



Course Title & Code: **MMPH6008 Genes and Gene Functions in Diseases (Semester 2)**

Course Co-ordinator: **Dr YQ Song**

Venue:

Lecture Theatre 1, G/F, William M.W. Mong Block, No. 21 Sassoon Road

*** Lecture Theatre 2, G/F, William M.W. Mong Block, No. 21 Sassoon Road**

Tentative Examination Date: **Friday, May 17, 2024 (9:30 – 11:30 am) TBC, HKU Main Campus**

Timetable

Date	Time	Lecture Topic	Lecturer
30.01.2024 (Tue)*	18:30-20:30	Complex genetic diseases	Dr YQ Song
06.02.2024 (Tue)	18:30-20:30	Reverse genetics and cloning of human disease genes: the cystic fibrosis gene	Dr KM Yao
20.02.2024 (Tue)	18:30-20:30	Epigenetic regulation by histone modifications	Prof Y Liu
27.02.2024 (Tue)	18:30-20:30	Targeting gene mutations by activity-based compounds for cancer therapy	Prof CYS Chung
05.03.2024 (Tue)	18:30-20:30	Introduction to protein structure and function	Prof CM Qian
12.03.2024 (Tue)	18:30-20:30	Protein dysfunction and disease	Prof K Zhou
19.03.2024 (Tue)	18:30-20:30	Gene function analysis: model organism and transgenic animals	Dr ZW Ye
26.03.2024 (Tue)	18:30-20:30	MicroRNA biogenesis and RNA therapeutics	Prof SC Kwon
02.04.2024 (Tue)	18:30-20:30	Genetic mutations and cancer	Prof J Kim
09.04.2024 (Tue)	18:30-20:30	Molecular mechanisms of ageing	Prof ZJ Zhou
16.04.2024 (Tue)	18:30-20:30	Protein misfolding, amyloid formation and neurodegeneration	Prof R Hervas Millan
23.04.2024 (Tue)	18:30-20:30	Stem cell and regenerative medicine	Prof PT Liu