



ESF Research Conferences

A Programme of the European Science Foundation

Supramolecular Chemistry Molecular Architectures and Systems

Obernai (near Strasbourg), France, 14-19 October 2005

Chair: **M. Wais Hosseini** (Inst. Universitaire de France & Louis Pasteur U., Strasbourg, F)
Organising Committee: S. Ferlay, E. Graf & J.-M. Planeix (Louis Pasteur U., Strasbourg, F)

Invited speakers will include

Christer Aakeröy (Kansas State U., US)	Makoto Fujita (Tokyo U., J)	Robin Rogers (Alabama U., US)
Lia Addadi (Weizmann Institute, IL)	Andrew D. Hamilton (Yale U., US)	J.-Pierre Sauvage (ULP Strasbourg, F)
Vincenzo Balzani (Bologna U., I)	Chris Hunter (Sheffield U., UK)	Martin Schröder (Nottingham U., UK)
Peter Bäuerle (Ulm U., D)	Susumu Kitagawa (Kyoto U., J)	J. Fraser Stoddart (UCLA, US)
Lee Brammer (Sheffield U., UK)	Jean-Marie Lehn (ULP Strasbourg, F)	Sam Stupp (Northwestern U., US)
Jean-Claude Bünzli (EPFL, CH)	Jacques Livage (Jussieu U., F)	Fritz Vögtle (Bonn U., D)
Edwin D. Constable (Basel U., CH)	Klaus Müllen (MPIPR Mainz, D)	Mike D. Ward (Minnesota U., US)
Robert Corriu (Montpellier U., F)	Achim Müller (Bielefeld U., D)	Jim D. Wuest (Montreal U., CA)
Luisa De Cola (Münster U., D)	Guy Orpen (Bristol U., UK)	Mike Zaworotko (S. Florida U., US)
Javier De Mendoza (ICIQ, E)	Claude Piguet (Geneva U., CH)	Mladen Zinic (RBI Zagreb, HR)
Gautam Desiraju (Hyderabad U., IN)	Ken N. Raymond (Berkeley U., US)	
Gérard Ferey (Versailles U., F)	David Reinhoudt (Twente U., NL)	

Scope of the conference

Supramolecular chemistry started with the generation of complexes through the association of host and guest molecules. The fabulous expansion of this area permits us now to associate, by supramolecular synthesis, molecular complexes into architectures and systems. Supramolecular synthesis combined with self-assembly processes is a powerful method for the generation of complexity. The latter may be expressed at the structural level through the generation of complex architectures and/or at the functional level through the formation of complex systems performing specific functions. This conference will cover both aspects through lectures given by the most eminent actors in the area. The scope of the conference is diverse and open. Different aspects of organic, inorganic and biological supramolecular assemblies will be presented. In particular, the following topics will be presented: dynamic selection, organisation in space, molecular machines, giant architectures, catalysis in confined space, surface templated organisation, supramolecular events in ionic liquids, gels and crystals as supramolecular objects and molecular tectonics.

Five posters will be selected for short presentations and coupled with prizes (Université Louis Pasteur (ULP); Institut des Sciences et Ingénierie Supramoléculaires (ISIS), Institut Universitaire de France (IUF), CrystEngComm (RSC) and Cryst. Growth and Design (ACS).

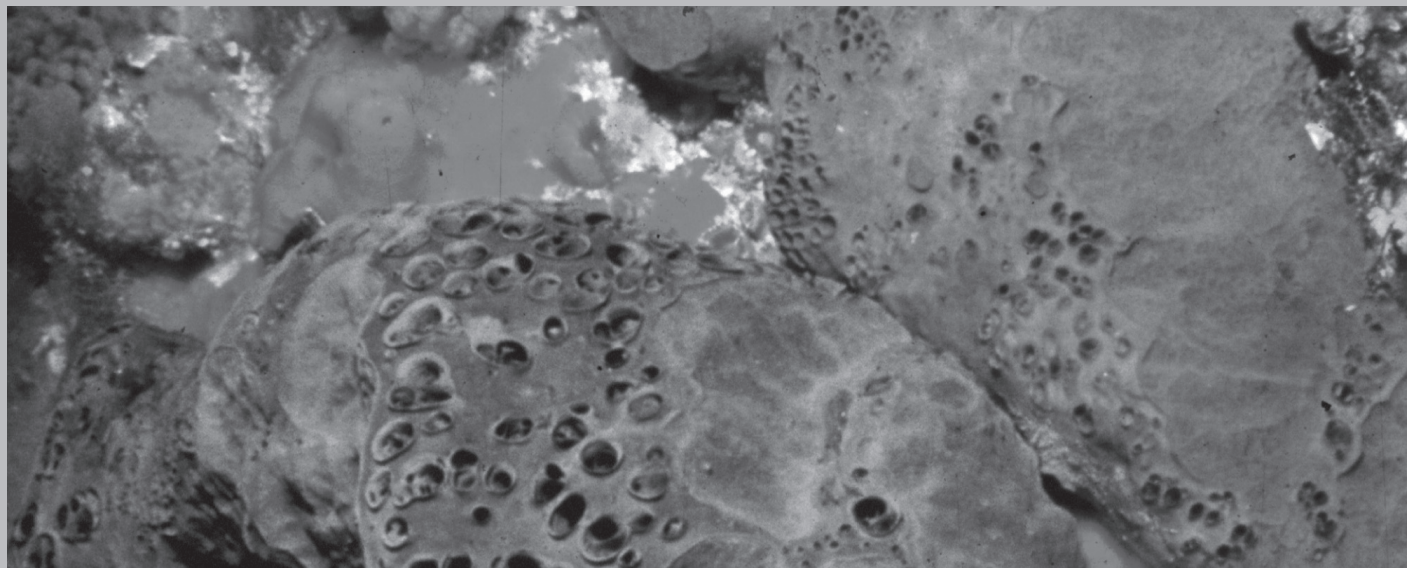
The conference is open to researchers world-wide, whether from industry or academia. Participation will be limited to about 150. The emphasis will be on discussion about new developments. The conference fee covers full board and lodging as well as the registration fee. A certain number of grants – covering the conference fee and possibly part of the travel expenses – will be available upon request.

Deadline for applications: 17 June 2005

Scientific Programme and on-line Application at: <http://www.esf.org/conferences/pc05020>

For further information, please contact:

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