

【Abstract of 2008 Grant – in – Aid for Scientific Research on Innovative Areas
(Research in a proposed research area)】

Title of project	Molecular Soft-Interface Science
Head Investigator Name	Mizuo Maeda
Abstract of Research Project	Polymers, liquid crystals, colloids, amphiphilic molecules, and biological macromolecules form soft interfaces. Physicochemical features of soft interfaces control various functional properties such as wetting, adhesion, biocompatibility, tribology and electrical properties. However, the relationships between interfacial chemistry and functional properties of soft interfaces have not been clarified yet. In this project, the precise control of chemistry of soft interfaces and characterization of soft interfaces as well as novel functional properties of soft interfaces will be studied .intensively and cooperatively. The promotion of this research is expected to contribute greatly to the molecular science of soft interfaces and to provide new opportunities for biomaterials and biodevices.
Term of Project: 2008–2012	