

Seminar

Novel proteomics strategies for understanding biomolecular interactions and their regulatory mechanisms

Yugandhar Kumar

**Weill Institute of Cell and Molecular Biology,
Cornell University, USA**

Protein interactions are crucial for most of the cellular functions. Mass spectrometry-based proteomic techniques play a central role in uncovering those interactions along with their structural dynamics, on a proteome-scale. Computational algorithms form the key component of proteomic studies and directly influence their reliability. In my talk, I will introduce some of the critical challenges in the field and demonstrate how our novel approaches could successfully address them. I will further discuss the applications of our algorithms in discovering proteome-wide functional phosphorylation events.

Monday, Dec 6th 2021

04:00 PM

Auditorium, TIFR-H