

Functional Genetics and Bioinformatics

Recommended courses for students enrolled in summer semester

Bioinformatics 1 st Summer Semester	Human Molecular Genetics 1 st Summer Semester	Molecular Cell Biology and Genetics 1 st Summer Semester	Biotechnology 1 st Summer Semester
Master thesis, Practical part (KMB/881) Genetics – Colloquia (KMB/180) Cell Structure and Function (5 ECTS) (KMB/914) Essays in Omics & Biotechnology (2 ECTS) (KMB/918) Practical Computing for Biologists II (3 ECTS) (KMB/939)	Master thesis, Practical part (KMB/881) Genetics – Colloquia (KMB/180) Cell Structure and Function (5 ECTS) (KMB/914) Essays in Omics & Biotechnology (2 ECTS) (KMB/918) Practical Computing for Biologists II (3 ECTS) (KMB/939)	Master thesis, Practical part (KMB/881) Genetics – Colloquia (KMB/180) Cell Structure and Function (5 ECTS) (KMB/914) Essays in Omics & Biotechnology (2 ECTS) (KMB/918) Practical Computing for Biologists II (3 ECTS) (KMB/939)	Master thesis, Practical part (KMB/881) Genetics – Colloquia (KMB/180) Cell Structure and Function (5 ECTS) (KMB/914) Essays in Omics & Biotechnology (2 ECTS) (KMB/918) Practical Computing for Biologists II (3 ECTS) (KMB/939)
BASH Programming (4 ECTS) (KMB/934) Introduction to R (4 ECTS) (KMB/922) Genomics (6 ECTS) (KMB/919)	Fundamental Human Genetics (5 ECTS) (KMB/932) Molecular Mechanisms of Disease (6 ECTS) (KMB/923) a) Epigenetics & Regulation of Gene Expr. (5 ECTS) (KMB/618) OR b) Molecular Physiology and Metabolism (3 ECTS) (KMB/924) and Advanced Methods of Mol. Biology 2 (2 ECTS) (KMB/602E)	Molecular Mechanisms of Disease (6 ECTS) (KMB/923) Epigenetics & Regulation of Gene Expr. (5 ECTS) (KMB/618) Advanced Methods of Mol. Biology 2 (2 ECTS) (KMB/602E) Molecular Physiology and Metabolism (3 ECTS) (KMB/924)	Gene & Protein Engineering (4 ECTS) (UCH/020) Plant Biotechnology (3 ECTS) (KMB/937) Animal Biotechnology (5 ECTS) (VURH/ANBIF) a) Molecular Physiology and Metabolism (3 ECTS) (KMB/924) OR b) Algal Biotechnology (4 ECTS) (KMB/912)

For an overall overview of the programme [click here](#)



Core courses (common to all)



Obligatory courses



Obligatory elective courses