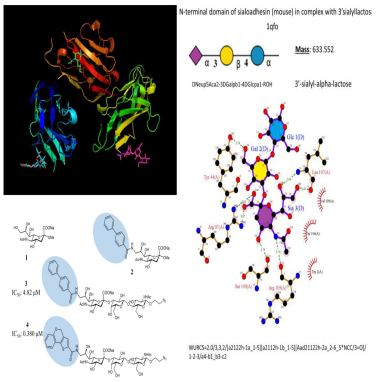



# The Fascinating World of Siglec Proteins

## Description

*The collection of glycopedia virtual chapters has been extended with a new contribution*

The Fascinating World of Siglec Proteinsâ?• reviews the most recent advances about Sialic acid-binding immunoglobulin-like lectins (Siglecs), a family of transmembrane proteins able to recognize sialic acids. Siglecs have emerged as potential therapeutic targets for treating several diseases: the main areas include autoimmunity, infections, inflammation, ageing, and cancer. The chapter analyzes the characteristics of each Siglec, from their biological and pathological role to the available 3D structures and interactions. The main essential strategies exploited to target them will also be explained, from the traditional approach with small molecules to the development of multivalent compounds and antibodies.



## Category

1. News