Global Virus Network conference of virologists for the Scandinavia-Baltic-Ukraine region

11th-13th of June, 2014
Laulasmaa Spa Hotel, Estonia

PROGRAM
**Wednesday, June 11th**

12.30 – 14.00  Check in, lunch  
Session 1  14.00-16.00  
14.00 – 14.10  Welcome words. **Andres Merits** (Estonia), **Anders Vahlne** (Sweden)  
14.10 – 14.30  Welcome words. **Robert Gallo** (USA, video)  
14.30 – 15.15  *Gut-nerve cross-talk in rotavirus infection and inflammation.* **Lennart Svensson** (Sweden)  
15.15 – 15.45  *HIV and blood transmissible viruses in Estonia.* **Irja Lutsar** (Estonia)  
15.45 – 16.15  Coffee brake  
Session 2  16.15 – 18.00  
16.15 – 17.00  *Human Papillomavirus (HPV) genotyping in cervical screening and follow-up of HPV vaccination.* **Joakim Dillner** (Sweden)  
17.00 – 17.30  *HPV DNA and mRNA expression in cervical dysplasia and cancer in a small Swedish cohort.* **Peter Horal** (Sweden)  
17.30 – 18.00  *New insights to papillomavirus replication.* **Mart Ustav** (Estonia)  
18.00 – 19.30  Networking  
19.30 – 21.00  Conference dinner
Thursday, June 12th

Session 3 10.00 – 12.30

10.00 – 10.30  *Global Virus Network: Priorities and Progress.* Sharon H. Hrynkow, president of GVN

10.30 – 10.40  **Anders Vahne**, Scandinavia-Baltic Centre of GVN

10.40 – 10.50  **Andres Merits**, GVN in Estonia

10.50 – 12.30  **Short talk session I**

1. **Kirsi Hellström** (Finland): Assembly of alphavirus replication complexes via trans-replication system
2. **Sirle Saul** (Estonia): NsP3 as well as nonstructural polyprotein processing contribute to the different neurovirulence of SFV strains
3. **Aleksejs Fjodorovs** (Latvia): Expression of human nucleoporin 153 protein by Semliki Forest virus
4. **Alma Eihentale** (Latvia): Study of functional structure of hepatitis B core particles: stable expression in mammalian cell lines, purification and structural peculiarities
5. **Motieis Melnych** (Lithuania): Saccharomyces cerevisiae Ssa subfamily chaperones’ effect on recombinant viral protein expression
6. **Indre Kucinskaite-Kodze** (Lithuania): Antigenic characterization of recombinant virus-like particles of polyomavirus VP1 protein
7. **Justas Lazutka** (Lithuania): Generation of recombinant Schmallenberg virus nucleocapsid protein in yeast
8. **Alma Gedvilaite** (Lithuania): Applications of yeast-expressed virus-like particles derived from hamster polyomavirus
9. **Birgit Viira** (Estonia): Structural patterns in publicly available HIV1 RT ligand data
10. **Simin Zhang** (Sweden): Application of membrane-proximal external region of human immunodeficiency virus type-1 (HIV-1) gp41 in the design of short peptidyl fusion inhibitors
11. **Radko Avi** (Estonia): Drug resistance mutations in HIV-1 CRF06_cpx viruses from antiretroviral (ARV) treatment experienced patients in Estonia
12. **Svetlana Zagorodnya** (Ukraine): The search for new compounds with antitherpetic activity
13. **Margit Mutso** (Estonia): Application of RNAi gene silencing platform for the development of novel antiviral compounds targeting hepatitis C virus
14. **Natalia Babii** (Ukraine): Progress in reducing infant HIV-infection rates among HIV-exposed infants in Ukraine
15. **Natalia Potokiy** (Ukraine): The evaluation of efficiency of sperm wash protocols for clearing HIV-positive men sperm from infectious agents
16. **Artem Symchuk** (Ukraine): Laboratory- and population-based studies of synergy between influenza and community-acquired pneumonia in Ukraine
17. **Eveli Kallas** (Estonia): The immunological profile of HIV+ caucasian intravenous drug users
18. **Ranno Rätsep** (Estonia): Screening for Aleutian mink disease virus in European minks at Tallinn Zoo
19. **Anna Ivanova** (Estonia): Hepatitis E virus in Estonian domestic pigs
20. **Oksana Yurchenko** (Ukraine): Viral transmissible infections in South of Ukraine
12.30 – 13.30 Lunch

Session 4 13.30 – 16.40

13.30 – 14.15 How yeast could be used as a genetic platform to explore virus-host interactions: from “omics” to functional studies. Peter D. Nagy (USA)

14.15 – 14.45 Sobemovirus research at Tallinn University of Technology. Erkki Truve (Estonia)

14.45 – 15.15 Research of RNA plant viruses in different ecological conditions. Valery Polischuk (Ukraine)

15.15 – 16.40 Short talk session II

1. Olia Ivashchenko (Ukraine): Molecular and biological characteristics of porcine respiratory and reproductive syndrome virus (PRRSV)

2. Julia Geller (Estonia): Detection and characterization of tick-borne encephalitis virus in Baltic countries and Eastern Poland

3. Svitlana Babii (Ukraine): Genetic basis of resistance to the neuraminidase inhibitors among the influenza isolates in Ukraine

4. Anna Shcheltyyna (Ukraine): Detection of Hosta virus X in Ukraine

5. Merike Sõmera (Estonia): The next-generation sequencing in plant virus identification studies at Tallinn University of Technology

6. Kristjan Kamsol (Estonia): Phosphorylation of Cocksfoot mottle virus VPg for the establishment of viral infection is host-dependent.

7. Gabriela Uffert (Estonia): The infection route of Cocksfoot mottle sobemovirus in oat plants

8. Andres Lõhmus (Finland): Potyvirus-induced RNA granules at a point of convergence between viral replication and translation

9. Vaida Simanaviciene (Lithuania): Studies on the prevalence of oncogenic HPV types among Lithuanian women with cervical pathology

10. Tormi Reinson (Estonia): Timing of human papillomavirus DNA replication in the cell cycle

11. Mart Ustav Jr (Estonia): Description of a critical region for efficient HPV-18 genome segregation, transcription and replication

12. Stumbryte Ausra (Lithuania): Association of HPV frequencies and genes polymorphisms in various cancers

13. Liubov Biliavska (Ukraine): Peculiarities of viral infection in co-infected cells

14. Mikk Puustusmaa (Estonia): Predicting short double coding regions in viruses – E8 protein of Papillomaviruses as an example

15. Heleri Kirsip (Estonia): Could plant viruses be a new source of protein domains for multicellular animals?

16. Alar Aab (Estonia): Lymphocyte responses to human rhinoviruses

17. Toomas Neuman (Estonia): Effects of viral infections on human B cell antibody repertoires: links to chronic diseases
16.40 – 17.00 Coffee brake

Session 5 17.00 – 18.45
17.00 – 17.45 The vaccinia Virus MVA: an old vaccine virus with a promising future. Volker Erfle (Germany)
17.45 – 18.15 Alphaviruses: from replication to antiviral immunity. Andres Merits (Estonia)
18.15 – 18.45 Zoonotic pathogens circulating in Estonia. Irina Golovljova (Estonia)

18.45 – 19.30 Networking

19.30 – 21.00 Conference dinner
### Friday, June 13th

#### Session 6 9.45 – 12.30

- **9.45 – 10.30**  
  *Travelling through the cell with HBV.*  
  **Michael Kann** (France)

- **10.30 – 11.00**  
  *Towards antivirals affecting Chikungunya virus replication.*  
  **Tero Ahola** (Finland)

- **11.00 – 11.30**  
  *Alphavirus driven expression of HBV genes/genome.*  
  **Karina Spunde** (Latvia)

- **11.30 – 12.00**  
  *Genetic analysis of HBV and HCV viruses circulating among Latvian patients.*  
  **Juris Jansons**. (Latvia)

- **12.00 – 12.30**  
  *HBV core-antigen based VLP technology.*  
  **Andris Dishlers** (Latvia)

- **12.30 – 13.30**  
  Lunch

#### Session 7 13.30 – 15.30

- **13.30 – 14.15**  
  *Molecular epidemiology of viral hepatitis.*  
  **Sumathi Ramachandran** (USA)

- **14.15 – 14.45**  
  *Generation in yeast of recombinant virus-like particles and their diagnostic application.*  
  **Aurelija Zvirbliene** (Lithuania)

- **14.45 – 15.15**  
  (Preliminary title)  
  *Epidemiology of virus infections in Lithuania.*  
  **Saulius Caplinskas** (Lithuania)

- **15.15 – 15.30**  
  Concluding remarks

- **15.30**  
  Coffee

- **16.00**  
  Departure (busses organized to Tallinn and Tartu)