

Quantitative biology

mercredi 10 octobre 2012 14:00 (1 heure)

The talk will be devoted to a general survey of the applications of the tools of theoretical physics to modern molecular biology. After a general introduction to modern genomics, to the sequencing projects and to the so called “Systems Biology” approach, I will discuss in more detail three examples: the role of evolution in shaping the genome, the network properties of gene regulation and the use of statistical mechanics tools to describe chemotaxis.

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