Tata Institute of Fundamental Research
Survey No. 36/P, Gopanpally Village, Serilingampally, Ranga Reddy Dist., Hyderabad – 500 046

Students' Annual Webinar

In-silico modelling of collective dynamics of bacteria and bacterial chromosomal loci

Palash Bera

Growth, division and organization in a variety of collective states are the salient features of bacterial lifestyle. Generally, the bacterial chromosome consists of super-coiled circular DNA and shows complex dynamics in its cytoplasm. Each bacterial cell grows and splits into a pair of daughter cells by segregating its DNA and self-organises itself. Here, by computer simulation, I will discuss the swarming dynamics of bacteria and the dynamics of bacterial chromosomal loci.

Thursday, April 7th 2022

5:00 PM