

Seminar

Exploring Impacts of Ions and Cosolutes in Diverse Biomolecular Environments

Susmita Sarkar

TIFR, Hyderabad

Different cellular dysfunctions originate from poor biomacromolecular stability and solubility driven by several unfavourable cellular conditions influenced by toxic surrounding environment. To resuscitate cellular homeostasis, cell produces some potential small molecules (osmolytes, ATP) which comfort cell-lives and prevent biological instabilities. In this study the influence of ions and multiple cosolutes in biology are investigated with specific molecular details in solution as well as within channel environments. The current findings would provide new physico-chemical insights on biological systems via combined study of computer simulation and experiments.

Friday, May 31st 2024

16:00 Hrs (Tea / Coffee 15:45 Hrs)

Auditorium, TIFR-H