

シグナル伝達医学講演会

日時: 2016年10月26日(水)

17:00~18:30

場所: B講義室(臨床研究棟・5F)

Potential role of glycosylation in PTPRA-induced progression of rheumatoid arthritis

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SUMMARY

Receptor-like protein tyrosine phosphatase-RA (PTPRA) is heavily glycosylated in its extracellular domain. Our recent work in collaboration with Nunzio Bottini at UCSD has demonstrated that PTPRA promotes the development of rheumatoid arthritis (RA). However, the exact role of glycans in PTPRA during this disease progression has never been explored. The purpose of this study is to investigate whether glycosylation of PTPRA may regulate outside-in signalling at the site of RA-induced inflammation, and how glycosylation may affect ligand binding, dimer formation or enzymatic activity of PTPRA.

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