

06.03.01 Biology

Radiobiology

Radiobiologists find different means of protection of organisms against radiation and methods of its post-radiation recovery, search for the new methods of ionizing radiation application in the fields of medicine, agriculture, food and microbiological industries

Major challenges of modern radiobiology are to study radiation poisoning of organisms during their total exposure, reasons for the difference in radiosensitivity of organisms.

We are seeking for students who are eager to search for peculiarities and patterns of living organisms activities and find ways to protect them against radiation.

Key research areas

- Radiological immunology and genetics
- Radiation pathology and epidemiology
- Treatment of radiation injuries and cancer
- Agricultural radiobiology
- Radiobiology of non-ionizing radiation
- Propagation and interaction of ionizing radiation with human tissues and organs
- Medical applications of ionizing radiation
- Pre-clinical trials of radiopharmaceuticals

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
- Research and Production Association “Typhoon”
- Oncology clinics