1. Record Nr. UNINA9910455887603321 Autore Lehmann Wolf D Titolo Protein phosphorylation analysis by electrospray mass spectrometry [[electronic resource]]: a guide to concepts and practice / / Wolf D. Lehmann Pubbl/distr/stampa Cambridge, : RSC Pub., c2010 **ISBN** 1-84973-220-5 Descrizione fisica 1 online resource (395 p.) Disciplina 572.636 Soggetti Electrospray ionization mass spectrometry Proteins - Analysis Phosphorylation Mass spectrometry Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Acknowledgements --; ch. 1. Introduction --; ch. 2. Analysis of phosphopeptides by mass spectronomy -- ; ch. 3. Phosphopeptide enrichment --; ch. 4. Dephosphorylation --; ch. 5. Protein phosphorylation and element mass spectronomy --; ch. 6. Structural phosphorylation analysis -- ; ch. 7. Quantitative protein phosphorylation analysis -- Outlook -- Subject index. Sommario/riassunto Protein phosphorylation analysis is a central theme in current analytical biochemistry, cell biology and systems biology. Due to its versatility, specificity and sensitivity, mass spectrometry has developed into a key technology in this field. A set of minor and major instrumental innovations mean that mass spectrometers now exhibit a level of performance, a stability of operation, a relative ease of use, and productivity, which would once have been hard to imagine. This book

guides the reader through this prolific field by presenting a collection

of personal views and selected examples which