

Seminar

Microdroplet Chemistry: Synthesis, Imaging, and Analysis

Jyotirmoy Ghosh

Purdue University, IN

In this seminar, I will present the accelerated chemistry of microdroplets, which has the potential to revolutionise diverse scientific domains. In drug discovery, it will facilitate high-throughput reaction screening, drastically reducing time and cost. Further, the application of mass spectrometry as an imaging technique will allow high-resolution spatial mapping of targeted biomarkers, improving disease diagnostics and the discovery of novel biomarkers. The role of microdroplets in material science and prebiotic chemistry is of paramount importance to be explored to understand their role.

Thursday, Jan 1st 2026

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

Auditorium, TIFRH