



Centre for Nanoscience and Nanotechnology

Ph.D. Projects in 2006

Nanostructured Interfaces and Materials Group

Controlled Macromolecular Architectures for Functional Nanomaterials Design

We are seeking highly motivated and creative scientists to work on nanostructured thin films and colloid surface modification. The projects involve the assembly, characterisation and application of novel water-soluble macromolecules to planar and colloidal supports. Techniques including quartz crystal microgravimetry, atomic force microscopy, surface plasmon resonance spectroscopy, microelectrophoresis and electron microscopy will be used to examine the materials prepared.

The projects will be conducted at the Centre for Nanoscience and Nanotechnology, The University of Melbourne, in collaboration with the Centre for Advanced Macromolecular Design at UNSW. Interstate travel may be required. Funding is available immediately. An undergraduate degree in chemistry, chemical engineering, biochemistry or materials science is required.

Candidates interested in working in this dynamic area, and who would like to be engaged in interdisciplinary research in an international team should send an application, including curriculum vitae, and names and addresses of three referees to:

Professor Frank Caruso

Department of Chemical and Biomolecular Engineering
The University of Melbourne
Parkville 3010, Victoria
Australia
Email: fcarus@unimelb.edu.au

