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Systems Biology: A Short Overview

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Systems Biology is a very readable introduction to the subject, even though some of the most promising results in the field became available after it had been published. The book's technical level is advanced undergraduate physics or engineering, but a higher level of scientific maturity will be needed to fully appreciate the thoughtful discussions about levels of description and the modeling enterprise in general.

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What is Systems Biology? ÓSystems biology is concerned with the study of biological functions and mechanisms, underpinning inter- and intra-cellular dynamical networks, by means of signal- and system-oriented approaches Ó“Life is an emergent, rather than an immanent and inherent, property of matter.

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What is Systems Biology? Is a new field in biology that aims at system-level understanding of biological systems. – Hiroaki Kitano Question is, what do we mean by biological systems? By “system”, we mean a bunch of parts that are connected to one another and work together.

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