

Molecular Diagnostics 2018

Medical Laboratory Science and Biotechnology

National Cheng Kung University

Time: 10:10 - 12:00, Wednesdays

Place: R. 5776, MT Bldg.

Course organizer : 黃溫雅 (5766)

Date	Topic	Speaker
02-28	No class	
03-07	Introduction	黃溫雅
03-14	Pharmacogenetics	黃溫雅
03-21	Molecular diagnosis in genetic diseases	郭保麟
03-28	Methods in molecular diagnostics	陳怡伶
04-04	No class	
04-11	Molecular diagnosis in HLA - I	陳怡伶
04-18	10:10-11:00 Molecular diagnosis in HLA - II	陳怡伶
	11:10-12:00 Molecular diagnosis in metabolic diseases	謝淑珠
04-25	Mid-term exam	黃溫雅
05-02	Molecular diagnosis in hematologic malignancies	何中良
05-09	Molecular diagnosis in bacteria and fungi	蔡佩珍
05-16	New techniques in molecular diagnostics	陳怡伶
05-23	Molecular diagnosis in viruses	蔡慧頻
05-30	Molecular diagnosis in solid tumors and targeting therapy	曾慶平
06-06	Quality management in molecular diagnostics	游雅言
06-13	Bioinformatics in molecular diagnosis	劉宗霖
06-20	Student presentations and discussions	黃溫雅
06-27	Final exam	黃溫雅

Invited speakers:

1. 曾慶平：長庚大學醫學生物技術暨檢驗學系 教授
2. 游雅言：衛福部彰化醫院檢驗部 主任
3. 劉宗霖：成大生物科技與產業科學系 副教授

Textbook: 醫學分子檢驗, 第五版, 2017年9月, 五南出版社

Grading: 1. Presentation & discussion: 30%

2. Mid-term exam: 35%

3. Final exam: 35%