國立清華大學 109 學年第 2 學期新開課程課程大綱

科號		組別		學分	2	人數限制	8
修課年級	☑ 大學部 3 年級以上 ☑ 碩士班一年級以上(含博士班) ☑ 碩士班二年級以上(含博士班)						
上課時間	W5W6			教室	教室 生科一館 421A		
科目中文名稱	染色體同源重組_特論_(二)						
科目英文名稱	Special Topics (II) in Homologous Recombination of Chromosomes						
任課教師	李政昇						
擋修科目				擋修分	數		

※下列各欄由任課教師提供※

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Selected papers from high profile journals		
All students are required to read all assigned chapters and papers and then participate in classroom discussion.		
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五、教學進度	1-2. Analysis of Meiotic Recombination Intermediates by Two-Dimensional Gel Electrophoresis3-4. Mapping of Crossover Sites Using DNA Microarrays
	 5-6. Using the Semi-synthetic Epitope System to Identify Direct Substrates of the Meiosis-Specific Budding Yeast Kinase, Mek 1 7-8. Genetic and Molecular Analysis of Mitotic Recombination in Saccharomyces cerevisiae 9-10. In Vivo Site-Specific Mutagenesis and Gene Collage
	Using the Delitto Perfetto System in Yeast Saccharomyces cerevisiae
	11-12. Detection of RNA-Templated Double-Strand Break Repair in Yeast .
	13-14. Tracking of Single and Multiple Genomic Loci in Living Yeast Cells
	15-16. Cell Biology of Homologous Recombination in Yeast
	17-18. Live Cell Imaging of Meiotic Chromosome Dynamics in Yeast
六、成績考核	Class discussion: 40%. Assigned presentation: 40%. Attendance: 20%.
七、講義位址 http://	