Cologne Evolution Colloquium

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Dynamics of mRNA translation inferred from experimental data

Translation is a fundamental intracellular process by which ribosomes synthetise proteins from the genetic information encoded in messenger RNA (mRNA). A long-standing question in molecular to predict how mRNA sequences is specify dynamics of protein synthesis. Over the past 15 years, several new techniques have been developed to measure protein synthesis at a genome-wide level. Simultaneously, new advances have been made to understand the dynamics of mRNA translation using theoretical models based the totally asymmetric simple exclusion will summarise recent efforts process. integrate these models with experimental data, will ultimately help understand us to determinants of protein synthesis sequence dynamics.

> Wednesday, January 27, 2021, 17:00 Institute for Biological Physics Online via Zoom

> > Hosted by Joachim Krug