



RĪGA STRADIŅŠ
UNIVERSITY

Workshop “IMMUNOTHERAPY OF CANCER”

in the frame of the project “New approach to active immunotherapy of Hepatitis C related cancer” LZP-2018/2-0308

Rīga Stradiņš university, Dzirciema street 16, Senate Hall

June 13, 2019

AGENDA

- 13.30 – 14.00 **Registration**
- 14.00 – 14.10 **Opening**
- 14.10 – 14.50 Invited lecture “**Therapeutic cancer vaccines made in plants**”
Ed Rybicki, Molecular & Cell Biology Department, University of Cape Town, South Africa
Effective therapeutic vaccines for human cancers would be a highly sought-after solution to often intractable disease problems. While there are presently a number of exciting possibilities in this regard - and specifically, the recent successes with monoclonal antibody therapies - the cost of production of complex biologics limits their application in especially developing countries, where much of the problem resides. The use of plants for the production of such biologics is becoming increasingly feasible and increasingly popular, and could revolutionise the provision of such medicines in the wider world. This presentation will cover plant production of cancer therapeutics in general, with a particular focus on human papillomavirus disease where some signal successes have been obtained.
- 14.50 – 15.20 “**Reprogramming of macrophages for immunotherapy of cancer**”
Anna Zajakina, Biomedical Research and Study Centre, Riga, Latvia
- 15.20 – 15.40 **Coffee break**
- 15.40 – 16.10 “**Optimization of DNA immunogens targeting nucleocapsid (core) protein of hepatitis C virus**”
Juris Jansons, Riga Stradiņš University, and Biomedical Research and Study Centre, Riga, Latvia
- 16.10 – 16.40 “**Direct carcinogenesis of HIV mediated through the induction of oxidative stress**”
Maria Isagulants, Riga Stradiņš University, Riga, Latvia, and Karolinska Institutet, Stockholm, Sweden
- 16.40 – 17.00 “**Multifunctional immune response against tumor associated antigen, telomerase reverse transcriptase (TERT) induced in mice electroporated with TERT DNA**”
Alisa Kurlanda, Riga Stradiņš University, Riga, Latvia

17.00 – 17.30 **“Nonhuman primate models for preclinical testing of cancer vaccines**
Ilya Gordeychuk, Chumakov Federal Scientific Center for Research and
Development of Immune-and-Biological Products of Russian Academy of
Sciences, Moscow, Russia