

## 2018 Advanced Chemical Biology II

Location: Room 121, Department of Chemistry, NTU      Time: 9:00 ~ 12:00 pm Fridays

TA:

Credit: 3 credits

Date	Topic	Instructor
03/02	Antibiotics (particularly in $\beta$ -Lactam) and Their Resistance Preparation of Conjugate Vaccine against Pathogenic Bacteria	Dr. Shih-Hsiung Wu
03/09		
03/16		
03/23	Natural Products – Classification, Biosynthesis and Drug	Dr. Hsiao-Ching Lin
03/30	Discovery	
04/06	No Class-Observe the Tomb Sweeping Day	
04/13	Natural Products – Classification, Biosynthesis and Drug Discovery	
04/20	Midterm Exam	
04/27	Anti-Amyloid Peptide Therapy, Peptide Drug and Alzheimer’ s disease (or protein folding and neurodegenerative diseases)	Dr. Rita P-Y Chen
05/04		
05/11		
05/18	Anti-Virus and Anti-Cancer Drug Discovery	Dr. Po-Huang Liang
05/25		
06/01		
06/08	1. Combinatorial Chemistry-Parallel synthesis &	Dr. Wenshan Li
06/15	High-Throughput Drug Screening	
06/22	2. Rational Design of Enzyme Inhibitors-Drug design: identification of a pharmacophore and lead optimization 3. Specific labeling on biomolecules-Case study	
06/29	Final Exam	