

Special Issue

The Role of Glycosylation in Host-Microbial Interactions

Message from the Guest Editors

One major field of advance in glycoscience and its role in biology is in the domain of host-microbial interactions. Most microbial interactions with host surfaces are mediated by carbohydrate-protein interactions to establish pathogenic or commensal relationships. In addition to the roles identified in host-pathogen interactions, our understanding of the role of gastrointestinal tract mucosal surface in colonisation of the host gut by commensal microbiome is in its infancy. Many factors, including diet, influence gut glycosylation and the microbial population and thus have an impact on their interactions and cross-talk, thus effecting human gut health and disease. This Issue will elucidate the role of microbial or host glycosylation in host-microbe interactions in human health and disease.

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