

LARS MAEGDEFESSEL PUBLICATIONS 2016**Peer-reviewed articles**

1. Backlund A, Johansson M, Ria M, Ketelhuth DF, Tsikrika P, Chernogubova E, Jin H, Backlund J, Eriksson P, Maegdefessel L, Holmdahl R, Hansson GK, Hamsten A. Accelerated atherosclerosis in the context of rheumatoid arthritis. *European Journal of Immunology* 2016; 46: 440-441.
2. Busch A, Busch M, Scholz CJ, Kellersmann R, Otto C, Chernogubova E, Maegdefessel L, Zerneck A, Lorenz U. Aneurysm miRNA Signature Differs, Depending on Disease Localization and Morphology. *International Journal of Molecular Sciences* 2016; 17.
3. Busch A, Eken SM, Maegdefessel L. Prospective and therapeutic screening value of non-coding RNA as biomarkers in cardiovascular disease. *Annals of Translational Medicine* 2016; 4.
4. Huntley RP, Sitnikov D, Orlic-Milacic M, Balakrishnan R, D'Eustachio P, Gillespie ME, Howe D, Kalea AZ, Maegdefessel L, Osumi-Sutherland D, Petri V, Smith JR, Van Auken K, Wood V, Zampetaki A, Mayr M, Lovering RC. Guidelines for the functional annotation of microRNAs using the Gene Ontology. *Rna* 2016; 22: 667-676.
5. Karunakaran D, Geoffrion M, Wei LH, Gan W, Richards L, Shangari P, DeKemp EM, Beanlands RA, Perisic L, Maegdefessel L, Hedin U, Sad S, Guo L, Kolodgie FD, Virmani R, Ruddy T, Rayner KJ. Targeting macrophage necroptosis for therapeutic and diagnostic interventions in atherosclerosis. *Science Advances* 2016; 2.
6. Kojima Y, Volkmer JP, McKenna K, Civelek M, Lusic AJ, Miller CL, Drenzo D, Nanda V, Ye JQ, Connolly AJ, Schadt EE, Quertermous T, Betancur P, Maegdefessel L, Matic LP, Hedin U, Weissman IL, Leeper NJ. CD47-blocking antibodies restore phagocytosis and prevent atherosclerosis. *Nature* 2016; 536: 86-+.
7. Li YH, Maegdefessel L. My heart will go on-beneficial effects of anti-MiR-30 after myocardial infarction. *Annals of Translational Medicine* 2016; 4.
8. Matic LP, Rykaczewska U, Razuvaev A, Sabater-Lleal M, Lengquist M, Miller CL, Ericsson I, Rohl S, Kronqvist M, Aldi S, Magne J, Paloschi V, Vesterlund M, Li YH, Jin H, Diez MG, Roy J, Baldassarre D, Veglia F, Humphries SE, de Faire U, Tremoli E, Odeberg J, Vukojevic V, Lehtio J, Maegdefessel L, Ehrenborg E, Paulsson-Berne G, Hansson GK, Lindeman JHN, Eriksson P, Quertermous T, Hamsten A, Hedin U, Grp IS. Phenotypic Modulation of Smooth Muscle Cells in Atherosclerosis Is Associated With Downregulation of LMOD1, SYNPO2, PDLIM7, PLN, and SYNM. *Arteriosclerosis Thrombosis and Vascular Biology* 2016; 36: 1947-1961.
9. Nanda V, Downing KP, Ye JQ, Xiao S, Kojima Y, Spin JM, DiRenzo D, Nead KT, Connolly AJ, Dandona S, Perisic L, Hedin U, Maegdefessel L, Dalman J, Guo L, Zhao XQ, Kolodgie FD, Virmani R, Davis HR, Leeper NJ. CDKN2B Regulates TGF beta Signaling and Smooth Muscle Cell Investment of Hypoxic Neovessels. *Circulation Research* 2016; 118: 230-240.

10. Ouimet M, Hennessy EJ, van Solingen C, Koelwyn GJ, Hussein MA, Ramkhelawon B, Rayner KJ, Temel RE, Perisic L, Hedin U, Maegdefessel L, Garabedian MJ, Holdt LM, Teupser D, Moore KJ. miRNA Targeting of Oxysterol-Binding Protein-Like 6 Regulates Cholesterol Trafficking and Efflux. *Arteriosclerosis Thrombosis and Vascular Biology* 2016; 36: 942-951.
11. Perisic L, Aldi S, Sun Y, Folkersen L, Razuvaev A, Roy J, Lengquist M, Akesson S, Wheelock CE, Maegdefessel L, Gabrielsen A, Odeberg J, Hansson GK, Paulsson-Berne G, Hedin U. Gene expression signatures, pathways and networks in carotid atherosclerosis. *Journal of Internal Medicine* 2016; 279: 293-308.
12. Raaz U, Schellinger I, Maegdefessel L, Spin J, Hasenfuss G, Tsao P. MicroRNA miR-29b is a mediator of aortic stiffness and hypertension in a murine model of diabetes mellitus type 2. *Internist* 2016; 57: S58-S58.
13. Raaz U, Zollner AM, Schellinger IN, Toh R, Nakagami F, Brandt M, Emrich FC, Kayama Y, Eken S, Adam M, Maegdefessel L, Hertel T, Deng A, Jagger A, Buerke M, Dalman RL, Spin JM, Kuhl E, Tsao PS. Response to Letters Regarding Article, "Segmental Aortic Stiffening Contributes to Experimental Abdominal Aortic Aneurysm Development". *Circulation* 2016; 133: E11-E12.
14. Sennblad B, Basu S, Mazur J, Suchon P, Martinez-Perez A, Vlieg AV, Truong V, Li Y, Gadin JR, Tang W, Grossman V, Handin N, Franco-Cereceda A, Morange PE, Maegdefessel L, Gagnon F, Soria JM, Eriksson P, Hamsten A, Rosendaal FR, Wild P, Tregouet D, Folsom A, Sabater-Lleal M. Novel mechanisms regulating Factor XI plasma levels. *Journal of Thrombosis and Haemostasis* 2016; 14: 64-64.
15. Stellos K, Gatsiou A, Stamatelopoulos K, Matic LP, John D, Lunella FF, Jae N, Rossbach O, Amrhein C, Sigala F, Boon RA, Furtig B, Manavski Y, You XT, Uchida S, Keller T, Boeckel JN, Franco-Cereceda A, Maegdefessel L, Chen W, Schwalbe H, Bindereif A, Eriksson P, Hedin U, Zeiher AM, Dimmeler S. Adenosine-to-inosine RNA editing controls cathepsin S expression in atherosclerosis by enabling HuR-mediated post-transcriptional regulation. *Nature Medicine* 2016; 22: 1140-1150.
16. Strawbridge RJ, Hilding A, Silveira A, Ouml;sterholm C, Sennblad B, McLeod O, Tsikrika P, Foroogh F, Tremoli E, Baldassarre D, Veglia F, Rauramaa R, Smit AJ, Giral P, Kurl S, Mannarino E, Grossi E, Syvanen AC, Humphries SE, de Faire U, Ouml;stenson CG, Maegdefessel L, Hamsten A, Backlund A, Grp IS. Soluble CD93 Is Involved in Metabolic Dysregulation but Does Not Influence Carotid Intima-Media Thickness. *Diabetes* 2016; 65: 2888-2899.