

LARS MAEGDEFESSEL PUBLICATIONS 2014

Peer-reviewed articles

- 1: Maegdefessel L, Spin JM, Raaz U, Eken SM, Toh R, Azuma J, Adam M, Nagakami F, Heymann HM, Chernugobova E, Jin H, Roy J, Hultgren R, Caidahl K, Schrepfer S, Hamsten A, Eriksson P, McConnell MV, Dalman RL, Tsao PS. miR-24 limits aortic vascular inflammation and murine abdominal aneurysm development. *Nat Commun.* 2014 Oct 31;5:5214. doi: 10.1038/ncomms6214. PubMed PMID: 25358394; PubMed Central PMCID: PMC4217126.
- 2: Maegdefessel L. The emerging role of microRNAs in cardiovascular disease. *J Intern Med.* 2014 Dec;276(6):633-44. doi: 10.1111/joim.12298. Epub 2014 Sep 23. PubMed PMID: 25160930.
- 3: Maegdefessel L, Spin JM, Tsao PS. New ways to dismantle a ticking time bomb: microRNA 712/205 and abdominal aortic aneurysm development. *Arterioscler Thromb Vasc Biol.* 2014 Jul;34(7):1339-40. doi: 10.1161/ATVBAHA.114.303952. PubMed PMID: 24951652; PubMed Central PMCID: PMC4176906.
- 4: Maegdefessel L. Micro-effects of smoking in cardiovascular disease aetiology. *Thromb Haemost.* 2014 Jul 3;112(1):15. doi: 10.1160/TH14-05-0438. Epub 2014 Jun 5. PubMed PMID: 24897958.
- 5: Stubbendorff M, Hua X, Deuse T, Ali Z, Reichenspurner H, Maegdefessel L, Robbins RC, Schrepfer S. Inducing myointimal hyperplasia versus atherosclerosis in mice: an introduction of two valid models. *J Vis Exp.* 2014 May 14;(87). doi:10.3791/51459. PubMed PMID: 24893977.
- 6: Deuse T, Hua X, Wang D, Maegdefessel L, Heeren J, Scheja L, Bolavos JP, Rakovic A, Spin JM, Stubbendorff M, Ikeno F, Lüsinger F, Zeller T, Schulte-Uentrop L, Stoehr A, Itagaki R, Haddad F, Eschenhagen T, Blankenberg S, Kiefmann R, Reichenspurner H, Velden J, Klein C, Yeung A, Robbins RC, Tsao PS, Schrepfer S. Dichloroacetate prevents restenosis in preclinical animal models of vessel injury. *Nature.* 2014 May 29;509(7502):641-4. doi: 10.1038/nature13232. Epub 2014 Apr 20. PubMed PMID: 24747400.
- 7: Miller CL, Haas U, Diaz R, Leeper NJ, Kundu RK, Patlolla B, Assimes TL, Kaiser FJ, Perisic L, Hedin U, Maegdefessel L, Schunkert H, Erdmann J, Quertermous T, Sczakiel G. Coronary heart disease-associated variation in TCF21 disrupts a miR-224 binding site and miRNA-mediated regulation. *PLoS Genet.* 2014 Mar 27;10(3):e1004263. doi: 10.1371/journal.pgen.1004263. eCollection 2014 Mar. PubMed PMID: 24676100; PubMed Central PMCID: PMC3967965.
- 8: Kojima Y, Downing K, Kundu R, Miller C, Dewey F, Lancero H, Raaz U, Perisic L, Hedin U, Schadt E, Maegdefessel L, Quertermous T, Leeper NJ. Cyclin-dependent kinase inhibitor 2B regulates efferocytosis and atherosclerosis. *J Clin Invest.* 2014 Mar 3;124(3):1083-97. doi: 10.1172/JCI70391. Epub 2014 Feb 17. PubMed PMID: 24531546; PubMed Central PMCID: PMC3938254.

9: Downing KP, Nead KT, Kojima Y, Assimes T, Maegdefessel L, Quertermous T, Cooke JP, Leeper NJ. The combination of 9p21.3 genotype and biomarker profile improves a peripheral artery disease risk prediction model. *Vasc Med*. 2014 Feb;19(1):3-8. doi: 10.1177/1358863X13514791. Epub 2013 Dec 9. PubMed PMID: 24323119; PubMed Central PMCID: PMC4156022.

10: Maegdefessel L, Dalman RL, Tsao PS. Pathogenesis of abdominal aortic aneurysms: microRNAs, proteases, genetic associations. *Annu Rev Med*. 2014;65:49-62. doi: 10.1146/annurev-med-101712-174206. Epub 2013 Nov 21. Review. PubMed PMID: 24274177.

11: Raaz U, Toh R, Maegdefessel L, Adam M, Nakagami F, Emrich FC, Spin JM, Tsao PS. Hemodynamic regulation of reactive oxygen species: implications for vascular diseases. *Antioxid Redox Signal*. 2014 Feb 20;20(6):914-28. doi: 10.1089/ars.2013.5507. Epub 2013 Sep 17. Review. PubMed PMID: 23879326; PubMed Central PMCID: PMC3924901.

12: Maegdefessel L, Azuma J, Tsao PS. MicroRNA-29b regulation of abdominal aortic aneurysm development. *Trends Cardiovasc Med*. 2014 Jan;24(1):1-6. doi: 10.1016/j.tcm.2013.05.002. Epub 2013 Jul 18. Review. PubMed PMID: 23871588; PubMed Central PMCID: PMC3815986.