

# Euroworkshop II on Interdisciplinary Perspectives of Diagnostic

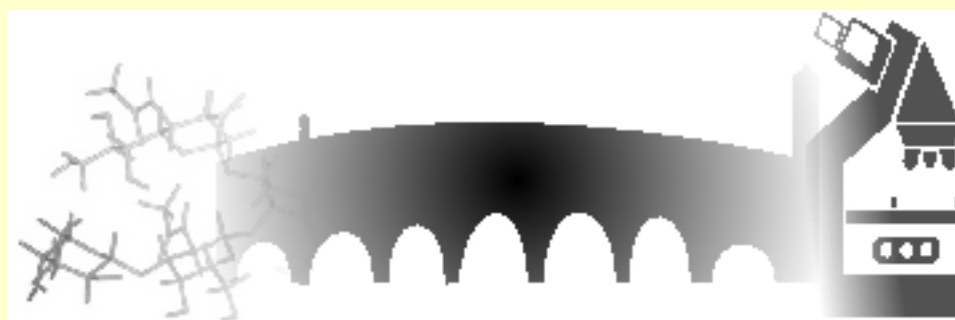
## Pathology, Cell Biology, and Morphometry

*Brussels*

*Universite Libre de Bruxelles*

**CP 620, Route de Lennik 808**

**October 5 – 7, 2001**



### **Program of the Euroworkshop BIOPATH II (Brussels)**

**supported by the European Commission (HPCF-2000-00019, BIOPATH -2) and the Verein zur Förderung des biologisch-technologischen Fortschritts in der Medizin e.V.**

*Friday, October 5, 2001*

17.00 – 17.15	A Danguy, <i>Brussels</i> , K Kayser, <i>Heidelberg</i> , R Kiss, <i>Brussels</i> : Introductory remarks
17.15 – 18.30	A Danguy, <i>Brussels</i> , H-J Gabius, <i>Munich</i> , K Kayser <i>Heidelberg</i> , R Kiss, <i>Brussels</i> , A Villalobo, <i>Madrid</i> : <b>Journal Club</b>
18.30 – 19.00	A Danguy, <i>Brussels</i> , H-J Gabius, <i>Munich</i> , K Kayser <i>Heidelberg</i> , R Kiss, <i>Brussels</i> , A Villalobo, <i>Madrid</i> : <b>Teaching course</b> : How to write a scientific article

19.30	Get – together - party
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*Saturday October 6, 2001*

### **Functional Glycomics Applied to Medicine**

9.00 - 9.10	R Kiss, <i>Brussels</i> : Welcome and Introductory Statements
9.10 - 9.40	H-J Gabius, <i>Munich</i> : Beyond Proteomics and Genomics: Functional Glycomics

### **How to Perform Rational Drug Design?**

9.40 – 9.50	HC Siebert, <i>Munich</i> : NMR Spectroscopy
9.50 – 10.10	A Romero, <i>Madrid</i> : X-Ray Crystallography
10.10 – 10.30	D Solis, <i>Madrid</i> : Chemical Mapping by Engineered Ligand Derivatives and Calorimetry
10.30 - 11.00	<i>Coffee break</i>

### **Plant Lectins: Structures, Functions and Medical Applications**

11.00 - 11.25	R Loris, T Hamelryck, <i>Brussels</i> : Structural Diversity
11.25 - 11.50	H Rüdiger, <i>Würzburg</i> : Functional Diversity of Plant Lectins
11.50 - 12.15	D C Kilpatrick, <i>Edinburgh</i> : Applications in Hematology / Immunology
12.15 - 12.35	A Danguy, <i>Brussels</i> : Applications in Histopathology
12.35 - 14.00	<i>Lunch</i>

### **Extracellular Matrix, Inflammation, Infection and Cancer**

14.00 - 14.45	G David, <i>Leuven</i> : Cracking the Heparanome: To What End?
14.45 - 15.30	F-T Liu, <i>San Diego</i> : Glycobiology of Inflammation
15.30 - 16.00	K Kayser, <i>Heidelberg</i> : Neoglycoconjugates in Lung Pathology
16.00 - 16.30	<i>Coffee break</i>
16.30 – 16.55	E Van Driessche, <i>Brussels</i> : Bacterial Lectins and Therapeutic Approaches
16.55 - 17.20	R Pieters, <i>Utrecht</i> : Bacterial Toxins and Therapeutic Approaches
17.20 - 17.45	I Salmon, <i>Brussels</i> : Galectins: New Tools in Histopathology
17.45 – 18.10	J Kopitz <i>Heidelberg</i> , R Kiss <i>Brussels</i> : Galectins: Potent Regulators of Tumor Cell Growth and Motility
19.30	<i>Dinner</i>

## Saturday, October 6, 2001

<b>9.30 – 10.30</b>	<b>Workshop: Innovative diagnostic techniques in pathology, I (molecular diagnostic techniques)</b>
9.30 – 9.45	N Agnantis, <i>Ioannina</i> : Analysis of <i>in vivo</i> cell kinetics in breast cancer development
9.45 – 10.00	A Charchanti, E Ioachim, N Agnantis, <i>Ioannina</i> : Immunohistochemical expression of extracellular matrix components tenascin, fibronectin, collagen type IV and laminin in breast cancer: the prognostic value and their role in tumor expansion and progression
10.00 – 10.15	E Vollmer, T Goldmann, J Galle, <i>Borstel</i> : Acid fast bacteria stains and PCR: diagnosis of mycobacterial infections using paraffin-embedded specimens
10.15 – 10.30	L Carvalho, <i>Coimbra</i> : Clinical use of quantitative image analysis in lung tumors

## Sunday, October 7, 2001

<b>8.30 – 9.35</b>	<b>Workshop: Innovative diagnostic techniques in pathology, II (statistics and machine vision techniques)</b>
8.30 – 8.42	Y Collan, <i>Turku</i> : Recent developments in multivariate statistics and statistical geometry
8.42 – 8.54	P Hamilton, <i>Belfast</i> : New aspects in chromatin texture analysis
8.54 – 9.06	J Salisbury, <i>London</i> : 3D- reconstruction in pathology: recent developments and implementation
9.06 – 9.20	P Hamilton, <i>Belfast</i> : The use of machine vision in diagnostic pathology
9.20 – 9.35	R Montironi, <i>Ancona</i> : Angiogenesis in prostate neoplasia
<b>8.30 – 9.35</b>	<b>Workshop: New methodological approaches in glycosciences</b>
8.30 – 8.50	O Ramström, <i>Strasbourg</i> : Searching for optimal ligands by libraries
8.50 – 9.05	A Heck, <i>Utrecht</i> : New developments in mass spectrometry for lectinology

9.05 – 9.20	HC Siebert, <i>Munich</i> : Probing the low limit of lectin size: peptides as mini-lectins?
9.20 – 9.35	M Frank, <i>Heidelberg</i> : Glycosciences and the internet: new developments
9.35 – 10.00	<i>Coffee break</i>
<b>10.00 – 11.15</b>	<b>Joint session on clinical aspects of the sugar code and galectins</b>
10.00 – 10.15	A Villalobo, <i>Madrid</i> : The erbB receptors in human cancer: glycobiological strategies to inhibit their proliferative activity
10.15 – 10.30	Y Kloog, <i>Tel Aviv</i> : Ras oncogene products: new binding partners for galectins
10.30 – 10.45	I Camby, <i>Brussels</i> : Galectins as modulators of malignant behavior of glioblastoma
10.45 – 11.00	Y Zick, <i>Rehovot</i> : Galectins as modulators of apoptosis and adhesion
11.00 – 11.15	H Kaltner, <i>Munich</i> : Galectins as markers in histology
<b>11.15 – 12.30:</b>	<b>Workshop: Innovative diagnostic techniques, part III (telecommunication and artificial intelligence systems)</b>
11.15 – 11.30	K Kayser, <i>Heidelberg</i> : Applications of artificial intelligence systems for telepathology
11.30 – 11.45	J Szymas, <i>Poznan</i> : Telepathology, an innovative tool for versatile education and training in diagnostic pathology
11.45 – 12.00	R Montironi, <i>Ancona</i> : Recent experience with telepathology of prostate lesions
12.00 – 12.15	T Mairinger, <i>Innsbruck</i> : Recent developments in expert consultation and diagnostic pathology using telecommunication
12.15 – 12.30	I Salmon, <i>Brussels</i> : How could static telepathology improve the diagnosis in neuropathology?

11.15 – 12.30:	<b>Human lectins in basic and applied biomedical research: defining perspectives and preparing project frames for cooperation</b> (including selected poster contribution, e.g., H Lahm, <i>Heidelberg</i> : RT-PCR analysis of human lectins)
12.30 – 13.00:	<b>Joint meeting of the participants, round table discussion with emphasis on collaborative projects</b>
13.00 – 14.00:	<i>Lunch</i>
14.00 – 15.30:	<b>Training course in diagnostic telepathology, demonstrated with the Polish – German teleconsultation project Interlung</b>
14.00 – 15.30:	<b>Training course on monitoring cell motility and migration by video microscopy and its application in cell biology and drug development</b>
15.30 – 16.30:	<b>Meeting of the program committee and advisory board for Biopath III (Madrid, 2002)</b>

**Posters** will be on display during the complete meeting and will be discussed on-site during breaks.