

CBIMMS Invited Seminar

“From Three Dimensions to Two: Chemistry and Biology at Interfaces”

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Abstract

A wide range of chemical and biological events take place at interfaces. The study of these activities, particularly for biologically relevant interfaces, requires the development of surface chemistries to prepare model substrates. This talk will describe a surface chemistry approach to tailor substrates with proteins, peptides and carbohydrates. The approach permits the densities and patterns of ligands to be defined, and offers dynamic control over the activities of ligands. Examples will be described for substrates used in cell migration, biochips and chemical screening.