1. Record Nr. UNINA9910972499903321

Titolo	Protein biosynthesis / / Toma E. Esterhouse, Lado B. Petrinos, editors
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2009
ISBN	9781614707042 1614707049
Edizione	[1st ed.]
Descrizione fisica	1 online resource (374 p.)
Altri autori (Persone)	EsterhouseToma E PetrinosLado B
Disciplina	612.3/98
Soggetti	Proteins - Synthesis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Nova biomedical."
Nota di bibliografia	Includes bibliographial references and index.
Nota di contenuto	Protein synthesis and ageing / Kostoula Troulinaki, Nektarios Tavernarakis -- Neuropeptide biosynthesis in the nematode caenorhabditis elegans : from precursor to bioactive peptides / Steven J. Husson, Liliane Schoofs -- Research and review studies stereochemical mechanism of translation based on intersubunit complementaries / Kozo Nagano -- Trans-translation by tmRNA and a protein mimicking tRNA and mRNA / Hyouta Himeno, Daisuke Kurita, Akira Muto -- Modification of mRNA translation initiation to stimulate protein synthesis in sepsis / Thomas C. Vary -- Protein synthesis in hepatocytes of mice as revealed by electron microscopic radioautography / Tetsuji Nagata -- Recent advances in label-free biosensors applications in protein biosynthesis and HTS screening / Shawn o'Malley -- Translating memories : the role of protein biosynthesis in synaptic plasticity / Cara J. Westmark, James S. Malter -- Evolution and the universality of the mechanism of initiation of protein synthesis / Tokumasa Nakamoto -- Secreted protein and peptide biosynthesis : precursor structures and processing mechanisms / Kozlov S.A, Vassilevski A.A, Grishin E.V. -- The effects of temperature on ectotherm protein metabolism / Nia M. Whiteley, Keiron P.P. Fraser -- Protein biosynthesis : a new method for functional expression of sodium-dependent glucose transporter (SGLT) to study inhibition of transport activity and drug discovery / Francisco Castaneda -- Effect of

	hypoxic conditions on translational control of gene expression / Ota Fuchs -- The role of eukaryotic translation initiation factor 4E and it's binding factors 4E-BP1 and 4E-BP2 in body weight regulation, ageing and tumorigenesis / Ota Fuchs.
Sommario/riassunto	Protein biosynthesis (synthesis) is the process in which cells build proteins. The term is sometimes used to refer only to protein translation but more often it refers to a multi-step process, beginning with amino acid synthesis and transcription which are then used for translation. Protein biosynthesis, although very similar, differs between prokaryotes and eukaryotes. This new book presents important research in the field from around the globe.