

Seminar #3

June 5, 2020, 11:30 am

Understanding Gene Transcription and Genome Organization using Electron Microscopy

Alessandro Vannini

Structural Biology Research Centre, Fondazione Human Technopole,
Milan, Italy



Integrated structural biology approaches provide us with an opportunity to understand the inner workings of proteins and protein complexes that controls basic cellular functions. Recent technical advances in electron. Microscopy (EM) have allowed us to overcome previous limitations restricting the size and heterogeneity of complexes under study. The resulting movies show, at near atomic resolution, large macromolecular machines at work. Looking forwards, the future holds the promise of routinely carrying out high-resolution imaging of these machines operating within normal and diseased cells.



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