



V International Conference
MODERN PROBLEMS OF GENETICS, RADIOBIOLOGY,
RADIOECOLOGY AND EVOLUTION (2021)
dedicated to N. W. Timofeeff-Ressovsky and his scientific school

Second Announcement

Dear colleagues,

The Conference will take place at the Nor Amberd International Conference Centre of the [A. Alikhanyan National Laboratory](#) from 5 to 9 October 2021. We welcome those who can come to Armenia and will organize scientific discussions and excursions for them. Those who cannot attend the conference will be able to present their reports online.

The organisers of the conference are:

A.I. Alikhanyan National Science Laboratory (YerPhI)
Biological Department of Russian Academy of Sciences
International Union of Radioecology
Joint Institute for Nuclear Research
Max Delbrück Center for Molecular Medicine
National Academy of Sciences of Belarus
National Academy of Sciences of Ukraine
The GSI Helmholtz Centre for Heavy Ion Research (Germany)
The N.I. Vavilov All-Russian Institute of Plant Genetic Resources
Russian Institute of Radiology and Agroecology
The N.I. Vavilov Society of Geneticists and Breeders (Russia)
The Urals Research Center for Radiation Medicine, FMBA of Russia
Institute of Plant and Animal Ecology , UD RAS, Yekaterinburg

The working language of the Conference will be English. The abstracts and selected presentations will be published. [Registration](#) is made on the [conference website](#) and [Abstract form](#) should be submitted by e-mail (mailto: korogod@jinr.ru). The application deadline is April 1, 2021.

Topics:

Genetics

- Genome universe
- Regulation of mutation rate
- Protein variability and its regulation
- Environmental impact on the Genome and Epigenetic Inheritance
- Cancer and neurodegenerative diseases
- Site-directed mutagenesis

Radiobiology

- Genetics and epigenetics of radiation-induced genome instability
- Non-targeted radiation effects
- Influence on proteomics mechanisms
- Space radiobiology
- Nuclear medicine

Radiation ecology

- Characteristics of natural and anthropogenic radiation
- Radiation effect on populations and ecosystems
- Degradation of species community and formation of species
- Influence of environment conditions on radiation effects
- Epidemiology of radiation

Evolution

- Self-organization and basic laws of evolution
- Origin of life
- Evolution of the genomic universe
- Evolution of ethological structure of populations
- Human evolution

You can see the [portal](#) of N.W. Timofeeff-Ressovsky and [archive](#) of the conferences.

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