

**Euroworkshop on Interdisciplinary Perspectives of Diagnostic Pathology, Cell
Biology, and Morphometry**

Heidelberg, Conference Center of the German Cancer Research Center (DKFZ)

December 8 – 10, 2000

Program

Friday, December 8, 2000

19.00 Registration and Introduction, Get-together Party

Saturday, December 9, 2000

PLENARY SESSION

09.00 – 09.10 Welcome address (F von Bohlen und Halbach, Mayor's office)

09.10 – 09.15 Welcome and principal comments (K Kayser)

09.15 – 09.45 Information transfer beyond the genetic code: the sugar code (H-J Gabius)

09.45 – 10.10 Biosignaling in the sugar code (A Villalobo)

10.10 – 10.40 Coffee Break

SESSIONS OF CELL BIOLOGY/GLYCOSCIENCES AND PATHOLOGY EXPERTS

Cell biology/glycosciences

10.40 – 11.10 NMR investigations in protein-carbohydrate interactions (J Jimenez-Barbero)

11.10 – 11.40 X-ray crystallography of galectins (A Romero)

11.40 – 12.10 Design of pharmaceuticals to interfere with protein-carbohydrate interactions (R Pieters)

12.10 – 12.45 Discussion of perspectives

Pathology

10.40 – 11.05 Three-dimensional reconstruction in pathology (J Salisbury)

11.05 – 11.30 Automated machine vision in diagnostic pathology (P Hamilton)

11.30 – 11.55 Nuclear texture analysis (T Mairinger)

11.55 – 12.20 Contribution of image analysis to the quantification of blood vessels in ovarian tumors (K Tran)

12.20 – 12.45 Discussion of perspectives

12.45 – 14.15 Lunch

PLENARY SESSION

14.15 – 14.45 Glycohistochemistry: basic concept and applications in histology and pathology (A Danguy)

14.45 – 16.45 Poster discussion/Educational seminars

16.45 – 17.15 Coffee break

Cell biology/glycosciences

17.15 – 17.40 Application of mass spectrometry in analyzing protein-carbohydrate interactions (A Heck)

17.40 – 19.00 Poster discussion/Teaching course on new methodological advances

Pathology

17.15 – 17.40 Problem solving in modern pathology (Y Collan)

17.40 – 18.05 Interdisciplinary pathology, demonstrated for lung pathology (L Carvalho)

18.05 – 18.30 Telecommunication in pathology (J Szymas)

18.30 – 18.55 Interdisciplinary approach and general remarks (K Kayser, E Vollmer)

Dinner

Sunday, December 10, 2000

SESSIONS OF CELL BIOLOGY/GLYCOSCIENCES AND PATHOLOGY EXPERTS

Cell biology/glycosciences

08.30 – 08.55 Lessons from KO mice (F Poirier)

08.55 – 09.20 Insights into the role of galectins in motility and proliferation (I Camby)

09.20 – 09.45 Galectin-8: regulator of cell adhesion and apoptosis (Y Zick)

09.45 – 10.15 Discussion of perspectives

Pathology

08.30 – 08.55 Clinical importance of cellular pathology (J Salisbury)

08.55 – 09.20 Decision support models (Y Collan)

09.20 – 09.45 Classic methods in statistics (P Hamilton)

09.45 – 10.15 Teaching course in morphometry and case seminar (Y Collan, K Kayser, T Mairinger)

10.15 – 10.45 Coffee break

Cell biology/glycosciences

10.45 – 11.30 Meet the Speaker session

Pathology

10.45 – 11.30 Teaching course in telepathology (J Szymas, K Kayser), and Meet the speaker session

PLENARY SESSION

- 11.30 – 12.30 Round table to define perspectives for interdisciplinary projects and concluding remarks
- (H-J Gabius, K Kayser)

12.30 Lunch

end of the workshop