



PROGRAM

5th All-Russian School of Young Scientists on Boron Neutron Capture Therapy

November 13-14, 2023

Academpark, 11 Nikolaev str.
Novosibirsk, Russia



Russian
Science
Foundation



N* Novosibirsk
State
University
*THE REAL SCIENCE

November 13

- 10:00 Registration (main entrance to BINP, 11 Lavrentiev ave., Novosibirsk)
- 10:00 Tour on the BNCT facility in the Budker Institute of Nuclear Physics
- 13:00 Coffee break (Academpark, 11 Nikolaev str., Novosibirsk)
- 13:50 School opening
- 14:00 Lecture # 1. Prof. **Ignacio PORRAS** (President of the ISNCT, Granada University, Spain)
"Perspectives in BNCT and open research problems"
- 14:40 Lecture # 2. Prof. **Yuan-Hao LIU** (Neuboron Medical Group, Nanjing, P.R. China)
"Current Status of Xiamen Humanity Hospital BNCT Center"
- 15:20 Lecture # 3. Prof. **Bong-hwan HONG** (KIRAMS, Seoul, South Korea)
"The development progress of the high current tandem accelerator for BNCT in KIRAMS"
- 16:00 Lecture # 4. Prof. **Nataliya BGATOVA** (Research Institute of Clinical and Experimental Lymphology - Branch of IC&G, Novosibirsk, Russia)
"Lithium-Neutron Capture Therapy"
- 16:40 Coffee break
- 17:00 Lecture # 5. Dr. **Alexey LIPENGOLTS** (Blokhin Russian Cancer Research Centre, Moscow, Russia)
"BNCT implementation in an existing clinical facilities – preliminary experience of Blokhin National Medical Research Center of Oncology"
- 17:40 Lecture # 6. Dr. **Marina SARYCHEVA** (Oncology center, Chelyabinsk, Russia)
"The role of neutron therapy in the treatment of progressing primary cerebral anaplastic astrocytoma"
- 18:30 Welcome party (Greenhouse, banquet hall, 12/2 Nikolaev str., Novosibirsk)

November 14

- 11:00 Poster session (Academpark, 11 Nikolaev str., Novosibirsk)
- 13:00 Coffee break
- 14:00 Lecture # 7. Prof. **Irina ZAVESTOVSKAYA** (Lebedev Physical Institute, Moscow, Russia)
"BNCT with Laser-synthesized boron nanoparticles"
- 14:40 Lecture # 8. Dr. **Anna DRUZINA** (Nesmeyanov Institute of Organoelement Compounds, Moscow, Russia)
"New Approaches to the Synthesis of Boron-containing Biologically Active Compounds for Boron Neutron Capture Therapy"
- 15:20 Lecture # 9. Dr. **Maya DYMOVA** (Institute of Chemical Biology and Fundamental Medicine, Novosibirsk, Russia)
"Targeted agents based on aptamers for the delivery of the ¹⁰B isotope in BNCT"
- 16:00 Lecture # 10. Dr. **Aleksandr KICHIGIN** (Neuboron Therapy System Ltd., Xiamen, P. R. China)
"Experience of neutron capture therapy for malignant tumors of cats and dogs and prospects for the development of the method"
- 16:40 Coffee break
- 17:00 Oral session
- # 1 **Meiling Wang** (Novosibirsk State University, Russia) "Development of albumin-based theranostic conjugates for combining chemotherapy with boron-neutron capture therapy"
- # 2 **Aleksey Kostin** (Northern (Arctic) Federal University, Arkhangelsk, Russia) "Biomagnetic Sensing with Nitrogen-Vacancy Centers in Diamonds plates modified by proton beams"
- 17:40 Lecture # 11. Prof. **Sergey TASKAEV** (BINP, Novosibirsk, Russia)
"Prompt Gamma-ray Spectroscopy for Boron Dose Measurement"
- 18:30 Get Together (Greenhouse, banquet hall, Nikolaeva, 12/2, Novosibirsk)
- 20:30 School closing