

Scuola di Dottorato in Scienze e Tecnologie Chimiche e Farmaceutiche

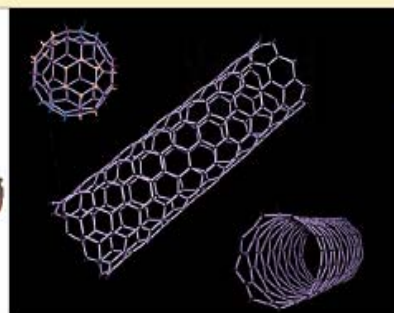
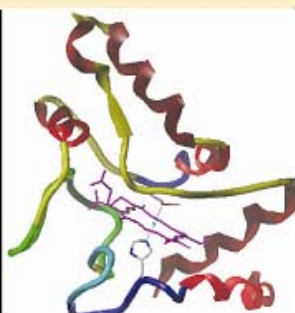
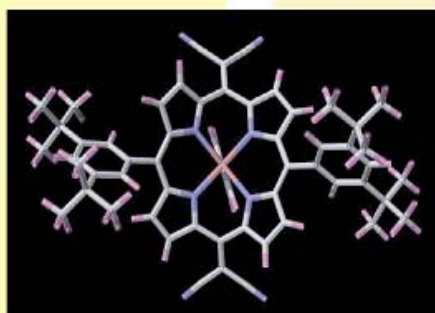
**Nell'ambito dei seminari organizzati dalla Scuola di
Dottorato in Scienze e Tecnologie Chimiche e
Farmaceutiche, il**

**Prof. Alceo Macchioni
Dipartimento di Chimica
Università di Perugia**

terrà un seminario didattico dal titolo:

NMR Techniques for Investigating the Supramolecular Structure in Solution

**Giovedì 17 settembre ore 10.30 – 13.00
aula 2B, edificio H3**



NMR Techniques for Investigating the Supramolecular Structure in Solution

Alceo Macchioni

Dipartimento di Chimica, Università degli Studi di Perugia

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The lecture will be organized in three sections. In the first section, some important examples of structure and/or reactivity alterations due to interactions occurring in the second coordination sphere will be presented. In the second section, the NMR techniques for investigating the supramolecular structure will be described. Particularly, two classes of experiments will be taken into account: those based on the detection of intermolecular nuclear dipolar interactions (mainly NOE) and those that allow the translational self-diffusion coefficients (diffusion NMR) and, consequently, molecular dimensions, to be determined. In the third section, some practical examples of application of the discussed NMR techniques will be presented.