



Regional Student Group – India

“... Your local window to global opportunities.”

Affiliated to the Student Council of International Society for Computational Biology (ISCB)

CONNECT

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“Write to be understood, speak to be heard, read to grow...” ~ Lawrence Clark Powell(1906-2001)

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We are back with the new edition of ‘Connect’ for all of our readers. In this edition we give you a glance into our ‘Top 10 posts of the month’ and the ‘Workshop on Genomics and Drug discovery Techniques’ conducted in collaboration with **Biodiscovery Solutions** at **graVITas'12** under our Outreach Initiatives. We conclude this edition by briefing about **SNPTrack** as our tool of the month, and detailing out the **DAVID** database under our **Bioinnovations** section

RSG-India's Initiatives – Spanning our wings...



RSG-India organized 2 days' Workshop on ‘Drug discovery and Genomics’ on 14th to 15th September 2012. The workshop was conducted in collaboration with **Biodiscovery Solutions**, a private contract research organization. The workshop aimed to provide the basic concepts and hands-on-training on various attributes of drug designing such as virtual screening, in-silico screening, ADMET screening, molecular docking and structure-based drug designing and then discussed about the Genomics, DNA fingerprinting, Human Genome Project, ENCODE and gene delivery systems Certificates of Participation were distributed by **Dr. Ifthikar Aslam Tayubi**. The overall feedback from the participants was excellent, encouraging us to conduct such workshops in the near future.



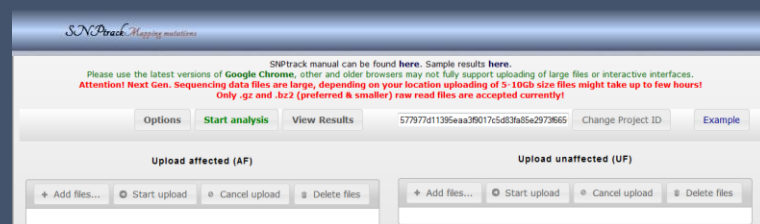
TOP 10 POSTS ON THE MESSAGE BOARD

- 1.[Opening]:EMBL International Phd Programme
- 2.[Conference]:-New Model Systems for Linking Evolution and Ecology
- 3.[MISC] - Summer Internship fellowship programme through Indian Academy of Sciences
- 4.[Misc]:EBI Launches COSMOS Initiative to Standardize Metabolomics Data Sharing
- 5[FELLOWSHIP] PhD fellowship in RNA Bioinformatics

- 6.[Event]:Bioinformatics 2013,Barcelona,Spain
7. [MISC]:Math adds new weapon in fight against pandemics
- 8.[CONFERENCE]: International Conference on Biomolecular Forms and Functions
- 9.[OPENING]Bioinformatician Researcher
- 10.[OPENING]Postdoctoral Medical Bioinformatician

Tool of the Month: SNPTrack

SNPTrack is a pipeline for processing Next Generation Sequencing Data targeted at elucidation of phenotype causing mutations by identifying phenotypically derived regions in the organism's genome (e.g. Zebrafish, Mouse, C.elegans, Drosophila...). Designed to be used mainly by general scientific audience with no bioinformatics knowledge required.



Bio-Innovation - ‘DAVID’

DAVID (the Database for Annotation, Visualization and Integrated Discovery) is a free online bioinformatics resource developed by the **Laboratory of Immunopathogenesis and Bioinformatics**. **DAVID** now provides a comprehensive set of functional annotation tools for investigators to understand biological meaning behind large list of genes. For any given gene list, **DAVID** tools are able to: “Identify enriched biological themes, Visualize genes on BioCarta & KEGG pathway maps, Highlight protein functional domains and motifs, Link gene-disease associations”.

DAVID Bioinformatics Resources 6.7
National Institute of Allergy and Infectious Diseases (NIAID), NIH

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