Advanced Biochemistry-Graduate Spring 2015

Teaching Assistant: 星期二 6 / 7 / 8 堂

Week	Date	Area of Concentration	Topics	Instructor
1	2/16	Proteomics and Bio-mass spectrometry	Protein purification and quantitation	詹鴻霖老師
2	2/23		Mass spectrometry based protein identification	詹鴻霖老師
3	3/1		Database analysis	詹鴻霖老師
4	3/8	RNAi technique	Introduction of the Real-time PCR technique	林志俟老師
5	3/15		Introduction of the RNAi technique	林志俟老師
6	3/22		Application of the RNAi technique	林志俟老師
8	3/29	Ribosome dynamics	Nucleotides and Ribosomes	楊立威老師
9	4/12		Using MD simulations to study the ribosome dynamics	楊立威老師
10	4/19		Using single molecular techniques to study ribosome dynamics	楊立威老師
11	4/26	**Midterm Exam**		TA
12	5/3	Protein folding and design	TBA	鄭惠春老師
13	5/10		TBA	鄭惠春老師
14	5/17		TBA	鄭惠春老師
15	5/24	Molecular dynamics	Reconsider enzyme dynamics in function	蘇士哲老師
16	5/31		Intrinsic disordered protein	蘇士哲老師
17	6/7		Membrane dynamics and regulation	蘇士哲老師
18	6/14	**Final Exam**		TA

References

廣義生化範疇

Biochemistry, Garrett and Grisham, 5th edition. Publisher: Thomson and Brooks/Cole (2012). ISBN 0-534-49033-6 進口代理商: 台北市偉明圖書公司. Tel: (02)2363-8586

重點生化領域範疇

指定論文：E-learning system, 由同學自行下載.