

Symposium

on

"Structure Activity Relationship of Antithrombotic
and Haemorrhagic Properties of Glycosaminoglycans".

Villa Vigoni, Como/Italy, March, 14-16th, 1991

Program

1st Department of Medicine
Faculty of Clinical Medicine Mannheim
University of Heidelberg
and
Instituto Scientifico di Chimica
e Biochimica "G. Ronzoni"
Milano

Organizer:

Job Harenberg
1st Department of Medicine
Faculty of Clinical Medicine
University of Heidelberg
Theodor-Kutzer-Ufer
6800 Mannheim

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

Thursday, March 14th, 1991

12.00 - 14.00 Lunch

Session I: Chairman: B. Casu, Milano

14.30 - 14.45 Introduction: J. Harenberg, Mannheim
B. Casu, Milano
Structure Activity Relation of Antithrombotic
Properties of Glycosaminoglycans

I. Witt, Freiburg:
Structural Requirements for Antithrombotic Properties
of Heparins

Discussion

P. Bianchini, Bologna:
Structural Requirements for Antithrombotic Properties
of Other Glycosaminoglycans

R. Klauser, München:
Structural Requirements for Interaction of Lactobionic
Acid and Antithrombotic Properties

Discussion

P. Torri, Milano:
Characterization of Saccharide Sequences for
Interaction with Antithrombin III by NMR and
Molecular Modelling

Discussion

K. Breddin, Frankfurt:
Antithrombotic Properties of Different
Glycosaminoglycans in the Laser Induced Thrombosis
Model

Discussion

General discussion

Dinner

Friday, March 15th, 1991

Session II:

K. Jann, Freiburg:
Expression of Mucopolysaccharides from Escherichia
Coli

Discussion

B. Jann, Freiburg:
Modification of Structural Properties of
Mucopolysaccharides Expressed from E. Coli

Discussion

R. Franz, Regensburg
Modification of the Sulfatation of Hyposulfated Natural
Mucopolysaccharides and Anticoagulant Properties

Discussion

General Discussion

Session III:

K. Preissner, Bad Nauheim:
Structural Interactions of Mucopolysaccharides with
Vitronectin

Discussion

J. Grulich-Henn, Heidelberg
Structural Interactions of Mucopolysaccharides and
Tissue Plasminogen activators

Discussion

S. Alban, Regensburg:
Structural Interactions of Heparin Related
Oligosaccharides with Polybrene and Protamine

Discussion

General Discussion

Lunch

Session IV:

M. B. Donati, S. Maria Imbaro:
Relation of Glycosaminoglycans and Metastasis

Discussion

J. Harenberg, Heidelberg:
Relation of Glycosaminoglycans and Endothelial Cell
Growth

Discussion

G. Stehle, Heidelberg:
Clearance of Heparin and Related Saccharides in Vivo

Discussion
General Discussion

Coffee Break

Session V:

B. Casu: Milano:
Structural requirements of glycosaminoglycans and
Bleeding Tendency

Discussion

A. Poggi, S. Maria Imbaro
Bleeding Potential of Various Glycosaminoglycans

Discussion

K. Breddin, Frankfurt:
Dose Dependency of Bleeding Facts of
Glycosaminoglycans in an Animal Model

Discussion

M. Markwardt, Erfurt
Relation of Antithrombotic and Haemorrhagic
Properties of Hirudins

Discussion
General Discussion

19.30

Dinner

Saturday, March 16th, 1991

Session VI:

U. Schmitz-Huebner, Herford:
Structural Requirements for Half-lives of Acid
Mucopolysaccharides

Discussion

S. Coccheri, Bologna:
Structural Requirements for Oral Resorption of Acid
Mucopolysaccharides

Discussion

Pescador, Como
Structural Requirements of Acid Mucopolysaccharides
for Interaction with Lipoprotein Lipases

Concluding Remarks: J. Harenberg
B. Casu

12.30 - 14.00 Lunch

Sightseeing

Social Program

Thursday, March 14,

19.30 - 22.00 Dinner at the Villa Vigoni

Friday, March 15

Lunch

Saturday, March 16

Lunch

More information at the meeting.

Speakers and accompanying persons are invited. Maximum number are 20 persons for german and italian country each.

GENERAL INFORMATION

Location of the Symposium:

**"Villa Vigoni e.V."
Via Giulio Vigoni 1
Lovenno di Menaggio
I-22017 Menaggio (Como)
Tel.: (0039/344) 32155
Fax.: (0039/344) 32966**

**Registration Desk: Thursday, March 14, 1991
 12.00 - 14.00
 Villa Vigoni**

Scientific Correspondence:

**Priv.-Doz. Dr. J. Harenberg
1. Medizinische Klinik
Klinikum Mannheim
Theodor-Kutzer-Ufer
D-6800 Mannheim
Tel.: 0049-621/383-3378
Fax: 0049-621/383-2705**

Speakers:

S. Alban
Universität Regensburg
Institut für Pharmazie
Universitätsstr. 31
8400 Regensburg

Dr. P. Bianchini
Opocrin S.P.A.
Via Pacinotti 3
I-40140 Corlo di Formigine (MO)

Prof. Dr. H. D. Bruhn
Klinikum der Christian-Albrechts-Universität
I. Medizinische Klinik
Schittenhelmstr. 12
D-2300 Kiel 1

Prof. Dr. B. Casu
Istituto di Chimica e Biochimica "G. Ronzoni"
Via G. Colombo, 81
I-20133 Milano

Dr. S. Coccheri
Dept. of Angiology
Ospedale San Orsola
Via Massarenti 9
I-40100 Bologna

Dr. M. B. Donati
Centro di Ricerche Pharmacol.
Consorzio Mario Negri Sud
I-66030 St. Maria Imbaro

Prof. Dr. G. Franz
Universität Regensburg
Institut für Pharmazie
Universitätsstr. 31
8400 Regensburg

Dr. J. Grulich-Henn
Kinderklinik der Universität Heidelberg
Im Neuenheimer Feld 150
D-6900 Heidelberg

Prof. Dr. K. Jann
Max-Planck-Institut
für Immunbiologie
Stübeweg 51
D-7800 Freiburg

Dr. R. Klauser
Luitpold-Werk München

Zielstattstr. 9
D-8000 München 70

Dr. M. Köhler
Universitätskliniken des Saarlandes
Abteilung für Klinische Hämostaseologie
und Transfusionsmedizin
D-6650 Homburg

Dr. F. Markwardt
Institut für Pharmakologie
und Toxikologie
Medizinische Akademie Erfurt
Nordhauserstr. 74
DDR-5010 Erfurt

Dr. A. Poggi
Centro di Ricerche Pharmacol.
Consorzio Mario Negri Sud
I-66030 St. Maria Imbaro

Dr. K. T. Preissner
Max-Planck-Gesellschaft
Klinische Forschungsgruppe
Blutgerinnung und Thrombose
Gaffkystr. 11
D-6300 Giessen

Prof. Dr. U. Schmitz-Huebner
Kreiskrankenhaus Herford
Medizinische Klinik II
Schwarzenmoorstr. 70
D-4900 Herford

Dr. E. Wenzel
Universitätskliniken des Saarlandes
Abteilung für Klinische Hämostaseologie
und Transfusionsmedizin
D-6650 Homburg

Prof. Dr. I. Witt
Universitäts-Kinderklinik
Klinisch-Chemisches Labor
Mathildenstr. 1
D-7800 Freiburg