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### Introduction to Systems Biology | Coursera

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Written for students and researchers in systems biology, the second edition of this best-selling textbook continues to offer a clear presentation of design principles that govern the structure and behavior of biological networks, highlighting simple, recurring circuit elements that make up the network.

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Novel technologies developed over the past decade allow a systems biology approach to studying the complex processes that shape cells, organs, and organisms. Instead of focusing on single genes or proteins, NGS platforms and MS applications provide the opportunity to study genes, transcripts, proteins, and their interactions on a genome-wide level.

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An Introduction to Systems Biology : Design Principles of Biological Circuits. [Uri Alon] -- [Publisher-supplied data] This book presents recently discovered design principles that govern the structure and behavior of biological networks such as gene circuits, highlighting simple, recurring ...

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Systems Medicine Course 2020: An Introduction to Systems Biology - Second Edition: Systems Medicine course 2019: Systems Biology course 2018: Why science demands a leap into the unknown | TED Talk

### Homepage | Uri Alon

Comprehensive coverage of the many different aspects of systems biology, resulting in an excellent overview of the experimental and computational approaches currently in use to study biological systems. Each chapter represents a valuable introduction to one specific branch of systems biology, while also including the current state of the art

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