

	Monday	Tuesday	Wednesday	Thursday	Friday	Sunday	Monday	Tuesday	Wednesday
	27 Nov	28 Nov	29 Nov	30 Nov	1 Dec	2,3 Dec	4 Dec	5 Dec	6 Dec
10.00 – 11.15	Opening of International Summer School on Radiochemistry Testing of the participants	A.V. Konoplev. "Nuclear disasters: radioactive contamination and its effects on humans and environment"	Practical task – Complex formation	A.A. Larenkov. Practical aspects of radiochemical purity determination in metal-based radiopharmaceuticals. Part 1	R.N. Krasikova. Synthesis methods for PET radiopharmaceuticals labelled with conventional cyclotron produced radionuclides (18F, 11C)	Free time	V.G. Petrov. Radiation safety	Technical visit to Karpov institute	M.R. Ramazanova. cGMP radiopharmaceuticals production organization
11.30 – 12.45	I.E. Svyato. Radiopharmaceuticals market review ОЧНО	P.I. Matveev. Separation of radionuclides from irradiated targets. Basics	B.L. Zhuikov. Production of radionuclides by charged particles.	A.A. Larenkov. Practical aspects of radiochemical purity determination in metal-based radiopharmaceuticals. Part 2	R.N. Krasikova. Synthesis methods for SPECT (99mTc) and PET (68Ga) radiopharmaceuticals labelled with generator produced radiometals		M.I. Ojovan Nuclear and Radiopharmaceutical Waste Management		Feedback discussion with participants, questionnaires Closure of the meeting, Concluding remarks
12.45 – 14.00	Lunch	Lunch	Lunch	Lunch	Lunch		Lunch		Lunch
14.00 – 15.15	V.G. Petrov. Basics of ionizing interaction with matter and its application in nuclear medicine	R.A. Aliev. Separation of radionuclides from irradiated targets. Practical aspects	B.L. Zhuikov. High-temperature methods for separation of radionuclides	I.A. Ushakov. Production of radionuclides in reactors	R.N. Krasikova. Synthesis modules and automation for PET radiopharmaceuticals		E.A. Menshikov. Intellectual properties		Feedback discussion with participants, questionnaires Closure of the meeting, Concluding remarks
15.30 – 16.45	R.A. Aliev. Nuclear reactions	Practical task – Thin layer chromatography		Practical task – Complex formation	Practical task – Complex formation		Evaluation of Practical exercises		
17.00 – 18.15	Short presentations (1-2 minutes) of each participant		Final testing of the participants						
	Ice-breaker (till 21:00)				School Dinner (till 22:00)				