

Advanced Biotechnology and Future Perspectives (2018)

Department of Medical Laboratory Science and Biotechnology, NCKU

Course coordinator: Tzu-Fun Fu (5795)

Place: Room 5776, MT Building

Lecture time: Tuesday 13:10 ~ 15:00

Date	Topic	Lecturer	
02/27	蛋白質工程於現今生物科技的原理與應用	傅子芳	
03/06	蛋白質摺疊之概念與應用	傅子芳	傅子芳
03/13	蛋白質純化與結構/功能之分析	傅子芳	
03/20	Precision medicine	陳百昇	
03/27	Simulated protein purification—interactive practice and presentation	傅子芳	
04/10	System biology	王育民	
04/17	Microbes in current biotechnology	蔡佩珍	
04/24	Principle and application of phage-display	張權發	
05/01	Nanotechnology	謝達斌	
05/08	DNA polymerase in biotechnology application - in-depth experience from academic to industry	陳呈堯	
05/15	Novel approach for drug development (邀請:生技中心藥物平台所所長)	張嘉銘	
05/22	台灣生技產業的現況與未來展望 (邀請:台灣中油公司前生技營運組經理現任訓練所主任)	林忠亮	
05/29	橋接基礎研究與生技產業的實戰經驗分享(邀請:農業科技研究院研究員)	高增婷	
06/05	資料科學概論與 AI/ML_簡介 (邀請:華碩電腦協理)	張權德	
06/12	Students presentation	傅子芳	
06/19	Guide tour to biotech company	張權發/傅子芳	
06/26	Final exam	傅子芳	

Grading criteria:

Report from each lecture: 40%

Presentation: 30%

Final exam: 30%