

Curriculum **Medical Life Sciences**

Semester 1

| Compulsory modules | | | |
|---------------------|---------------------------------|--------------------|------------------|
| Molecular biology | Immunology | Medical statistics | Studies & career |
| Molecular pathology | Clinical disease manifestations | Human Biology | Systems biology |

Semester 2

| Focus areas | | | Electives | | | Compulsory |
|---|-----------------|-----------------------|------------------------------|---------|-----------|-------------------------|
| Inflammation | Oncology | Evol. medicine | Tracing disease through time | Imaging | Molecular | Molecular pathology |
| Lecture | Lecture | Lecture | | | | Bioinformatics |
| Seminar | Seminar | Seminar | | | | Mol. immunology |
| Lab practical 1 | Lab practical 1 | Lab practical 1 | | | | Engl. scient. writing 1 |
| Lab practical 2 | Lab practical 2 | Lab practical 2 | | | | Scientific studies |
| Practical disease research: Diagnostics | | | | | | Pharmacology |

Semester 3

| Continue focus area | | | Electives | | | Compulsory | | |
|--|-----------------|-----------------------|-----------------------------------|---------------------------|-----------------------------|---------------------------------|--|--|
| Inflammation | Oncology | Evol. medicine | Tracing disease + small elective* | Imaging + small elective* | Molecular + small elective* | Project planning | | |
| Lab project | Lab project | Lab project | | | | Human genetics | | |
| Seminar | Seminar | Seminar | | | | New technologies in biomedicine | | |
| Joint seminar: Current affairs all focus areas | | | | | | Engl. scient. writing 2 | | |

*Small electives to choose from: Epithelial Barrier Functions, Neurosciences, Regen. Medicine, Cardiovasc. epidemiology, Metabolomics, Molecular diagnostics

Sem. 4

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| Master's thesis | | | |
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