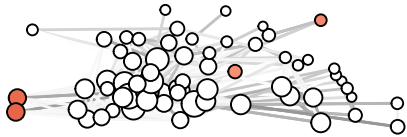
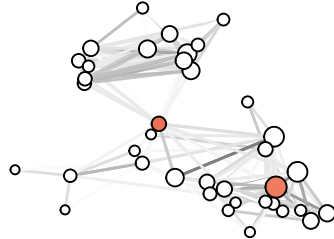


# AGE RELATED OSTEOPOROSIS

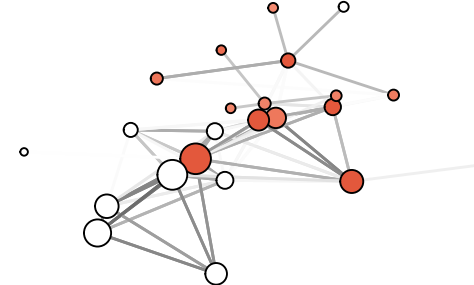
Cell fate: apoptosis, senescence, differentiation



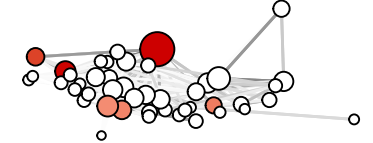
Extracellular matrix organization, coagulation and lipoprotein metabolism



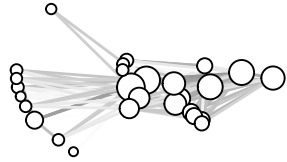
GPCR signaling: Wnt, metabotropic receptors, cytokine receptors



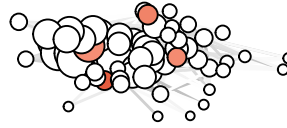
Interferon stimulated genes: interleukins and antigen presentation



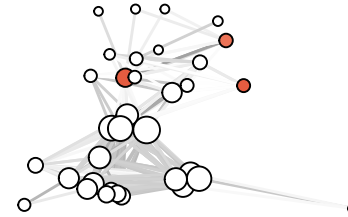
Neurotransmission



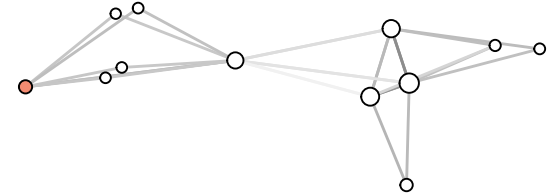
NFkB mediated inflammation induced by TLRs, TCRs and BCRs



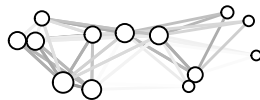
NOTCH and FOXO mediated gene expression



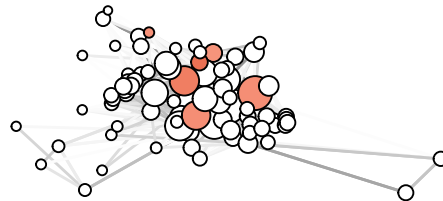
Response against viruses via TGF-SMAD signaling



Response to stress: autophagy, mitophagy, heatshock response



Signal transduction upon growth factor stimulation



Unfolded protein response (UPR)

