The Lorry I. Lokey Interdisciplinary Center for Life Sciences and Engineering
המרכז הבין תחומי למדעי החיים וההנדסה ע"ש לורי לוקי

Structural Bioinformatics Workshop

Predicting Function from Protein Structures

Date & time: ***Thursday, April 12th, 2007, 9:30 – 14:00***
Location : ***Coler Visitors Center, Technion City, Haifa***
(hands-on – Biotechnology & Food Eng. Computer Farm)

Lectures ***- Coler Visitors Center***
9:30 – 9:45 Registration
9:45 – 9:50 Opening remarks
Ron Pinter, The Lokey Center & Department of Computer Science, Technion
9:50-10:00 Introduction
Fabian Glaser, Bioinformatics Knowledge Unit, The Lokey Center, Technion.
10:00-10:30 Predicting RNA-Binding Proteins from Structure
Shula Shazman, Department of Biology, Technion
10:30-10:45 ***Coffee break***
10:45-11:15 Tools for the identification of functional regions in proteins
Fabian Glaser, Bioinformatics Knowledge Unit, The Lokey Center, Technion.
11:15-11:45 Inferring protein-protein interaction sites using combinatorial phage display libraries
Itay Meyrose, Department of Cell Biology and Immunology, Tel Aviv University
11:45-12:15 Identification of protein functionalities outside the active site in crystal structures and molecular models
Noam Adir, Department of Chemistry, Technion

Hands-on session ***- Biotechnology & Food Engineering Computer farm***
13:00-13:15 The Pepitope / PepSurf server for predicting discontinuous epitopes based on affinity-selected peptides, *Itay Meyrose*
13:15-13:30 The PatchFinderPlus server, a tool for extracting and displaying continuous electrostatic positive patches on protein surfaces, *Shula Shazman*
13:30-14:00 The ConSurf server, a web server for the identification of functionality in proteins and additional services, *Fabian Glaser*

To register please send your name, e-mail, telephone number and laboratory/faculty to *Dr. Fabian Glaser* <*fglaser@tx.technion.ac.il*>. Please indicate whether you are interested in participating in the hands-on session.

This workshop is organized and sponsored by the Technion Bioinformatics Knowledge Unit (BKU) of The Lorry I. Lokey Interdisciplinary Center for Life Sciences and Engineering.