



# 11<sup>th</sup> Smögen Summer Symposium on Virology

**August 20-22, 2015**

Celebrating 10 years of Virology in Smögen  
(2005-2015)

**Venue: Smögens Havsbad**

**Arranged by Swedish Society for Virology**

<http://www.swedishvirology.se>

# Welcome to the 11<sup>th</sup> Smögen Symposium on Virology!

It is a pleasure for the Organizing Committee to announce that the 11th symposium will be held at Smögens Havsbad, Smögen, Thursday August 20 to Saturday August 22, 2015.

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 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, Magnus Lindh, Kristina Eriksson, Lennart Svensson*



# Program

Thursday, August 20

All events at Smögens Havsbad unless otherwise stated.

*Please note that all information provided during the sessions is considered privileged.*

*You are therefore not allowed to take any photographs of the slides.*

**12.00** Lunch + Registration (information and name tags outside the conference hall)

**13.30** Introduction

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**13.45-14.30** **Keynote 1**

**Sarah Butcher** Helsinki Structures in Virology

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**14.45-15.25** **Emerging Viruses**  
**Chair: Anna Överby**

**Björn Olsen** Uppsala Why do we need a Zoonosis Science  
**Åke Lundqvist** Center?

**Magnus** Umeå Puumala hantavirus infection in bank voles  
**Evander** - dependence on density, landscape,  
climate and predation.

**Olivia Lwande** Umeå Tickborne viruses in northern Kenya

**15.25-15.50** Coffee Break

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**15.50-16.40** **Virus Cell Interactions**  
**Chair: Niklas Arnberg**

**Carin Årdahl** Umeå Enteric adenovirus infections enhanced by  
enteric bacterial components

**Jonas** Stockholm Hantaviruses, their targets, and their  
**Klingström** targets' targets

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|-----------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Carles Sola Riera</b>    | Stockholm | Anti-apoptotic capacity of hantaviruses                                                                                 |
| <b>Shawon Gupta</b>         | Stockholm | The Role of Natural Killer cells in Hantavirus-Infection                                                                |
| <b>Étori Aguiar Moreira</b> | Freiburg  | Bat influenza virus nucleoprotein uncovers unpredicted determinants for genome packaging of classical influenza A virus |

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**16.40-17.10**      **Tumor Viruses**  
**Chair: Jonas Klingström**

|                          |           |                                                                                                                                  |
|--------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Tina Dalianis</b>     | Stockholm | A model for predicting clinical outcome in patients with human papillomavirus (HPV) positive tonsillar and base of tongue cancer |
| <b>Torbjörn Ramqvist</b> | Stockholm | MicroRNA expression in tonsillar and base of tongue cancer in relation to HPV and clinical outcome                               |
| <b>Naoko Kajitani</b>    | Lund      | HnRNP L interacts with several sites on HPV16 mRNAs and control viral RNA processing.                                            |

**18.30**                      Welcome Reception, *Smögen Fishing Harbour*

**20.00**                      Dinner

## Friday, August 21

07.30

Breakfast

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09.00-09.45

**Keynote 2**

**Ken Cadwell**

New York

Expanding the Role of the Virome:  
Commensalism in the Gut

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10.00-10.40

**Epidemiology & Evolution**

**Chair: Gerald McInerney**

**Björn  
Andersson**

Stockholm

Viral microbiomes in health and disease

**Patrik Ellström**

Uppsala

Virus histochemistry as a tool to monitor  
Influenza A virus binding to target organs of  
humans and animals.

**Tanja Strand**

Uppsala

Are West Nile Virus affecting fitness in the  
migrating collared flycatcher breeding in  
Sweden?

**Joakim  
Esbjörnsson**

Stockholm

HIV-1 transmission in the Nordic countries  
2000-2012

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10.40-11.20

Coffee Break

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11.20-12.30

**Glycoviropology**

**Chair: Susann Teneberg**

**Hakon Leffler**

Lund

Galectins and virus -- multiple points of  
interaction

**Enas Sheik-  
Khalil**

Lund

Interaction of HIV Env with galectin-8

**Rickard Nordén**

Göteborg

O-linked glycosylation of the mucin domain  
of the HSV-1 specific glycoprotein gC-1

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|-----------------------|------------|---------------------------------------------------------------------------------------------------|
| <b>Marta Bally</b>    | Paris      | Surface immobilized glycosaminoglycans to study the binding and release of herpes simplex viruses |
| <b>Johan Nordgren</b> | Linköping  | Human histo blood group antigens affect rotavirus vaccine take in Nicaraguan children             |
| <b>Ola Blixt</b>      | Copenhagen | Identification of linear human B-cell epitopes of Crimean-Congo Hemorrhagic Fever Virus (CCHFV)   |

**12.30-15.00** Lunch and Free Activities

**15.00-15.20** **Antivirals**  
**Chair: Magnus Evander**

|                            |          |                                                                                                                                                    |
|----------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Kirstin Vonderstein</b> | Umeå     | Viperin vs. tick-borne encephalitis virus : mechanisms of a potent antiviral protein                                                               |
| <b>Isabella Muylaert</b>   | Göteborg | UL52 primase interactions in the herpes simplex virus 1 helicase-primase are affected by antiviral compounds and mutations causing drug resistance |

**15.20-16.00** **Pathogenesis**  
**Chair: Kristina Broliden**

|                           |           |                                                                                                        |
|---------------------------|-----------|--------------------------------------------------------------------------------------------------------|
| <b>Charlotta Eriksson</b> | Göteborg  | Complement activation in the central nervous system during herpes simplex encephalitis – a pilot study |
| <b>Clas Ahlm</b>          | Umeå      | Pulmonary immune response correlate to severity in hantavirus infection                                |
| <b>Sindhu Vangeti</b>     | Stockholm | Susceptibility of Tonsil Plasmacytoid Dendritic cells to Influenza A Virus                             |

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|-------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Gerald McInerney</b> | Stockholm                                                                     | Viral and cellular proteins containing FGDF motifs bind G3BP to block stress granule formation                            |
| <b>16.00-16.50</b>      | Poster Session including Coffee                                               |                                                                                                                           |
| <b>16.50-17.30</b>      | <b>HIV: Virology, Vaccine and Treatment</b><br><b>Chair: Marianne Jansson</b> |                                                                                                                           |
| <b>Arvid Eden</b>       | Göteborg                                                                      | Increased Intrathecal Immune Activation in Virally Suppressed HIV-1 Infected Patients with Mild Neurocognitive Impairment |
| <b>Marianne Jansson</b> | Lund                                                                          | On the interplay between HIV and TB at manipulation of virus transmission and innate immunity                             |
| <b>Britta Wahren</b>    | Stockholm                                                                     | HIV-DNA given with intradermal electroporation is safe and highly immunogenic                                             |
| <b>Jorma Hinkula</b>    | Linköping                                                                     | Comparison of intradermal, intramuscular and intranasal virus vaccination against HIV-1                                   |
| <b>18.15</b>            | Archipelago Cruise & Seafood Buffet                                           |                                                                                                                           |

## Saturday, August 22

07.30 Breakfast

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**09.00-09.45**      **Keynote 3**

**Robert Garcea**      Boulder      Polyomavirus Pathogenesis: Man to Mouse

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**10.00-10.30**      **Clinical Virology &  
Diagnostics**  
**Chair: Magnus Lindh**

**Anders Bergqvist**      Uppsala      Diagnostics of BK polyomavirus load and genotype in post transplant patients.

**Jonas Blomberg**      Linköping      From one to three dimensions; Multiplex virus serology using sequence information

**Jesper Waldenström**      Göteborg      Randomized trial evaluating the impact of ribavirin mono-therapy and double-dosing on viral kinetics, ribavirin pharmacokinetics

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10.30-11.00 Coffee Break

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**11.00-11.40**      **Part 2: Clinical Virology &  
Diagnostics**  
**Chair: Magnus Lindh**

**Priya Devi**      Uppsala      Development of a strand-specific real-time RT-PCR assay for detection and quantitation of hepatitis C virus genomic and antigenomic RNA's.

**Samuel Rhedin**      Stockholm      Respiratory viruses associated with community-acquired pneumonia in children - Matched case-control study

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| <b>Ya-Fang Mei</b>      | Umeå   | Serum IgG and IgM responses to rhinoviruses as detected by a HRV virus capsid (VP1)-based indirect ELISA |
| <b>Martin Sundqvist</b> | Örebro | Droplet Digital PCR for absolute quantification and determination of proviral load of HTLV 1 and 2       |

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**11.40-12.20** Membership Meeting Swedish Society for Virology

**12.20** Lunch

**13.00** Departure 1st bus

**13.30** Departure 2nd bus

## 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 same overwhelming view of the



Foto: SVEN LINDWALL

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 & Pensionat Bryggan:



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 and Bryggan (fallback). All meals and service is at Havsbadet. Delegates registering for “Bed in shared” will primarily be checked in at Makrillviken.

## 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. The number of single rooms is restricted and they are distributed on a “first come, first served” basis. It is therefore recommended to suggest a suitable roommate even if the first choice is a Single Room.

### ***Bus Transfer Göteborg-Smögen***

Buses will leave from Downtown Göteborg (Nils Ericson-platsen) at about 10.20 on August 20 and from Smögen after lunch on August 22. All transfer is complimentary. The bus ride takes 1 hour 50 minutes. The busses will wait for passengers from the trains from Stockholm and Malmö, respectively, scheduled to arrive in Gothenburg about 10.15. However, should extreme train delays occur, the delegates concerned will be instructed by mobile telephone how to act. Those who sign up for Bus Transfer will get further information via E-mail.

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 location in 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 are 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 information***

Symposium information will be continuously updated at the official homepage of the Swedish Society for Virology: <http://ssfv2011.hemsidadirekt.se/>, where you also will find an electronic form for convenient on-line registration. Those who are not on the mailing list, please notify [sigvard.olofsson@microbio.gu.se](mailto:sigvard.olofsson@microbio.gu.se).

## 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.

### *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.

## Map of important places



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

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

B: Place for Welcome Reception Thursday