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Nota di contenuto	Protein kinase-mediated decision between life and death -- Aging, cellular senescence and protein kinases -- Oxidative stress-related endothelial cell death and protein kinases -- Signal transduction in immune cells and protein kinases -- Role of protein kinase C in immune cell activation and its implication chemical-induced immunotoxicity -- Metabolic stress and immunity -- Activation of tropomyosin-related kinase receptor B by N-acetyl-serotonin: implications for neuroprotection -- Protein kinase inhibitors in traumatic brain injury and repair -- Amyloid beta toxicity in Alzheimer's Disease and neuronal death-associated protein kinases -- Glucolipotoxicity-related beta cell death and protein kinases -- Protein kinases and cell death in hematological disorders -- A crosstalk between dual-specific phosphatases and dual-specific protein kinases can be a potential therapeutic target for anti-cancer therapy -- Bile acid toxicity and protein kinases -- Nanoparticle toxicity: Protein kinases and cell death -- Two-component signal transduction systems in antibiotic resistance -- ERK1/2 MAP kinase, its regulation and role in cellular activities including apoptosis and cell survival.
Sommario/riassunto	Protein phosphorylation via protein kinases is an inevitable process that alters physiological and pathological functions of the cells. Thus, protein kinases play key roles in the regulation of cell life or death

decisions. Protein kinases are frequently a driving factor in a variety of human diseases including aging and cellular senescence, immune system and endothelial dysfunctions, cancers, insulin resistance, cholestasis and neurodegenerative diseases, as well as bacterial resistance in persistent infections. Recent developments in quantitative proteomics provide important opinions on kinase inhibitor selectivity and their modes of action in the biological context. Protein Kinase-mediated Decisions Between Life and Death aims to have the reader catch insights about up-to-date opinions on "Protein Kinases" related pathways that threaten human health and life. As "Protein Kinases" are related to many health problems, clinicians, basic science researchers and students need this information. Chapter "Signal Transduction in Immune Cells and Protein Kinases" is available open access under a Creative Commons Attribution 4.0 International License via link. [springer.com](http://springer.com).

2. Record Nr.	UNISALENT0991001844129707536
Autore	Vrind, Gerard
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