

# 17th Thieme Lecture in Organic and Bioorganic Chemistry

## “Perspectives in Chemistry: From Supramolecular Chemistry towards Adaptive Chemistry”



### Prof. Dr. Jean-Marie Lehn – Nobel Laureate Université de Strasbourg

**Jean-Marie Lehn** was born in Rosheim, France in 1939. In 1970 he became Professor of Chemistry at the Université Louis Pasteur in Strasbourg and from 1979 to 2010 he was Professor at the Collège de France in Paris. He is presently Professor Emeritus at the University of Strasbourg. He shared the Nobel Prize in Chemistry in 1987 for his studies on the chemical basis of “molecular recognition” (i.e. the way in which a receptor molecule recognizes and selectively binds a substrate), which also plays a fundamental role in biological processes.

Over the years his work led him to the definition of a new field of chemistry, which he has proposed calling “supramolecular chemistry” as it deals with the complex entities formed by the association of two or more chemical species held together by non-covalent intermolecular forces, whereas molecular chemistry concerns the entities constructed from atoms linked by covalent bonds. Subsequently, the area developed into the chemistry of „self-organization“ processes and more recently towards „adaptive chemistry“, dynamic networks and complex systems.

Author of more than 900 scientific publications, Lehn is a member of many academies and institutions. He has received numerous international honours and awards.

#### Publications (selection)

J.-M. LEHN, “From supramolecular chemistry towards constitutional dynamic chemistry and adaptive chemistry”, **Chem. Soc. Rev.**, 36, 151-160, 2007.

J.-M. LEHN, “Toward complex matter: Supramolecular chemistry and self-organization”, **Proc. Natl. Acad. Sci. USA**, 99, 4763-4768, 2002.

J.-M. LEHN, “Toward self-organization and complex matter”, **Science**, 295, 2400-2403, 2002.

J.-M. LEHN, “Supramolecular chemistry - Scope and perspectives. Molecules, supermolecules, and molecular devices”, (Nobel Lecture, 8.12.1987), **Angew. Chem. Int. Ed. Engl.**, 27, 89, 1988.

---

## 17. Tag der Organischen Chemie, 11. Oktober 2013

9:00–12:30 Uhr sowie 14:00–17:00 Uhr	Vorträge von Doktoranden der Universität Stuttgart und Nachbaruniversitäten, Hörsaal V 55.02
17:30 Uhr	Grußwort: Dr. Guido F. Herrmann, Georg Thieme Verlag, Stuttgart Prof. Clemens Richert, Institut für Organische Chemie, Universität Stuttgart
17:45 Uhr	Prof. Dr. Jean-Marie Lehn, Université de Strasbourg “Perspectives in Chemistry: From Supramolecular Chemistry towards Adaptive Chemistry”
19:00 Uhr	Abend-Büfett und Nachsitzung (Vorankündigung für Nicht-Vortragende erforderlich) Internationales Begegnungszentrum der Universität Stuttgart, Robert-Leicht-Str. 161, 70569 Stuttgart