Proteins: from sequence to structure and function

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Loctree2 predicts subcellular localization of proteins

2013 Nobel prize in medicine
Awarded to James E. Rothman, Randy W. Schekman and Thomas C. Südhof

Point Mutations - SNPs
SNP = Single Nucleotide Polymorphism
Non-synonymous SNPs cause a change in the protein sequence

SNAP2 predicts mutability landscape of functional effects

Disorder in Proteins

Protein structure prediction from evolutionary sequence variation

Protein-Protein Interaction
Prediction of protein-protein interaction surfaces

Analysis of virus-host networks

Aquaria
http://aquaria.ws

Predict Protein
www.predictprotein.org