

Joint Center for Structural Genomics



High-throughput determination of novel protein structures using X-ray crystallography Joint Center for Structural Genomics Developing HT methods for Gene to Structure and Function





JCSG

Joint Center for Structural Genomics Developing HT methods for Gene to Structure and Function





JCSG

Joint Center for Structural Genomics Developing HT methods for Gene to Structure and Function







Derived data (3D coordinates+structure factors) are deposited in the Protein Data Bank @ <u>www.rcsb.org</u>





Scientific highlights in journals or "published" on wiki-based platform @ www.topsan.org



A paper on TOPSAN, entitled: "TOPSAN: a dynamic web database for structural genomics" will be featured in the Nucleic Acids Research upcoming database issue. One of the main points of this paper is the many efforts to make TOPSAN data more accessible. These efforts include providing TOPSAN articles for bulk



Subset of processed data uploaded to JCSG Oracle database @ www.jcsg.org





What's needed?

Develop a more hollistic approach to managing raw experimental data

Provide immediate and long-term archival of datasets

Disseminate unusable datasets to methods developers

Disseminate raw data sooner to collaborators

Prepare for new experimental capabilities (faster detectors)

Develop a model that could be adopted by the broader SSRL user community