

**SUPRAMOLECULAR CHEMISTRY:****Molecular Recognition from Biology to Materials**

MAINZ, GERMANY, 11-16 AUGUST 1994

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**SCOPE OF THE CONFERENCE**

Molecular recognition and molecular selforganization are the essential prerequisites for functional supramolecular systems in Nature. The cell membrane is one of the most perfect examples with a wide range of recognition processes inducing a number of essential membrane functions. 100 Years after the postulation of the speculative but ingenious Schloß-Schlüssel (lock-and-key) principle by Emil Fischer and in view of the modern developments in Biochemistry and Membrane Biology, it is timely to intensively look into the gap between Chemistry, Life Science, and Materials Science and to transfer biological concepts into synthetic models. The emphasis will be in chemical processes, but aspects of physical and especially biological recognition processes will also be presented in order to provide a broad basis for reflection and discussion (...). A poster session with short oral poster introductions will also be organized.

**TOPICS**

- Molecular recognition
- Selfreplication
- Biomembranes
- Supramolecular catalysis
- Selforganizing materials
- Neuronal networks and development biology
- Photomolecular devices and sensors

Number of participants will be limited to 100. The emphasis will be on discussion about new developments. There will be a Registration Fee covering full board and lodging. Some grants will be available for younger scientists, especially those from less favoured regions in Europe. Deadline for application: 3 months before the conference.

*For information and application forms, contact the Executive Director of the Programme:  
Dr Josip Hendekovic, European Science Foundation, 1 quai Lezay-Marnésia,  
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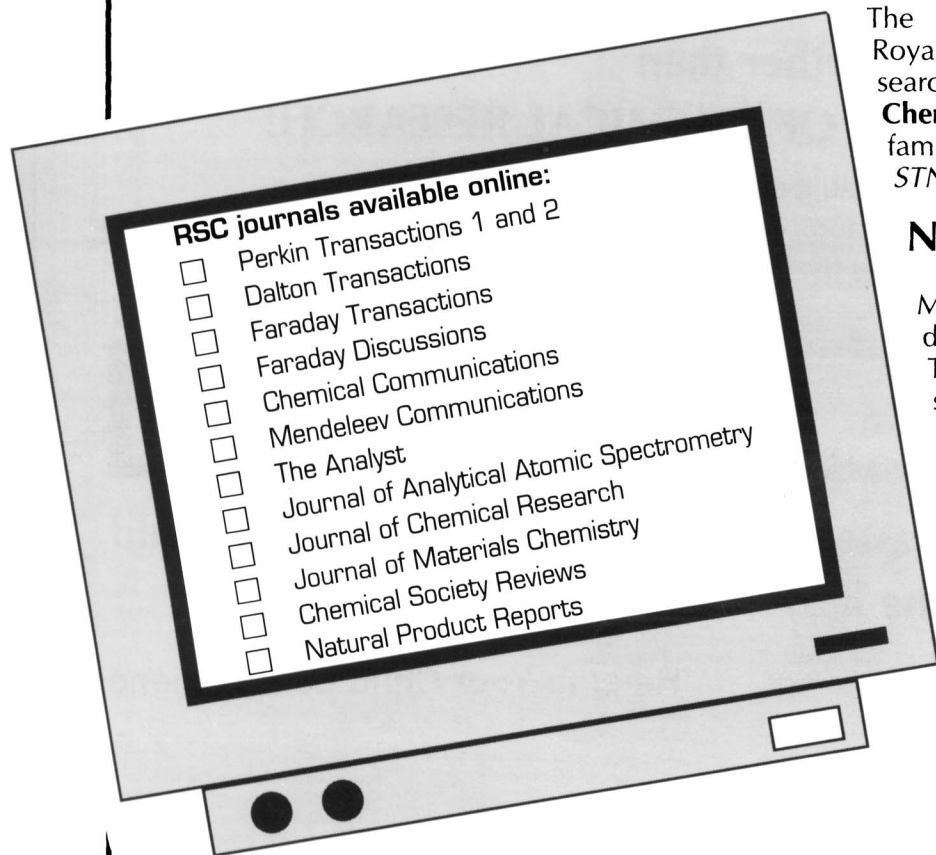
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