



EUCHEM Conference on Stereochemistry Brunnen, Switzerland

'Bürgenstock Conference'

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26th ESF/Euchem Conference on Stereochemistry Bürgenstock, April 28 - May 4, 1991

President: **Helmut Ringsdorf**

	MONDAY – Moderator: R Scheffold
J-M Lehn	Helicate self-organisation – a double twisted stereochemistry
M Green	The peculiar stereochemistry of a helical macromolecular worm (short lecture)
H Kunz	Carbohydrates as carriers of chiral information in stereoselective synthesis
	POSTER Session – Moderator: M Hanack
	TUESDAY – Moderator: G Ourisson
R H Grubbs	Polymer synthesis with organometallic complexes
R Zentel	Functionalized liquid crystalline polymers: towards NLO applications and piezo sensors (short lecture)
A Pfaltz	Design of chiral ligands for enantioselective catalysis (short lecture)
K Müllen	Tailoring photochemical and electrochemical reactivity of conjugated π -systems: the macromolecular and supramolecular approach (short lecture)
Y Rubin	Novel allotropes of carbon (short lecture)
G M Whitesides	Molecular self-assembly in two and three dimensions
	WEDNESDAY – Moderator: A Maelicke
D Oesterhelt	A photochemical switch for ion translocation and optical information storage
E Kosower	A holistic approach to receptor and channel structure
F Vögtle	Guest selective molecular cavities: recognition and transport of nucleoside bases (short lecture)
	THURSDAY – Moderator: A Eschenmoser
S Benkovic	Enzymes and ABzymes
R Lerner	ABzymes and Enzymes
A Plückthun	Protein engineering for understanding antibody catalysis (short lecture)
D Hilvert	Repairing genetic defects with catalytic antibodies (short lecture)
G Fischer	Studies on the isomerization of the peptide bond (short lecture)
	FRIDAY – Moderator: J Sunamoto
R D Kornberg	Two-dimensional crystallization technique with applications to structure determination of RNA-polymerases
N Ise	Ultra-small angle scattering: a new method to study micron size fluctuations (short lecture)
H-J Güntherodt	STM and related techniques: imaging, spectroscopy, modification and manipulation on an atomic and molecular scale
J Frommer	STM and AFM imaging of ordered organic materials (short lecture)
	Moderator: K Müller
R J P Williams	Biological communication and biological crystal growth