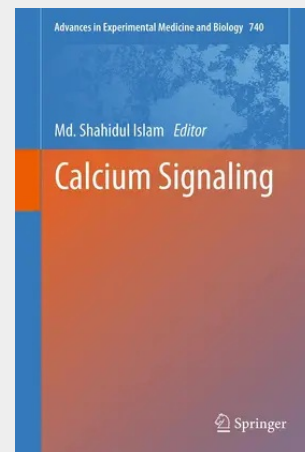


Calcium Signaling

Calcium signaling contains a unique selection of chapters that cover a wide range of contemporary topics in this ubiquitous and diverse system of cell signaling. This book has the flavor of a primary text book, but it is much more than that. It covers topics ranging from the fundamental aspects of calcium signaling to its clinical implications, in a thoughtful and comprehensive way. It discusses cutting edge researches, and critical issues at depth, and it presents many testable hypotheses for future research. It includes the theoretical and the methodological topics as well as topics related to mathematical modeling, and simulations. If you want to read about calcium signaling in different mammalian cells, oocytes, Zebrafishes, and even in plants, in one and the same book, then this book will not disappoint you. From the beginners to the experts in the field of calcium signaling, everybody will find something useful in this very timely book.

This volume contains a unique selection of chapters covering a wealth of contemporary topics in this ubiquitous and diverse system of cell signaling. It offers much more than the accessibility and authority of a primary text book, exploring topics ranging from the fundamental aspects of calcium signaling to its varied clinical implications. It presents comprehensive discussion of cutting-edge research alongside detailed analysis of critical issues, at the same time as setting out testable hypotheses that point the way to future scientific endeavors. The contributions feature material on theoretical and methodological topics as well as related subjects including mathematical modeling and simulations. They examine calcium signaling in a host of contexts, from mammalian cells to oocytes, zebrafish and plants. With much of interest to newcomers to the field as well as seasoned experts, this new publication is both wide-ranging and authoritative.



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