



分子醫學研究所課程規劃架構

Course Planning framework of Institute of Molecular Medicine

Entrance

Core courses

(Required courses)

- ❖ Seminar (1)
- ❖ Seminar (2)
- ❖ Seminar (3) ★☆
- ❖ Seminar (4) ★☆
- ❖ Advanced Molecular Biology-1/-2★☆☆
- ❖ Advanced Cell Biology-1/-2★☆☆

Basic courses

(Electives: Non-discipline restricted)

- ❖ Introduction to Research★☆☆
- ❖ Bioinformatics
- ❖ Special topics for Molecular Medicine(1)★☆☆
- ❖ Special topics for Molecular Medicine (2)★☆☆
- ❖ Interdisciplinary Laboratory Rotation for Molecular Medicine★☆☆
- ❖ Modern Biotechnology★☆☆

Professional courses

(Electives: Discipline-specific)

Infectious Diseases

- ❖ Fundamentals of Infectious Diseases and Microbial Research
- ❖ Microbial Pathogenesis

Genetic & Developmental

- ❖ Special Topics in Genetics (1)/(2)
- ❖ Genomics and Functional Biology(1)/(2)
- ❖ Genomics and Molecular Medicine

Cancer Biology (Oncobiology)

- ❖ Angiogenesis★☆☆
- ❖ Molecular Pathology of Cancer
- ❖ The Molecular Mechanisms of the Programmed Cell Death
- ❖ Glycobiology

Aging Biology

- ❖ Special Topics in Aging Research
- ❖ Neuroimmunology ★☆☆
- ❖ Introduction to Artificial Intelligence for Neruoscience★☆☆

Total 30 credits (required courses 10, elective courses 14 and Thesis 6 credits)

Thesis

★English course ☆EMI course

2024/8/223

Graduation