

# 108-1 分子醫學跨學科研究培訓 Interdisciplinary Laboratory Rotation for Molecular Medicine

2019/6/12 製、2019/6/28 修訂

**Time :** Mondays 13:10-14:00 (開課序號 Serial Number:028、課程系統碼 Course System Number:T161700)

**Classroom:** Room 204 (醫學院 204 教室)

**Coordinator :** Shainn-Wei Wang 王憲威(ext. 4218) (swwang@mail.ncku.edu.tw )

**Teaching Assistant :** 侯奐慈 skyrain916828@gmail.com (ext.4217)

**Course Objectives:** To inspire and familiarize enrolled foreign students with advanced research topics in their interested laboratories during rotation. Students are expected to obtain critical knowledge and technical skills in their selected labs during interaction with the lab members as well as to capture the essence of essay writing and experimental designs while performing bench work and/or reading/presentation of assigned journal articles.

**Course Description and Format:** Students can rotate in two or more labs of their interests in the fields of molecular medicine and/or infectious diseases, which include advanced oncology, genomics, virology, and/or microbiology related researches. Students may obtain interdisciplinary training by participating in relevant bench works and/or journal clubs in specified labs. However, each student is allowed to select two instructors at most per semester for such training. Students must consult their advisors (or alternatively, departmental chair) and available instructors before taking this course, and a list of instructors for your rotation must hand in to the coordinator before the 2nd class. Course format may vary with different instructors, but mainly involves assigned literature review and bench works.

**Grading Criteria:** 20% in attendance of journal clubs plus 80% in assignments and bench work performance.

## 課程進度 Course Progress Outline

週次 Week	日期	進度說明 Progress Description	授課教師
1	9/09	Grouping and scheduling of students to each instructor	Shainn-Wei Wang 王憲威
2	9/16	Rotation begins with available times in Lab A Lab orientation & assignments from each instructor	Assigned instructor A
3	9/23	Conducting assignment in Lab A	Assigned instructor A
4	9/30	Conducting assignment in Lab A	Assigned instructor A
5	10/7	Conducting assignment in Lab A	Assigned instructor A
6	10/14	Conducting assignment in Lab A	Assigned instructor A
7	10/21	Conducting assignment in Lab A	Assigned instructor A
8	10/28	Conducting assignment in Lab A	Assigned instructor A
9	11/04	Conducting assignment in Lab A	Assigned instructor A
10	11/11	1. Rotation begins with available times in Lab A 2. Lab orientation & assignments from each instructor	Assigned instructor B
11	11/18	Conducting assignment in Lab B	Assigned instructor B
12	11/25	Conducting assignment in Lab B	Assigned instructor B
13	12/02	Conducting assignment in Lab B	Assigned instructor B
14	12/09	Conducting assignment in Lab B	Assigned instructor B
15	12/16	Conducting assignment in Lab B	Assigned instructor B
16	12/23	Conducting assignment in Lab B	Assigned instructor B
17	12/30	Conducting assignment in Lab B	Assigned instructor B
18	1/05	Students report to coordinator for final evaluation	Shainn-Wei Wang 王憲威

方法	百分比%	閱讀、理解與運用 專業知識	彙整新知與良好的 溝通能力	生物醫學研究技術 的應用與能力	解決研究問題的能力
出席期刊閱讀會:Journal clubs	20	V	V	V	V
作業與實驗室表現: Assignments plus bench work participation	80	V	V	V	V