

## Striated Muscle Contraction

Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell Extracellular matrix organization Muscle contraction G alpha (i) signalling events Chemokine receptors bind chemokines Regulation of TLR by endogenous ligand Class A/1 (Rhodepsin-like receptors) Degradation of the extracellular matrix Phase 2 – plateau phase Peptide ligand-binding receptors Binding and Uptake of Ligands by Scavenger Receptors GPCR ligand binding Regulation of Complement cascade Toll-like Receptor Cascades Trafficking and processing of endosomal TLR Initial triggering of complement Complement cascade Alternative complement activation Cytokine Signaling in Immune system Activation of C3 and C5 Signaling by Interleukins Interleukin-1 family signaling Acyl chain remodelling of PS Interleukin-1 processing Response to elevated platelet cytosolic Ca2+ Platelet degranulation Lysosphingolipid and LPA receptors Antigen processing-Cross presentation Platelet activation, signaling and aggregation Detoxification of Reactive Oxygen Species Cell surface interactions at the vascular wall GPVI-mediated activation cascade Signaling by VEGF Fc epsilon receptor (FCERI) signaling RHO GTPases Activate NADPH Oxidases VEGFA-VEGFR2 Pathway DAP12 interactions Arachidonic acid metabolism FCERI mediated MAPK activation Signaling by Receptor Tyrosine Kinases Cross-presentation of particulate exogenous antigens (phagosomes) FCERI mediated Ca+2 mobilization Signal regulatory protein family interactions.

Post translational modification: synthesis of GPI-anchored proteins -C-type lectin receptors (CLRs) DAP12 signaling Regulation of actin dynamics for phagocytic cup formation TCR signaling Dectin-2 family Other semaphorin interactions Role of phospholipids in phagocytosis Translocation of ZAP-70 to Immunological synapse Phosphorylation of CD3 and TCR zeta chains Fcgamma receptor (FCGR) dependent phagocytosis

size

10

15

20

0.005

0.010

0.015

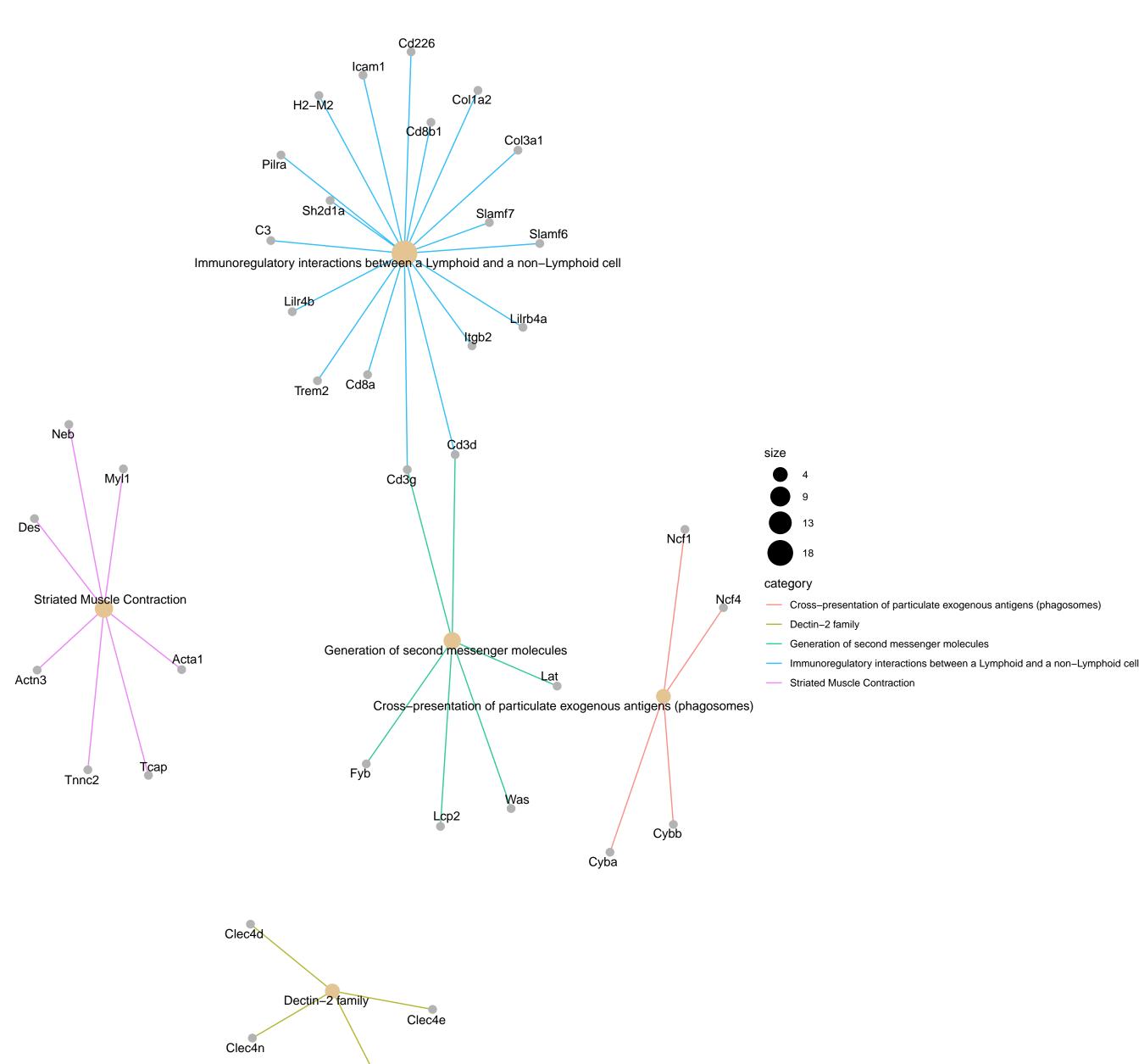
pvalue

Costimulation by the CD28 family

FCGR activation

PD-1 signaling

CD28 dependent Vav1 pathway



Fcer1g