

題號： 329

國立臺灣大學 110 學年度碩士班招生考試試題

科目： 細胞生物學(C)

題號： 329

節次： 6

共 1 頁之第 1 頁

1. What are the main properties of stem cells? (10 分)
2. And what are the differences between embryonic stem cells (ESCs), induced pluripotent stem cells (iPSCs), hematopoietic stem cells (HSCs) and mesenchymal stem cells (MSCs)? (20 分)
3. What are the three types of cytoskeleton? Please describe (1) the types, (2) the basic building unit, and (3) the major cellular localization) (15 分)
4. Please explain the advantages and the reasons for constant mitochondria fusion and fission processes (20 分)
5. Please describe the factors that affect membrane fluidity. (20 分)
6. What are the differences between the following three types of endocytosis (1) phagocytosis, (2) pinocytosis and (3) receptor mediated endocytosis? (15 分)

試題隨卷繳回