



### **Trainee/Junior Research Associate (Protein Crystallization)**

1. Protein Crystallization
2. Protein – ligand binding optimization for Co-crystal structures
3. Thermal shift assay for analyzing protein stability and ligand binding screening for proteins
4. Protein crystal mounting and X-Ray diffraction studies using In house X-ray Diffractometer & for Synchrotron shipment
5. X-Ray Diffraction Data collection, reduction, Structure solution and Protein Structure Refinement
6. Protein Model Correction & Ligand Fitting
7. Protein structure analysis
8. Data mining / Literature survey from public domains / Research articles & publications for drug discovery target studies – Construct design for recombinant protein production

Candidate preferably with prior knowledge (beginner / expertise) in the related aspects would be beneficial, at least with the below:

1. Understanding Protein Structures
1. Crystallization of proteins
2. Exposure to Protein X-Ray Crystal structure refinement
3. Basic computer handling – MS Office tools, Linux OS
4. Bioinformatics tools

Candidate should show interest in learning new concepts, adaptability, team work and application of knowledge.

Share your resumes to C S Trupti: [cs.trupti@jubilantbiosys.com](mailto:cs.trupti@jubilantbiosys.com)

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