

22. Functions of glycoconjugates in the membrane microdomains in pathophysiological processes

Koichi Honke (Kochi University Medical School)

The plasma membranes include various microdomains in which special glycolipids and glycoproteins are associated, serving as platforms for cell adhesion and signal transduction. In this study, we will elucidate biological roles of glycoconjugates in these microdomains in development, differentiation, cancer, virus infection and immunity by production of antibodies against microdomain structures and development of probes to observe membrane microdomains in living cells.