

## **Students' Annual Seminar**

### **Structural Characterisation of Proteins and Developing Selective Amino-acid Filtering Experiments for Applications in Solid State NMR**

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Solid state NMR is a technique that gives the flexibility of having a wide range of sample states, like crystals, gels, amorphous powders etc. while focusing on the changes happening at atomic-level resolution. Here, we observe the structural changes inside the  $\alpha$ -synuclein LLPS droplets during their maturation into fibrils using solid-state NMR. The initial results will be discussed. Also, the current progress of the project, where we develop selective experiments to filter amino acids at fast MAS frequencies, will be discussed.

***Friday, Apr 21<sup>st</sup> 2023***

***5:00 PM***

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