



Dissemination of project results- Expert seminars

"Chemically driven transfections of eukaryotic cells in culture" Riga Stradins University, Riga, November 10, 2017

- ✓ **Dr Maksim Ionov (Lodz University, Lodz, Poland)** lectured in the design and applications of dendrimers for the delivery of nanomedicines.
- ✓ **Dr Volha Dzmitriuk (Institute of Biophysics and Cell Engineering NASB, Minsk, Belarus)** presented results of the training on delivery of DNA into cultured cells using dendrimers of III and IV generations.

"Present and future of genetic vaccines, can they cure cancer?" KIEPOR, Kyiv, Ukraine, March 29-30, 2018

Seminar addressed the principles of design and testing of novel tumor vaccines, and was attended by 27 participants.

- ✓ **Dr Sergey Belikov (the Wenner Gren Institute, Stockholm, Sweden)** presented the state of art on DNA research, including chromatin structure, regulation of transcription and molecular determinants of gene expression efficacy.
- ✓ **Dr Maria Issagouliantis (RSU, Riga, Latvia)** gave a lecture on the development of DNA vaccines. with examples of successful DNA vaccines in veterinarian applications.
- ✓ **Dr Maria Yurchenko (Norwegian University of Science and Technology, Trondheim, Norway)** told about her latest work on Toll-like receptors and macrophages, as the first innate round of body reaction to vaccination.



- ✓ **Dr Elena Kashuba (KIPEOR)** presented the latest data on the role of MRPS18-2 in immune response, showing, that overexpression of this protein makes such cells a better target for the immune system.
- ✓ **Dr Olga Karaman (KIPEOR)** lectured on the application of lectin from *B. subtilis* as for cancer vaccines adjuvant
- ✓ **Dr Nataliya Fedosova (KIPEOR)** described the immunological parameters that should be measured upon vaccination, to assess the usability of the particular cancer vaccine.
- ✓ **Dr Gennadiy Didenko (KIPEOR)** presented his latest data on development of xenogenic vaccine, with the use of embryonic chicken proteins on mice.

