

## **Internal Seminar**

### **Synthesis and Self-Assembly Study of Hybrid Peptide Foldamers for the Development of Functional Supramolecular Architectures**

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Foldamers are conformationally three dimensional well-organized synthetic oligomers stabilized through non-covalent interactions. Study of peptidic foldamers aid to discover and fabricate novel peptide secondary structures through self-assembly. Thus, it is promising to solve and explore the structural, self-assembling and functional properties of hybrid peptides. We have designed and investigated sequence-based structural and self-assembled nanostructural modulations of short hybrid peptides. The folded conformations and self-assembling architectures of hybrid peptides will be discussed in the presentation with potential applications in material sciences.

***Thursday, Jun 7<sup>th</sup> 2018***

***11:30 AM (Tea/Coffee at 11:00 AM)***

***Seminar Hall, TIFR-H***