

Titel	Authors	Journal etc.	Year/Vol/issue	Metadata identifier DOI	WP	
Oxidized Phospholipids on Lipoprotein(a) Elicit Arterial Wall Inflammation and an Inflammatory Monocyte Response in Humans Clinical Perspective	Fleur M. van der Valk, Siroon Bekkering, Jeffrey Kroon, et al.	Circulation	2016;134:611-624	10.1161/CIRCULATIONAHA.116.020838	4	Portal nr 1
Diabetes propels the risk for cardiovascular disease: sweet monocytes becoming aggressive?	Janna A. van Diepen, Kathrin Thiem, Rinke Stienstra, et al.	Cellular and Molecular Life Sciences	(2016) 73: 4675.	10.1007/s00018-016-2316-9	3	Portal nr 2
Unexpected arterial wall and cellular inflammation in patients with rheumatoid arthritis in remission using biological therapy: a cross-sectional study	Sophie J. Bernelot Moens, Fleur M. van der Valk, Aart C. Strang, et al.	Arthritis Research & Therapy	18, 115 (2016).	10.1186/s13075-016-1008-z	5	Portal nr 3
Erratum to: Unexpected arterial wall and cellular inflammation in patient	Sophie J. Bernelot Moens, Fleur M. van der Valk, Aart C. Strang, et al.	Arthritis Research & Therapy	18, 298 (2016).	10.1186/s13075-016-1198-4	5	Portal nr 4
Innate immune cell activation and epigenetic remodeling in symptomatic and asymptomatic atherosclerosis in humans in vivo	Siroon Bekkering, Inge van den Munckhof, Tim Nielen, et al.	Atherosclerosis	2016, Volume 254, Pages 228-236	10.1016/j.atherosclerosis.2016.10.019	3	Portal nr 5
Long-term activation of the innate immune system in atherosclerosis	Anette Christ, Siroon Bekkering, Eicke Latz, Niels P. Riksen	Seminars in Immunology	28 (2016) 384-393	10.1016/j.simm.2016.04.004	3	Portal nr 6
In Vitro Experimental Model of Trained Innate Immunity in Human Primary Monocytes	Siroon Bekkering, Bastiaan A. Blok, Leo A. B. Joosten, et al.	Clinical and Vaccine Immunology	Dec 2016, 23 (12) 926-933	10.1128/CVI.00349-16	3	Portal nr 7
Glutaminolysis and Fumarate Accumulation Integrate Immunometabolic and Epigenetic Programs in Trained Immunity	Rob J.W. Arts, Boris Novakovic, Rob ter Horst, et al.	Cell Metabolism	2016, VOLUME 24, ISSUE 6, P807-819.	10.1016/j.cmet.2016.10.008	3	Portal nr 8
Biology of proprotein convertase subtilisin kexin 9: beyond low-density lipoprotein cholesterol lowering	Giuseppe Danilo Norata, Hagai Tavori, Angela Pirillo, et al.	Cardiovascular Research	Volume 112, Issue 1, October 2016, Pages 429-442	10.1093/cvr/cvz194	4	Portal nr 9
Specific and Complex Reprogramming of Cellular Metabolism in Myeloid Cells during Innate Immune Responses	Rinke Stienstra, Romana T. Netea-Maier, Niels P. Riksen, et al.	Cell Metabolism	VOLUME 26, ISSUE 1, P142-156.	10.1016/j.cmet.2017.06.001	3	Portal nr 10
Planarians SET New Paths for Innate Immune Memory	Samuel T. Keating, Niels P. Riksen, Mihai G. Netea	EBioMedicine	VOLUME 20, P7-8, JUNE 01, 2017	10.1016/j.ebiom.2017.05.007	3	Portal nr 11
Macrophage Kdm6b controls the pro-fibrotic transcriptome signature of foam cells	Annette E Neele, Koen HM Prange, Marten A Hoeksema, et al.	Epigenomics	VOL. 9, No. 4	10.2217/epi-2016-0152	2	Portal nr 12
Monocyte and haematopoietic progenitor reprogramming as common mechanism underlying chronic inflammatory and cardiovascular diseases	Renate M Hoogeveen, Matthias Nahrendorf, Niels P Riksen, et al.	European Heart Journal	Volume 39, Issue 38, 07 October 2018, Pages 3521-3527.	10.1093/eurheartj/ehx581	2	Portal nr 13
Epigenetics and Trained Immunity	Charlotte D.C.C. van der Heijden, Marlies P. Noz, et al.	Antioxidants & Redox Signaling	Vol. 29, No. 11	10.1089/ars.2017.7310	3	Portal nr 14
Targeting CD40-Induced TRAF6 Signaling in Macrophages Reduces Atherosclerosis	Tom T.P. Seijkens, Claudia M. van Tiel, Pascal J.H. Kusters, et al.	Journal of the American College of Cardiology	Volume 71, Issue 5, 6 February 2018, Pages 527-542	10.1016/j.jacc.2017.11.055	2	Portal nr 15
Exploring immune checkpoints as potential therapeutic targets in atherosclerosis	Pascal J H Kusters, Esther Lutgens, Tom T P Seijkens	Cardiovascular Research	Volume 114, Issue 3, 01 March 2018, Pages 368-377.	10.1093/cvr/cvx248	2	Portal nr 16
The maturation of a 'neural-hematopoietic' inflammatory axis in cardiovascular disease	Lotte C.A. Stiekema, Johan G. Schmitzler, Matthias Nahrendorf, Erik S.G. Stroes	Current Opinion in Lipidology	28(6):507-512, DECEMBER 2017	10.1097/MOL.0000000000000457	2	Portal nr 17
Trained Innate Immunity as a Novel Mechanism Linking Infection and the Development of Atherosclerosis	Jenneke Leentjens, Siroon Bekkering, Leo A Joosten, et al.	Circulation Research	Vol. 122, No. 5 :122:664-669	10.1161/CIRCRESAHA.117.312465	3	Portal nr 18
Metabolic Induction of Trained Immunity through the Mevalonate Pathway	Siroon Bekkering, Rob J.W. Arts, Boris Novakovic, et al.	Cell	VOLUME 172, ISSUE 1-2, P135-146.E9, JANUARY 11, 2018	10.1016/j.cell.2017.11.025	3	Portal nr 19
PCSK9 monoclonal antibodies reverse the pro-inflammatory profile of monocytes in familial hypercholesterolemia	Sophie J. Bernelot Moens, Annette E. Neele, Jeffrey Kroon, et al.	European Heart Journal	Volume 38, Issue 20, 21 May 2017, Pages 1584-1593.	10.1093/eurheartj/ehx002	4	Portal nr 20
Nile Red Quantifier: a novel and quantitative tool to study lipid accumulation in patient-derived circulating monocytes using confocal microscopy	Johan G. Schmitzler, Sophie J. Bernelot Moens, Feiko Tiessens, et al.	Journal of Lipid Research	2019 60:(7) 1333-1344.	10.1194/jlr.D073197	4	Portal nr 21
Remnant Cholesterol Elicits Arterial Wall Inflammation and a Multilevel Cellular Immune Response in Humans Highlights	Sophie J. Bernelot Moens, Simone L. Verweij, Johan G. Schmitzler, et al.	Arteriosclerosis, Thrombosis, and Vascular Biology	2017;37:969-975	10.1161/ATVBAHA.116.308834	4	Portal nr 22
CCR2 expression on circulating monocytes is associated with arterial wall inflammation assessed by 18F-FDG PET/CT in patients at risk for cardiovascular disease	Simone L Verweij, Raphaël Duivenvoorden, Lotte C.A Stiekema, et al.	Cardiovascular Research	Volume 114, Issue 3, 01 March 2018, Pages 468-475.	10.1093/cvr/cvx224	4	Portal nr 23
Western Diet Triggers NLRP3-Dependent Innate Immune Reprogramming	Anette Christ, Patrick Günther, Mario A.R. Lauterbach, Peter Diewell, et al.	Cell	VOLUME 172, ISSUE 1-2, P162-175.E14, Jan 2018	10.1016/j.cell.2017.12.013	2	Portal nr 24
Epigenetics in diabetic nephropathy, immunity and metabolism	Samuel T. Keating, Janna A. van Diepen, Niels P. Riksen, Assam El-Osta	Diabetologia	61, pages 6-20 (2018)	10.1007/s00125-017-4490-1	3	Portal nr 25
Monocyte and macrophage immunometabolism in atherosclerosis	Laszlo Groh, Samuel T. Keating, Leo A. B. Joosten, Mihai G. Netea, Niels P. Riksen	Seminars in Immunopathology	40, pages 203-214 (2018)	10.1007/s00281-017-0656-7	3	Portal nr 26
Myeloid apolipoprotein E controls dendritic cell antigen presentation and T cell activation	Fabrizia Bonacina, David Coe, Guosu Wang, Maria P. Longhi, et al.	Nature Communications	9, Article number: 3083 (2018)	10.1038/s41467-018-05322-1	2	Portal nr 27
Anti-PCSK9 antibodies for the treatment of heterozygous familial hypercholesterolemia: patient selection and perspectives	Alberico Catapano, Angela Pirillo, Giuseppe Danilo Norata	Vascular health and Risk Management	Volume 2017:13 Pages 343-351	10.2147/VHRM.S130338	4	Portal nr 28
Myeloid cell contributions to cardiovascular health and disease	Matthias Nahrendorf	Nature Medicine	24, pages 711-720 (2018)	10.1038/s41591-018-0064-0	2	Portal nr 29
Macrophages and Cardiovascular Health	Vanessa Frodermann, Matthias Nahrendorf, Katrien Vandoorne, David Rohde, Hye-Young Kim, et al.	Physiological Reviews	Volume 98, Issue 4, Oct 2018; Pages 2523-2569	10.1152/physrev.00068.2017	2	Portal nr 30
Imaging the Vascular Bone Marrow Niche During Inflammatory Stress	Suzanne A. B. M. Aarts, Myrthe E. Reiche, Myrthe den Toom, et al.	Circulation Research	2018;123:415-427	10.1161/circresaha.118.313302	4	Portal nr 31
Macrophage CD40 plays a minor role in obesity-induced metabolic dysfunction	Suzanne A. B. M. Aarts, Myrthe E. Reiche, Myrthe den Toom, et al.	PLOS ONE	13(8): e0202150	10.1371/journal.pone.0202150	2	Portal nr 32
Future directions for therapeutic strategies in post-ischaemic vascularization: a position paper from European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology	Andrea Caporali, Magnus Bäck, Mat J Daemen, et al.	Cardiovascular Research	Volume 114, Issue 11, 01 September 2018, Pages 1411-1421.	10.1093/cvr/cvy184	2	Portal nr 33
2016 Jeffrey M. Hoeg Award Lecture	Ellen Rouwet, Esther Lutgens	Arteriosclerosis, Thrombosis, and Vascular Biology	2018;38:1678-1688	10.1161/atvaha.118.307742	2	Portal nr 34
Myeloid Kdm6b deficiency results in advanced atherosclerosis	Annette E. Neele, Marion J.J. Gijbels, Saskia van der Velden, et al.	Atherosclerosis	August 2018 Volume 275, Pages 156-165	10.1016/j.atherosclerosis.2018.05.052	2	Portal nr 35
CD40L Deficiency Protects Against Aneurysm Formation	Pascal J.H. Kusters, Tom T.P. Seijkens, Linda Beckers, et al.	Arteriosclerosis, Thrombosis, and Vascular Biology	2018;38:1076-1085	10.1161/atvaha.117.310640	2	Portal nr 36
TET1 is an important transcriptional activator of TNFα expression in macrophages	Fangfang Sun, Irene Abreu-Rodriguez, Shuang Ye, et al.	PLOS ONE	14(6): e0218551	10.1371/journal.pone.0218551	3	Portal nr 37
Oligomeric S100A4 Is Associated With Monocyte Innate Immune Memory and Bypass of Tolerance to Subsequent Stimulation With Lipopolysaccharides	Michel Neidhart, Agnieszka Pajak, Katerina Laskari, et al.	Frontiers in Immunology	2019 Apr 15;10:791.	10.3389/fimmu.2019.00791	5	Portal nr 38
Trained immunity and atherosclerotic cardiovascular disease	Niels P. Riksen	Current Opinion in Lipidology	30(5):395-400, OCTOBER 2019	10.1097/mol.0000000000000628	3	Portal nr 39
Treatment with Statins Does Not Revert Trained Immunity in Patients with Familial Hypercholesterolemia	Siroon Bekkering, Lotte C.A. Stiekema, Sophie Bernelot Moens, Simone L. Verweij, et al.	Cell Metabolism	2019 Jul 2;30(1):1-2	10.1016/j.cmet.2019.05.014	4	Portal nr 40
Aldosterone induces trained immunity: the role of fatty acid synthesis	Charlotte D C C van der Heijden, Samuel T Keating, Laszlo Groh, et al.	Cardiovascular Research	Volume 116, Issue 2, 1 February 2020, Pages 317-328	10.1093/cvr/cvz137	4	Portal nr 41
Immunometabolism orchestrates training of innate immunity in atherosclerosis	Julia van Tuijl, Leo A B Joosten, Mihai G Netea, et al.	Cardiovascular Research	Volume 115, Issue 9, 15 July 2019, Pages 1416-1424	10.1093/cvr/cvz107	3	Portal nr 42
Plant-based sterols and stanols in health & disease: "Consequences of human development in a plant-based environment?"	J. Plat, S. Baumgartner, T. Vanmierlo, D. Et al	Progress in Lipid Research	Volume 74, April 2019, Pages 87-102	10.1016/j.plipres.2019.02.003	3	Portal nr 43
Getting to the marrow of trained immunity	Laszlo Groh, Mihai G Netea, Niels P Riksen, Samuel T Keating	Epigenomics	VOL. 10, No. 9	10.2217/epi-2018-0098	3	Portal nr 44
Be aware, innate immune cells remember	Niels P. Riksen, Mihai G. Netea	Aging	Volume 10, Issue 9 pp 2218-2219	10.18632/aging.101552	3	Portal nr 45
Role of gut microbiota in chronic low-grade inflammation as potential driver for atherosclerotic cardiovascular disease: a systematic review of human studies	I. C. L. van den Munckhof, A. Kurilshikov, R. ter Horst, et al.	Obesity Reviews	Volume19, Issue12 December 2018 Pages 1719-1734	10.1111/obr.12750	3	Portal nr 46
Metabolism of innate immune cells	Niels P. Riksen, Rinke Stienstra	Current Opinion in Lipidology	29(5):359-367, OCTOBER 2018	10.1097/mol.0000000000000539	3	Portal nr 47
The mineralocorticoid receptor as a modulator of innate immunity and atherosclerosis	Charlotte D C C van der Heijden, Jaap Deinum, Leo A B Joosten, et al.	Cardiovascular Research	Volume 114, Issue 7, 01 June 2018, Pages 944-953	10.1093/cvr/cvy092	3	Portal nr 48

Deficiency of the T cell regulator Casitas B-cell lymphoma-B aggravates atherosclerosis by inducing CD8+ T cell-mediated macrophage death	Tom T P Seijkens, Kikkie Poels, Svenja Meiler, et al.	European Heart Journal	Volume 40, Issue 4, 21 January 2019, Pages 372-382	10.1093/eurheartj/ehy714	2	Portal nr 49
Familial hypercholesterolemia treatments: Guidelines and new therapies	Frederick J. Raal, G. Kees Hovingh, Alberico L. Catapano	Atherosclerosis	October 2018 Volume 277, Pages 483-492	10.1016/j.atherosclerosis.2018.06.859	4	Portal nr 50
Prolonged hematopoietic and myeloid cellular response in patients after an acute coronary syndrome measured with 18F-DPA-714 PET/CT	Simone L. Verweij, Lotte C. A. Stiekema, Ronak Delewi, et al.	European Journal of Nuclear Medicine and Molecular Imaging	45, pages 1956-1963 (2018)	10.1007/s00259-018-4038-8	4	Portal nr 51
The Interplay of Lipids, Lipoproteins, and Immunity in Atherosclerosis	Angela Pirillo, Fabrizia Bonacina, Giuseppe Danilo Norata, Alberico Luigi Catapano	Current Atherosclerosis Reports	20, Article number: 12 (2018)	10.1007/s11883-018-0715-0	3	Portal nr 52
Evaluation of the performance of Dutch Lipid Clinic Network score in an Italian FH population: The LIPiGEN study	Manuela Casula, Elena Olmastroni, Angela Pirillo, et al.	Atherosclerosis	October 2018 Volume 277, Pages 413-418	10.1016/j.atherosclerosis.2018.08.013	4	Portal nr 53
Identifying the anti-inflammatory response to lipid lowering therapy: a position paper from the working group on atherosclerosis and vascular biology of the European Society of Cardiology	José Tuñón, Lina Badimón, Marie-Luce Bochaton-Piallat, et al.	Cardiovascular Research	Volume 115, Issue 1, 01 January 2019, Pages 10-19	10.1093/cvr/cvy293	4	Portal nr 54
Small molecule-mediated inhibition of CD40-TRAF6 reduces adverse cardiac remodelling in pressure overload induced heart failure	Lena Bosch, Judith de Haan, Tom Seijkens, Claudia van Tiel, et al.	International Journal of Cardiology	VOLUME 279, P141-144, MARCH 15, 2019	10.1016/j.ijcard.2018.12.076	2	Portal nr 55
The Link between Hematopoiesis and Atherosclerosis	Menno P.J. de Winther, Esther Lutgens	New England Journal of Medicine	2019; 380:1869-1871	10.1016/j.jcard.2018.12.076	2	Portal nr 56
Immunotherapy for cardiovascular disease	Esther Lutgens, Dorothee Atzler, Yvonne Döring, et al.	European Heart Journal	Volume 40, Issue 48, 21 December 2019, Pages 3937-3946	10.1093/eurheartj/ehz283	2	Portal nr 57
Depletion of CD40 on CD11c+ cells worsens the metabolic syndrome and ameliorates hepatic inflammation during NASH	Suzanne Aarts, Myrthe Reiche, Myrthe den Toom, Marion Gijbels, et al.	Scientific reports	9, Article number: 14702 (2019)	10.1038/s41598-019-50976-6	2	Portal nr 58
Epigenetic Quenching of VSMC Inflammation in CVT	Esther Lutgens	Atherosclerosis, Thrombosis, and Vascular Biology	2019;39:2199-2200	10.1161/atvbaha.119.313345	2	Portal nr 59
Peritoneal macrophages have an impaired immune response in obesity which can be reversed by subsequent weight loss	Lisa Willemsen, Annette E Neele, Saskia van der Velden, et al.	BMJ Open Diabetes Research & Care	2019;7:e000751	10.1136/bmjdr-2019-000751	2	Portal nr 60
Tissue-Specific Macrophage Responses to Remote Injury Impact the Outcome of Subsequent Local Immune Challenge	Friedrich Felix Hoyer, Kamila Naxerova, Maximilian J. Schloss, et al.	Immunity	VOLUME 51, ISSUE 5, P899-914.E7, NOVEMBER 19, 2019	10.1016/j.immuni.2019.10.010	2	Portal nr 61
Exercise reduces inflammatory cell production and cardiovascular inflammation via instruction of hematopoietic progenitor cells	Vanessa Frödermann, David Rohde, Gabriel Courties, Nicolas Sève, et al.	Nature Medicine	25, pages 1761-1771 (2019)	10.1038/s41591-019-0633-x	2	Portal nr 62
PCSK9 antibody alirocumab attenuates arterial wall inflammation without changes in circulating inflammatory markers.	Hoogeveen RM, Opstal TSJ, Kaiser Y, Stiekema LCA, et al.	JACC Cardiovasc Imaging	2019 Dec;12(12):2571-2573	10.1016/j.jcmg.2019.06.022	4	Portal nr 63
Persistent arterial wall inflammation in patients with elevated Lp(a) despite strong LDL reduction by PCSK9-ab treatment	Stiekema LCA, Stroes ESG, Verweij SL, et al.	Eur Heart J	2019 Sep 1;40(33):2775-2781	10.1093/eurheartj/ehy862	4	Portal nr 64
Potent lipoprotein(a) lowering following apolipoprotein(a) antisense treatment reduces the pro-inflammatory activation of circulating monocytes in patients with elevated lipoprotein a.	Stiekema LCA, Kroon J, Stroes ESG, et al.	Eur Heart J	2020 (minor revision)	-	4	