

Foreword

This is an excellent book that provides a comprehensive and detailed review of phosphoinositide 3-kinases (PI3K) and their roles in controlling cell proliferation and apoptosis. Each chapter gives an up to date, authoritative overview of particular aspects of PI3K biology, that include structure, signal transduction, cell cycle control or the important downstream target of PI3K, the FOXO transcription factor. The book will be of interest to researchers who wish to understand particular aspects of PI3K biology in detail, as well as to students and academics who want a more broad understanding of this important and fast-changing field.

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Over the last decade phosphatidylinositol 3-kinases (PI3Ks) have emerged as central players in the regulation of cellular function. Dysfunctional PI3K regulation has been reported in a plethora of diseases and their therapeutic relevance has recently become apparent. “*Phosphoinositide 3-kinase Signalling Pathway*” is a well researched and timely publication that covers in detail our current knowledge concerning the regulation and function of this important family of lipid kinases. Each chapter approaches a different aspect of PI3K signaling, covering important topics including PKB (c-akt) function and the role of FOXO transcription factors in regulating cellular homeostasis. This book is an important reference work for all those who want an up-to-date review of this interesting signaling pathway.

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