

24. Studies on Development of Novel Glycotherapeutics to Control Infection and Symbiosis

Makoto Kiso (Gifu University)

Studies on development of novel glycotherapeutics to control infection and symbiosis have been achieved with the following research projects: (1) Development of innovative basic technology for structure analysis of glycans and its application, (2) Analysis of interaction between botulinum toxin and the small intestinal mucin glycans and its application, (3) Enzymatic synthesis of functional glycocomplex and analysis of interaction between enterobacteria and glycans, and (4) Development of innovative chemical synthetic methods and invention of functional glycan molecules.