Record Nr. UNINA9910825567803321 Galectins / / edited by Anatole A. Klyosov, Zbigniew J. Witczak, David **Titolo** Platt Pubbl/distr/stampa Hoboken, N.J., : John Wiley & Sons, c2008 **ISBN** 1-281-38211-6 9786611382117 0-470-37807-7 0-470-37778-X Edizione [1st ed.] Descrizione fisica 1 online resource (302 p.) KlesovA. A (Anatolii Alekseevich) Altri autori (Persone) WitczakZbigniew J. <1947-> PlattDavid <1953-> 572/.69 Disciplina Soggetti Lectins Galactose Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto GALECTINS; CONTENTS; Preface; Contributors; 1 Stumbling on Galectins; 2 Galectins and Their Functions in Plain Language; 3 Understanding Galectin Structure-Function Relationships to Design Effective Antagonists; 4 Galectins as Regulators of Tumor Growth and Invasion by Targeting Distinct Cell Surface Glycans and Implications for Drug Design; 5 Nuclear and Cytoplasmic Localization of Galectin-1 and Galectin-3 and Their Roles in Pre-mRNA Splicing; 6 Galectins in Regulation of Inflammation and Immunity 7 Galectins as Danger Signals in Host-Pathogen and Host-Tumor Interactions: New Members of the Growing Group of ""Alarmins""?8 The Role of Galectins in Organ Fibrosis; 9 Galectin-1, Cancer Cell Migration, Angiogenesis, and Chemoresistance; 10 Galectin-3 in the Progression and Metastasis of Colorectal Neoplasia; 11 Galectins in Malignant Gliomas: Expression, Functions, and Possible Therapeutic Options: 12 Food-Related Carbohydrate Ligands for Galectins; Index The comprehensive guide to the current understanding of galectins and Sommario/riassunto

their promising potential in drug design This is the first book focusing

on galectins. It was inspired by topics discussed at the symposium ""Galectins: Structures, Functions, and Therapeutic Targets"" that was a part of the 234th American Chemical Society meeting in 2007. To help chemists, biochemists, and others understand the challenges inherent in the study of galectins and build on recent advances in the field, the editors have compiled articles from leading experts on galectins and their biomedical applications.