

# Advanced Biochemistry-Graduate Spring 2015

Teaching Assistant: 星期二 6 / 7 / 8 堂

Week	Date	Area of Concentration	Topics	Instructor
1	2/24	Proteomics and Bio-mass spectrometry	Protein purification and quantitation	詹鴻霖老師
2	3/3		Mass spectrometry based protein identification	詹鴻霖老師
3	3/10		Database analysis	詹鴻霖老師
4	3/17	RNAi technique	Introduction of the Real-time PCR technique	林志侯老師
5	3/24		Introduction of the RNAi technique	林志侯老師
6	3/31		Application of the RNAi technique	林志侯老師
8	4/7	Ribosome dynamics	Nucleotides and Ribosomes	楊立威老師
9	4/14		Using MD simulations to study the ribosome dynamics	楊立威老師
10	4/21		Using single molecular techniques to study ribosome dynamics	楊立威老師
11	4/28	<b>Midterm Exam</b>		TA
12	5/5	Protein folding and design	Protein folding	呂平江老師
13	5/12		Protein design	呂平江老師
14	5/19		Protein design	呂平江老師
15	5/26	Molecular dynamics	Reconsider enzyme dynamics in function	蘇士哲老師
16	6/2		Intrinsic disordered protein	蘇士哲老師
17	6/9		Membrane dynamics and regulation	蘇士哲老師
18	6/16	<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.