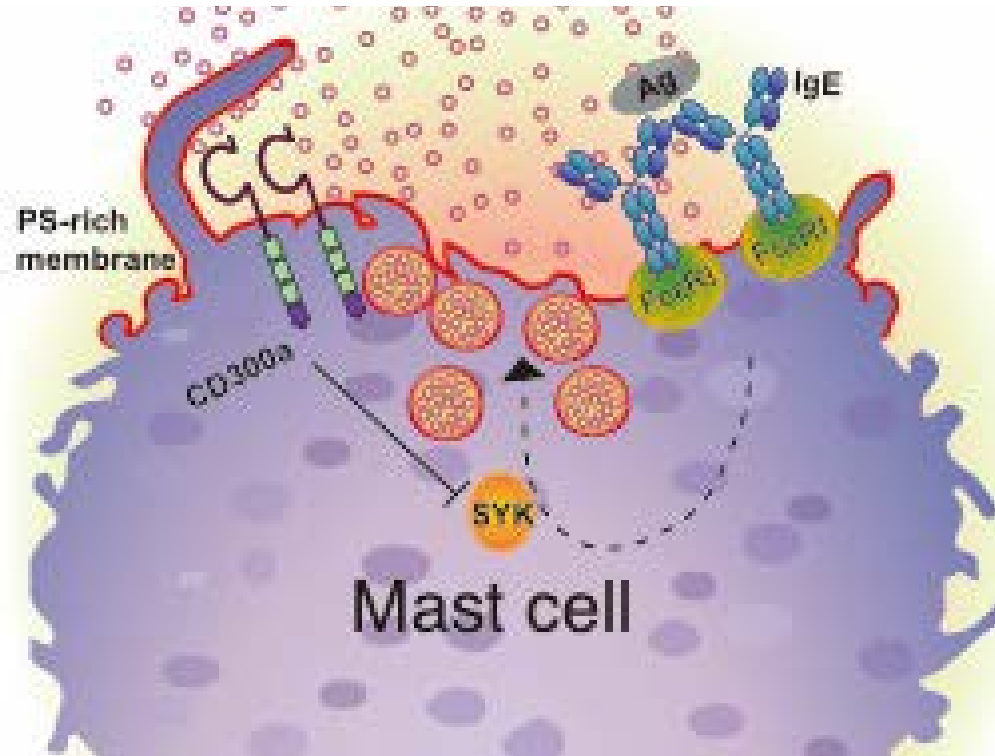


# Autonomous regulation of immunoglobulin E-mediated mast cell degranulation and immediate hypersensitivity reaction by an inhibitory receptor CD300a



Phosphatidylserine (PS) confined to the inner leaflet of plasma membrane is exposed on the cell surface when mast cells are activated. *Cis*-interaction of an inhibitory receptor CD300a with its ligand PS exposed on the cell surface of degranulating mast cells mediates the self-regulation of mast cell degranulation.

References: Wang et al., J. Allergy. Clin. Immunol. 2019; 147:323-327

Contact: Prof. Akira Shibuya