

## THE RESULTS OF THE COMPETITION OF YOUNG SCIENTIST'S RESEARCH WORKS.

### I place

**Galia Kuralbayeva** (National University of Science and Technology "MISIS", Moscow, Russia)

**Title:** Halloysite nanotubes with immobilized gold nanoparticles as sensitizer for spatially and temporally localized photohyperthermia.

### II place

**Evelyn Granizo** (Escuela Superior Politécnica de Chimborazo, Riobamba, Ecuador, National Research Nuclear University "MEPhI", Moscow, Russia)

**Title:** Simulation by fem of the optoacoustic effect prior to treatment by photodynamic therapy for cancer patients

### III place

**Elizaveta Basko, Maria Klementeva** (National Research Nuclear University "MEPhI", Moscow, Russia)

**Title:** Effect of ethanol on the transport of methylene blue through the rat skin ex vivo

### Special award for translation of research into practice

**Alexander Bubnov** (National Research Nuclear University "MEPhI", Moscow, Russia)

**Title:** Prospects for the application of the values  $SUV_{MEAN}$ ,  $SUV_{PEAK}$ ,  $SUV_{MAX}$  in radionuclide therapy of differentiated thyroid cancer  $^{131}$ -iodine

### Special award for high scientific value

**Alexey Yaremenko** (Moscow Institute of Physics and Technology, Dolgoprudny, Russia)

**Title:** Analysis of nanoparticle uptake in liver by magnetic methods

### Incentive award

**Arseniy Akifiev, Galina Polina** (Sarov Physical and Technical Institute, National Research Nuclear University MEPhI, Sarov, Russia)

**Title:** Simulation of insulin-glucose concentration dynamics

**Prof. Dr. Andrei V. Kabashin**  
Scientific adviser PhysBio MEPhI

