

Seminar

Beyond Solid and Fluid: Nonlinear Rigidity and Hidden Order in Living Tissues

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Living tissues are often classified as solid or fluid, but this binary picture overlooks other forms of collective organization. Using cell-based models, I will show how shear can rigidify a fluid tissue, how division and motility generate hexatic order, and how cellular mechanics produces hyperuniform structures. Together, these results reveal rigidity, orientational order, and density fluctuations as distinct axes of tissue organization.

Monday, Jul 27th 2026

11:30 Hrs (Tea / Coffee 11:15 Hrs)

Auditorium, TIFRH