

SUPPLEMENTARY REFERENCES

1. Chai X, Yan J, Gao Y, Jin J. Endothelial HNF4 α potentiates angiogenic dysfunction via enhancement of vascular endothelial growth factor resistance in T2DM. *J Cell Biochem* 2019; 120:12989-3000.
2. Concinha NV, Sokol L, Teuwen LA, Veys K, Dumas SJ, Meta E, et al. Protocols for endothelial cell isolation from mouse tissues: brain, choroid, lung, and muscle. *STAR Protoc* 2021;2: 100508.
3. Sokol L, Geldhof V, Garcia-Caballero M, Concinha NV, Dumas SJ, Meta E, et al. Protocols for endothelial cell isolation from mouse tissues: small intestine, colon, heart, and liver. *STAR Protoc* 2021;2:100489.
4. Sawada N, Jiang A, Takizawa F, Safdar A, Manika A, Tesmenitsky Y, et al. Endothelial PGC-1 α mediates vascular dysfunction in diabetes. *Cell Metab* 2014;19:246-58.
5. Cheng S, Cui Y, Fan L, Mu X, Hua Y. T2DM inhibition of endothelial miR-342-3p facilitates angiogenic dysfunction via repression of FGF11 signaling. *Biochem Biophys Res Commun* 2018;503:71-8.
6. Zheng H, Li J, Chen Y, Gong D, Wen J, Mai L, et al. Effect of Lentivirus-mediated miR-499a-3p on human umbilical vein endothelial cells. *Biomed Res Int* 2020;2020:9372961.
7. Xue H, Hu L, Xiong Y, Zhu X, Wei C, Cao F, et al. Quaternized chitosan-Matrigel-polyacrylamide hydrogels as wound dressing for wound repair and regeneration. *Carbohydr Polym* 2019;226:115302.
8. Dioufa N, Schally AV, Chatzistamou I, Moustou E, Block NL, Owens GK, et al. Acceleration of wound healing by growth hormone-releasing hormone and its agonists. *Proc Natl Acad Sci U S A* 2010;107:18611-5.
9. Li WW, Guo TZ, Li XQ, Kingery WS, Clark DJ. Fracture induces keratinocyte activation, proliferation, and expression of pro-nociceptive inflammatory mediators. *Pain* 2010;151:843-52.
10. Jin X, Zhang S, Ding T, Zhao P, Zhang C, Zhang Y, et al. Testicular Lmcd1 regulates phagocytosis by Sertoli cells through modulation of NFAT1/Txl α signaling pathway. *Aging Cell* 2020;19:e13217.
11. Wang GG, Wang YZ, Xie J, Huang CY, Kong ZL, Ding X, et al. Cyclic tensile forces enhance the angiogenic properties of HU-VECs by promoting the activities of human periodontal ligament cells. *J Periodontol* 2021;92:159-69.
12. Kilgas S, Kiltie AE, Ramadan K. Immunofluorescence microscopy-based detection of ssDNA foci by BrdU in mammalian cells. *STAR Protoc* 2021;2:100978.
13. Wood LW, Cox NI, Phelps CA, Lai SC, Poddar A, Talbot C Jr, et al. Thyroid transcription factor 1 reprograms angiogenic activities of secretome. *Sci Rep* 2016;6:19857.
14. Bromberg JF, Wrzeszczynska MH, Devgan G, Zhao Y, Pestell RG, Albanese C, et al. Stat3 as an oncogene. *Cell* 1999;98:295-303.
15. Zhang C, Lai JH, Hu B, Zhang S, Zhao J, Li W. A chromatin modifier regulates Sertoli cell response to mono-(2-ethylhexyl) phthalate (MEHP) via tissue inhibitor of metalloproteinase 2 (TIMP2) signaling. *Biochim Biophys Acta* 2014;1839:1170-82.
16. Xiong H, Chen Z, Zhao J, Li W, Zhang S. TNF- α /ENO1 signaling facilitates testicular phagocytosis by directly activating Elmo1 gene expression in mouse Sertoli cells. *FEBS J* 2022;289: 2809-27.