

Special Issue

Glycans in Virus-Host Interactions

Message from the Guest Editor

Viral surface glycans shield vulnerable protein epitopes from host immunity, but can also present distinct "glycoepitopes" that can be targeted as novel antigens for therapeutic response to infectious diseases. This Special Issue focuses on articles that cover the following areas: (1) characterization of glycosylation in the context of viral surface glycoproteins and glycan receptors displayed on specific host cells or tissues infected by a virus; (2) characterization of the sequence and structural specificity of recognition of glycan receptors by viruses and/or viral proteins; (3) the design and engineering of novel therapeutic agents, such as antibodies, that recognize distinct glycoepitopes on viral surfaces and achieve potent neutralization or other glycan-binding proteins (including lectins) that can specifically block interactions involving virus and host receptors.

Guest Editor

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Deadline for manuscript submissions

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Editor-in-Chief

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