

Special Issue

Glycotherapeutics: Emerging Roles of Glycans in Medicine

Message from the Guest Editor

Carbohydrates play important roles in nature, and our understanding of them is increasing rapidly. Many recognition processes involving carbohydrates are of importance for proper functioning of biological systems. Similarly, carbohydrate recognition is, in many cases, part of disease. It is natural to expect that compounds affecting protein carbohydrate interactions have therapeutic potential. Thus far, this has only been seen for a select number of striking cases. In this Special Issue we welcome contributions that are involved in interference with disease causing processes. Timely topics in this area include the development of glycomimetics, covalent capture, multivalency, synthetic carbohydrate-based vaccines, antiadhesion of pathogens (viral, bacterial fungal), fluorosugars, iminosugars and others.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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