

97-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	訊息傳遞學	Serial No. / ID	0526 / MBI4005
Dept.	分子生物科技學系	School System / Class	大學日間部4年1班
Lecturer	蔡孟峰	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	Yes
Time / Place	(一)5 / J320 (三)34 / J320	Language	Chinese

Introduction

The purpose of the Cellular Signal Transduction Course is to provide a basic principles of the cell-cell communication, intraceluular gene regulation and cellular signal transduction. The course allows the student to gather basic knowledge about principles of cell signaling. The lectures include: introduction to the cell signaling, cellular gene regulation, mediated enzyme activation,extra cellular signal, Transmembrane receptor and nuclear receptor, function and property of adaptor molecules, secondary messages, protein kinases and phosphatases, EGF and TGF -mediated signaling pathways.

Outline

The lectures include:

1. introduction to the cell signaling
2. cellular gene regulation
3. mediated emzyme activation
4. extra cellular signal
5. secondary messages
6. protein kinases and phosphatases
7. EGF and TGF -mediated signaling pathways

Prerequisite

1. Biology
2. Molecular Cell Biology