Special Issue

Glycans and Glycan-Binding Proteins in Drug Research

Message from the Guest Editors

Glycans are a large and diverse family of biomolecules that contain a huge amount of molecular information that is decoded by lectins through specific carbohydrate-protein interactions. Due to the ubiquitous presence of these molecules in all organisms. carbohydrates are involved in a plethora of biological events, being key players in several pathological and physiological processes, including inflammation, cancer progression and metastases, cell development and differentiation, viral infection, etc. For this reason, carbohydrates and their derivatives are excellent building blocks to create drugs and biotools. The development of specific synthetic strategies and the analytical tools to prepare and characterize well-defined glycan structures have allowed for a deep understanding of their role to be developed, in turn leading to the advancement of this field. This Special Issue aims to collect new contributions in the field. focused on drug development based on glycans, which highlights the relevance of these molecules and the interest that they generate within the scientific community.

Guest Editors

Dr. Francisco Javier Rojo

Glycosystems Laboratory, Instituto de Investigaciones Químicas (IIQ), CSIC—Universidad de Sevilla, Av. Américo Vespucio 49, 41092 Seville, Spain

Dr. Javier Ramos-Soriano

Glycosystems Laboratory, Instituto de Investigaciones Químicas (IIQ), CSIC—Universidad de Sevilla, Av. Américo Vespucio 49, 41092 Seville, Spain

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Pharmaceuticals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Cièncias, Universidade de Lisboa, Lisboa, Portugal

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