

# Cellular technologies

Immanuel Kant Baltic Federal University

Language of study: **Russian**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **no**

Price: **2 400 USD per year**

During the course of study, you will learn the basics of cell and molecular biology, immunology, molecular genetics, experimental methods of cell and molecular biology, cell and molecular biological technologies, as well as many other disciplines. You will learn how to isolate cell cultures, use them to evaluate new biomaterials and drugs, learn about genome editing techniques and methods of diagnosing and treating diseases, and simulate physiological and pathological processes at the cellular and molecular levels. This knowledge will allow you to become a successful professional in advanced fields of science, such as cell and molecular biology.

## Specializations within this programme

### What will I study?

- Basics of molecular cell biology
- Bioinformatics fundamentals
- Molecular genetic methods
- Structure and dynamics of macromolecules
- Genetic and protein engineering
- Physical and chemical research methods in cell and molecular biology
- Methods for testing biomaterials on cell cultures