



**MMPH6008 Genes and Gene Functions in Diseases (Semester 2)**

<b>Course Coordinator(s):</b>	Dr YQ Song, School of Biomedical Sciences (Tel no.: 3917 9245; Email: <a href="mailto:songy@hku.hk">songy@hku.hk</a> )
<b>Delivery Mode of Lectures:</b>	Face-to-face
<b>Lecture Venue:</b>	Lecture Theatre 1, G/F, William M.W. Mong Block, No. 21 Sassoon Road # 3/F, Seminar Room 1, No. 3 Sassoon Road
<b>Final Examination:</b>	<b>Wednesday, May 24, 2023 (2:30 – 4:30 pm)</b> <b>TBC, HKU Main Campus</b>

	<b>Date</b>	<b>Time</b>	<b>Lecture Topic</b>	<b>Lecturer</b>
1	07.02.2023 (Tue)	18:30-20:30	Complex genetic diseases	Dr YQ Song
2	14.02.2023 (Tue)	18:30-20:30	Reverse genetics and cloning of human disease genes: the cystic fibrosis gene	Dr KM Yao
3	21.02.2023 (Tue)	18:30-20:30	Epigenetic regulation by histone modifications	Dr Y Liu
4	28.02.2023 (Tue)	18:30-20:30	Gene function analysis: model organism and transgenic animals	Prof KSE Cheah
5	07.03.2023 (Tue)	18:30-20:30	Introduction to protein structure and function	Dr CM Qian
6	14.03.2023 (Tue)	18:30-20:30	Protein dysfunction and disease	Dr K Zhou
7	21.03.2023 (Tue)	18:30-20:30	Targeting gene mutations by activity-based compounds for cancer therapy	Dr CYS Chung
8	28.03.2023 (Tue)	18:30-20:30	Genetic mutations and cancer	Dr J Kim
9	04.04.2023 (Tue)	18:30-20:30	MicroRNA biogenesis and RNA therapeutics	Dr SC Kwon
10	11.04.2023 (Tue)#	18:30-20:30	Molecular mechanisms of ageing	Prof ZJ Zhou
11	18.04.2023 (Tue)#	18:30-20:30	Protein misfolding, amyloid formation and neurodegeneration	Dr R Hervas Millan
12	25.04.2023 (Tue)#	18:30-20:30	Stem cell and regenerative medicine	Prof PT Liu