

06.04.01 Biology

Experimental Radiology

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
- All-Russian Research Institute of Radiology and Agroecology
- Leipunskiy Institute of Physics and Energy
- Karpov Research Institute of Physics and Chemistry
- Alliance of Competences – Park of Active Molecules
- Federal Medical and Biological Agency enterprises