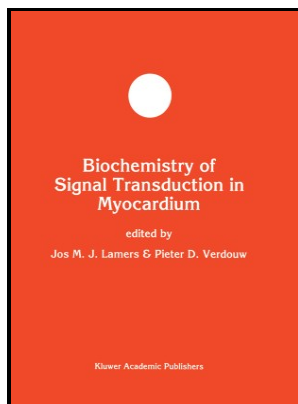


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Notes: Includes bibliographical references and index.

This edition was published in 2001



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Written for those with a basic understanding of molecular and cell biology, the book will be of particular interest to graduate students and researchers who need to grasp the principles of signal transduction. Van Eldik Publisher: Academic Press ISBN: 9780080926360 Category: Science Page: 482 View: 394 This book focuses on emerging themes in the molecular mechanisms of calcium signal transduction through calmodulin-regulated pathways.

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Edited by Linked existing covers to the edition. The text would also be a useful reference to beginning graduate students in signal transduction and a ready compliment to courses that rely on primary literature for course discussions. This volume is designed to summarize some aspects of the current work on various Second Messenger Systems and the integration of signals with respect to plasma membrane receptors.

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With didactic skill and clarity the author relates the observed biological phenomena to the underlying biochemical processes. Starting from the principles of gene regulation and regulation of enzyme activity, the topics of this book cover function, structure, and integral construction of signalling pathways plus a detailed description of the various types of carriers such as second messengers, protein kinases, and transmembrane receptors. As such, it is the perfect companion for a course on the subject, thanks to its clear structure, hundreds of illustrative drawings, as well as chapter introductions and 150 newly-added study questions.

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As such, it is the perfect companion for a course on the subject, thanks to its clear structure, hundreds of illustrative drawings, as well as chapter introductions and 150 newly-added study questions. The authors also offer guidance and suggestions for exploring and further characterizing other still unknown gasotransmitters.

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