

## **Biological network analysis (II) — Biomedical applications**

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Systems biology, which combines computational and experimental approaches to analyzing complex biological systems, focuses on understanding functional activities from a systems-wide perspective and can be applied to many organisms from bacteria to man. Network biology simultaneously explores the complex interaction of many levels of biological information to understand how they work together. Networks of interacting proteins can provide researchers with a basic understanding of cellular functions. In this talk, I will present how biological network analysis is used to identify disease targets and drugs. These studies drive our understanding of biological complexity and the development of novel therapeutic strategy.