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Nota di contenuto	BSL3 and BSL4 Agents: Proteomics, Glycomics, and Antigenicity; Contents; Preface; List of Contributors; 1: Introduction: Application of Proteomic Technologies for the Analysis of Microbial Infections; 1.1 Introduction; 1.2 Search for New Factors of Virulence and Potential Diagnostic Markers; 1.3 Search for New Vaccine Candidates; 1.4 Analysis of Post-Translational Modifications of Bacterial Proteins and Protein-Protein Interactions; 1.5 Conclusions; References; Part One: Basic Proteomic Methods; 2: Separation of Proteins and Peptides; 2.1 Introduction; 2.1.1 Gel-Based Separation 2.1.1.1 One-Dimensional Electrophoresis 2.1.1.2 Two-Dimensional Electrophoresis; 2.1.1.3 Protein Staining and Image Analysis; 2.1.1.4 2-DE Limitations; 2.1.2 In Solution-"Gel Free" Proteomics; 2.1.3 Column

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#### Sommario/riassunto

Unique coverage of proteomic and glycomic approaches to better distinguish highly dangerous pathogens, as well as using these to explore novel treatment and prevention options. The editors and authors are either part of a specialized European network initiated to develop fast and reliable detection and therapy options, or are associated with the core military research complex of the United States. With its description of the methods, their advantages and limitations, as well as the principle outcomes, this is a must-have resource for all professionals dealing with BSL3 and/or BSL 4 agents.