

**BIJVOET GRADUATE SCHOOL
FOR
BIOMOLECULAR CHEMISTRY**

FOURTH TUTORIAL SYMPOSIUM

On Interactions Between Biomolecules

Concept program

Organization: Prof.Dr. Hans Kamerling
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Location: Green Lecture Hall, F.A.F.C. Wentgebouw,
Utrecht University, Sorbonnelaan 16, 3584 CA Utrecht.
Free adjacent parking

FOURTH BIJVOET TUTORIAL SYMPOSIUM

This fourth tutorial symposium marks a festive occasion. The Bijvoet Center was founded as a joint research Institute of the Netherlands Foundation for Chemical Research (SON) and Utrecht University on March 25th, 1988. In the past 10 years the Bijvoet Center has grown from a local initiative to a nationally and internationally well recognized institute.

The tutorial symposium devoted to various aspects of the structure and function of biomolecules is intended for everybody interested in structural biology. All Ph.D. students, postdoctoral fellows and staff members working at the Bijvoet Graduate School are expected to actively participate in this Symposium. It creates unique possibilities to become fully aware of the multi disciplinary approach that is necessary to solve problems related to the functioning of biomolecules.

A focal point of the research activities of the Bijvoet Graduate School for Biomolecular Chemistry is the study of molecular recognition and interaction processes. Modern molecular biological methods, enzymic / chemical synthesis and separation techniques are applied to obtain complex molecules and molecular complexes. To study the compounds as such and in complexes with complementary molecules, sophisticated instrumental techniques are used. Advanced nuclear magnetic resonance spectroscopy, mass spectrometry, X-ray diffraction, instruments for interaction analysis as well as computational techniques are applied to gain insight into the fundamental aspects of molecular recognition.

I hope that this Symposium will be successful and that it will be the inspiration for new collaborative efforts to tackle challenging problems in the field of bioactive molecules.

Prof.Dr. Hans Vliegthart, Research Director
Bijvoet Graduate School for Biomolecular Chemistry

The sponsoring of Prof.Dr. R.E. Hubbards' lecture by Akzo Nobel (Organon), Oss, is gratefully acknowledged.

CONCEPT PROGRAM

9.00 - 9.30 h	Coffee and Registration, hand-out of Abstracts
9.30 - 9.40 h	Welcome Prof.Dr. Hans Vliegthart
9.40 - 10.35 h	NMR spectrometry (Bijvoet lecture) Prof.Dr. Ivano Bertini, University of Florence, Italy "Solution Structure of Cytochromes and Fe-S Proteins: Hints for Understanding Molecular Recognition"
10.35 - 11.00 h	Coffee
11.00 - 11.55 h	Bio-organic Chemistry Dr. Serge Pérez, Centre de Recherches sur les Macromolécules Végétales, CNRS, Grenoble, France "Glycobiology and Molecular Engineering"
11.55 - 12.50 h	Medicinal Chemistry Prof.Dr. Dudley H. Williams, Cambridge Center for Molecular Recognition, Cambridge University, UK "Vancomycin Group Antibiotics and their activity against resistant bacteria"
12.55 - 13.55 h	Lunch
14.00 - 14.55 h	Mass Spectrometry Prof.Dr. Peter Roepstorff, University of Odense, Denmark "Lecture on mass spectrometry applied to biological problems, Title to be decided"
14.55 - 15.50 h	X-ray Crystallography (Organon lecture) Prof.Dr. Rod E. Hubbard, University of York, UK "The Structural Basis of Agonism and Antagonism in the Oestrogen Receptor"
15.50 - 16.00 h	Closing remarks Prof.Dr. Hans Kamerling
16.00 - 17.00 h	Get-together