

Platelet activation, signaling and aggregation

Striated Muscle Contraction Extracellular matrix organization Degradation of the extracellular matrix **Hemostasis** Platelet degranulation

Muscle contraction Response to elevated platelet cytosolic Ca2+ Cell surface interactions at the vascular wall

Ion homeostasis Binding and Uptake of Ligands by Scavenger Receptors

> Chemokine receptors bind chemokines Phosphorylation of CD3 and TCR zeta chains GPCR ligand binding Peptide ligand-binding receptors Costimulation by the CD28 family

TCR signaling Class A/1 (Rhodopsin-like receptors)

Generation of second messenger molecules Translocation of ZAP-70 to Immunological synapse G alpha (i) signalling events

Regulation of Insulin-like Growth Factor (IGF) transport and uptake by Insulin-like Growth Factor Binding Proteins (IGFBPs)

Resolution of D-loop Structures through Synthesis-Dependent Strand Annealing (SDSA)

