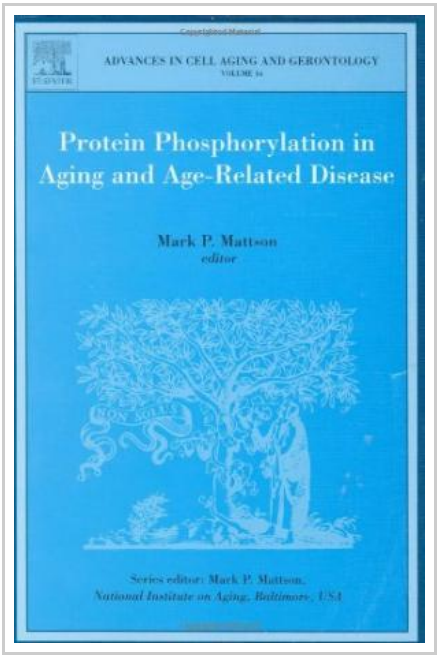

Protein Phosphorylation in Aging and Age-Related Disease (Hardback)

By Mark P Mattson

ELSEVIER SCIENCE TECHNOLOGY, United Kingdom, 2004. Hardback. Book Condition: New. New.. 240 x 166 mm. Language: English . Brand New Book. It can be argued that ATP is the most important molecule in cells. Not only is ATP the key energy source for cells, but it is also the source of phosphate groups that are transferred to a variety of substrate proteins via the action of elaborate families of protein kinases. An equally elaborate array of protein phosphatases can remove phosphate groups from proteins. It is now well established that protein phosphorylation is a widely used mechanism for cells to selectively modulate the function of a variety of proteins including enzymes, ion channels and pumps and structural proteins. In this volume of ACAG leading experts describe the evidence that protein phosphorylation is altered in aging and age-related disease. Protein phosphorylation controls fundamental processes such as transcription and translation, regulation of the cell cycle, signalling within and between cells, cell motility, synaptic function and so on. Recent findings are revealing how phosphorylation dependent signalling cascades may control lifespan with a prime example being the insulin-signalling pathway first described in c-elegans and now emerging as an important regulator of lifespan of mammals...

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This composed ebook is wonderful. It really is writter in basic words rather than hard to understand. You may like the way the writer compose this pdf.

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This book can be well worth a go through, and a lot better than other. It is writter in simple words and phrases and not confusing. Its been printed in an exceptionally simple way in fact it is merely right after i finished reading through this pdf by which basically changed me, modify the way i think.

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