



CYCLE DE CONFÉRENCES DE CHIMIE

*Avec le concours de : Manufacture Française des Pneumatiques MICHELIN
Ecole Nationale Supérieure de Chimie de Clermont-Ferrand
Institut de Chimie de Clermont-Ferrand (ICCF UMR 6296)
U.F.R.S.T. / Master de Chimie / Département de Chimie*

Jeudi 22 Mars 2012 à 14h (Hors cycle)

Amphi de Chimie Paul REMI - (Site des Cézeaux)

Pr. LU-YUN LIAN

NMR Centre for Structural Biology, université de Liverpool

Design of Protein Inhibitors and the Role of NMR

Cellular PDZ proteins are becoming common targets for viruses. This makes PDZ domains potential proteins against which to design specific inhibitors. The presentation will centre around the techniques used to obtain quantitative and structural information as part of the early process for the design of inhibitors against protein interactions mediated by the PDZ domains. The NMR and isothermal titration calorimetry methods are used in combination to obtain the thermodynamics of weak binding and the structure of protein-ligand complexes.