

„Molekulaarse Rakutehnoloogia Tippkeskus“
“Centre of Excellence in Molecular Cell Engineering”
Seminar 2014-2020.4.01.15-0013
23.-24.08.2022 Rakvere

23.08.2022 Tuesday

11.30 Eva Zusinaite, Short overview on SARS-CoV-2 research in the RNA virus group
12.10 Ervin Valk, A multisite phosphorylation system controlling the decision between cell differentiation and proliferation
12.50 Arvi Jõers, Taming the wt (*E. coli*)

14.40 Toomas Mets, Bacterial defense systems against phages
15.10 Marko Lõoke, Developing new polymerases
15.40 Tetiana Brodiazhenko, Iboxamycin – developing a new antibiotic

16.40 Kairi Lorenz, Developing new wound dressings
17.05 Riina Aav, Hybrid nano-ion – a hemicucurbit[8]uril inclusion complex stabilizes lipid-water emulsion and inhibits pancreatic lipase
17.35 Kaarel Erik Hunt, Human Milk Oligosaccharides & Their Chemical Synthesis
18.00 Kristiina Kaldas, Oil shale - raw material for the chemical industry

24.08.2022 Wednesday

9.30 Hannes Kollist, Kaspar Koolmeister, Guard cell CO₂ signaling for improving plant water use efficiency.
9.50 Dmitry Yarmolinsky, Ozone sensing by receptor proteins.
10.10 Ebe Merilo, Life without active dry air induced stomatal closure: a case of *Arabidopsis ost1-3* mutant
10.30 Ingmar Tulva: Signaling or development, what works best for improving plants.
10.50 Kaido Kurrikoff, Predicting transiently expressed protein yields: comparison of transfection methods in CHO and HEK293

11.50 Ly Porosk, Effect of transient transfection on mammalian cell viability, proliferation, and ER and Golgi function
12.20 Jekaterina Nebogatova, Use of intein-mediated bioconjugation in protein drug delivery system composition
12.50 Uko Maran, ToxCast™/Tox21 data for computational modelling of endocrine disrupting chemicals

13.05 Geven Piir, Binary and multi-class classification of androgen activity with Random Forest (RF) approach

13.20 Sulev Sild, Support Vector Machines (SVM) for predicting androgen receptor activity

13.35 Mare Oja, Aqueous solubility as a surprisingly complex property for drug substances

14.50 Alireza Fazeli, Extracellular vesicles, acting as media of intercellular communication between different individuals