Haikko Manor
Porvoo, Finland

XVII PAAVO NURMI SYMPOSIUM
2011

Future Directions of Hypertension -
Tailor-made Diagnostics and Treatment

SEPTEMBER 7-9, 2011

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XVII Paavo Nurmi Symposium

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Welcome to the Symposium

Dear Participants of the 17th Paavo Nurmi Symposium,

In September 1969, 42 years ago, the newly founded Paavo Nurmi Foundation organized its first international symposium in the Haikko Manor. Numerous foreign and Finnish scientists attended the symposium on 'Thrombosis and Coronary Heart Disease', and the event was a great success and a start of a tradition of organising high quality symposia in Finland every two years. For the symposia prominent foreign medical scientists are invited to give a presentation of their research and discuss current topics with Finnish scientists.

As the Chairman of the organizers, it is my great pleasure to welcome you to attend the 17th International Paavo Nurmi Symposium. This year’s theme, ‘Future Directions of Hypertension - Tailor-made Diagnostics and Treatment’, focuses on hypertension and has a special emphasis on several future aspects of cardiovascular medicine. The presentations from leading professionals from all over the world will cover many current and highly interesting topics in the field of high blood pressure research and cardiovascular and fluid balance regulation. We sincerely hope this will lead into interesting dialogues, development of new research contacts, and future scientific collaboration.

Previously, the Paavo Nurmi Symposium Proceedings have been published either as supplements in medical journals or in international monographic series. We are pleased that also this year the Foundation made it possible to publish the Congress Proceedings as a special Supplement of the Annals of Medicine. In addition to the printed publication, the papers will also be freely available online for a period of 12 months. Thus, all interested readers worldwide are going to have access to the mini-reviews.

On behalf of the Scientific and Organizing Committees I wish you very warmly welcome to this special symposium,

Ilkka Pörsti
WEDNESDAY 7th SEPTEMBER 2011
DEFG-hall, Haikko Conference Centre

10:10
Secretariat open - Registration

13:00
Opening of the XVII Paavo Nurmi Symposium
Ilkka Pörsti and Kimmo Kontula

13:15
A short documentary film of Paavo Nurmi

Session 1a
From basics to novel aspects on therapeutics
Chairpersons: Kimmo Kontula and Toshiro Fujita

13:35
Experimental models of cardiovascular diseases - relevance for the clinic
Michael Bader

14:10
Oxidative stress, Noxs and hypertension: What is the clinical significance?
Rhian M. Touyz

14:45
Pharmacogenomics of antihypertensive drugs
Julie A. Johnson

15:20
Break and Refreshments at Conference Café

Session 1b
From basics to novel aspects on therapeutics
Chairpersons: Eero Mervaala and Peter A. Doris

15:50
Can we predict the response to an antihypertensive agent?
Timo Hiltunen

16:25
MicroRNA-based therapeutics for cardiovascular diseases
Stefanie Dimmeler

17:00
A change in paradigm- Time for lowering of blood pressure in everyone over a certain age?
Malcolm R. Law

17:35
Commentary: Is a lower blood pressure target in diabetic patients justified by trial evidence?
Jaakko Tuomilehto

19:00
Get Together Dinner at Villa Haikko
Candlelight Lecture: Telomeres and cardiovascular ageing
Frej Fyhrquist
THURSDAY 8th SEPTEMBER 2011
DEFG-hall, Haikko Conference Centre

08:30
Secretariat open

Session 2a
Pathomechanisms of hypertension
Chairpersons: Frej Fyhrquist and Stéphane Laurent

09:00
Renin/prorenin receptor in hypertension
Dominik Müller

09:35
Role of the immune system in hypertensive target organ damage
Friedrich Luft

10:10
Break and Refreshments at Conference Café

Session 2b
Pathomechanisms of hypertension
Chairpersons: Seppo Ylä-Herttuala and Friedrich Luft

10:45
Genetics of blood pressure - small steps and giant leaps
Mark Caulfield

11:20
Proteomics in hypertension and other cardiovascular diseases
Christian Delles

11:55
Hypertension and renal injury: a bidirectional relationship
Peter A. Doris

12:30
Lunch at Manor Restaurant

Session 3
Vascular tone and structure
Chairpersons: Ilkka Pörsti and Rhian M. Touyz

13:35
Endothelial cells as vascular salt sensors
Hans Oberleithner

14:10
Perivascular fat, obesity and hypertension
Anthony Heagerty

14:45
The truly hard form of atherosclerosis: vascular extracellular matrix calcification
Catherine M. Shanahan

15:20
Break and Refreshments at Conference Café
Session 4  
Clinical hypertension  
Chairpersons: Ilkka Tikkanen and Anthony Heagerty

15:50  
Prediction of future cardiovascular risk in asymptomatic hypertensive subjects  
Stéphane Laurent

16:25  
Cardiovascular phenotyping of hypertensive and normotensive subjects  
Ilkka Pörsti

17:00  
Current views on the management of atherosclerotic renovascular hypertension  
Philip A. Kalra

19:00  
Banquet Dinner at Villa Haikko

FRIDAY 9th SEPTEMBER 2011  
DEFG-hall, Haikko Conference Centre

08:30  
Secretariat open

Session 5a
Sodium from transport to storage  
Chairpersons: Timo Hiltunen and Michael Bader

09:00  
The epithelial sodium channel in hypertension  
Laurent Schild

09:35  
The Na⁺, K⁺, 2Cl⁻ cotransporter (NKCC1) and hypertension  
Sergei N. Orlov

10:10  
Break and Refreshments at Conference Cafe

Session 5b
Sodium from transport to storage  
Chairpersons: Heikki Ruskoaho and Laurent Schild

10:45  
Aldosterone, salt-sensitive hypertension and metabolic syndrome  
Toshiro Fujita

11:20  
Non-osmotic sodium storage  
Jens Titze

11:55  
Salt: Action and implementation  
Graham A. MacGregor

12:25  
Concluding remarks

12:30  
Adjourn and Lunch at Manor Restaurant
Speakers:

Prof. Dr. Michael Bader
Max-Delbrück-Center for Molecular Medicine (MDC)
Berlin, Germany

Prof. Mark Caulfield
William Harvey Research Institute
London, UK

Dr. Christian Delles
University of Glasgow
Glasgow, UK

Prof. Stefanie Dimmeler
Goethe University
Frankfurt, Germany

Prof. Peter A. Doris
University of Texas HSC
Houston, Texas, US

Prof. Toshiro Fujita
University of Tokyo
Tokyo, Japan

Prof. Frej Fyhrquist
University of Helsinki
Helsinki, Finland

Prof. Anthony Heagerty
University of Manchester,
Manchester, UK
Speakers:

M.D. Timo Hiltunen
University of Helsinki
Helsinki, Finland

Prof. Julie A. Johnson
University of Florida
Gainesville, Florida, US

Prof. Philip A. Kalra
University of Manchester
Manchester, UK

Prof. Stéphane Laurent
Paris Descartes Medical School
Paris, France

Prof. Malcolm R. Law
University of London -
Queen Mary
London, UK

Prof. Friedrich Luft
Humboldt University of Berlin
Berlin, Germany

Prof. Graham A. MacGregor
University of London -
St George’s Hospital
London, UK

Prof. Dominik N. Müller
University of Erlangen-
Nürnberg
Erlangen, Germany
Speakers:

Prof. Hans Oberleithner
University of Münster
Münster, Germany

Prof. Sergei N. Orlov
University of Montreal
Montreal, Canada

Prof. Ilkka Pörsti
University of Tampere
Tampere, Finland

Prof. Laurent Schild
University of Lausanne
Lausanne, Switzerland

Prof. Catherine M. Shanahan
Kings College
London, UK

Prof. Dr Jens Titze
University of Erlangen-Nürnberg
Erlangen, Germany

Prof. Rhian M. Touyz
University of Ottawa
Ottawa, Canada

Prof. Jaakko Tuomilehto
University of Helsinki
Helsinki, Finland
General information

Symposium Venue

Hotel Haikko Manor (www.haikko.fi) is located 6 km outside the city of Porvoo and 45 km (30 min drive) from the Helsinki-Vantaa International airport.

Accommodation

All the rooms at the historic Haikko Manor and at the nearby Spa & Conference Hotel are non-smoking.
Address to the Hotel Haikko Manor: Haikkoontie 114, 06400 Porvoo, Finland.
Check-In: 3:00 PM and Check-Out: 12:00 PM.

Transportation

A local bus service runs between Porvoo (town centre) - Helsinki. The bus leaves at Porvoo Bus station platform 1-3 and at Helsinki Bus station platform 1-4. One-way ticket costs under 15€/adult. The journey time is 1hr 15mins.

Taxis are very reliable and have meters indicating fare. Tips are not necessary. The number for a taxi from a mobile telephone is 0100 86800.

Parking at Haikko Manor

A wide parking area nearby the hotel is available free of charge for the hotel customers.

Social Programme

Get Together dinner Wednesday 7th September, 2011 at 19:00, Villa Haikko
Banquet dinner Thursday 8th September, 2011 at 19:00, Villa Haikko

A business casual attire is appropriate for the symposium and for the evening functions.

The Haikko Manor and Spa are located by the sea and in the middle of a beautiful park, which provides versatile possibilities for leisure-time activities. Recreational amenities include an indoor pool, a spa tub, a sauna, a fitness facility, and a steam room. The health spa has massage/treatment rooms and beauty services.

Haikko also offers fishing and boat cruises through the unique archipelago.

Shopping

Porvoo, Finland’s second oldest town provides various shopping possibilities and interesting places to visit only 6 km away from the hotel. People come from all over the world to see the unique Old Town in Porvoo and to visit Porvoo Cathedral.
Helsinki offers the best and widest range of shopping opportunities in Finland, including top fashion, large department stores and small boutiques.
The shops in the Helsinki city centre are all located within easy walking distance of each other.
AREA MAP
HAIKKO MANOR
PORVOO, FINLAND

A  Manor / Reception
B  Spa-Conference hotel / Reception
P  Parking
H  Landing site for helicopters
1  Cabin Saunas
2  Volleyball ground
3  Villa Haikko
4  Seaside park with summerhouses
5  Arena Mininastion
6  Swimming
7  Seaside sauna
8  Harbor for cruisers
9  Guest harbor
10 Jogging track
11 Path to the Panorama cliff