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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Therapeutic Potential of Small Molecules and Engineered Proteins.- Arrestin Interactions with G Protein-coupled Receptors -- Arrestin-biased GPCR Agonists -- Arrestin-1 Expression Levels, Rod Function and Health -- Protective Functions of Arrestin-1 in Photoreceptors -- Arrestin-4 and Cone Function -- Enhanced Phosphorylation-independent Arrestins and Gene Therapy -- Targeting Particular Receptors with Redesigned Non-visual Arrestins.- Arrestins binding to clathrin, AP2 and Role in GPCR trafficking -- Arrestins in Ubiquitination and Deubiquitination -- Arrestin Self-association -- Arrestin-dependent Activation of ERK and Src -- Arrestin-dependent Activation of JNK Family Kinases -- Arrestin-Mediated P38 Activation.- Arrestin-dependent PDE Localization -- Arrestins in Cell Migration -- Arrestins

in Host-pathogen Interactions -- Arrestin Regulation of Small GTPases
-- GPCRs and Arrestins in Airways: Implications for Asthma --
Arrestins as Regulatory Signaling Hubs in Cancer Pathways -- Arrestins
in Pain and Anesthesia.

Sommario/riassunto

This volume describes our current understanding of the biological role of visual and non-visual arrestins in different cells and tissues, focusing on the mechanisms of arrestin-mediated regulation of GPCRs and non-receptor signaling proteins in health and disease. The book covers wide range of arrestin functions, emphasizing therapeutic potential of targeting arrestin interactions with individual partners.
