



Bose Colloquium

10th April, 2019 | 04:00 pm | Fermion Hall

Speaker

Prof. Somdatta Sinha

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Title

Modelling Infectious Disease - from genomes to populations

Abstract

Understanding the development and spread of infectious disease is a highly interdisciplinary area requiring inputs and analysis methods from all sciences and humanities. It also involves integrating multiple scales of description - from the molecular to epidemiological. In this overview talk I will discuss different theoretical approaches that are used to extract important information for the two diseases - HIV and Malaria - at the genomic to the population scales.