

1. Record Nr.	UNISA996397705803316
Titolo	By the King [[electronic resource]] : a proclamation against the disorderly printing, vttering, and dispersing of bookes, pamphlets, &c
Pubbl/distr/stampa	Imprinted at London, : By Bonham Norton, and Iohn Bill, printers to the Kings Most Excellent Maiestie, anno MDCXXIII. [1623]
Descrizione fisica	2 sheets (versos blank)
Altri autori (Persone)	James, King of England, <1566-1625.>
Soggetti	Freedom of the press - Great Britain Printing - Great Britain - History Prohibited books - Great Britain
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Caption title. Reproduction of original in: Great Britain. Public Record Office.
Sommario/riassunto	eebo-0214

2. Record Nr.	UNINA9911019728703321
Titolo	Bioinformatics for glycobiology and glycomics : an introduction // edited by Claus-Wilhelm von der Lieth, Thomas Lutteke, and Martin Frank
Pubbl/distr/stampa	Chichester ; ; Hoboken, NJ, : Wiley-Blackwell, c2009
ISBN	9786612313172 9781282313170 1282313177 9780470029619 0470029617 9780470029602 0470029609
Descrizione fisica	1 online resource (505 p.)
Altri autori (Persone)	LiethClaus-Wilhelm von der LuttekeThomas FrankMartin <1963->
Disciplina	572/.56
Soggetti	Glycomics Glycoconjugates - Research - Data processing Bioinformatics
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	Bioinformatics for Glycobiologyand Glycomics; Contents; List of Contributors; Preface; Section 1: Introduction; 1. Glycobiology, Glycomics and (Bio)Informatics; Section 2: Carbohydrate Structures; 2. Introduction to Carbohydrate Structure and Diversity; 3. Digital Representations of Oligo- and Polysaccharides; 4. Evolutionary Considerations in Studying the Sialome: Sialic; Section 3: Carbohydrate-active Enzymes and Glycosylation; 5. Carbohydrate-active Enzymes Database: Principles and Classification of Glycosyltransferases; 6. Other Databases Providing Glycoenzyme Data 7. Bioinformatics Analysis of Glycan Structures from a Genomic Perspective8. Glycosylation of Proteins; 9. Prediction of Glycosylation

Sites in Proteins; Section 4: Experimental Methods - Bioinformatic Requirements; 10. Experimental Methods for the Analysis of Glycans and Their Bioinformatics Requirements; 11. Analysis of N- and O-Glycans of Glycoproteins by HPLC Technology; 12. Glycomic Mass Spectrometric Analysis and Data Interpretation Tools; 13. Software Tools for Semi-automatic Interpretation of Mass Spectra of Glycans 14. Informatics Concepts to Decode Structure-Function Relationships of Glycosaminoglycans 15. NMR Databases and Tools for Automatic Interpretation of Spectra of Carbohydrates; 16. Automatic Spectrum Interpretation Based on Increment Rules: CASPER; 17. Interpretation of ¹³C NMR Spectra by Artificial Neural Network Techniques (NeuroCarb); Section 5: 3D Structures of Complex Carbohydrates; 18. Conformational Analysis of Carbohydrates - A Historical Overview; 19. Predicting Carbohydrate 3D Structures Using Theoretical Methods 20. Synergy of Computational and Experimental Methods in Carbohydrate 3D Structure Determination and Validation Section 6: Protein-Carbohydrate Interaction; 21. Structural Features of Lectins and Their Binding Sites; 22. Statistical Analysis of Protein-Carbohydrate Complexes Contained in the PDB; Section 7: Appendices; Appendix 1: List of Available Websites; Appendix 2: Glossary; Index; Color Plates; Cover Page

Sommario/riassunto

This book is the first to be dedicated to the bioinformatics of carbohydrates and glycoproteins. It provides an introduction to this emerging field of science both for the experimentalist working in glycobiology and glycomics, and also for the computer scientist looking for background information for the development of highly sophisticated algorithmic approaches. The book provides an overview of the state-of-the-art in the field, with reviews on databases, and the tools in use for analysis, interpretation, and prediction of the structures of complex carbohydrates, and demonstrates the value
