

Seminar

From Layered Semiconductors to Cell Biology: Enabling Interdisciplinary Research Through Instrumentation

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In this talk, I will discuss two examples from my postdoctoral research work, where going beyond plug-and-play instruments enabled interesting experiments and science. [1,2] Both these examples will highlight the importance of integrating and developing new experimental setups for basic research. Finally, I will discuss my current project on the development of a cryogenic superresolution microscope for correlative light and electron microscopy. I will highlight the importance of this technique for research in cell biology.

[1] N.Saigal et al., Appl. Phys. Lett. 112, 121902 (2018).

[2] N.Saigal et al., Phys. Rev. Lett. 133, 046902 (2024).

Thursday, Mar 12th 2026

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

Seminar Hall, TIFRH