General information
The 13th Seili Virus-Cell Interactions Symposium (generally known as “Seili meeting”) is dedicated to focus on the current and future trends in virus research including structural, biochemical, cellular and systems biological approaches, and applications in diagnostics and biomedicine.

Meeting Venue

Organizers
Dr. Giuseppe Balistreri
Dr. Varpu Marjomäki
Dr. Moona Huttunen
Dr. Kalle Saksela
Dr. Maija Vihinen-Ranta

Meeting contact
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Laura Kakkola, email: laura.kakkola@utu.fi, phone +358505747101

Participants
Seili Archipelago Research Institute is capable of accommodating up to 75 participants in its premises. Traditionally, the participants are the key characters in Finnish molecular and clinical virology, supported by invited national and international speakers. Talks will be 15 and 30 minutes. There will be no poster session.

Credits
Abstracts and oral talks accepted. 1.5 ECTS for graduate students who participate actively (Faculty of Medicine, University of Turku; Faculty of Biological and Environmental Sciences, University of Helsinki).
SCIENTIFIC PROGRAM

Monday (27th Aug 2017)

• The Bus leaves from Helsinki Biocenter 1 (Viikinkaari 9, 00790, Helsinki) at 8:00 sharp, so be there not later than 7:45
• The bus will arrive in Turku Kiinamyllynkatu 10, in front of Medisiina C-D approx. at 9:45, and leave to Nauvo at 10:00 sharp, so please be at the Turku meeting point not later than 9:44.
• Boat m/s Östern from Nauvo harbor to Seili leaves exactly at 12.10
• Boat m/s Östern arrives to Seili at 12.40
   (luggage is transported from the Seili harbor to accommodation facilities)
• Arrival – 13:30 Lunch buffet at the Main house

SESSION 1
Chair: Giuseppe Balistreri

• 13:30 - 13:35 Giuseppe Balistreri: Opening words and practical information
• 13:35 - 14:05 Keynote Speaker 1, Susanna Fagerholm (Univ. of Helsinki): The secrets of immune cells integrin regulation in health and disease (30’+ 5’ discussion)
• 14:10 - 14:30 Varpu Marjomäki (Univ. of Jyväskylä): Enteroviruses - fundamental studies and applications (20’+5’)
• 14:35 - 14:55 Mira Laajala (Univ. of Jyväskylä): The role of cellular calpains in early replication/translation of enteroviruses (20’ + 5’ discussion)
• 15:00 - 15:20 Dhanik Reshamwala (Univ. of Jyväskylä): Novel antivirals against enteroviruses (20’ + 5’ discussion)
• 15:25 - 15:45 Silke Krol (IRCCS Istituto Tumori "G.P.II", Bari): Development of broad spectrum antiviral Gold Nanoparticles (20’ + 5’ discussion)

16:00 - 16:45 Dinner (and keys to the rooms)
16:45 - 20:00: Outdoor activities
20:00 - 24:00 SAUNA and snacks
Tuesday (28th Aug 2017)
7:30 - 9:30 Breakfast

SESSION 2
Chair: Varpu Marjomäki

- 9:00 - 9:30 Keynote Speaker 2, Florian I. Schmidt (Univ. of Bonn): The power of Nanobodies to study Virus-Cell interactions and Inflammation (30’ + 5 min discussion)
- 9:35 - 9:55 Maria Hønholt Christensen (Univ. of Bonn): Investigation of virus-induced inflammasomes by a novel virus-encoded fluorescent caspase-1 reporter (20’ + 5’ discussion)
- 10:00 - 10:20 Erkko Ylösmäki (University of Helsinki): Development of novel viral platforms for cancer immunotherapy (20’ + 5’ discussion)
- 10:25 - 10:45 Stephan Ludwig (Institute of Virology, WWU Muenster, Germany): Immuno-modulatory functions of oncolytic influenza virus on lung tumor-associated alveolar macrophages (20’ + 5’ discussion)

11:00 - 11:45 Lunch

SESSION 3
Chair: Moona Huttunen

- 12:00 - 12:20 Ilkka Julkunen (Univ. of Turku): Highly Pathogenic H5N1 Influenza A Virus Spreads Efficiently in Human Primary Monocyte-Derived Macrophages and Dendritic Cells. (20’ + 5’ discussion)
- 12:25 - 12:45 Kalle Saksela and Hasan Ugurlu (Univ. of Helsinki): HTLV-1 Gag binds to cellular SH3 proteins to optimize virion production (20’ + 5’ discussion)
- 12:50 - 13:10 Veijo Hukkanen (Univ. of Turku): HSV-1 strains circulating in Finland demonstrate uncoupling of geographic and phenotypic variation (20’ + 5’ discussion)
- 13:15 - 13:30 Giuseppe Balistreri (Univ. of Helsinki): A new perspective on virus-cell interactions: using viral genomes to identify cancer driver mutations (15’ + 5’ discussion)
- 13:35 - 13:55 Laura Kakkola and Sari Maljanen (Univ. of Turku): Biosafety: training for safe behavior 20’ + 5’ discussion

13.55 - 14:15 Tea & Coffee
SESSION 4
Chair: Giuseppe Balistreri

- 14:15 - 14:35 Ausra Domanska (Univ. of Helsinki): 2.8 Å resolution cryo-EM structure of human parechovirus 3 in complex with Fab from a neutralizing antibody (20’ + 5’ discussion)
- 14:40 - 15:00 Ravi Ojha (Univ. of Helsinki): Potassium ions differentially regulate cellular and viral translation (20’ + 5’ discussion)
- 15:05 - 15:25 Sari Mattila (Univ. of Helsinki): Purification of highly active alphavirus replication complexes: tracing structure and function (20’ + 5’ discussion)
- 15:30 - 15:50 Moona Huttunen (University College London): ESCRT machinery in Poxvirus wrapping and egress (20’ + 5’ discussion)
- 15:55 - 16:15 Endrit Elbasani (Univ. of Helsinki): Unscheduled activation of the anaphase promoting complex impairs Kaposi’s sarcoma herpesvirus lytic replication (20’ + 5’ discussion) (20’ + 5’ discussion)
- 16:20 - 16:40 Silvia Gramolelli (Univ. of Helsinki): The lymphatic specific transcription factor Prox1 enhances Kaposi’s sarcoma herpesvirus productive lytic reactivation (20’ + 5’ discussion)

17:00 - 19:00 Seili Dinner
20:00 - 24:00 SAUNA and snacks followed by Lepra Disco

Wednesday (29th Aug 2017)

7:30 - 9:30 BREAKFAST

SESSION 5
Chair: Kalle Saksela

- 9:00 - 9:20 Tomas Strandin (Univ. of Helsinki): Neutrophil activation by Puumala hantavirus (20’ + 5’ discussion)
• 9:25 - 9:45 Jussi Hepojoki (Univ. of Helsinki): Characterization of Haartman Institute Snake Virus-1 (HISV-1) and HISV-like Viruses – The Representatives of Genus Hartmanivirus, Family Arenaviridae (20’ + 5’ discussion)

• 9:50- 9:55 Giuseppe Balistreri: Closing words

10:50 - 11:20 Boat m/s Östern from Seili to Nauvo harbor

Bus from Nauvo harbor to first Turku (bus arrives to Turku Medisiina C-D building approximately at 13:45) and then Helsinki (approximately at 16:30)