

Preface

Systems biology is a recently emerged academic field that aims to understand the relationships from genes to organisms through networks in biological systems. The vast amount of data currently being generated should be addressed in a meaningful way, and the development of systematic approaches may lead to a new approach to scientific study. Since the year 2000, the term “Systems Biology” has been widely used in biosciences, but the actual process has not yet been well defined. Therefore, I have created a book series to describe systems biology in conjunction with Springer (<http://www.springer.com>).

The current book, *Systems Biology for Signaling Networks*, is part of a series (series editor: Sangdun Choi) consisting of

1. *Systems Biology for Signaling Networks* (Choi S)
2. *Systems Immunology* (Selvarajoo K and Tsuchiya M)
3. *Physiologic Computer Modeling and Systems Analysis for the Clinical Researcher* (Summers RL and Coleman TG)
4. *Systems Biology of Regulated Exocytosis in Pancreatic β -Cells* (Booß-Bavnbek B, Klösigen B, Larsen JK, Pociot F and Renström E)

The scope of this series of books is wide and ranges from the molecular parts of cells to network modeling. Among them, *Systems Biology for Signaling Networks* focuses on systematic approaches to cellular signaling in humans and animals. Although systems biology is in its infancy, our book offers an exciting solution in terms of exploring cellular signaling that will be a great help to biomedical studies in this century.

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