



3000757 การแสดงออกของโปรตีน และการสกัดโปรตีนบริสุทธิ์

Protein Expression and Purification

Semester 1/2017

Schedule :Time and venue :

Lectures Friday 14.00-16.00 at room number 218, Pattayapat Building

Lab session Friday 13.00-16.00 at room number 807, Pattayapat Building

No.	Week/date	Topics	Instructors
1	18 August, 2017	Introduction. Recombinant protein expression in bacteria	Prof. Alain Jacquet
2	25 August, 2017	Recombinant protein expression in bacteria	Prof. Alain Jacquet
3	1 September, 2017	Recombinant protein expression in yeast	Prof. Alain Jacquet
4	8 September, 2017	Recombinant protein expression in mammalian and insect cells	Prof. Alain Jacquet
5	15 September, 2017	Protein detection and quantification (SDS-PAGE, Immunodetection, protein assays)	Prof. Alain Jacquet
6	22 September, 2017	Protein purification Cell lysis, Precipitation, concentration, ultrafiltration, purification strategy, instrumentation, chromatographic techniques (part 1) ,	Prof. Alain Jacquet
7	29 September, 2017	Protein purification Chromatographic techniques (part 2)	Prof. Alain Jacquet
8	6 October, 2017	Protein purification Chromatographic techniques including fusion/tagged proteins (part 3)	Prof. Alain Jacquet
9	20 October, 2017	Lab session 1	Prof. Alain Jacquet
10	27 October, 2017	Lab session 2	Prof. Alain Jacquet
11	3 November, 2017	Lab session 3	Prof. Alain Jacquet
13		PEP workshop	Prof. Alain Jacquet
14		Final Exam During the PEP workshop	Prof. Alain Jacquet