

Preliminary program of the

Seventh Symposium on Glycosaminoglycans

June, 1999

**Recent Advances in Research and Clinical Application of Glycosaminoglycans and Related
Drugs**

September 2-4, 1999

Villa Vigoni, Lovenno (Como) / Italy

Organizers:

Job Harenberg
1st Department of Medicine
Faculty of Clinical Medicine
University of Heidelberg
Theodor-Kutzer-Ufer
D-68167 Mannheim
Germany

Benito Casu
Istituto Scientifico di Chimica
e Biochimica "G. Ronzoni"
Via G. Colombo, 81
I-20133 Milano
Italy

Giancarlo Agnelli
Istituto di Medicina Interna
Università degli Studi di Perugia
Via Enrico dal Pozzo
I-06100 Perugia
Italy

Welcome to Villa Vigoni !

It is the seventh time that the staff of Villa Vigoni hosts our symposium on glycosaminoglycan-protein binding, biological implications, unresolved issues in venous thromboembolism, heparin-induced thrombocytopenia and standardization of methods for measurement of hirudin. Since the knowledge in this field is expanding, the Italian and German colleagues of this research area decided to include a clinical session on the status and perspectives of the clinical application of antithrombins during the meeting.

At the end of each session we have organized round table discussions on selected topics, as outlined in the program. We would like to invite all participants to discuss and comment on these topics. Manuscripts of the presentations may be published in Seminars in Thrombosis and Hemostasis in a separate volume.

Please do not hesitate to contact the organizers of the symposium in the case of difficulties concerning transportation, accommodation or other problems with regard to the symposium.

We thank Professor Roeck and his collaborators for enabling this symposium.

Job Harenberg

Benito Casu

Giancarlo Agnelli

Thursday, September 2nd, 1999

Arrival: until 12.00 a.m.
12.30 *Lunch in Villa Vigoni*

Session I: Glycosaminoglycan-protein binding. Biological implications

Chairmen: B. Casu, Milano; J. Harenberg, Mannheim

14.00-14.15 : B. Casu, Milano:
 Welcome and introduction

14.15-14.40: M. Petitou, Toulouse
 Synthetic heparin oligosaccharides. Inhibition of proteins involved in thrombosis and cell proliferation

14.40-15.00: A. Naggi/G. Torri, Milano
 Modulation of sulfation patterns and protein-binding properties of natural and biotechnological glycosaminoglycans

15.00-15.20: M. Hricovini, Bratislava
 NMH approaches to detect local glycosaminoglycan structures involved in protein binding

15.20-15.30: Discussion

15.30-16.00: Break

16.00-16.20: M. Presta, Brescia
 Interaction of glycosaminoglycans with fibroblast growth factors

16.20-16.40: G. Gambaro, Padova/E. Schleicher, Tübingen
 Interaction of glycosaminoglycans with transforming growth factor β

16.40-17.00: S. Alban, Regensburg
 Bodyweight adjusted or fixed dose heparin? Pharmacokinetic considerations

17.00-17.30: General Discussion

Friday, September 3rd, 1999

Session II: Unresolved issues in venous thromboembolism - towards a consensus

Chairmen: J. W. ten Cate, Amsterdam; G.G Nenci, Perugia; H. Riess, Berlin

9.00-9.20: G. Agnelli, Perugia
 In hospital versus post discharge prophylaxis of venous thromboembolism of high risk surgical patients

9.20-9.40: C. Kirchmaier, Wiesbaden; H. Wolf, Nuremberg
 Why induces iv LMWH less aXa activity than sc LMWH

9.40-10.00: Discussion - towards a consensus on specific topics to be prepared by the organizers

10.00-10.30: Break

10.30-11.00: D. Gulba, Berlin
 Thrombolysis versus anticoagulation in stable pulmonary embolism

11.00-11.20: H. Büller, Amsterdam
 In hospital versus home treatment of venous thromboembolism

11.20-11.40: J. Harenberg, Mannheim
 Fixed dose subcutaneous low-molecular-weight heparin for treatment of recent venous thromboembolism

11.40-12.00 J. ten Cate, Amsterdam
 Future perspectives for treatment with LMWH

12.00-12.30 Discussion - towards a consensus on specific topics to be prepared by the organizers

Invited discussants: Riess H, Berlin, Wolf H, Nuremberg

12.30-14.00: Lunch

Friday, September 3rd 1999

- Session III: Heparin-induced thrombocytopenia**
- Moderators:** A. Greinacher, Greifswald; M. Huisman, Leiden; E. Wenzel, Homburg
- 14.00-14.20:** M. Petitou, Toulouse
Pharmacological basis of the interaction between platelets and heparin
- 14.20-14.40:** F. Piovella, Pavia
Epidemiology of heparin-induced thrombocytopenia
- 14.40-15.00:** Discussion - towards a consensus
to be prepared by the organizers
- 15.00-15.30:** Break
- 15.30-16.00:** G. Huhle, Mannheim
Hirudin antibodies and their biological relevance
- 16.00-16.20:** A. Greinacher, Greifswald
Management of heparin-induced thrombocytopenia
- 16.20-16.40:** H. Magnani, Oss
Treatment of heparin-induced thrombocytopenia with organan
- 16.40-17.00:** M. Huisman, Leiden
Status of clinical development of pentasaccharides
- 17.00-17.20** D. Gulba, Berlin
Status of development of PEG-hirudin
- 17.20-17.40:** Discussion - towards a consensus
to be prepared by the organizers
- Invited discussants:** Wenzel E, Homburg,; Seifried E, Frankfurt
- 19.30:** Dinner

Saturday, September 4th 1999

- Session IV: Standardization of methods for measurement of hirudins -
Open meeting of the Working Group of the ISTH subcommittee**
- Moderators:** A. Stemberger, Munich; G. Agnelli, Perugia; F. Markwardt, Erfurt
- 9.00-9.20:** J. Harenberg
Report on behalf of the working group of the meeting of the ISTH in
Washington, August 1999
- 9.20-9.40:** G. Nowak, Jena
Biochemical background of determination methods for hirudin
- 9.40-10.00:** P. Eichler, Greifswald
Influence of hirudins on different aPTT-reagents
- 10.00-10.30:** Discussion: Defining the value of aPTT for determination of hirudin
- 10.30-11.00:** Break
- 11.00-11.20:** A Spannagl, Munich
Standardization of the ecarin clotting time for the determination of hirudins
- 11.20-11.40:** U. Esslinger, Ludwigshafen
Standardization of ecarin clotting time for PEG-hirudin
- 11.40-12.00:** G. Huhle, Mannheim
Subcutaneous r-hirudin: A practicable alternative in HIT without
thrombosis
- 12.00-12.30:** Discussion - Strategies to define the therapeutic value of hirudins
- Invited discussants:** Gray E, Hertfordshire; Meuleman DG, Oss;
- 12.30:** End of the symposium
Lunch

General Information

Planned Publication: Seminars in Thrombosis and Hemostasis

Social Program

Thursday, September 2nd 1999

19.3.0 *Dinner in Villa Vigoni*

Friday, September 3rd, 1999

8.00-8.45 *Breakfast*

13.00 -14.00 *Lunch in Villa Vigoni*

19.30 : *Dinner in Villa Vigoni*

Saturday, September 4th 1999

8.00-9.00: *Breakfast*

13.00 -14.00 *Lunch in Villa Vigoni*

Departure: *after lunch*

Location of the Symposium:

"Villa Vigoni e.V."

Via Giulio Vigoni 1

Loveno di Menaggio

I-22017 Menaggio (Como)

Tel.: +39-344/361 11

Fax: +39-344/36 12 10

Registration: Thursday, September 2nd, 1999

Scientific correspondence:

Job Harenberg

1st Department of Medicine

Faculty of Clinical Medicine

University of Heidelberg

Theodor-Kutzer-Ufer

D-68167 Mannheim

Germany

Tel: +49/621/383-33 78, -27 89

Fax: +49/621/383-38 08

Email: J-Harenberg@t-online.de