Tata Institute of Fundamental Research
Survey No. 36/P, Gopanpally Village, Serilingampally, Ranga Reddy Dist., Hyderabad – 500 046

Students' Annual Seminar

Designing hydrophilic linkers to stabilise protein secondary and tertiary structure

Arighna Sarkar

Peptidomimetic drugs have the potential to inhibit many disease related protein-protein interactions (PPIs), some of which are termed "undruggable" because of their complex nature. "Macrocyclisation" technique serves as a robust method to increase a peptide's therapeutic efficacy. In this talk, I will discuss about the efforts undertaken to stabilise protein secondary and tertiary structure using novel hydrophilic linkers (by macrocyclisation) to form effective proteomimetic therapeutics with the ultimate aim to disrupt the important and challenging SARS-CoV-2 protein protein interaction.

Friday, Feb 23rd 2024

14:00 Hrs (Tea / Coffee 13:45 Hrs)

CR4, TIFR-H