

2013 IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology (IEEE CIBCB 2013)

Special Session on Bioinformatics in Drug Discovery (BIDD)

It is very well accepted fact that Bioinformatics now plays a key role in Modern drug discovery and it cuts enormous time frame and funding required in the processes of drug reaching to the market. Modern tools in Bioinformatics and Structure based drug discovery have now enabled the Insilco studies of the crucial steps like weeding out the bad leads early in the process, positive lead screening, stability, toxicity prediction, bioavailability studies etc. This special session is dedicated to bring together the Bioinformaticians, Pharma professionals and Computational Biology Researchers and professions on a common platform to discuss the emerging challenges, problems and achievements into this field of developing algorithms and softwares, databases, target identification, Protein modeling, Protein function prediction, Binding site analysis, Protein drug complexes, Biomarkers Research Docking etc.

We invite the papers from the following domains but not restricted to:

Bioinformatics
Structural Bioinformatics in Drug Discovery
Medical Informatics
Pharmacoinformatics
Computational Intelligence techniques in Drug Research
Chemioinformtics
Structure based drug design
Molecular Docking Studies
Protein Structure and function prediction
Lead optimization and Binding site Analysis

The organizers of this special session solicit high-quality papers of original research papers that have not been published elsewhere and are not under consideration for publication elsewhere. All papers will be rigorously reviewed by at least 3 reviewers. Accepted papers will be published in the CIBCB 2013 proceedings (with ISBN number), included in the IEEE Xplore digital library, and indexed by EI/Compendex.

Organizer

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