



12th Smögen Summer Symposium on Virology

August 25-27, 2016

Venue: Smögens Havsbad

Arranged by Swedish Society for Virology

<http://www.swedishvirology.se>

Welcome to the 12th Smögen Symposium on Virology!

It is a pleasure for the Organizing Committee to announce that the 12th symposium will be held at Smögens Havsbad, Smögen, Thursday August 25 to Saturday August 27, 2016.

The scientific as well as the social agenda will be very much alike previous Smögen meetings. One aim is to bring together Scandinavian virologists, representing both clinical and preclinical (or Natural Science) Virology. Smögens Havsbad or “Havsbadet” is a famous spa establishment with traditions from 1903, and with a splendid view of the beautiful archipelago north-west of Smögen. Havsbadet is a fully modern hotel with a high-class cuisine, and an excellent conference facility, including an indoor swimming pool. As the number of expected delegates exceeds the number of beds at Havsbadet we have reserved one excellent alternative: “Makrillviken”, a high standard youth hostel, situated less than 200 m from Havsbadet. As an extra fallback we have reserved rooms at “Pensionat Bryggan”, situated in the heart of the Smögen Sailing Harbour, should Makrillviken be filled.

We wish you all very welcome to Smögen!

Sigvard Olofsson, Tomas Bergström, Magnus Lindh, Kristina Eriksson, Lennart Svensson, Kristina Nyström



Thursday, August 25

All events are at Smögens Havsbad unless otherwise stated.

Please note that all information provided during the sessions is considered as privileged. You are therefore not allowed to take any photographs of the slides.

12.00 Lunch + Registration (collect information and nametag outside conference hall)

13.30 Introduction

13.45-14.20 **Keynote 1**
Introduction: Kristina Eriksson

Dr. Trine Mogensen	Århus, Denmark	Rare genetic defects in the innate immune system predisposing for herpesvirus encephalitis
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14.25-15.25 **Session 1: Virus-Cell Interactions**
Chair: Marianne Jansson

Anna Överby Wernstedt	Umeå	The type 1 interferon response protects astrocytes from tick-borne encephalitis virus infection.
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Ali Mirazimi	Stockholm	Using Haploid stem cell screening for investigation of virus-host cell interaction
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Paulo Eduardo Brandão	São Paulo, Brazil	The coronaviruses-hosts relationship from the codon usage point of view
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Rickard Nordén	Gothenburg	Global glycoproteomic analysis of O-glycosylation in human herpesviruses
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Ebba Samuelsson	Gothenburg	Expression of human fucosyltransferase genes during herpes simplex infection is regulated by NFκB
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Wu Chengjun	Lund	hnRNP L binds HPV16 mRNAs and regulate splicing and polyadenylation in an Akt-kinase-dependent manner
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15.30 Coffee Break

15.55-16.55 Session 2: Pathogenesis

Chair: Simon Larsson

Clas Ahlm	Umeå	Endothelial damages in a Swedish hemorrhagic fever.
Maria Baudin	Umeå	Rift Valley fever virus associated with miscarriage in Sudanese women
Anders Bergqvist	Uppsala	Characterization of human adenovirus and Epstein-Barr virus infections in tonsillar lymphocytes.
Gabriella Edfeldt	Stockholm	Tissue based digital image analysis - a tool to study immune responses in situ
Marie Hagbom	Linköping	Ondansetron treatment reduces rotavirus symptoms, a randomized double-blinded placebo-controlled trial
Julie Lajoie	Winnipeg, Manitoba Canada	The effect of depot medroxyprogesterone acetate (DMPA) on the mucosal immune system in the female genital tract: implications for HIV risk

16.55-17.45 Session 3: Epidemiology & Evolution

Chair: Mikael Berg

Peter Norberg	Gothenburg	Genomic Signatures in Viruses
Maja Malmberg	Uppsala	Genetic characterization of canine respiratory coronavirus in Swedish dogs diagnosed with canine infectious respiratory disease
Marie Karlsson	Gothenburg	Hepatitis E virus strains infecting Swedish domestic pigs are unique for each farm
Cristina Galli	Gothenburg	Hepatitis E virus isolated from serological negative Swedish plasma donors belong to different genotype 3 subtypes
Urban Kumlin	Umeå	Influenza virus in my mind

18.30 Welcome reception, *Smögen Fishing Harbour***20.00** Dinner

Friday, August 26

07.30 Breakfast

09.00-09.35 **Keynote 2**
Introduction: Michael Lindberg

Dr. Philippe Lemey	Leuven, Belgium	An evolutionary perspective on viral emergence and spread
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09.40-10.10 **Session 4: Antivirals & Chemotherapy**
Chair: Britta Wahren

Marianna Tampere	Stockholm	Elimination of ZIKV infection by a novel small-molecule inhibitor
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Johan Lennerstrand	Uppsala	Study of resistance in Hepatitis C virus prior to treatment with new directly acting antivirals. A Nordic multicenter study.
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Marjo Puumalainen	Stockholm	Targeting cellular oxidative DNA damage response to battle against highly pathogenic hemorrhagic RNA viruses
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10.10 **Poster Session** including Coffee (the floor below the main venue)

11.10-12.10 **Session 5: Clinical Virology & Diagnostics**
Chair: Maria Rotzén Östlund

Maria Andersson	Gothenburg	Comparison of rotavirus frequency and genotype distribution in Rwanda before and after vaccine introduction
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Jonas Wensman	Uppsala	Etiological causes of canine respiratory infectious disease in Swedish dogs
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Simon Larsson	Gothenburg	Smaller reduction of hepatitis B virus DNA in liver tissue than in serum in patients losing HBeAg – an indirect support for widespread integration?
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Christian Risinger	Copenhagen	Epitope mapping of Ebola virus-specific mAbs and pAbs by peptide antigen microarrays for the development of novel diagnostic tools and vaccine antigens
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Linn Persson	Gothenburg	Detection of EBV IgG antibodies using EBV gp350 – application in monitoring the treatment of multiple sclerosis
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Ola Forslund	Lund	Prevalence of HPV types, viral load and physical status of HPV16 in head and neck squamous cell carcinoma.
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12.10 Lunch & Free Activities

15.00-15.35 Keynote 3

Introduction: Kristina Broliden

Dr. Gunilla Karlsson Hedestam	Stockholm	Role of altered NFkB signalling in B cells: implications for CVID and anti-viral defense
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15.40-16.30 Session 6: Emerging Viruses

Chair: Ali Mirazimi

Göran Bucht	Umeå	Detection of mosquito-borne viruses in genetically typed mosquito larvae sampled in Northern Sweden
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Harindranath Cholleti	Uppsala	Discovery of novel vector-borne viruses in the Zambezi valley of Mozambique
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Olivia Lwande	Umeå	Isolation and characterization of the mosquito-borne Inkoo virus in Sweden
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Magnus Evander	Umeå	MOBOZO - Surveillance of mosquito-borne viruses in Sweden
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Jonas Blomberg	Uppsala	Serosurveillance of emerging, reemerging and newly discovered virus infections using antigen arrays which include long synthetic peptides
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16.30 Coffee Break

17.00-17.20 Special Subject Address

Introduction: Magnus Lindh

Michael Kann	Bordeaux	Local destruction of the nuclear envelope is required for parvovirus infection
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18.45 Archipelago Cruise & Seafood buffet (see page 4)

Saturday, August 27

07.30 Breakfast

09.00-09.35 **Keynote 4**
Introduction: Tomas Bergström

Dr. Olli Vapalahti Helsinki Zika virus infection with prolonged maternal viremia and fetal brain abnormalities (preliminary title)

09.40-10.10 **Session 7: Molecular and Structural Biology**
Chair: Peter Norberg

Helena Vandesande Kalmar Enterovirus D68: a reverse genetic approach to study virus viability

Robert Daniels Stockholm Cooperative evolution of the influenza NA transmembrane and head domain

Ya-Fang Mei Umeå Complete replication-competent adenovirus 11p vectors with E1 or E3 insertions show improved heat stability

10.10 Coffee Break

10.30-11.30 **Session 8: Vaccines and Viral Immunology**
Chair: Anna Överby Wernstedt

Liza Lind Gothenburg CXCL11 production in cerebrospinal fluid distinguishes herpes simplex meningitis from herpes simplex encephalitis

Lydia Scharf Stockholm HIV-induced modifications of TIGIT expression impair CD8 T cell polyfunctionality

Keith Fowke Winnipeg, Manitoba Canada Inducing immune quiescence with hydroxychloroquine as a new method to prevent HIV infection

Marianne Jansson Lund Lymphocyte activation and exhaustion distinguish immunodeficiency during aviremic HIV-2 infection

Britta Wahren Stockholm Potent elimination of HIV from infected cells by IgG-conjugated enfuvirtide

Gustaf Rydell	Gothenburg	Hepatitis B surface antigen present on subviral particles reduces the neutralising effect of anti-HBs antibodies on the infectivity of viral particles in vitro
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11.30 Annual Meeting Swedish Society for Virology

12.00 Lunch

13.00 Bus 1 leaves for Gothenburg

13.30 Bus 2 leaves for Gothenburg

The Venue: Smögens Havsbad

A fully modern hotel with a capacity of more than 100 guests in comfortable single and double rooms. Indoor swimming-pool and exclusive spa services available. The conference facilities include a fully equipped lecture hall taking 100-200 people, and a lot of smaller meeting rooms. The cuisine is excellent, the



Foto: SYEN LINDWALL

same overwhelming view of the Skagerrak archipelago as experienced by the first summer guests of Smögens Havsbad in 1903 is still available from the dining room and the western terrace. The hotel is situated close to the heart of Smögen offering excellent sea baths and easy access to the classical wooden quay of the Smögen Sailing Harbour.

Additional lodgings: Makrillviken

Ideal accommodation for the young virologists accepting shared rooms, all of which from 2015 with private shower and toilet. Modern standard. Full board, incl. bed cloths and bathroom towels also for the delegates staying at Makrillviken. All meals and service will be at Havsbadet. Delegates registering for "Bed in shared" will be checked in at Makrillviken in the first place.



Useful information:

Accommodation

Registration includes Full Board and all conference activities listed in the program. You **do not** need to bring any bedclothes etc, but please bring your own towel for outdoor swimming activities.

Bus Transfer Göteborg-Smögen

Buses will leave from Downtown Göteborg (outside Clarion Post Hotel, Drottningtorget) at about 10.30 on August 25 and from Smögen after lunch on August 27. All transfer is complimentary. The bus ride takes 1 hour 50 minutes. For questions contact bus captain Maria Johansson (maria.johansson@microbio.gu.se, 0736-841807).

Usually the Swedish West Coast climate is dry and sunny in late August (19-22°C daytime and the sea temperature about 20°C) but the temperate climate zone means a slight but definite risk for occasional low pressure weather with wind and showers. Please bring a sweater, rain jacket, and an umbrella just to be sure. The sea is excellent for swimming and diving, flippers and snorkel recommended.

Scientific presentations

There will be a number of sessions, each addressing a specific topic. Most of them will be opened by a short introduction lecture. One of the intentions is to give a background for the “preclinical” audience for more “clinically” oriented sessions and vice versa. In addition, participants are offered to submit an oral presentation (no longer than 7 minutes + time for a few questions) that will be scheduled to appear in a suitable session. There will be a maximal number (7) of slides.

Registration Fee includes everything!

As soon as you embark the complimentary bus shuttle to Smögen, the Registration fee will cover everything: Admittance to all sessions, full board, all social activities, bus shuttle from Gothenburg (Round trip), and a three (3) year membership in Swedish Society for Virology.

Conference dinner on Friday:

Seafood Buffet on board of M/S “Byfjorden” during an evening cruise in the Smögen Archipelago



Welcome onboard the “Byfjorden” to a traditional Smögen Seafood Buffet including, shrimps, crayfish and a lot of other sea food specialities.

“Byfjorden” was built in 1968 at Skaalurens Skibsbyggeri, Rosendal, Norway. The ship was lengthened in 1989

by 5 meters and she is now 31 m long with a cruising speed of 11 knots. She recently became thoroughly restored and modernized and takes up to 120 dining guests. Her large upper deck offers great possibilities for wonderful views of the scenery.

Alternative Friday Night Activity: Gourmet Three Course Dinner

The Gourmet Dinner will take place at Smögens Havsbad as an alternative for delegates not interested in Archipelago Cruises and Seafood mainly based on shellfish.

Map of important places



The positions of the two hotels are indicated. Läsidan is a room annex for Havsbadet

A: Where boarding for the Seafood Cruise on Friday takes place.

B: Place for Welcome Reception Thursday