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The common ground for most perspectives of systems biology is the need to understand the dynamic function of cells as interacting objects, rather than focusing on static properties. This volume of Essays in Biochemistry is an attempt to pick and mix key topics in systems biology, allowing for different perspectives, while keeping a common goal: the understanding of the principles (mechanisms, laws) by which molecules and cells interact in order to realize their function.

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• Each chapter is a self-contained summary of the state-of-the-art of that topic.

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