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Insights into the key roles of epigenetics in matrix macromolecules-associated wound healing

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Abbreviations: ADAMs, a disintegrin and metalloproteinases; ADAMTS, ADAMs with thrombospondin motifs; Col, collagen; CS, chondroitin sulfate; CTGF, connective tissue growth factor; DS, dermatan sulfate; ECM, extracellular matrix; EGF, epidermal growth factor; EMT, epithelial-to-mesenchymal transition; FGF, fibroblast growth factor; GAG, glycosaminoglycan; HA, hyaluronan; HAS, hyaluronan synthase; HPSE, heparanase; HS, heparan sulfate; HSPG, heparan sulfate proteoglycan; IL, interleukin; KS, keratan sulfate; LAM, laminin; miR, microRNA; MMP, metalloproteinase; ncRNAs, non-coding RNAs; NDST1, N-deacetylase/N-sulfotransferase-1; NF- κ B, nuclear factor- κ B; PDGF, platelet-derived growth factor; PG, proteoglycan; pri-miRNA, primary microRNA; RISC, RNA-induced silencing complex; SLRPs, small leucine rich proteoglycans; α SMA, alpha smooth muscle actin; TGF- β , transforming growth factor β ; TIMP, tissue inhibitor of metalloproteinase; TLRs, toll-like receptors; TNF- α , tumor necrosis factor α ; tPA, tissue-type plasminogen activator; uPA, urokinase-type plasminogen activator; UTR, untranslated region; VEGF, vascular endothelial growth factor

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