106 -1 Introduction to Research 研究導論

Time: Tuesdays 13:10 - 15:00

Classroom: Room 604（醫學院 604 教室）

Coordinator Chi-Wu Chiang 蔣輯武(ext. 3637) (chiangcw@mail.ncku.edu.tw)

Teaching Assistant: 朱沛容(ext.3591)

Course Objectives: This course introduces graduate students to scientific integrity and research ethics, biosafety, time management, hypothesis testing, scientific reading and communication, abstract/poster/proposal writing, and an overview of various biomedical methodologies and technologies. Students will also be exposed to current pharmaceutical developments or job opportunities in Taiwan and Asia.

Course Format: A weekly 2-hour course and each topic will be covered in 2 sequential sessions with a combination of informal didactic presentation by the faculty, as well as discussion, oral and written presentation and hands-on planning by the students. **English** is used in the classroom and in written reports.

Grading Criteria: Students are evaluated based on attendance and classroom participation/performance (30%), assignments (40%), and Final report (30%).

課程進度 Course Progress Outline

序	日期	授課教師	主題 Topic
1	**9/19**	Chi-Wu Chiang 蔣輯武	Scientific Integrity
2	**10/2***	Pao-Lin Kuo 郭保麟	Ethical Issues of Researches Involving Humans as well as Animals
3	**10/3**	Alice Y.W. Chang 張雅雯	Experiences in Institutional Review Board (IRB)
4	**10/17**	Alice Y.W. Chang 張雅雯	Issues in Publication of Data
5	**10/24**	Chi-Wu Chiang 蔣輯武	How to be a Good Researcher?
6	**10/31**	Ching-Hao Teng 鄧景浩	Biosafety and Lab Safety
7	**11/7**	Shainn-Wei Wang 王憲威	Scientific Writing I (abstract & poster)
8	**11/14**	Shainn-Wei Wang 王憲威	Scientific Writing II (Results)
9	**11/21**	Li-Wha Wu 吳梨華	Scientific Reading I (journal formats, data presentation & interpretation, etc.)
10	**11/28**	Li-Wha Wu 吳梨華	Scientific Reading II (journal formats, data presentation & interpretation, etc.)
11	**12/5**	Chi-Wu Chiang 蔣輯武	Communication Skills I (interpersonal & scientific)
12	**12/12**	Chi-Wu Chiang 蔣輯武	Communication Skills II (interpersonal & scientific)
13	**12/19**	Ching-Hao Teng 鄧景浩	Methodology in Biomedical Research
14	**12/26**	Nanshan Chang 張南山	Animal Models for Human Diseases
15	**107/1/2**	Chung-I Li 李俊毅	Applications of Biostatistics in Biomedical Research
16	**107/1/9**	Cheng-Yao Chen 陳呈堯	From Basic Research to Biotechnology Applications
17	**107/1/16**	Jason Chen 陳嘉興	Industrial experiences

＊Note: the lecture date is rescheduled to Monday, which is different from the regular Tuesday. The classroom is also changed to the conference room at 3F in IMM.

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	解決研究問題的能力
出席與課堂參與: Attendance, classroom participation & performance	30	V	V	V
作業: Assignments	40	V	V	V
期末報告: Final report	30	V	V	V