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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Protein Phosphorylation; Preface; Contents; List of contributors; List of Abbreviations; 1 The brain of the cell; 1.1 Signals and symbols; 1.2 Proteins as communicative molecules; 1.3 The discovery of protein phosphorylation; 1.4 Protein phosphorylation in prokaryotes; 1.5 Protein phosphorylation in eukaryotes; 1.5.1 Eukaryotic protein kinases: common features and diversities; 1.5.2 Control of protein kinase activity; 1.5.3 The problem of substrate specificity; 1.5.4 Regulatory signals for protein kinases and examples of signaling cross-talk 1.5.5 Protein tyrosine phosphorylation and the integrity of multicellular organisms 1.6 Signal extinction by protein dephosphorylation; 1.7 Cancer: a cellular 'psychosis'; 1.8 Advancing beyond the metaphor: proteins as non-trivial machines; References; 2 cAMP-dependent protein kinase: structure, function and control; 2.1 Introduction; 2.2 Biochemistry of cAPK; 2.2.1 Principles of purification of cAPK; 2.2.2 The catalytic subunit (C-subunit); 2.2.3 Control of cAPK; 2.3 Cellular

aspects of cAPK function and control; 2.3.1 In vivo control of cAPK; 2.3.2 Cellular location of cAPK subunits 2.4 Structural aspects of cAPK function 2.4.1 Dynamics of substrate-induced fit in solution; 2.4.2 Crystal structure of cAPK C-subunit; 2.4.3 Aspects of future research on cAPK; 2.5 A quick look at the cGMP-dependent protein kinase: a close relative of cAPK; 2.6 Structural consequences of protein phosphorylation in general; 2.6.1 Immediate physical consequences; 2.6.2 Conformational change - indirect evidence; 2.6.3 Conformational change - direct evidence; 2.6.4 Structural effects in peptides; References; 3 Protein kinase C; 3.1 Introduction; 3.2 The protein kinase C isoenzyme family 3.2.1 The PKC subfamilies 3.2.2 PKC isoenzyme structures: common features and differences 3.2.3 Regulation of PKC activity 3.3 Cellular functions of protein kinase C; 3.3.1 Activators and inhibitors as tools in PKC research; 3.3.2 Phorbol ester effects; 3.3.3 Are effects of phorbol esters and DAG reliable indicators of PKC action?; 3.3.4 Effects of altered PKC expression on cellular functions; 3.3.5 PKC substrates 11; 3.3.6 How PKC may acquire substrate specificity; 3.4 Protein kinase C in disease; 3.4.1 Involvement of PKC expression in benign and malignant hyperproliferative diseases 3.4.2 Oncogenic and anti-oncogenic effects of protein kinase C expression 3.4.3 Protein kinase C and skin tumor promotion; References; 4 Casein kinases; 4.1 The different classes of casein kinases; 4.2 Protein kinase CK2; 4.2.1 History; 4.2.2 Biochemical features; 4.2.3 Molecular structures. interaction of subunits and regulation mechanisms; 4.2.4 CK2 genes and their chromosomal locations; 4.2.5 Transcribed CK2 messages and transcription control; 4.2.6 Cell physiological roles of CK2; 4.2.7 CK2 in mitogenic signal transmission; 4.2.8 CK2 and the cell cycle; 4.3 Protein kinase CK1 4.3.1 Biochemical features and molecular structures of CK1

## Sommario/riassunto

Protein phosphorylation is a key mechanism in cellular signaling. This volume presents a state-of-the-art survey of one of the most rapidly developing fields of biochemical research. Written by leading experts, it presents the latest results for some of the most important cellular pathways. Color plates illustrate structural or functional relationships, numerous references provide links to the original literature.

2. Record Nr.	UNINA9910807607303321
Autore	Branch-Trevathan George
Titolo	The sermon on the mount and spiritual exercises : the making of the Matthean self / / by George Branch-Trevathan
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Descrizione fisica	1 online resource
Collana	Supplements to Novum Testamentum
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Formato	Materiale a stampa
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Note generali	Revision the author's thesis (doctoral)--Emory University, 2016.
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	"What, in Matthew's view, should a human being become and how does one attain that ideal? In The Sermon on the Mount and Spiritual Exercises: The Making of the Matthean Self, George Branch-Trevathan presents a new account of Matthew's ethics and argues that the evangelist presents the Sermon on the Mount as functioning like many other ancient sayings collections, that is, as facilitating transformative work on oneself, or "spiritual exercises," that enable one to realize the evangelist's ideals. The conclusion suggests some implications for our understanding of ethical formation in antiquity and the study of ethics more generally. This will be an essential volume for scholars studying the Gospel of Matthew, early Christian ethics, the relationships between early Christian and ancient philosophical writings, or ethical formation in antiquity".