

# LIFS 6116A, Current Topics in Genomics and Bioinformatics

## 1. Course Description

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

## 2. Learning Outcomes

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

1. Describe the current research findings in the area of genomics/bioinformatics.
2. Evaluate and analyze information relevant to genomics/bioinformatics systematically.
3. Exchange research information/ideas, communicate and explain information/ideas in the area of genomics/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.

3. **Date/Time:** 5:00 PM-6:50 PM (Wednesday)

4. **Venue:** LSK business Building Rm. 1033

## 5. **Instructors:**

Prof. Danny Leung (DL)(Course coordinator)(Ext. 2494, dcyleung@ust.hk)

Prof. Hannah Xue (HX) (Ext. 8707, hxue@ust.hk)

Prof. Jiguang Wang (JW)(Ext. 2672, jgwang@ust.hk)

Prof. Angela Wu (AW)(Ext. 2577, angelawu@ust.hk)

Prof. Tom Cheung (TC)(Ext. 7306, tcheung@ust.hk)

## 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. Schedule

<b>Date</b>	<b>Lecture</b>	<b>Instructor</b>
Feb 7 <sup>th</sup>	Introduction	DL
Feb 14 <sup>th</sup>	Student presentation (1-1)	HX
Feb 28 <sup>th</sup>	Student presentation (1-2)	HX
Mar 7 <sup>th</sup>	Student presentation (1-3/2-1)	HX/DL
Mar 14 <sup>th</sup>	Student presentation (2-2)	DL
Mar 21 <sup>st</sup>	Student presentation (3-1)	JW
Mar 28 <sup>th</sup>	Student presentation (3-2)	JW
Apr 4 <sup>th</sup>	Student presentation (3-3/4-1)	JW/AW
Apr 11 <sup>th</sup>	Student presentation (4-2)	AW
Apr 18 <sup>th</sup>	Student presentation (4-3)	AW
Apr 25 <sup>th</sup>	Student presentation (5-1)	TC
May 2 <sup>nd</sup>	Student presentation (5-2)	TC
May 9 <sup>th</sup>	Student presentation (5-3/2-3)	TC/DL