

國立清華大學 111 學年第 1 學期新開課程課程大綱

科號	LSMC 5467	組別	00	學分	2	人數限制	0
修課年級	<input type="checkbox"/> 大學部 年級以上 <input checked="" type="checkbox"/> 碩士班一年級以上(含博士班) <input type="checkbox"/> 碩士班二年級以上(含博士班)						
上課時間	F7F8			教室	生二 626		
科目中文名稱	P53 調控細胞自噬與細胞移動特論一						
科目英文名稱	Special topics in p53-regulated autophagy and cell migration I						
任課教師	林立元						
擋修科目	N/A			擋修分數	N/A		

課程簡述(必填)(最多 500 個中文字) 本欄位資料會上傳教育部課程網
 Brief Course Description (required) (50-200 words if possible, up to 1000 letters
 The course is designed to explore the most recent progress in the molecular mechanisms of chemical-induced cell migration and autophagy under the modulation of p53, The association of mitochondrial dynamics with cancer cell migration and autophagy are focused.

請輸入課程內容「中文暨英文關鍵字」至少 5 個，每個關鍵字至多 20 個中文，以半形逗點分隔 (必填)

Please fill in at least 5 course keywords (up to 40 letters for each keyword) and use commas to separate them.(required)

細胞自噬 Autophagy，細胞移動 Cell migration，粒腺體 Mitochondria
 細胞生物 Cell biology，訊息途徑 Signal pathway transcription regulation

※下列各欄由任課教師提供※

一、課程說明	The course is designed to explore the most recent progress in the molecular mechanisms of chemical-induced cell migration and autophagy under the modulation of p53, The association of mitochondrial dynamics with cancer cell migration and autophagy are focused.
二、指定用書	Top-ranked journals in the field of Molecular Biology, Cell Biology and Toxicology
三、參考書籍	N/A
四、教學方式	Seminar based presentation and group discussion
五、教學進度	The following topics will be covered: 1. Type of cell damage induced by DNA-damaging agents.

	<ol style="list-style-type: none"> 2. Signal transduction pathway associated with the chemical-induced cell autophagy 3. Regulation of cell migration and invasion via mitochondrial dynamics. 4. Association of autophagy (mitophagy) with chemical-induced cell migration. 5. Role of p53 in reulating chemical-induced cell migration and autophagy
六、成績考核	Attendance: 30%, Presentation: 50%, Discussion: 20%
七、講義位址 http://	