

Tiny lipids in the tiny cells: regulation of platelet production and function by phosphoinositides

Blood platelets are essential for haemostasis as they recognize and bind to the site of vessel injury, contribute to angiogenesis and wound healing. Platelets are produced by precursor cells called megakaryocytes that reside in the bone marrow. Abnormalities in process of platelet development can lead to clinically significant disorders. This talk will focus on the role of a tiny lipid, phosphatidylinositol-3-monophosphate (PI3P) confined to endolysosomal system, and its contribution to the process of platelet development.