



**Department of Chemical and Biomolecular Engineering and  
Centre for Nanoscience and Nanotechnology (CNST)  
The University of Melbourne**

*Three PhD Scholarships*

Nanobiotechnology will play an important role for both industry and society in the future. The development of advanced nanomaterials is vital to this cause, with such materials holding promise for drug delivery, tissue engineering, advanced electronic and optical devices, as well as for membrane separations, sensors and patterning. There has been rapid, world-wide growth and progress in this exciting and challenging field.

The award of an ARC Federation Fellowship to Professor Frank Caruso has enabled new research opportunities in nanobiotechnology. Research projects include targeted drug delivery, novel MRI contrast materials, engineered biochemical microreactors, mesoporous materials and polymer nanostructures. These projects will be conducted in collaboration with leading biomedical institutes in Melbourne, including the Ludwig Institute for Cancer Research, the Baker Heart Medical Research Institute, the Bionic Ear Institute, and the Austin Hospital.

Applications are invited for Ph.D. scholarships. Applicants should have completed a degree in chemistry, physics, materials science, biology, chemical engineering or a related discipline. Applicants will also need to have excellent communication and presentation skills and the ability to work well as part of a team. A capacity to show initiative and work independently when necessary is also highly regarded. Challenging and innovative projects will be designed with successful applicants.

Highly motivated candidates interested in working in this dynamic area, and who would like to be engaged in interdisciplinary research in an international team should send applications to: Professor Frank Caruso, CNST, Department of Chemical and Biomolecular Engineering, The University of Melbourne, Victoria 3010, Australia.

Your application should include your curriculum vitae (with an academic record) and details of at least two referees, including their names, addresses and contact telephone numbers.

Further information:

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Closing date for applications: 31 July 2007