



Glycobiology of Health and Diseases

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Message from the Guest Editor

Many proteins, lipids, and even nucleic acids undergo glycosylation in various modes, depending on the biological situation, such as development, differentiation, aging, and degeneration and depending also on the environmental conditions, such as temperature, moisture, toxic agents in foods, gas, and water.

Now, we are required to observe changes in glyco-chains in various situations at various sites, in order to understand glycosylation mechanisms and their regulatory systems. In particular, the following subjects are expected to be researched: 1. challenges in elucidating the expression profiles of glyco-chains in various molecules, cells, and tissues in various situations; 2. analyses of the roles of glycans involved in the interaction between cells, organelles, and bio-organisms, such as humans and parasites/bacteria/viruses; and 3. analyses of the interaction mechanisms between glycans and various ligand molecules such as lectins, leading to diverse phenotypes and cell signals. Any studies on these various aspects of glycosylation are welcome and would contribute to the progress in the field of the glycobiology of health and diseases.





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Message from the Editor-in-Chief

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