1. Record Nr. UNINA9910831040903321 Autore Eidhammer Ingvar Titolo Computational and statistical methods for protein quantification by mass spectrometry [[electronic resource] /] / Ingvar Eidhammer ... [et al.1 Chichester, West Sussex, U.K., : John Wiley & Sons Inc., 2013 Pubbl/distr/stampa **ISBN** 1-118-49404-0 1-299-18826-5 1-118-49378-8 1-118-49377-X Descrizione fisica 1 online resource (356 p.) Altri autori (Persone) BarsnesHarald EideGeir Egil MartensLennart Disciplina 572.636 572/.636 Soggetti Proteomics - Statistical methods Mass spectrometry - Data processing 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 Computational and Statistical Methods for Protein Quantification by Mass Spectrometry; Contents; Preface; Terminology; Acknowledgements; 1 Introduction; 1.1 The composition of an organism; 1.1.1 A simple model of an organism; 1.1.2 Composition of cells; 1.2 Homeostasis, physiology, and pathology; 1.3 Protein synthesis: 1.4 Site, sample, state, and environment; 1.5 Abundance and expression - protein and proteome profiles; 1.5.1 The protein dynamic range: 1.6 The importance of exact specification of sites and states: 1.6.1 Biological features; 1.6.2 Physiological and pathological features 1.6.3 Input features 1.6.4 External features; 1.6.5 Activity features; 1.6.6 The cell cycle; 1.7 Relative and absolute quantification; 1.7.1 Relative quantification: 1.7.2 Absolute quantification: 1.8 In vivo and in vitro experiments; 1.9 Goals for quantitative protein experiments; 1.10 Exercises; 2 Correlations of mRNA and protein abundances; 2.1

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