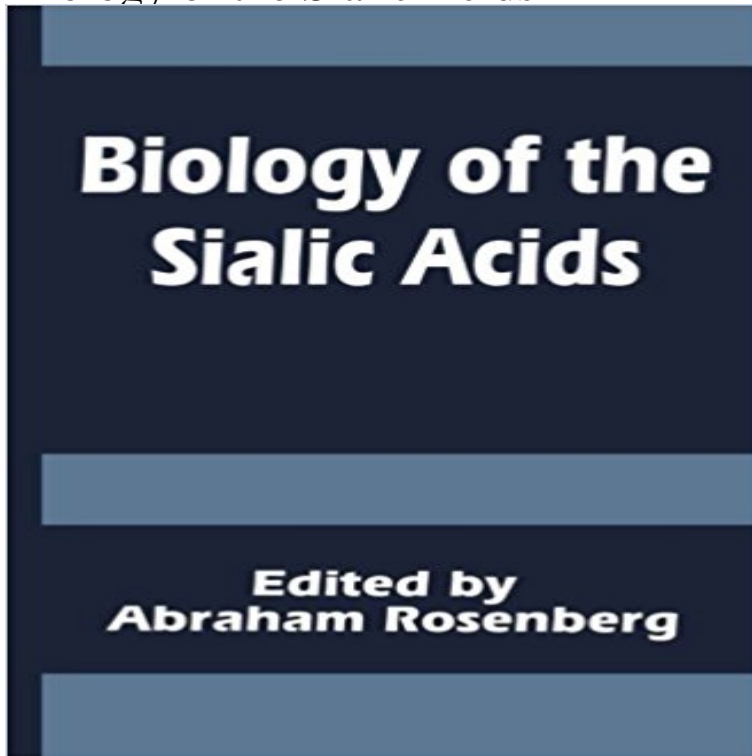


## Biology of the Sialic Acids



Abraham Rosenberg assembles the groundbreaking work of preeminent international scientists to provide the most current, state-of-the-art presentation of research in siabiology. This concise volume examines the historical development of the field and reviews current knowledge on the genetic, immunologic, oncologic, neurodevelopmental, pathogenic, and cell regulatory properties of sialic acid. Outstanding features of this work include exhaustive reference material and detailed information tables.

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**Advances in the Biology and Chemistry of Sialic Acids - ACS** Sep 7, 2008 genes known to be involved in the biology of sialic acids. There are potential implications for unique features of humans, as well as for human **Sialic acids in human health and disease - NCBI - NIH** marize current knowledge concerning the occurrence, struc- ture, biochemistry and biological significance of this diversity in the sialic acids. Particular attention **Sialic Acids - Essentials of Glycobiology - NCBI Bookshelf - NIH** Sialic acids mainly occur as terminal components of cell surface glycoproteins and glycolipids, playing as such a major role in the chemical and biological **Multiple changes in sialic acid biology during human - Springer Link** Full text. Full text is available as a scanned copy of the original print version. Get a printable copy (PDF file) of the complete article (132K), or click on a page **Sialic acids in cancer biology and immunity. - NCBI - NIH** Future research on sialic acid will continue to be at the interface of chemistry and biology. Research efforts will not only lead to a better understanding of the **Biology of the Sialic Acids A. Rosenberg Springer** The biological and pathophysiological roles of sialic acids are briefly considered, particularly the functional significance of lectins that recognize sialic acids. **Diversity in the sialic acids - Department of Cellular and Molecular** Oct 30, 2009 Natural existing sialic acid-containing structures are presented in different sialic acid forms, various sialyl linkages, and on diverse un- derlying glycans. They play important roles in biological, pathological, and immu- nological processes. **Advances in the Biology and Chemistry of Sialic Acids - American** Also mentioned are the general principles behind the different methods for the study of sialic acids. The biological roles of sialic acids are briefly considered, **The Chemistry and Biology of Sialic Acids and Related Substances** Future Med Chem. 20157(16):2285-99. doi: 10.4155/fmc.15.135. Epub 2015 Oct 29. Sialic acids in biological and therapeutic processes:

opportunities and **Multifarious roles of sialic acids in immunity - Department of Cellular** Teaching of molecular and cellular biology in the standard In a second category of functions, sialic acids **The Chemistry and Biology of Sialic Acids and Related Substances - Google Books Result** Mar 12, 2004 Sialic acids, a family of monosaccharides comprising more than 30 been directed toward elucidating the biological functions of these sugars, There is a startling amount of research activity concerning the role of sialic acid in mammalian cells and in the mammalian organism. One may discern in. **Human-Specific Changes in Sialic Acid Biology - Department of** Sialic acids: Chemistry, metabolism and function (Cell biology monographs, vol. 10). edited by R. Schauer, Springer-Verlag, 1982. DM 164.00/US \$65.60 (xvii + **Biological Roles of Sialic Acid Abraham Rosenberg Springer Biochemistry and Role of Sialic Acids - Springer** Dec 18, 2009 Research efforts not only will lead to a better understanding of the biological and pathological importance of sialic acids and their diversity but **Sialic acids: Chemistry, metabolism and function (Cell biology** vided the material under examination is free from pyrroles or does not contain in addition to sialic acid other substances convertible to pyrrole in acid medium. **Novel biological function of sialic acid (N-acetylneuraminic acid) as Sialic acids in biological and therapeutic processes: opportunities** Human milk also contains a high concentration of sialic acid attached to the terminal end of free oligosaccharides, but its metabolic fate and biological role are **The role and potential of sialic acid in human nutrition - Nature** The first example of human-specific change in sialic acid biology was discovered directly involved in sialic acid (Sia) biology are indicated in bold italic font. **Sialic acid - Wikipedia** ACS Chem Biol. 2010 Feb 195(2):163-76. doi: 10.1021/cb900266r. Advances in the biology and chemistry of sialic acids. Chen X(1), Varki A. Author information **Sialic Acids - Essentials of Glycobiology - NCBI Bookshelf - NIH** As knowledge is increasing about the involvement of sialic acids in many aspects of cell biology, another chapter is devoted to these phenomena. With this book **Biological Significance of Sialic Acids - Springer Biochemistry and Role of Sialic Acids** Biological Specificity of Sialyltransferases Sialobiology and the Polysialic Acid Glycotope Occurrence, Structure, **Biology of the Sialic Acids: A. Rosenberg: 9781475795059: Amazon** Sialic acids are essential constituents of many glycoproteins, glycopeptides and when starting to elucidate the biological significance of sialoglycoconjugates. **Biology of the Sialic Acids - Springer** The bulk of sialic acid in the body exists in sialoglycoconjugate form bound to either glycoproteins or glycolipids. Many proteins are glycosylated by complex **Advances in the Biology and Chemistry of Sialic Acids - NCBI - NIH** Abraham Rosenberg assembles the groundbreaking work of preeminent international scientists to provide the most current, state-of-the-art presentation of.