Diseases associated with glycosaminoglycan metabolism

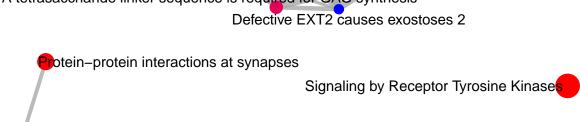
Chondroitin sulfate/dermatan sulfate metabolism

Defective B4GALT7 causes EDS progeroid type

Glycosaminoglycan metabolism

Diseases of glycos Pafective B3GALT6 causes EDSP2 and SEMDJL1

A tetrasaccharide linker sequence is required for CAC synthesis Causes JDSSDHD



Neuronal System

Anchoring fibril formation

Non-integrin membrane-ECN/integriniontegractions

Collagen biosynthesis and modifying enzymes

Laminin interactions

ECM proteoglycans

Collagen formation Integrin cell surface interactions

p.adjust

0.002

0.004

0.006

20

60

size

Crosslinking of collager**diagis**dation of the extracellular m解的 promotes cell motility

Assembly of collagen fibrils and other multimeric structures

Extracellular matrix organization

Collagen chain trimerization

RUNX2 regulates bone development