



2011, XIV, 490 p.

Printed book

Hardcover

279,99 € | £249.99 | \$349.99

^[1]299,59 € (D) | 307,99 € (A) | CHF

330,50

Softcover

279,99 € | £249.99 | \$349.99

^[1]299,59 € (D) | 307,99 € (A) | CHF

330,50

eBook

234,33 € | £199.50 | \$269.00

^[2]234,33 € (D) | 234,33 € (A) | CHF

264,00

Available from your library or

springer.com/shop

MyCopy ^[3]

Printed eBook for just

€ | \$ 24.99

springer.com/mycopy

Cecilio J. Vidal (Ed.)

Post-Translational Modifications in Health and Disease

Series: Protein Reviews

- 1. Over 40 color figures 2. Contains 19 updated reviews that stimulate further investigations in the proteomic field 3. Improves current understanding of protein modifications, allowing new avenues to prevent and/or alleviate human and animal diseases

Post-translational modifications serve many different purposes in several cellular processes such as gene expression, protein folding and transport to appropriate cell compartment, protein-lipid and protein-protein interactions, enzyme regulation, signal transduction, cell proliferation and differentiation, protein stability, recycling and degradation. Although several-hundred different modifications are known, the significance of many of them remains unknown. The enormous versatility of the modifications which frequently alter the physico-chemical properties of the respective proteins represents an extraordinary challenge in understanding their physiological role. Since essential cellular functions are regulated by protein modifications, an improvement of current understanding of their meaning might allow new avenues to prevent and/or alleviate human and animal diseases.

Order online at springer.com / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: customerservice@springernature.com. / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: customerservice@springernature.com.

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

