

# Biomedical research

National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)

Degree or qualification is awarded: **Bachelor's degree**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **4 years**

Availability of free education: **yes**

Price: **89 872 per semester**

Programme curator: **Prof. Liudmila Komarova**

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## OBJECTIVES:

Biotechnology is a field of science related to the creation of new products with the help of living organisms, cultured cells and biological processes. The modern biotechnology is based on the genetic and cell engineering with a wide range of biochemistry methods.

## THE MAIN SCIENTIFIC DIRECTIONS:

- Production of bioactive compounds and drugs
- Investigation of nanoparticles utilizing microorganisms and cell culture
- Food industry and animal feed production
- Development and application of biological methods of plant protection against insects and illnesses
- Quality control of pharmaceuticals and medicinal substances production

## Professional Activities

- Genetic and cell engineering
- Tissue therapy
- Pre-clinical trials
- Production Quality control
- Medical supplies and drugs Quality control
- Microbiological research

## INTERSHIP AND EMPLOYMENT

- MRRC named after A.F. Tsyba - a branch of the Federal Research Medical Center "Radiology Research Center" of the Ministry of Health of Russia
- The Alliance of Competences "Park of Active Molecules" (PAM)
- "Orden Trudovogo Krasnogo znamenii Nauchno-Issledovatel'skiy Fiziko-Khimicheskiy Institut Im. L. Ya. Karpova" incorporation

- Nestlé Rossiya Ltd (Vorsino)

## **Specializations within this programme**