

Curriculum **Medical Life Sciences**

Semester 1

| Compulsory modules | | | |
|---------------------------------|-----------------|-------------------------------|---------------|
| Basics of molecular biology | Immunology | Orientation: Studies & career | |
| Clinical disease manifestations | | Clinical cell biology | Human Biology |
| Molecular pathology | Systems biology | Medical statistics | |

Semester 2

| Focus area (choose one) | | | Electives (choose one) | | | | Compulsory |
|---|--------------------|-----------------------|------------------------|------------------------------|---------|-----------|-------------------------|
| Inflammation | Oncology | Evolutionary medicine | Epidemiology | Tracing disease through time | Imaging | MoLOcular | Molecular pathology |
| Lecture Seminar | Lecture Seminar | Lecture Seminar | | | | | Bioinformatics |
| Lab practical 1 | Lab practical 1 | Lab practical 1 | | | | | Molecular immunology |
| Lab practical 2 | Lab practical 2 | Lab practical 2 | | | | | Engl. scient. writing 1 |
| Practical disease research: Diagnostics | | | | | | | Project planning |
| | | | | | | | Pharmacology |

Semester 3

| Continue focus area | | | Continue elective + choose additional small elective | | | | Compulsory |
|--|-------------|-----------------------|--|-----------------------------------|--------------------------|----------------------------|---------------------------------|
| Inflammation | Oncology | Evolutionary medicine | Epidemiology + small elective* | Tracing disease + small elective* | Imaging + small elective | MoLOcular + small elective | Scientific studies |
| Lab project | Lab project | Lab project | | | | | Project: Block seminar |
| Seminar | Seminar | Seminar | | | | | Human genetics |
| Joint seminar: Current affairs all focus areas | | | | | | | Engl. scient. writing 2 |
| | | | | | | | New technologies in biomedicine |

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

Sem. 4

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| Master's thesis |
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