

Molecular Biotechnology

Far Eastern Federal University

Degree or qualification is awarded: **Master**

Language of study: **English**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **no**

Price: **360 000 rubles per year**

Programme webpage at the university website: <https://www.dvfu.ru/admission/program-m/19.04.01.php>

Programme curator: **Artem Grachev**

Tel.: **+74232652424 (#2206)**

E-mail: interadmission@dvfu.ru

Students of the Molecular Biotechnology program will acquire general cultural, general professional and professional competencies that will be formed as a result of mastering the biomedical industry and functional genomics; molecular biology of the cell; bioinformatics; genetic engineering; basic methods in molecular biology; mathematical modeling in biology; evolutionary and medical genomics; chemistry in molecular biology; developmental biology; cancer biology; preclinical pharmacology; neurobiology; RNA biology; stem cells.

In the course of training, undergraduates will get acquainted with the main directions of fundamental and applied research in the development of new anticancer drugs based on molecular biotechnology and highly efficient screening of natural compounds; biopolymers, pharmacologically active metabolites, and mechanisms of molecular recognition of marine organisms for the creation of new biomedical technologies; new genetic constructs and products of cellular technologies for the diagnosis and treatment of cancer; biocompatible materials and bio-artificial analogs of human tissues for regenerative medicine; structure and dynamics of biomolecules and molecular complexes by methods of theoretical physics.

Specializations within this programme