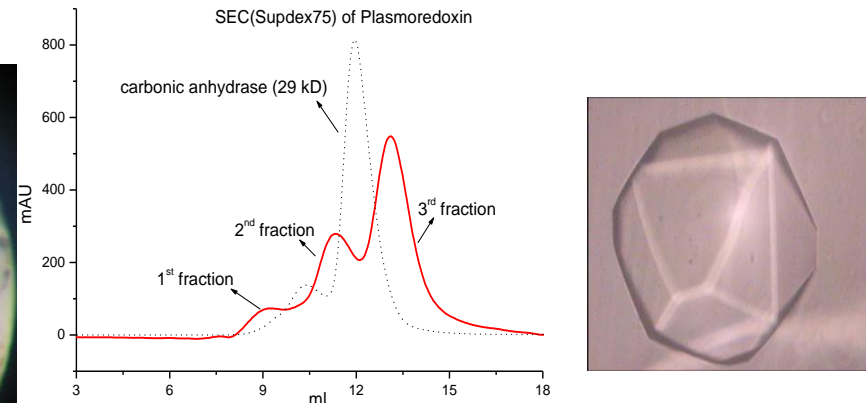
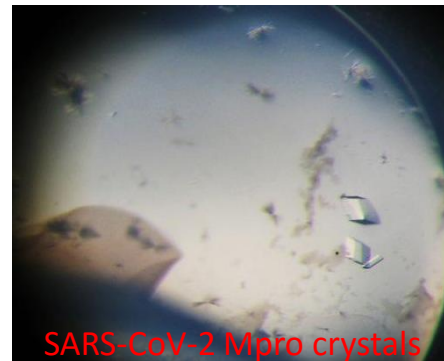
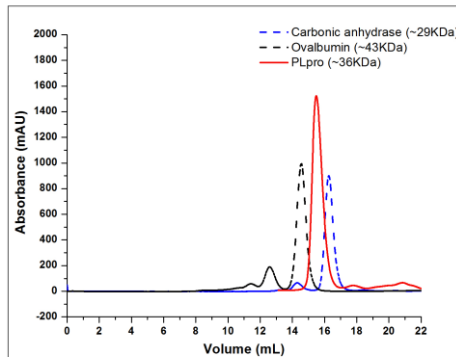
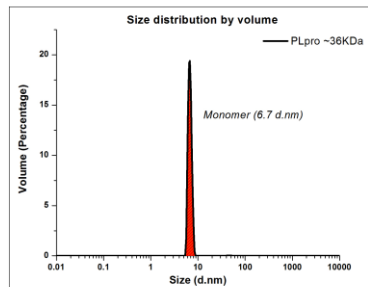


Understanding biology at the molecular level

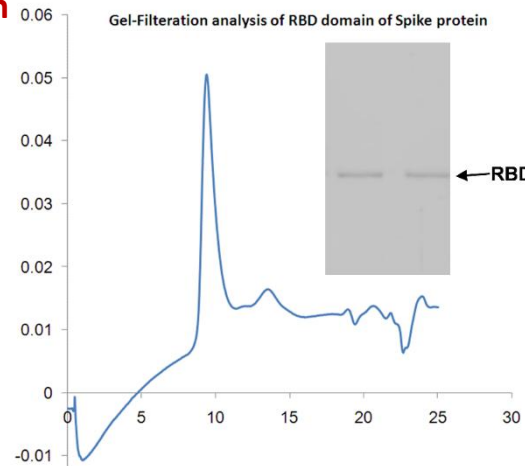
The current focus of the structural biology research at BARC is to understand the functioning of the major drug targets related to HIV/AIDS, cancer, malaria and COVID-19 using multi-disciplinary approaches, including crystallography, solution scattering techniques, biochemical & biophysical methods and computational approaches. The ultimate objective is to utilize the structural knowledge for rational drug discovery. Another area of focus is to do engineering of proteins for potential biotechnological applications.



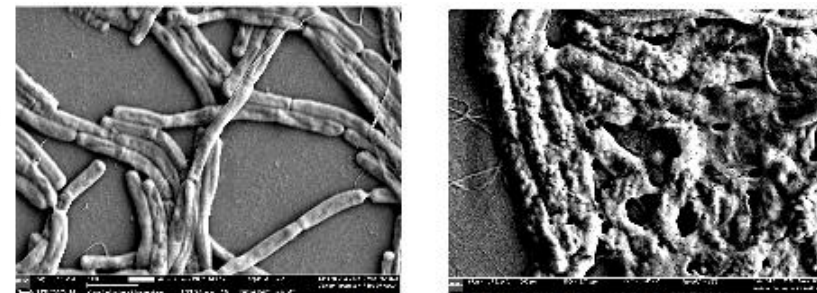
SARS-CoV-2 PLpro Purification



SARS-CoV-2 PLpro Dynamic Light Scattering



Purification and Crystallization of Plasmoredoxin from Plasmodium



Control vs MitoC treated cell