

Indo-US International Workshop

in collaboration with

Biology in silico : Bioinformatics resources for Health Sciences Research

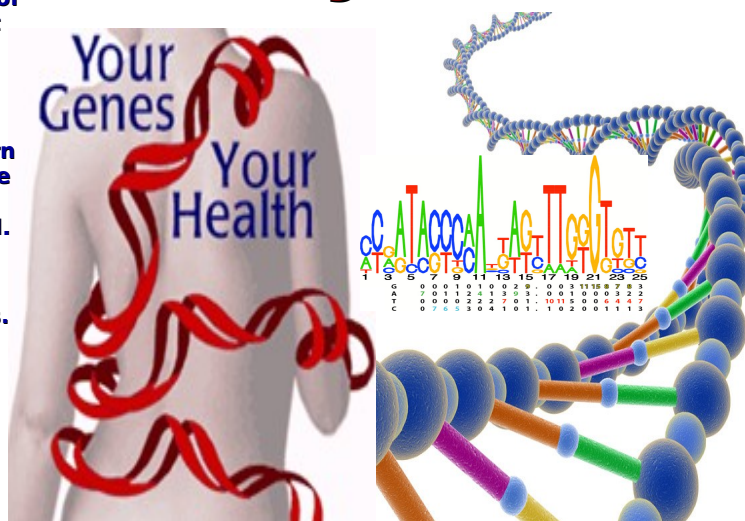
The Workshop



Health Sciences Library System
Serving the University of Pittsburgh and UPMC

Theme of the Workshop
[10 am - 5 pm]

August 9, 2011



The primary goal of bioinformatics is to increase the understanding of biological processes. What sets it apart from other approaches, however, is its focus on developing and applying computationally intensive techniques (e.g., pattern recognition, data mining, machine learning algorithms, and visualization) to achieve this goal.

Participants of Workshop can know accessing online resources. The Practical knowledge gained through this workshop will help them in enhancing their skills in utilizing tools for their application in basic and industrial research and employment potential.

Registration Fee

Rs. 500/- (Five hundred fifty only) per participant. The Registration Fee includes Lectures / Stationary / Presentation CD /Certificate / Lunch and Tea. Fee is to be paid by Cash only.

Registration to Dr Sudipa Chakravarty on or before **2nd August, 2011.**

Venue : Seminar Hall, IGMGS



Institute of Genetic Medicine & Genomic Science (IGMGS)

(Affiliated to West Bengal University of Health Sciences)

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Session I : Literature Informatics

- * Use of MeSH term in formulating PubMed queries
- * NextGen literature mining tools: GoPubMed, etBlast, IHOP, HuGE Navigator
- * Life Sciences Search Engine: "Search.HLS.MolBio", "OreFil"

Session 2 : Genome Biology Resources

- * NCBI Entrez Genome
- * JGI Integrated Microbial Genome
- * UCSC Genome Bioinformatics

Session 3 : Navigating the Human Genome

- * UCSC Genome Browser
- * The ENCODE Project : ENCYclopedia Of DNA Elements
- * UCSC Table Browser
- * NCBI Mapviewer

Session 4 : Locating Gene/Protein Information

- * NCBI Bioinformatics Resources: Entrez Gene, Genbank, Refseq,
- * EBI Resources: Uniprot, Pfam,
- * Protein Structure Tools: PDB, MMDB, Cn3D
- * Search Tools for a List of Genes: NIH DAVID, STRING, FLink

Course Co-ordinators :
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