LIFS 6116E, Current Topics in Genomics and Bioinformatics

Spring, 2021-2022

1. **Time / Date**: 5:00 PM - 6:50 PM (Wednesdays)

2. **Venue**: Zoom and/or Room 2463, Academic Building, pending university's instruction

3. **Instructors:**

Prof. Chun Liang (CL; Course coordinator), Ext. 7296, bccliang@ust.hk
Prof. Tom Cheung (TC), Ext. 7306, tcheung@ust.hk
Prof. Danny Leung (DL), Ext. 2494, dcyleung@ust.hk
Prof. Jiguang Wang (JGW), Ext. 2672, jgwang@ust.hk
Prof. Angela Wu (AW), Ext. 2577, angelawu@ust.hk

4. **Course Description**

This course aims to broaden the scientific horizon of postgraduate students in the field of genomics and bioinformatics via active participation in class. A secondary goal is for postgraduate students to learn presentation and other soft skills that will be of use outside the specific course topics. This course is a scientific forum for postgraduate students to exchange research information, discuss scientific problems, develop communication skills at presentation of scientific work, and learn methods for critically evaluating journal articles.

5. **Learning Outcomes**

By the end of this course, you will be able to:

1. Describe the current research findings in the area of genomics and bioinformatics.
2. Evaluate and analyze information relevant to genomics and bioinformatics systematically.
3. Exchange research information and ideas, and communicate and explain information and ideas in the area of genomics and bioinformatics.
4. Present research and scientific topics in an organized and rational manner, effectively use data and scientific principles to support rational conclusions, and defend them in the discussion part of the presentation.

6. **Course Assessment**

The grading system of the course is P/F, mainly based on class attendance and participation. The minimum attendance requirement is 70% of scheduled classes. The students are expected to be active participants during each class period.

7. **Academic honesty:**

Please follow basic ethical guidelines for academic integrity and honesty. You can review the HKUST Academic Honor Code here: http://tl.ust.hk/integrity/. Follow the link for "Information for students" and

"Regulations for student conduct and academic integrity" to see examples of what is considered academic misconduct, and how to avoid it.

7. Schedule

Date	Lecture	Instructor
09 Feb.	Introduction (Zoom only)	CL
16 Feb.	Student presentation	AW
23 Feb.	Student presentation	AW
02 Mar.	Student presentation	JGW
09 Mar.	Student presentation	JGW
16 Mar.	Student presentation	JGW
23 Mar.	Student presentation	DL
30 Mar.	Student presentation	DL
06 Apr.	Student presentation	TC
20 Apr.	Student presentation	TC
27 Apr.	Student presentation	TC
04 May	Student presentation	CL
11 May	Student presentation	CL