Session Program

18–22 Oct 2026

30th International Scientific Conference of Young Scientists and Specialists (AYSS-2026)

Radiation Research in Life Science

Wednesday 21 October

11:15

Radiation Research in Life Science

Session | **Location:** Conference hall 3

11:15–11:30

Development of a Murine Model for Evaluating Dose-Dependent Radiobiological Effects of Local Proton-Induced Acute Skin Injury

Speaker
Victoriia Anikina

11:30–11:45

Study of Behavioral Reactions and Physiological Parameters of Rats Exposed to Accelerated Protons

Speaker
Sofya Sakharova

11:45–12:00

Investigation of the Effects of Xenon Ion Beam Irradiation on EMT6/P 3D Tumor Spheroids within the NICA Project at JINR

Speaker
Nikita Chukavin

12:00–12:15

The Effect of DNA Repair Inhibitors on the Formation of Double-Stranded DNA Breaks in B16 Melanoma Cells Under the Action of X-Rays

Speaker
Regina Kozhina

12:15–12:30

MRI-Contrast $Lu_{0.85}Gd_{0.15}F_3$ Nanoparticles as a Promising Radiosensitizer for Proton Therapy

Speaker
Daria Vinnik

12:30–12:45

Cerium Oxide Nanoparticles Modified with Pyrroloquinoline Quinone for Selective Redox Regulation Under X-Ray Irradiation

Speaker
Elizaveta Zamyatina

12:45–13:00

Comparative analysis of dose Distribution in IMRT, VMAT, and 3D-CRT Treatment Planning for Head and Neck Tumors

Speaker
Yerkezhan Azat

13:00

14:30

Radiation Research in Life Science

Session | **Location:** Conference hall 3

14:30–14:45 **Structural Organization and Stoichiometric Diversity of ATP Synthase c-rings**

14:45

Speaker
Stepan Osipov