

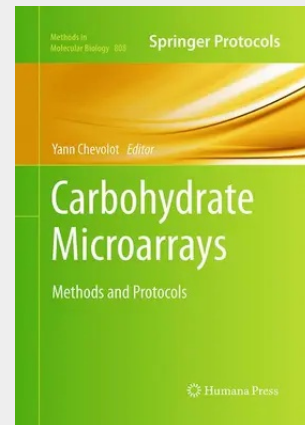
Carbohydrate Microarrays

Methods and Protocols

Carbohydrate microarrays emerged as a key technology for the deciphering of the glycospace by providing a multiplex technology where tens to hundreds of carbohydrates/protein interactions can be probed in parallel. *Carbohydrate Microarrays: Methods and Protocols* aims to give the reader the theoretical and experimental clues necessary for the fabrication and implementation of carbohydrate microarrays. This requires three essential steps: 1) to obtain the carbohydrate probes (monosaccharides, oligosacchrides, polysacchaires, glycoconjugates or glycoclusters), 2) to immobilize these probes, and 3) to implement the protocols for biological/biochemical interaction with the desired target. This volume gives an overview of carbohydrate microarray and carbohydrate chemistry and illustrates different detection techniques and their applications. Written in the successful *Methods in Molecular Biology*™ series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible protocols, and notes on troubleshooting and avoiding known pitfalls.

Authoritative and easily accessible, *Carbohydrate Microarrays: Methods and Protocols* compiles a catalogue of protocols on carbohydrate microarrays to span the needs of researchers around the globe.

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