

基礎生物技術及實驗

課程綱要：

Item	Content
1.	培養基配製
2.	細菌分離
3.	PCR 技術
4.	質體純化
5.	PCR 產物純化
6.	勝任細胞製備
7.	Cloning
8.	重組株篩選
9.	質體快速分析
10.	細菌抗藥性分析
11.	Multiplex PCR
12.	Real-time PCR

進階生物技術及實驗

RNA

1. Total RNA Extraction and Agarose Gel Electrophoresis of RNA
2. Total RNA Extraction and RNA Quantitation
3. First-Strand cDNA Synthesis and RT-PCR Analysis
4. Particle Bombardment Transient Expression Assay System I
*Protein
5. Extraction of Plant Tissue Protein , Protein Quantitation , Luciferase and Green Fluorescent Protein (GFP) Assay
6. Particle Bombardment Transient Expression Assay System II
7. GUS Assay
8. Animal Tissue Protein Extraction & Quantification
9. Protein 1-D SDS-PAGE
10. Western Blot