

**Session Program**

**27–31 Oct 2025**

**29th International Scientific Conference of Young  
Scientists and Specialists (AYSS-2025)**

***Radiation research in Life Science***

# Friday 31 October

12:00

## Radiation research in Life Science

Session | Location: MLIT, 3d floor, 310

12:00–12:15

**Tumor regression conditions under radiotherapy in the mathematical model with immune response**

Speaker

Anna Batova

12:15–12:30

**Investigation of electrical activity of the brain and behavioral reactions of rats after local X-ray irradiation at the SARRP facility**

Speakers

Ms Inna Kolesnikova, Mr Vasily Volkov

12:30–12:45

**Study of behavioral reactions, morphological changes in the central nervous system and small intestine after irradiation with protons at a dose of 3 Gy.**

Speaker

Sofya Sakharova

13:00

14:00

## Radiation research in Life Science

Session | Location: MLIT, 3d floor, 310

14:00–14:20

**Comparison of models of neural stem cell heterogeneity for radiation research**

Speaker

Artem Glebov

14:20–14:40

**Theoretical modeling of two-dimensional molecular structure by laser diffraction of electrons from polyatomic molecules**

Speaker

Anastasia Kharlamova

14:40–15:00

**Reconstruction of karyotypes of normal and tumor human cell lines using Multicolor Fluorescence in situ Hybridization (mFISH) approach**

Speaker

Ms Зуен Фам

15:30