

Seminar

Small protein domain affinity reagents for cancer imaging and therapy

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Protein-protein interactions (PPIs) play an important role in cell signaling and homeostasis. Aberrant signaling, due to overexpression or knockdown of certain proteins, leads to disease. The ability to modulate existing protein interactions or to generate de novo protein interactions has immense potential in both basic and translational cancer research. Several synthetic biologic drugs, antibodies and recombinant proteins, that target cancer biomarkers are being used or under development. Here we will discuss our approach of engineering several well-folded small protein domains (<7 kDa) to develop affinity reagents that bind cancer biomarkers for applications in molecular imaging.

Tuesday, Jul 31st 2018

4:00 PM (Tea/Coffee at 03:30 PM)

Auditorium, TIFR-H