

LIPID-MEDIATED SIGNALING

As the highly anticipated update to *Lipid Second Messengers* (CRC Press, 1999), ***Lipid-Mediated Signaling*** is a current and comprehensive overview of research methods used in lipid-mediated signal transduction. Pioneering experts provide a much-needed distillation of a decade's worth of advances in research techniques that are pertinent in understanding how lipid-mediated signal transduction ties pathologic disorders, such as cancer and autoimmunity, to aberrant or dysregulated signal transduction. The book focuses on methods useful in a wide variety of cells, tissues, and organ systems, discussing recent efforts to identify the various signaling processes that govern their behavior.

Part I describes methods used to identify activities of and assay the expression of different enzymes involved in lipid-mediated signaling. Part II highlights the use of mass spectrometry to ascertain the lipid content in various systems. Part III contains two chapters devoted to techniques used to determine the role of lipids in the activation of gene transcription. Part IV rounds out the book's solid coverage by focusing on methods used to assess fatty acid uptake and metabolism.

Lipid-Mediated Signaling is an unrivaled reference for this rapidly expanding, yet resource-limited field, and is a valuable resource for researchers studying signaling transduction, as well as cell biologists, biochemists, and pharmacologists.



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