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**v International Conference**  
**MODERN PROBLEMS OF GENETICS, RADIOBIOLOGY,**  
**RADIOECOLOGY AND EVOLUTION**  
**dedicated to N. W. Timofeeff-Ressovsky and his scientific school**

**First Announcement**

The 7<sup>th</sup> of September 2020 will be marked by the 120<sup>th</sup> anniversary of the birth of N.W. Timofeeff-Ressovsky, a distinguished Russian scientist, the founder of a number of scientific schools in the field of genetics, radiobiology, radioecology, evolution, and in the theory of biosphere. Scientists from different countries are going to organize the V International Conference “Modern problems of genetics, radiobiology, radioecology and evolution” dedicated to N.W. Timofeeff-Ressovsky and his scientific school. The Conference will be held at Ani Plaza Hotel in Yerevan May - 2021

**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](mailto:korogod@jinr.ru) ). The application deadline on 1 Jan 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.

**Contacts:**

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