow.	Sept. 23
September	28	Protein translocation. Toxins.	Sept. 30
October	5	Transporters and pumps.	Oct. 7
October	12	HOLIDAY	Oct. 14
October	19	Channels.	Class Exercise Oct. 21
October	26	ABC proteins : Cystic fibrosis; Multidrug resistance.	Oct.28
November	2	Electron transport and H ⁺ gradients.	Nov. 4
November	9	Vision. 7-TM-Segment receptors and G proteins.	Nov. 11
November	16	Insulin receptor and action : dimerization	Nov. 18
November	23	Response to stress: two component systems. Cell size.	Nov. 25
November	30	News	No meeting Dec. 2
			Class exercise

Final presentation : Monday 7 December 2020.

