國立成功大學 114學年度碩士班招生考試試題

編 號: 191

系 所:微生物及免疫學研究所

科 目: 分子生物學

日 期: 0211

節 次:第3節

注 意: 1.不可使用計算機

2.請於答案卷(卡)作答,於 試題上作答,不予計分。

編號: 191	第1頁,共1頁
1. Please describe the molecular mechanism underlying the process from a g to a protein synthesis in eukaryotic cells. (20 points)	gene expression
2. What is "MicroRNA" and its biological role? (20 points)	,
3. Please give an example of post-translational modifications to regulate pro (20 points)	tein function.
4. If you have found a protein called X, which is a potential transcriptional faregulating the expression of gene Y. Please design experiments to prove y (20 points)	
5. Please briefly describe or define the following terms: (1) Cell cycle; (2) He (3) Autophagy; (4) Telomere. (Total 20 points, 5 points for each)	terochromatin;
,	