



SBMS7200 Genes and Gene Functions in Diseases (Semester 2)

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| Course Coordinator(s): | Professor J Kim, School of Biomedical Sciences (Tel: 3917 9261 ; Email: jungkim@hku.hk) |
| Delivery Mode of Lectures: | Face-to-face |
| Lecture Venue: | Lecture Theatre 1, G/F, William MW Mong Block, No. 21 Sassoon Road # Seminar Room 3, 4/F, Room 402, No. 3 Sassoon Road |
| Final Examination: | Wednesday, May 20, 2026 (9:30 – 11:30 am) TBC, HKU Main Campus |

| | Date | Time | Lecture Topic | Lecturer |
|----|-------------------|-------------|---|---------------------------|
| 1 | 03.02.2026 (Tue) | 18:30-20:30 | Complex genetic diseases | Professor J Kim |
| 2 | 10.02.2026 (Tue) | 18:30-20:30 | Reverse genetics and cloning of human disease genes: the cystic fibrosis gene | Dr KM Yao |
| 3 | 24.02.2026 (Tue)# | 18:30-20:30 | Epigenetic regulation by histone modifications | Professor Y Liu |
| 4 | 03.03.2026 (Tue)# | 18:30-20:30 | Gene function analysis: model organism and transgenic animals | Dr ZW Ye |
| 5 | 10.03.2026 (Tue) | 18:30-20:30 | Introduction to protein structure and function | Professor K Zhou |
| 6 | 17.03.2026 (Tue) | 18:30-20:30 | Protein dysfunction and disease | Professor K Zhou |
| 7 | 24.03.2026 (Tue) | 18:30-20:30 | Targeting gene mutations by activity-based compounds for cancer therapy | Professor CYS Chung |
| 8 | 31.03.2026 (Tue) | 18:30-20:30 | Genetic mutations and cancer | Professor J Kim |
| 9 | 14.04.2026 (Tue) | 18:30-20:30 | MicroRNA biogenesis and RNA therapeutics | Professor SC Kwon |
| 10 | 21.04.2026 (Tue) | 18:30-20:30 | Molecular mechanisms of ageing | Professor ZJ Zhou |
| 11 | 28.04.2026 (Tue) | 18:30-20:30 | Protein misfolding, amyloid formation and neurodegeneration | Professor R Hervas Millan |
| 12 | 05.05.2026 (Tue) | 18:30-20:30 | Stem cell and regenerative medicine | Professor P Liu |