

CURRENT TRENDS IN BIOINFORMATICS
April 04, 2009, Seminar Hall, CIIT Permanent Campus,
Chak Shehzad, Islamabad

PROGRAMME

Recitation from Holy Quran	10:00
Welcome Address by Dr. Fauzia Yusuf, HoD	10:10
"Bioinformatics at COMSATS IIT" by Prof. Dr. Shahid N. Chohan, Chairman	10:20
Biosciences, CIIT, Islamabad	
Bioinformatics Workflow Systems and Analysis by Ayesha Saeed Khan	10:40
Analysis of Glycosyltransferases and patterns of Glycosylation in Prokaryotic and Eukaryotic Models by Syed Muhammad Tabish Ali	10:50
Tea	11:00
"Expression Optimization and Construction of Synthetic Gene: A Bioinformatics Approach" by Dr. Aftab Bashir, Principle Scientist, NIBGE, Faisalabad	11:30
HMTV, MMTV and HERV-K in silico analysis: HMTV is Exogenous and has close Genetic relationship with MMTV by Arshan Nasir	12:00

STRUCTURAL BIOINFORMATICS

"Computational Techniques giving insights into Protein Active Site & Drug Designing" by Dr. UMAR Niazi, Assistant Professor, NUST, Islamabad	12:10
Molecular and structural dynamics of HIV-1 isolates spreading worldwide: VPU is a hotspot of selected HIV mutations by Waqar Ahmed	12:40
Structure Prediction of Wild-Type Human MTHFR, Comparison with Mutants and MD Simulation of the Final Model by Khuram Shahzad	12:50

COMPUTATIONAL BIOLOGY

"Peaknovo: Case study in modeling biological problems using bioinformatics for research." by Mr. Nazim Rahman, Assistant Professor, CIIT, Islamabad	13:00
Prediction of Poly (A) Sites in Human Genome: A new Tool & Application by Malik Nadeem Akhter	13:20
Clust-PK: A Windows-based Cluster Analysis Tool – Masood ur Rehman Kayani	13:30

EPIDEMICS AND DISEASES

GDP: Genetic Disease Database of Pakistan by Saman Majeed	13:40
Dynamics of urban and rural breast cancer spread in Pakistan: from epidemiological profile to inference by Amnah Siddiqah	13:50
Certificate Distribution	14:00
Symposium Summary by Dr. Yusuf Zafar T.I.	14:10
Project Director, NIGAB, Islamabad	
Vote of Thanks by Prof. Dr. S. A. Mufti, Advisor, CIIT, Islamabad	14:25