**PRELIMINARY PROGRAM**

**International Seminar**

**"Developments in Radiochemistry and Medical Isotope Production"**

**January 14, 2022.**

**Institute for Nuclear Research of Russian Academy of Sciences (INR RAS)**

**Moscow-Troitsk, building 101, conference room**

***The seminar will be held partially on-line***

**Chairman of the seminar: Corresponding Member of the RAS Leonid V. Kravchuk**

10-30

- **Opening address by Maxim V. Libanov, Director of INR RAS.**

**- Opening address by Academician of RAS Boris F. Myasoedov.**

10-50

1. Stepan N. Kalmykov (Lomonosov Moscow State University).

Development of radiochemistry in Russia. (20 min.) (in Russian).

11-15

2. Nikolay V. Aksenov (Joint Institute for Nuclear Research)

Chemistry of superheavy elements. (20 min.) (in Russian).

<https://www.inr.ru/rus/2022/aksenov.pdf>

11-40

3. Rostislav A. Kuznetsov (S.P. Kapitsa Research Institute of Technology, Ulyanovsk State University) (in Russian)

Production of Reactor Isotopes for Medicine. (20 min) (in Russian).

<https://www.inr.ru/rus/2022/khuznecov.pdf>

12-05

4. Boris L. Zhuikov (Institute for Nuclear Research of the Russian Academy of Sciences).

History and Prospects of the Radioisotope Complex at the INR RAS (20 min) (in Russian).

<https://www.inr.ru/rus/2022/jujkov.pdf>

12-30

5. Stanislav V. Ermolaev (Institute for Nuclear Research RAS).

Strontium-82, tin-117m and actinium-225 as promising isotopes for production on medium-energy proton accelerators (20 min.) (in Russian).

<https://www.inr.ru/rus/2022/ermolaev.pdf>

12-55

6. Alexander N. Vasiliev (Institute for Nuclear Research of RAS)

Radionuclide generators for medicine (20 min.) (in Russian).

<https://www.inr.ru/rus/2022/vasilev.pdf>

13-20

7. Dennis Phillips (Los Alamos National Laboratory, DOE, USA)

A providential partnership between INR and the DOE Isotope Program. (20 min) (in English).

13-45

8. Yves Thomas (ARRONAX GIP, France

A long and win-win collaboration between INR and Arronax. (20 min.) (in English).

14-10

9. Galina E. Kodina (A.I. Burnazyan State Medical Center) Development of radiopharmacy and requirements for medical isotopes. (20 min.) (in Russian).

<https://www.inr.ru/rus/2022/kodina.pdf>

14-35

10. Nikolay A. Kostenikov (A.M. Granov Russian Research Center of Radiology and Surgical Technologies, Ministry of Healthcare of the Russian Federation).

The 82Sr/82Rb generator and its application in medicine (20 min.) (in Russian).

<https://www.inr.ru/rus/2022/kostenikov.pdf>

15-00

11. Sergey V. Shatik (A.M. Granov Russian Research Center for Radiology and Surgical Technologies of the Ministry of Health of the Russian Federation).

Use of monoclonal antibodies and their fragments for development of radiopharmaceuticals for radionuclide diagnostics and therapy of common forms of malignant neoplasms (20 min.) (in Russian).

<https://www.inr.ru/rus/2022/shatik.pdf>

15-25

12. Alexander S. Sobolev (Lomonosov Moscow State University; Institute of Gene Biology RAS).

Targeted intracellular delivery of radionuclides, emitting particles with short range: achievements, problems, prospects (20 min) (in Russian).

<https://www.inr.ru/rus/2022/shatik.pdf>

15-50

Gala dinner

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