Exploring binding site of human RBP4 towards discovery of novel inhibitor for treatment of cardiovascular diseases

C. Lakshmi Narayana Rao*, L. Raziya Beevi and Amineni Umamaheswari**

Bioinformatics Centre, Department of Bioinformatics, SVIMS University, Tirupati. PIN - 517507.

*Presenting Author, **Corresponding Author, Email: svims.btisnet@nic.in

- Retinol Binding Protein 4 (RBP4) is a family of Lipocalin. It is the specific carrier of vitamin-A in plasma.
- Increased levels of serum RBP4 led to impaired glucose levels by liver, that leads to cardiovascular diseases.

Materials and Methods

Results and Discussion

Fig.1: Crystal structure of human RBP4 protein with oleic acid

Fig.2: Comparison of XPG Scores of leads with two published inhibitors