

## **06.04.01 Biology**

### **Biomedical Research**

*Department "Biology"*

#### **Program objective**

We are training fundamentals of natural sciences: biology, radiobiology, chemistry, medicine – to study wildlife and its laws, the use of biological systems for economic and medical purposes, nature protection.

#### **Key research areas**

- biological systems and processes of their life and evolution
- biological, bioengineering, biomedical, nature conservation technologies, biological expertise and monitoring, assessment and restoration of territorial biological resources

#### **Curriculum features**

- Basic disciplines: English language, history and methodology of biology, computer technology and statistics, mathematical modeling of biological processes, fundamentals of legal protection of intellectual property, etc.
- Special disciplines: bioeffects of low doses of radiation, methods for assessing the consequences of large-scale radiation accidents, physical dosimetry in experimental radiology, radiation genetics

#### **Practical training and employment opportunities**

- Tsyba Federal Research Medical Center – branch of the Federal Research Medical Center "Radiology Research Center" of the Ministry of Health of Russia
- Karpov Research Institute of Physics and Chemistry
- Alliance of Competences – Park of Active Molecules
- Federal Medical and Biological Agency enterprises