

From Matter to Life: Chemistry? Chemistry!

by

Jean-Marie LEHN

1987 Nobel Laureate in Chemistry

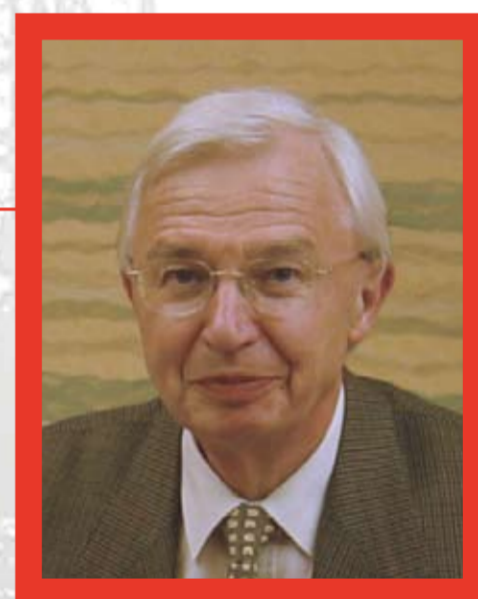
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Abstract: Animate as well as inanimate matter, living organisms as well as materials, are formed of molecules and of the organized entities resulting from the interaction of molecules with each other.

Chemistry provides the bridge between the molecules of inanimate matter and the highly complex molecular architectures and systems which make up living organisms. Synthetic chemistry has developed a very powerful set of methods for constructing ever more complex molecules. Supramolecular chemistry seeks to control the formation of molecular assembly by means of the interactions between the partners. The designed generation of organized architectures requires the handling of information at the molecular level in a sort of molecular programming, thus also linking chemistry with information science. The field of chemistry is the universe of all possible entities and transformations of molecular matter, of which those actually realized in nature represent just one world among all the worlds that await to be created.

Date: Tuesday, 30 October 2007
Time: 5:00pm
Venue: Multi-media Conference Room
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(Lift 12),
City University of Hong Kong
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*Professor Jean-Marie Lehn will also present a series of lectures on
Supramolecular Chemistry: From Molecular Recognition towards
Self-Organization in the Department of Biology and Chemistry,
City University of Hong Kong, on 30 and 31 October 2007.*

All are Welcome