

Special Session for Biomolecule Discovery

This special session considers how IT technology can assist biomedical scientists in the annotation of the functions of biomolecules, for example via:

- Functional discovery of novel proteins via Phylogenetics based approaches
- Molecular interaction via computational simulation techniques
- Mechanism study of chemical compounds through integrated databases or novel computational approaches

Papers on novel biomolecule identification; biomolecular modeling; Phylogenetics; and the management of biological databases in relation to studies of biomolecules are welcomed in this session. Moreover, papers discussing techniques to find compounds interacting with biomolecules with structural diversity as starting points for medicinal chemistry, or novel molecular field technologies in relation to drug discovery are particularly welcomed. As many drug candidates are withdrawn because of unforeseen toxic effects on human metabolism, and since the elimination of such compounds early in drug discovery is one of the biggest challenges facing biomedical researchers today, research that has the potential to capture adverse and toxic effects of lead compounds (Toxicogenomics) is also of interest to this special session.

A refereed paper will appear in one of the approved publications by the conference date:

Journal of Biomedicine and Biotechnology: A special issue of this journal is fully agreed *open to conference participants only* to accommodate a good number of high quality papers from the best accepted in RC4I and MWP for review. Appears by the conference date and details are in the conference pages (open access with I.F. 1.8 in SCIE).

IEEE Conference Proceedings: high quality proceedings for FBIT

Important Dates:

Paper Submission Deadline 25 June 2007

(click for [LaTeX](#) or [Word](#) style files)

Advance Registration Deadline 15 August 2007

Notification of Acceptance 10 July 2007

Final Program Announced 15 September 2007

Send your paper directly to the Special Session Organizer:

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