Third Symposium

on

Glycosaminoglycans, blood cells and endothelium -Results and perspectives of bilateral collaboration on novel approaches to pharmacokinetics and metabolism

May 13th-15th, 1993

Villa Vigoni, Loveno (Como) / Italy

Program

Organizers:

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

Welcome to Villa Vigoni!

It is the third time that Mr. Paul Harro Piazolo hosts our symposium on the action of polysaccharides in molecular biology, pharmacology, vascular endothelium and the relation to arteriosclerosis. Since the knowledge in this field is expanding and fruitful collaboration of the Italian and German participants of this symposium has been initiated with other European research groups, we decided to create a "European day" during our meeting. We are gratefully indebted to Mr. Piazolo for accepting that his Villa, dedicated generally only to meetings of German and Italian participants, allowed us to invite participants from two other European countries for one day.

At the end of each session we have organized round table discussions upon selected topics, as outlined in the program. We would like to invite all participants to discuss and comment on these topics.

We are grateful to Professor E.F. Mammen to allow us to submit manuscripts of the presentations to Seminars in Thrombosis and Haemostasis scheduled to appear as regular issue in May 1994. For this complete manuscripts are required not later than October 10th, 1993.

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.

Benito Casu

Job Harenberg

Thursday, May 13th, 1993

13.00 - 14.00	Lunch in Villa Vigoni	16.10 - 16.30	Break
Session Ia:	Glycosaminoglycans and blood cells	Session Ib:	Glycosaminoglycans and blood cells
Chairmen:	G. F. Gensini, Firenze	0 0001011 10 0	019 00000000000000000000000000000000000
	E. Wenzel, Homburg	Chairmen:	G. F. Gensini, Firenze
			E. Wenzel, Homburg
15.00	J. Harenberg, Mannheim	16.00 16.50	
	G. F. Gensini, Firenze	16.30 - 16.50	Ch. Cerletti, St. Maria Imbaro
	Welcome address		Interaction between glycosaminoglycans, platelets and leukocytes
15.05 - 15.20	B. Casu, Milano		telets and leakoeytes
	,	16.50 - 17.10	I. Viano, Novara
	Scopes and strategies for using glycosamino-		
	glycans labeled with stable isotopes for meta-		Cellular interaction of partially desulfated gly-
	bolism and interaction studies		cosaminoglycans
15.20 - 15.35	J. Harenberg, Mannheim	17.10-17.30	G. Huhle, Mannheim
			Characterization of a IgG monoclonal antibody
	Binding of heparins to leukocytes and		against heparin
	interaction studies with oligosaccharides and GAG's using a fluorescent labeled heparin	17.30	Round table:
	derivative	17.30	Round table:
	delivative	Moderators:	E. Wenzel, G. F. Gensini
15.35 - 15.50	G. Camussi, Torino	1,100,010,0010,0	
		Topic:	Identification of receptor binding sites of gly-
	Modulation of inflammation by cell-surface		cosaminoglycans on cellular surfaces
	glycosaminoglycans	10.00	D' (IVII IV' '
15.50 - 16.10	Discussion	19.30	Dinner at Villa Vigoni
19.90 - 10.10	Discussion		

Friday, May 14th, 1993

Session II: Non-anticoagulant activities of glycosaminoglycans Chairmen: M. B. Donati, St. Maria Imbaro I. Witt, Freiburg 9.00 - 9.15 D. H. J. Schamhart, Amsterdam Effects of pentosan polysulfate on mycobacteriainduced upregulation of cytokine synthesis of a bladder carcinom cell line 9.15 - 9.30 A. Poggi, St. Maria Imbaro Inhibitory effects of GAG's on experimental metastasis: a structure-function study 9.30-9.45 M.B. Donati, St. Maria Imbaro Glycosaminoglycans and the fibrinolytic activity of endothelial cells 9.45 - 10.00 I. Witt, Freiburg Glycosaminoglycans and tissue factor pathway inhibitor Discussion 10.00 10.30 - 10.45 Break

10.45 Round table:

Moderators: M. B. Donati, I. Witt

Topic: Definition of specific protein sequences which

induce non-anticoagulant activities of glycos-

aminoglycans

Friday, March 14th, 1993

Session III:	New methods to identify glycosaminoglycans	Session IV:	Pharmacokinetics of glycosaminoglycans I
Chairmen:	B. Casu, Milano K.H. Breddin, Frankfurt	Chairmen:	E.F. Mammen, Detroit E. Wenzel, Homburg
14.30 - 14.45	G. Torri, Milano NMR spectroscopy for characterization of original and tagged glycosaminoglycans	16.45 - 17.00	P. Bianchini, Bologna Extraction methods of glycosaminoglycans from biological fluids
14.45 - 15.00	L. Silvestro, Torino Detection of glycosaminoglycans with HPLC and mass spectrometry	17.00 - 17.15	G. Agnelli, Perugia Plasma thrombin neutralization assay (PTNA), pharmacokinetic applications
15.00 - 15.15	A. Naggi, Milano Combined NMR-Mass spectrometry to study glycosaminoglycans	17.15 - 17.30	E. Lanzarotti, Como Pharmacokinetics with with deuterium-labeled glycosaminoglycans
15.15 - 15.45	R. Malsch, Mannheim HPLC, PAGE and CE for characterization of glycosaminoglycans	17.30 - 17.45	E. Marchi, Bologna Pharmacokinetic studies using radio- and fluorescence-labeled glycosaminoglycans
15.45 - 16.00	D. Rotilio, St. Maria Imbaro CE analysis for surface of chondro-disaccharides in cells treated with cytokines	17.45 - 18.00	L. Piazolo, Mannheim Pharmacokinetics and cellular binding kinetics of LMMH-tyramine-FITC
16.00 - 16.15	S. Alban, Regensburg	18.00	Round table:
	GC/MS analysis of modified and hypersulfated anticoagulantly active \(\mathbb{g} 1-3 \) glycans	Moderators:	E.F. Mammen, E. Wenzel, B. Casu, K.H. Breddin
16.15	Discussion	Topia	Comparison of analytical methods for detection
16.30-16.45	Break	Topic:	Comparison of analytical methods for detection and measurement of glycosaminoglycans
	Symposium Villa Vigoni, May 13th to 15th 1993		

Saturday, May 15th, 1993

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Session V:	Pharmacokinetics of glycosaminoglycans II	Session VI:	Standardization of the biological activity of Heparins
Chairmen:	E. F. Mammen, Detroit A. G. Dettori, Parma	Chairmen:	H.C. Hemker, Maastricht A. G. Dettori, Parma
9.15 - 9.30	J. Harenberg, Mannheim		,
	Liver uptake and urinary excretion of lipo-philic LMMH-tyramine	11.00 - 11.15	A. W. Stemberger, München Pharmaceutical declaration of heparin potencies and problems in their determination
9.30 - 9.45	K. Kirchmeier, Frankfurt		
	Long lasting effects of the pharmacokinetics of heparins in animals	11.15 - 11.30	S. Beguin, Maastricht Characterization of heparins according above and below critical chain length
9.45 - 10.00	A.G. Dettori, Parma		
10.00 - 10.15	Pharmacokinetics of dermatansulfate A. Naggi, Milano	11.30 - 11.45	H.C. Hemker, Maastricht Standardization of heparins according above and below critical chain length
	Pharmacodynamic and pharmacokinetic pro-file		8
	of new LMW-dermatansulfate	11.45 - 12.00	H.K. Breddin, Frankfurt
10.15 - 10.30	W. Raake, Munic Pharmacological profile of lactobionic acid		Animal models for standardization of gly-cosaminoglycans?
	8 1	12.00	Round table:
10.30 -10.45	Discussion		
10.45 - 11.00	Break	Moderators:	E. F. Mammen, A.G. Dettori, H.C. Hemker, H.K. Breddin
		Topic:	Concepts for development and standardiza-tion of glycosaminoglycans

General Information

Social Program

May 13th, 1992

12.30 - 14.00 Lunch in Villa Vigoni

19.30 - 22.00 Dinner in Villa Vigoni

May 14th, 1992

12.30 - 14.00 Lunch in Villa Vigoni

19.00 - 22.30 Boat trip Lake Como and Dinner

May 15th, 1992

12.30 - 14.00

Lunch in Villa Vigoni

Location of the Symposium:

"Villa Vigoni e.V."

Via Giulio Vigoni 1

Loveno di Menaggio

I-22017 Menaggio (Como)

Tel.: 0039-344/32155

Fax: 0039-344/32966

Registration: Thursday, May 14th, 1992

12.00 - 14.00 Villa Vigoni

Deadline for Manuscripts: October 10th, 1993

to be sent to Professor Dr. Job Harenberg, prepared according the instructions for authors of "Seminars in Thrombosis and Hemostasis" (The instructions are available at the Symposium.)

Symposium Villa Vigoni, May 13th to 15th 1993