

Module 3: Innovative technologies of nuclear medicine and radiotherapy

| | July 24, Tuesday, MEPHI, A-100 | July 25, Wednesday, MEPHI, A-100 | July 26, Thursday, MEPHI, A-100 | July 27, Friday |
|-------------|--|--|--|---|
| 09.00-10.00 | Registration | | | |
| 10.00-11.20 | Dmitriy Chuvilin (National Research Center «Kurchatov Institute») Radioisotopes in nuclear medicine | Vladimir Klimanov (MEPhI) Modern and promising methods and technologies of radiotherapy | Valeriy Krylov (A. Tsyb Medical Radiological Research Center) Radionuclide therapy. Modern opportunities and prospects | Excursions to the laboratories of MEPHI |
| 11.20-11.30 | Break | Break | Break | Departure of participants |
| 11.30-12.50 | Amelie Roue and Albertine Dubois CEA Saclay (France) CEA Saclay programme in medical physics field | Vladimir Klimanov (MEPhI) Physics and radiobiology of radiation therapy | Yuriy Anokhin (MEPhI) New types of remote therapy for cancer patients. Proton therapy, gamma-therapy, angiography | |
| 12.50-13.00 | Break | Break | Break | |
| 13.00-14.20 | Andrey Postnov (Burdenko Neurosurgery Institute, MEPHI) Basics of PET in clinical practice | Excursions to the laboratories of MEPHI | Yuriy Anokhin (MEPhI) Brachytherapy - stages of technology. Reproductive health in cancer patients | |
| 14.20-15.20 | Lunch | Lunch | Lunch | |
| 15.20-16.40 | Irina Zavestovskaya (MEPhI) Nuclear nanomedicine | | Olga Klement'eva (Burnasyan Federal Medical Biophysical Center) Introduction to preclinical studies of radiopharmaceuticals | |