

SCIENTIFIC PROGRAM
Meeting of scientific group within Megagrant
«Biohybrid technologies for modern medicine»
December 17-18, 2018

17.12.2018

10:00	Prof. Tatiana Tennikova	"Welcome. Biomedical Chemistry Laboratory."
10:15	Prof. Arto Urtti	"Ocular Drug Delivery and Mega Grant project"
10:45	Prof. Mikhail Krasavin	"Carbonic anhydrase inhibitors for ophthalmology applications"
11:05	Prof. Sergey Tunik	"Transition Metal Cluster Chemistry Group introduction"
11:20	Dr. Pavel Chelushkin	"Covalent Conjugates and Non-Covalent Adducts of Phosphors with Human Serum Albumin"
11:35	Dr. Ilia Kritchenkov	"Water soluble and conjugatable phosphorescent complexes - molecular probes for bioimaging applications"
11:50	Dr. Yulia Shakirova	"Nanoscale polymeric temperature sensors based on europium (III) complex"
12:05	M.S. Yulia Pilipenko	"Thermoresponsive PNIPAAm-grafted glycosaminoglycans as potential drug delivery systems for the treatment of ocular diseases"

12.45 – 13.45 *Lunch*

14:00	Dr. Marika Ruponen	"Nanomedicines in intracellular drug delivery"
14:20	Dr. Tatu Lajunen	"Light activated liposomes with hyaluronic acid coating"
14:40	Dr. Madhushree Bhattacharya	"Peptides and their conjugates for retinal drug delivery"
15:00	Dr. Ivan Guryanov	"Linkers and anti-VEGF peptides for biohybrid materials"
15:20	Dr. Vladimir Sharoyko	"Physico-chemical biology approaches to the study of biohybrids"
15:40	Dr. Viktor Korzhikov-Vlakh	"Polymer nanoparticles for controlled delivery and release"

16.00 – 16.30 *Coffee Break*

16:30	M.S. Olga Osipova	"Polypeptide nanoparticles as potential carriers for RNA delivery"
16:45	M.S. student Sergey Raik	"Chitosan based systems for transfection"

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10:00	Vijay Junnuthula	"Polymeric micelles and polymersomes for ocular drug delivery"
10:20	Pharm.D. Shirin Tavakoli	"Permeation of liposomes and nanoparticles in the posterior eye segment"
10:40	M.Pharm. Marko Lamminsalo	"Computational virtual eye"
11:00	M.Pharm. Jaakko Itkonen	"Protein therapeutics in posterior segment diseases of the eye"
11:20	Dr. Leena Kontturi	"Light activated liposomes for cellular oligonucleotide delivery"
11:40	M.Pharm. student Annika Valtari	"Carbonic anhydrase inhibitors"

12:00 -13:00

Discussions

12.45 – 13.45 Lunch

14:30-16:00

Excursion to the Institute of Chemistry

16.00 – 16.30 Coffee Break

16:30

Excursion to St. Petersburg

19:00

Dinner

(bus back to the hotel)