

Division of Life Science  
LIFS 5260  
Molecular and Biochemical Basis of Diseases

**Course Description:**

This course will cover advanced topics on the biochemical basis of human diseases, molecular medicine and structure based drug design.

**Intended Learning Outcomes:**

At the end of this course, students are expected to:

- Gain knowledge about the molecular mechanism underlying certain human diseases.
- Learn how to apply knowledge from modern biomedical sciences to evaluate current treatments and envision potential future treatments.

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	2018/19 Spring Semester
Date/Time:	Fri 10:30AM - 01:20PM
Venue:	Rm 2610, Lift 31-32
Course coordinator:	Prof. Kai Liu, kailiu@ust.hk x7277, office@5445

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<b>Feb 15</b>	Mental Disorder	Prof. Kai Liu
<b>Feb 22</b>	Drugs and the Brain	Prof. Jun Xia
<b>Mar 01</b>	Traditional Chinese medicine in the treatment of chronic diseases	Prof. Karl Tsim
<b>Mar 08</b>	Hippo signaling in cancer	Prof. Yan Yan
<b>Mar 15</b>	Disease modeling and drug screening using zebrafish model system	Prof. Zilong Wen
<b>Mar 22</b>	Student presentation	Prof. Kai Liu
<b>Mar 29</b>	Student presentation	Prof. Jun Xia
<b>Apr 12</b>	Student presentation	Prof. Karl Tsim
<b>Apr 26</b>	Student presentation	Prof. Yan Yan
<b>May 3</b>	Student presentation	Prof. Zilong Wen

[May 31 written reports due]

**Assessment Scheme:**

One paper related to one topic will be assigned to each student for presentation and two students for questioning after each presentation. Each student will give one 30 minute oral presentation (40%) on the assigned paper and five 1~2 pages written critical reviews on assigned papers, one per topic (total 50%). Questioning (5%) and attendance will be assessed (5%).