

# Advanced Biochemistry-Graduate Spring 2014

Teaching Assistant: 星期二 6/7/8 堂

Week	Date	Area of Concentration	Topics	Instructor
1	2/18	Proteomics and Bio-mass spectrometry	Protein purification and quantitation	詹鴻霖老師
2	2/25		Mass spectrometry based protein identification	詹鴻霖老師
3	3/4		Database analysis	詹鴻霖老師
4	3/11	Ribosome dynamics	Nucleotides and Ribosomes	楊立威老師
5	3/18		Using MD simulations to study the ribosome dynamics	楊立威老師
6	3/25		Using single molecular techniques to study ribosome dynamics	楊立威老師
8	4/1	RNAi technique	Introduction of the Real-time PCR technique	林志侯老師
9	4/8		Introduction of the RNAi technique	林志侯老師
10	4/15		Application of the RNAi technique	林志侯老師
11	4/22	<b>Midterm Exam</b>		TA
12	4/29	Bioinformatics	Bioinformatics	呂平江老師
13	5/6		Bioinformatics	呂平江老師
14	5/13		Bioinformatics	呂平江老師
15	5/20	Molecular dynamics	Reconsider enzyme dynamics in function	蘇士哲老師
16	5/27		Intrinsic disordered protein	蘇士哲老師
17	6/3		Membrane dynamics and regulation	蘇士哲老師
18	6/10	<b>Final Exam</b>		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.