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Research area: Structural biology

Brief Profile

Dr. Rohit Kumar Singh is an Assistant Professor in the department of biotechnology at CUH. He holds his Doctorate in Biophysics from Jawaharlal Nehru University, New Delhi. After completing his Graduation in Science (B.Sc. in life Sciences), He did his Post-Graduation in Biotechnology from Himanchal Pradesh University, Shimla. During his Ph.D. tenure, he has successfully carved a niche in the field of structural biology and biophysics. He has performed and gained expertise in cloning, site directed mutagenesis, protein expression, purification, enzymatic characterization, drug inhibition assays, circular dichroism (CD), Isothermal titration calorimetry (ITC) and X-ray crystallography (XRD). He has been successful crystallized and structure solution of a number of proteins and protein-ligand complexes. He has extensive hands-on experience with data collection at home source (Advanced instrumentation research facility, JNU and National Institute of Immunology in India) and at European Synchrotron Radiation Facility (ESRF), BM14, Grenoble, France.