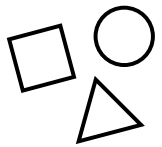
2 YEARS (120 EC) OF BIOMOLECULAR SCIENCES HOW DO WE GET YOU THERE?

Year 1

Sept — Dec | Jan — Jun

Sept-Dec



(Re-)solidify the fundamentals

- From Genome to Function
- Protein Science
- Fundamentals of Bioinformatics
- Cell Structures and Functions

Jan-Jun

Unlock Your Potential

Unlock your potential 1

- 1 course (Topics in Biomolecular Sciences or elective)
- Internship (wetlab project, 30 EC)

Professionalism in Biomolecular Sciences

Workshops throughout the year

6 EC = 4 weeks, in total 120 EC

2 YEARS (120 EC) OF BIOMOLECULAR SCIENCES HOW DO WE GET YOU THERE?

Year 2

Sept | Oct | Nov | Jun

Sept-Oct
Research

- Lifecycle of Research Projects
- 1 course (Topics in Biomolecular Sciences* or elective)

Nov-Jun
Unlock your potential 2

- 2 courses (Topics in Biomolecular Sciences* or elective)
- Internship (wetlab/bioinformatics project, 33EC)

Professionalism in Biomolecular Sciences
Workshops throughout the year

6 EC = 4 weeks, in total 120 EC

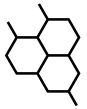
*You do 'Topics in Biomolecular Sciences' once

ELECTIVES – CHOOSE ANY FROM 15 OPTIONS

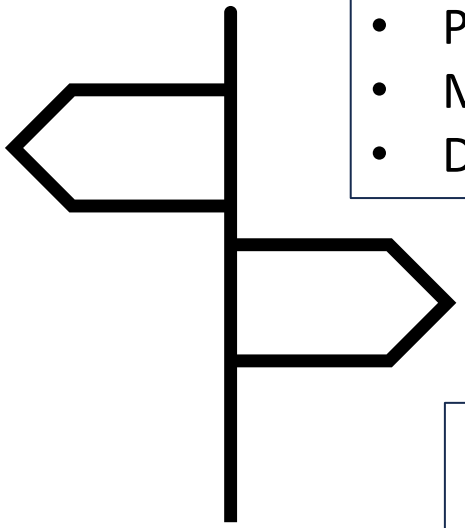
(Systems) Biology

- Introduction to Systems Biology
- Molecular Infection Biology
- The Human Microbiome and Disease
- Basic Models of Biological Networks

(Chemical) Molecules and Toxicology



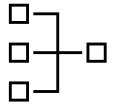
- Principles of Drug Targets
- Molecular and Cellular Toxicology
- Drug target Biochemistry and Signalling



Tools & Analysis

- Biophotonics
- Statistics with R
- 3Rs of animal experiments applying human cells in culture
- Quantitative Single-cell Biology

Bioinformatics



- Algorithms in Sequence analysis
- Biosystems Data analysis
- Structural Bioinformatics
- Bioinformatics for Translational Medicine

Go to the VU study guide to get detailed information about the courses