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Nota di contenuto	Proteomics in Drug Research; Contents; A Personal Foreword; Preface; List of Contributors; I Introduction; 1 Administrative Optimization of Proteomics Networks for Drug Development; 1.1 Introduction; 1.2 Tasks and Aims of Administration; 1.3 Networking; 1.4 Evaluation of Biomarkers; 1.5 A Network for Proteomics in Drug Development; 1.6 Realization of Administrative Networking: the Brain Proteome Projects; 1.6.1 National Genome Research Network: the Human Brain Proteome Project; 1.6.2 Human Proteome Organisation: the Brain Proteome Project; 1.6.2.1 The Pilot Phase; References 2 Proteomic Data Standardization, Deposition and Exchange 2.1 Introduction; 2.2 Protein Analysis Tools; 2.2.1 UniProt; 2.2.2 InterPro; 2.2.3 Proteome Analysis; 2.2.4 International Protein Index (IPI); 2.2.5 Reactome; 2.3 Data Storage and Retrieval; 2.4 The Proteome Standards Initiative; 2.5 General Proteomics Standards (GPS); 2.6 Mass Spectrometry; 2.7 Molecular Interactions; 2.8 Summary; References; II Proteomic Technologies; 3 Difference Gel Electrophoresis (DIGE): the Next Generation of Two-Dimensional Gel Electrophoresis for Clinical

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4.5 Quantitative Mass Spectrometry for Comparative and Functional Proteomics  
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## Sommario/riassunto

From skillful handling of the wide range of technologies to successful applications in drug discovery -- this handbook has all the information professional proteomics users need. Edited by experts working at one of the hot spots in European proteomic research, the numerous contributions by experts from the pharmaceutical industry and public proteomics consortia to provide the necessary perspective on current trends and developments in this exciting field. Following an introductory chapter, the book moves on to proteomic technologies, such as protein biochips, protein-protein interaction

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