

LARS MAEGDEFESSEL PUBLICATIONS 2017**Peer-reviewed articles**

1. Backlund A, Gertow K, Jin H, Olsson L, Gonzalez-Diez M, Sabater-Lleal M, Strawbridge RJ, Sennblad B, Ohrvik J, Zabaneh D, Shah S, Veglia F, Folkersen L, Gigante B, Leander K, Vikstrom M, Silveira A, Colombo GI, Gabrielsen A, Hedin U, Franco-Cereceda A, Paulsson-Berne G, Nyyssonen K, Tuomainen TP, Savonen K, Rauramaa R, Smit AJ, Giral P, Mannarino E, van der Laan SW, Pasterkamp G, Hansson GK, Eriksson P, Baldassarre D, Tremoli E, de Faire U, Humphries SE, Hamsten A, Holmdahl R, Maegdefessel L. Identification of NCF4 as a Novel Regulator in Arterial Remodeling and Advanced Atherosclerosis. *Arteriosclerosis Thrombosis and Vascular Biology* 2017; 37.
2. Busch A, Chernogubova E, Li YH, Lorenz U, Roy J, Hultgren R, Maegdefessel L. Smc Phenotype Switch Targeting Apoe is a Therapeutic Target in Popliteal Aneurysm. *Arteriosclerosis Thrombosis and Vascular Biology* 2017; 37.
3. Busch A, Grimm C, Hartmann E, Paloschi V, Kickuth R, Lengquist M, Otto C, Eriksson P, Kellersmann R, Lorenz U, Maegdefessel L. Vessel wall morphology is equivalent for different artery types and localizations of advanced human aneurysms. *Histochemistry and Cell Biology* 2017; 148: 425-433.
4. Eken SM, Jin H, Chernogubova E, Li YH, Simon N, Sun CY, Korzunowicz G, Busch A, Backlund A, Osterholm C, Razuvaev A, Renne T, Eckstein HH, Pelisek J, Eriksson P, Diez MG, Matic LP, Schellinger IN, Raaz U, Leeper NJ, Hansson GK, Paulsson-Berne G, Hedin U, Maegdefessel L. MicroRNA-210 Enhances Fibrous Cap Stability in Advanced Atherosclerotic Lesions. *Circulation Research* 2017; 120: 633-+.
5. Eken SM, Jin H, Chernogubova E, Li YH, Simon N, Sun CY, Korzunowicz G, Busch A, Backlund A, Osterholm C, Razuvaev A, Renne T, Eckstein HH, Pelisek J, Eriksson P, Diez MG, Perisic LM, Schellinger IN, Raaz U, Leeper NJ, Hansson GK, Paulsson-Berne G, Hedin U, Maegdefessel L. MiRNA-210 Enhances Fibrous Cap Stability in Advanced Atherosclerotic Lesions. *Arteriosclerosis Thrombosis and Vascular Biology* 2017; 37.
6. Jin H, Li YH, Chernogubova E, Backlund A, Sellberg S, Sun CY, Busch A, Eken SM, Perisic L, Hedin U, Tsantilas P, Eckstein HH, Pelisek J, Maegdefessel L. Inhibition of Nudt6 Stabilizes Advanced Atherosclerotic Plaques. *Arteriosclerosis Thrombosis and Vascular Biology* 2017; 37.
7. Karlof E, Dias N, Lengquist M, Witasz A, Stenvinkel P, Maegdefessel L, Matic LP, Hedin U. Combination of Preoperative CT and Carotid Plaque Gene Expression Profiling Demonstrates an Association Between Calcification and Plaque-Stabilizing Processes. *Journal of Vascular Surgery* 2017; 65: 23S-24S.
8. Karunakaran D, Geoffrion M, Lee R, Wei LH, Gan W, Perisic L, Maegdefessel L, Hedin U, Sad S, Guo L, Kolodgie F, Ruddy T, Virmani R, Rayner K. Therapeutically inhibiting macrophage necroptosis reduces inflammation-driven atherosclerosis and promotes plaque stability. *Faseb Journal* 2017; 31.

9. Kim JB, Pjanic M, Nguyen T, Miller CL, Iyer D, Liu BX, Wang T, Sazonova O, Carcamo-Orive I, Matic LP, Maegdefessel L, Hedin U, Quertermous T. TCF21 and the environmental sensor aryl-hydrocarbon receptor cooperate to activate a pro-inflammatory gene expression program in coronary artery smooth muscle cells. *Plos Genetics* 2017; 13.
10. Li YH, Jin H, Busch A, Chernogubova E, Backlund A, Olofsson A, Eken S, Sun CY, Simon N, Korzunowicz G, Eriksson P, Hultgren R, Roy J, Spin J, Tsao P, Maegdefessel L. The Long Non-Coding RNA H19 Regulates Experimental Abdominal Aortic Aneurysm Development and Progression. *Arteriosclerosis Thrombosis and Vascular Biology* 2017; 37.
11. Li YH, Maegdefessel L. Non-coding RNA Contribution to Thoracic and Abdominal Aortic Aneurysm Disease Development and Progression. *Frontiers in Physiology* 2017; 8.
12. Nguyen MA, Karunakaran D, Geoffrion M, Cheng HS, Matic LP, Hedin U, Maegdefessel L, Fish JE, Rayner KJ. Extracellular Vesicles Secreted by Atherogenic Macrophages Transfer Microna to Inhibit Cell Migration. *Arteriosclerosis Thrombosis and Vascular Biology* 2017; 37.
13. Paloschi V, Maegdefessel L. Towards Point-of-Care Measurements Using Noncoding RNAs A Novel Tool to Monitor Aggravation of Advanced Atherosclerotic Lesions. *Circulation-Cardiovascular Genetics* 2017; 10.
14. Sennblad B, Basu S, Mazur J, Suchon P, Martinez-Perez A, Vlieg AV, Truong V, Li YH, Gadin JR, Tang WH, Grossman V, de Haan HG, Handin N, Silveira A, Souto JC, Franco-Cereceda A, Morange PE, Gagnon F, Soria JM, Eriksson P, Hamsten A, Maegdefessel L, Rosendaal FR, Wild P, Folsom AR, Tregouet DA, Sabater-Lleal M. Genome-wide association study with additional genetic and post-transcriptional analyses reveals novel regulators of plasma factor XI levels. *Human Molecular Genetics* 2017; 26: 637-649.
15. Soderstrom LA, Jin H, Caravaca AS, Klement ML, Li YH, Gistera A, Hedin U, Maegdefessel L, Hansson GK, Olofsson PS. Increased Carotid Artery Lesion Inflammation Upon Treatment With the CD137 Agonistic Antibody 2A. *Circulation Journal* 2017; 81: 1945-1952.