



UNIVERSITÉ BLAISE PASCAL
U.F.R de Recherche Scientifique et Technique



CYCLE DE CONFÉRENCES DE CHIMIE

*Avec le concours de : Manufacture Française des Pneumatiques Michelin
Centre de Développement Préclinique, Schering-Plough
Fédération de Chimie (FR2404)
Section Auvergne de la Société Française de Chimie
U.F.R.S.T. / Master de Chimie / Département de Chimie*

Mercredi 30 Novembre 2011 à 16h

Salle C du Bâtiment de Chimie - (Site des Cézeaux)

Pr. JOHN D HOLBREY

*The QUILL Research Centre, School of Chemistry and Chemical Engineering, The Queen's
University of Belfast, Northern Ireland, UK*

Ionic Liquids: may you live in interesting times

Ionic liquids can be notoriously difficult to work with: they can be air- and water-sensitive, there are many issues with purity, physical properties, cost *etc.* However, there are many positive aspects, not least that this intrinsically interesting class of materials may change the way in which chemical processes are performed by offering new, or novel, property sets and by encouraging scientists and engineers to consider new, or novel, approaches to problem solving.

In the context of using ionic liquids as interesting solutions for challenging problems, dissolution of cellulosic biomass in ionic liquids and the use of combined experimental techniques (NMR spectroscopy, neutron scattering, and MD simulation) to probe the solvation process will be discussed, leading to the greater understanding of the design features needed to create better ionic liquid solvents for recalcitrant biopolymers.

Coordinatrice : Christine MOUSTY, LMI UMR UBP-CNRS 6002

24, avenue des Landais, BP 80026 63171 Aubière cedex-France ☎ 33 473 407 598– fax : 33 473 407 108
courriel : Christine.Mousty@univ-bpclermont.fr