INSTITUT FÜR PROPHYLAXE & EPIDEMIOLOGIE DER KREISLAUFKRANKHEITEN (IPEK)

DIREKTOR: UNIV.-PROF. DR. CHRISTIAN WEBER

ANZAHL DER PLANSTELLEN FÜR WISSENSCHAFTLICHE MITARBEITER: 17

ANZAHL DER PLANSTELLEN FÜR NICHT-WISSENSCHAFTLICHE MITARBEITER: 13
ANZAHL ALLER DRITTMITTELFINANZIERTEN MITARBEITER: 73

DRITTMITTELAUSGABEN (IN €):

	Anzahl Projekte	Ausgaben 2015 laut Verwaltung
DFG	28	2.461.840
BMBF, StMWFK, EU	26	1.244.029
Stiftungen (Humboldt, Fondation Leducq, etc.)	13	398.534
LMU excellent	5	366.779
Summe begutachtete externe Drittmittel		**4.471.182**

	Anzahl Projekte	Ausgaben 2015 laut Verwaltung
FöFoLe	3	46.651
Lebmit (Invest.)	7	44.200
Promotionsstipendien	2	32.000
Summe interne Drittmittel		**122.851**

Gesamtsumme verausgabte Drittmittel		**4.594.033**

PUBLIKATIONEN:

	Anzahl	ungewichteter IF
Im WoS gelistete Originalarbeiten, Reviews, Editorials	67	484.5
Nicht im WoS gelistete Originalarbeiten, Reviews, Editorials	4	19.2
Beiträge in Lehr-/Handbüchern, Monographien		
Gesamtsumme	**71**	**503.7**

FORSCHUNGSSCHWERPUNKTE

- Chemokine und Chemokinrezeptoren bei entzündlicher und atherogener Leukozytenrekrutierung
- Versatile Regulation der Atherosklerose durch microRNAs
- Funktion der Neutrophilen und Ihrer Sekretion in frühen Stadien der Atherosklerose
- Rolle von Chemokinen und Chemokin-ähnliche Funktionen von MIF in der Atherosklerose und Restenose
- Struktur und Funktion der Heterooligomerisierung und Proteoglykanbindung von Chemokinen (‚Interaktom')
- Signaltransduktion der Integrinregulation in Leukozyten und der endothelialen Aktivierung durch Zytokine
- Junktionale Adhäsionsmoleküle in der transendothelialen Diapedese und der vaskulären Entzündungsreaktion
- Chemokine und ihre Rezeptoren in der myokardialen Ischäme-Reperfusion und bei MyokardInfarkt
- Rolle von Leukozytensubpopulationen (Monozyten, T Zellen, dendritische Zellen, Mastzellen) in der Atherosklerose
- Regulation der Homöstase und Rekrutierung vaskulärer Vorläuferzellen in der Atherosklerose und nach Infarkt
- Physiologie und Pathophysiologie endothelialer Vorläuferzellen in der Endothelregeneration und Risikobestimmung
- Statine zur Prävention der Endotheldysfunktion und miniaturisierte, eluierende Formgedächtnis- und Polymer-Stents
- Intravitalmikroskopie, 2-Photonmikroskopie und Mechanismen der Plaquedestabilisierung
- Transmembranäre Chemokine und proteolytische Spaltung durch ADAM Metalloproteasen
- Rolle des Endocannabinoidsystems in der Atherosklerose und Ischämie/Reperfusion

PUBLIKATIONEN

Originalarbeiten, Reviews, Editorials - gelistet im Web of Science (WoS)

[1] Ahmadsei M, Lievens D, Weber C, von Hundelshausen P, Gerdes N. Immune-mediated and lipid-mediated platelet function in atherosclerosis. Current opinion in lipidology 2015;26: 438-448. (IF 5.656)

[2] Akhtar S, Hartmann P, Karshovska E, Subramanian, Gremse F, Grommes J, Jacobs M, Kiessling F, Weber C, Steffens S, Schober A (2015) Endothelial hypoxia-inducible factor-1α promotes atherosclerosis and monocyte recruitment by upregulating miRNA-19a. Hypertension 66:1220-6. (Impact 6.499)

[3] Alampour-Rajabi S, El Bounkari O, Rot A, Müller-Newen G, Bachelerie F, Gawaz M, Weber C, Schober A, Bernhagen J. MIF interacts with CXCR7 to promote receptor internalization, ERK1/2 and ZAP-70 signaling, and lymphocyte chemotaxis. FASEB J. 2015;29:4497-511. (IF 5.043)

[4] Alard JE, Ortega-Gomez A, Wichapong K, Bongiovani D, Horckmanns M, Megens RTA, Leoni G, Ferraro B, Rossaint J, Paulin N, Hinkel R, Blanchet X, Gaillard F D'Amico M, von Hundelshausen P, Zarbock A, Scheiermann C, Hackeng TM, Steffens S, Kupatt C, Nicolaes GAF, Weber C, Soehnlein O. Recruitment of classical monocytes can be inhibited by disturbing heteromers of neutrophil HNP1 and platelet CCL5. Sci Transl Med. 2015;7:317ra196. (IF 15.843)

[5] Azghandi S, Prell C, van der Laan SW, Schneider M, Malik R, Berer K, Gerdes N, Pasterkamp G, Weber C, Haffner C, Dichgans M. Deficiency of the stroke relevant HDAC9 gene attenuates atherosclerosis in accord with allele-specific effects at 7p21.1. Stroke 2015;46:197-202. (IF 5.761)

[6] Bäck M, Weber C, Lutgens E. Regulation of atherosclerotic plaque inflammation. J Intern Med. 2015;278:462-82. (IF 6.063)

[7] Bernlochner I, Goedel A, Plischke C, Schüpke S, Haller B, Schulz C, Mayer K, Morath T, Braun S, Schunkert H, Siess W, Kastrati A, Laugwitz KL. Impact of immature platelets on platelet response to ticagrelor and prasugrel in patients with acute coronary syndrome. Eur Heart J. 2015;36:3202-10. (IF 15.203)

[8] Bürger C, Weber C, Lutgens E, Gerdes N. Atherosclerosis: cell biology and lipoproteins-focus on CD40 signaling, PCSK9, and novel animal models. Curr Opin Lipidol. 2015;26:245-246. (IF 5.656)

[9] Curaj A, Wu Z, Fokong S, Liehn EA, Weber C, Burlacu A, Lammers T, van Zandvoort M, Kiessling F. Noninvasive molecular ultrasound monitoring of vessel healing after intravascular surgical procedures in a preclinical setup. Arterioscler Thromb Vasc Biol. 2015;35:1366-73. (IF 6.008)

[10] Döring Y, Drechsler M, Soehnlein O, Weber C. Neutrophils in atherosclerosis: from mice to man. Arterioscler Thromb Vasc Biol. 2015;35:288-95. (IF 6.008)

[11] Döring Y. Not growth but death: GM-CSF/IL-23 axis drives atherosclerotic plaque vulnerability by enhancing macrophage and DC apoptosis. Circ Res. 2015;116:222-4. (IF 11.019)

[12] Drechsler M, de Jong RJ, Rossaint J, Viola J, Leoni G, Wang JM, Grommes J, Hinkel R, Kupatt C, Weber C, Doering Y, Zarbock A, Soehnlein O. Annexin A1 counteracts chemokine-induced arterial myeloid cell recruitment. Circ Res. 2015;116:827-35. (IF 11.019)

[13] Drechsler M, Duchene J, Soehnlein O. Chemokines control mobilization, recruitment, and fate of monocytes in atherosclerosis. Arterioscler Thromb Vasc Biol. 2015; 35:1050-5. (IF 6.008)

[14] Duchene J, von Hundelshausen P. Platelet-derived chemokines in atherosclerosis. Hamostaseologie. 2015;35:137-41. (IF 1.602)

[15] Hartmann P, Schober A, Weber C. Chemokines and microRNAs in atherosclerosis. Cell Mol Life Sci. 2015;72:3253-66. (IF 5.808)

[16] Hartwig H, Silvestre-Roig C, Hendrikse J, Beckers L, Paulin N, Van der Heiden K, Braster Q, Drechsler M, Daemen MJ, Lutgens E, Soehnlein O. Atherosclerotic plaque destabilization in mice: a comparative study. PLoS One. 2015;10:e0141019. (IF 3.234)

[17] Hartwig H, Silvestre Roig C, Daemen M, Lutgens E, Soehnlein O. Neutrophils in atherosclerosis. A brief overview. Hamostaseologie 2015;35:121-7. (IF 1.602)

[18] Hinkel R, Lange P, Petersen B, Gottlieb E, Ng JK, Finger S, Horstkotte J, Lee S, Thormann M, Knorr M, El-Aouni C, Boekstegers P, Reichart B, Wenzel P, Niemann H, Kupatt C. Heme Oxygenase-1 gene therapy provides cardioprotection via control of post-ischemic inflammation: an experimental study in a pre-clinical pig model. J Am Coll Cardiol. 2015;66:154-65. (IF 16.503)

[19] Hoefer IE, Steffens S, Ala-Korpela M, Bäck M, Badimon L, Bochaton-Piallat ML, Boulanger CM, Caligiuri G, Dimmeler S, Egido J, Evans PC, Guzik T, Kwak BR, Landmesser U, Mayr M, Monaco C, Pasterkamp G, Tuñón J, Weber C; ESC Working Group Atherosclerosis and Vascular Biology. Novel methodologies for biomarker discovery in atherosclerosis. Eur Heart J. 2015;36:2635-42. (IF 15.203)

[20] Hristov M, Weber C. Myocardial infarction and inflammation: lost in the biomarker labyrinth. Circ Res. 2015;116:781-3. (IF 11.019)

[21] Hu D, Mohanta SK, Yin C, Peng L, Ma Z, Srikakulapu P, Grassia G, MacRitchie N, Dever G, Gordon P, Burton FL, Ialenti A, Sabir SR, McInnes IB, Brewer JM, Garside P, Weber C, Lehmann T, Teupser D, Habenicht L, Beer M, Grabner R, Maffia P, Weih F, Habenicht AJ. Artery tertiary lymphoid organs control aorta immunity and protect against atherosclerosis via vascular smooth muscle cell lymphotoxin β receptors. Immunity. 2015;42:1100-1115. (IF 21.561)

[22] Ippel H, Miller MC, Berbís MA, Suylen D, André S, Hackeng TM, Cañada FJ, Weber C, Gabius HJ, Jiménez-Barbero J, Mayo KH. 1H, 13C, and 15N backbone and side-chain chemical shift assignments for the 36 proline-containing, full length 29 kDa human chimera-type galectin-3. Biomol NMR Assign. 2015;9:59-63. (IF 0.760)

[23] Jamasbi J, Megens RT, Bianchini M, Münch G, Ungerer M, Faussner A, Sherman S, Walker A, Goyal P, Jung S, Brandl R, Weber C, Lorenz R, Farndale R, Elia N, Siess W. Differential inhibition of human atherosclerotic plaque-induced platelet activation by dimeric GPVI-Fc and anti-GPVI antibodies: functional and imaging studies. J Am Coll Cardiol. 2015;65:2404-15. (IF 16.503)

[24] Karshovska E, Zhao Z, Blanchet X, Schmitt MM, Bidzhekov K, Soehnlein O, von Hundelshausen P, Mattheij NJ, Cosemans JM, Megens RT, Koeppel T, Schober A, Hackeng TM, Weber C, Koenen RR. Hyperreactivity of Junctional Adhesion Molecule A-Deficient platelets accelerates atherosclerosis in hyperlipidemic mice. Circ Res. 2015;116:587-99. (IF 11.019)

[25] Klapproth S, Sperandio M, Pinheiro EM, Prünster M, Soehnlein O, Gertler FB, Fässler R, Moser M. Loss of the Rap-1 effector RIAM results in leukocyte adhesion deficiency due to impaired β2 integrin function in mice. Blood 2015;126:2704-12. (IF 10.452)

[26] Kornmann LM, Zernecke A, Curfs DM, Janssen BJ, Weber C, de Winther MP, Reneman RS, Hoeks AP, Reesink KD.Echogenic perfluorohexane-loaded macrophages adhere in vivo to activated vascular endothelium in mice, an explorative study. Cardiovasc Ultrasound. 2015;13:1. (IF 1.337)

[27] Kuijpers MJ, Mattheij NJ, Cipolla L, van Geffen JP, Lawrence T, Donners MM, Boon L, Lievens D, Torti M, Noels H, Gerdes N, Cosemans JM, Lutgens E, Heemskerk JW. Platelet CD40L Modulates thrombus growth via phosphatidylinositol 3-kinase β, and not via CD40 and IκB kinase α. Arterioscler Thromb Vasc Biol. 2015;35:1374-81. (IF 6.008)

[28] Kusters PJ, Lutgens E. Cytokines and immune responses in murine atherosclerosis. Methods Mol Biol. 2015;1339:17-40. (IF 0.500)

[29] Legein B, Janssen EM, Theelen TL, Gijbels MJ, Walraven J, Klarquist JS, Hennies CM, Wouters K, Seijkens TT, Wijnands E, Sluimer JC, Lutgens E, Zenke M, Hildner K, Biessen EA, Temmerman L. Ablation of CD8α(+) dendritic cell mediated cross-presentation does not impact atherosclerosis in hyperlipidemic mice. Sci Rep. 2015;5:15414. (IF 5.578)

[30] Leoni G, Neumann PA, Sumagin R, Denning TL, Nusrat A. Wound repair: role of immune-epithelial interactions. Mucosal Immunol. 2015;8:959-68. (IF 7.374)

[31] Leoni G, Neumann PA, Kamaly N, Quiros M, Nishio H, Jones HR, Sumagin R, Hilgarth RS, Alam A, Fredman G, Argyris I, Rijcken E, Kusters D, Reutelingsperger C, Perretti M, Parkos CA, Farokhzad OC, Neish AS, Nusrat A. Annexin A1-containing extracellular vesicles and polymeric nanoparticles promote epithelial wound repair. J Clin Invest. 2015;125:1215-27. (IF 13.262)

[32] Lichtenauer M, Franz M, Fritzenwanger M, Figulla HR, Gerdes N, Jung C. Elevated plasma levels of interleukin-12p40 and interleukin-16 in overweight adolescents. Biomed Res Int. 2015;2015:940910 (IF 1.579).

[33] Lip GY, Weber C. A Happy New Year from Thrombosis and Haemostasis. A 5 year reflection from the Editorial team. Thromb Haemost. 2015 Jan 8;113(1):1-2. (IF 4.984)

[34] Lip GY, Weber C. May your New Year be happy and prosperous with "Thrombosis and Haemostasis". Thromb Haemost. 2015;115:1-2. (IF 4.984)

[35] Lundeberg E, Van Der Does AM, Kenne E, Soehnlein O, Lindbom L. Assessing large-vessel endothelial permeability using near-infrared fluorescence imaging. Arterioscler Thromb Vasc Biol. 2015;35:783-6. (IF 6.008)

[36] Mandl M, Drechsler M, Jansen Y, Neideck C, Noels H, Faussner A, Soehnlein O, Weber C, Döring Y. Evaluation of the BDCA2-DTR transgenic mouse model in chronic and acute inflammation. PLoS One. 2015;10:e0134176. (IF 3.234)

[37] Mandolini C, Santovito D, Marcantonio P, Buttitta F, Bucci M, Ucchino S, Mezzetti A, Cipollone F. Identification of microRNAs 758 and 33b as potential modulators of ABCA1 expression in human atherosclerotic plaques. Nutr Metab Cardiovasc Dis. 2015;25:202-9. (IF 3.323)

[38] Medina I, Cougoule C, Drechsler M, Bermudez B, Koenen RR, Sluimer J, Wolfs I, Döring Y, Herias V, Gijbels M, Bot I, de Jager S, Weber C, Cleutjens J, van Berkel TJ, Sikkink KJ, Mócsai A, Maridonneau-Parini I, Soehnlein O, Biessen EA. Hck/Fgr kinase deficiency peduces Plaque growth and stability by blunting monocyte recruitment and intraplaque motility. Circulation 2015;132:490-501. (IF 15.073)

[39] Megens RT, Bianchini M, Schmitt MM, Weber C. Optical imaging innovations for atherosclerosis research: multiphoton microscopy and optical nanoscopy. Arterioscler Thromb Vasc Biol. 2015;35:1339-46. (IF 6.008)

[40] Megens RT, Soehnlein O. Intravital microscopy for atherosclerosis research. Methods Mol Biol. 2015;1339:41-60. (IF 0.500)

[41] Molica F, Morel S, Kwak BR, Rohner-Jeanrenaud F, Steffens S. Adipokines at the crossroad between obesity and cardiovascular disease. Thromb Haemost. 2015;113:553-66. (IF 4.984)

[42] Natarelli L, Schober A. MicroRNAs and the response to injury in atherosclerosis. Hamostaseologie. 2015;35:142-50. (IF 1.602)

[43] Nazari-Jahantigh M, Egea V, Schober A, Weber C. MicroRNA-specific regulatory mechanisms in atherosclerosis. J Mol Cell Cardiol. 2015;89 (PtA):35-41. (IF 4.655)

[44] Njock MS, Cheng HS, Dang LT, Nazari-Jahantigh M, Lau AC, Boudreau E, Roufaiel M, Cybulsky MI, Schober A, Fish JE. Endothelial cells suppress monocyte activation through secretion of extracellular vesicles containing anti-inflammatory microRNAs. Blood. 2015;125:3202-12. (IF 10.452)

[45] Pawig L, Klasen C, Weber C, Bernhagen J, Noels H. Diversity and inter-connections in the CXCR4 chemokine receptor/ligand family: molecular perspectives. Front Immunol. 2015;6:429. (IF 0.500)

[46] Renz M, Otten C, Faurobert E, Rudolph F, Zhu Y, Boulday G, Duchene J, Mickoleit M, Dietrich AC, Ramspacher C, Steed E, Manet-Dupé S, Benz A, Hassel D, Vermot J, Huisken J, Tournier-Lasserve E, Felbor U, Sure U, Albiges-Rizo C, Abdelilah-Seyfried S. Regulation of β1 integrin-Klf2-mediated angiogenesis by CCM proteins. Dev Cell. 2015;32:181-190. (IF 9.708)

[47] Santovito D, Egea V, Weber C. DNA methylation and epigenetics: exploring the terra incognita of the atherosclerotic landscape. Eur Heart J. 2015;36: 956-8. (IF 15.203)

[48] Santovito D, Weber C. Fibronectin extradomain A: balancing atherosclerotic plaque burden and stability. Thromb Haemost. 2015;114:4. (IF 4.984)

[49] Schober A, Nazari-Jahantigh M, Weber C. MicroRNA-mediated mechanisms of the cellular stress response in atherosclerosis. Nat Rev Cardiol. 2015;12:361-74. (IF 9.183)

[50] Selle J, Asare Y, Köhncke J, Alampour-Rajabi S, Shagdarsuren G, Klos A, Weber C, Jankowski J, Shagdarsuren E. Atheroprotective role of C5ar2 deficiency in apolipoprotein E-deficient mice.

Thromb Haemost. 2015;114:848-58. (IF 4.984)
[51] Soehnlein O. (Re)solving atherosclerosis. Sci Transl Med. 2015;7:275fs7. (IF 15.843)
[52] Soehnlein O, Ortega-Gómez A, Döring Y, Weber C. Neutrophil-macrophage interplay in atherosclerosis: protease-mediated cytokine processing versus NET release. Thromb Haemost. 2015;114:866-7. (4.984)
[53] Steffens S, Pacher P. The Activated Endocannabinoid System in Atherosclerosis: Driving Force or Protective Mechanism? Curr Drug Targets. 2015;16:334-41. (IF 3.021)
[54] Stoppe C, Rex S, Goetzenich A, Kraemer S, Emontzpohl C, Soppert J, Sun Y, Rossaint R, Lue H, Averdunk L, Huang C, Song Y, Pantouris G, Lolis E, Leng L, Schulte W, Bucala R, Weber C, Bernhagen J. Interaction of MIF family proteins in myocardial ischemia/reperfusion damage and their influence on clinical outcome of cardiac surgery patients. Antioxid Redox Signal. 2015;23:865-79. (7.407)
[55] van Dam AD, Nahon KJ, Kooijman S, van den Berg SM, Kanhai AA, Kikuchi T, Heemskerk MM, van Harmelen V, Lombès M, van den Hoek AM, de Winther MP, Lutgens E, Guigas B, Rensen PC, Boon MR. Salsalate activates brown adipose tissue in mice. Diabetes. 2015;64:1544-54. (IF 8.095)
[56] van den Berg SM, Seijkens TT, Kusters PJ, Zarzycka B, Beckers L, den Toom M, Gijbels MJ, Chatzigeorgiou A, Weber C, de Winther MP, Chavakis T, Nicolaes GA, Lutgens E. Blocking CD40-Traf6 interactions by small molecule inhibitor 6860766 ameliorates the complications of diet induced obesity in mice. Int J Obes (Lond). 2015;39:782-90. (IF 5.004)
[57] van der Vorst EP, Döring Y, Weber C. MIF and CXCL12 in cardiovascular diseases: functional differences and similarities. Front Immunol. 2015;6:373. (IF 0.500)
[58] van der Vorst EP, Döring Y, Weber C. Chemokines and their receptors in atherosclerosis. J Mol Med (Berl). 2015;93:963-71. (5.107)
[59] von Hundelshausen P, Oexle K, Bidzhekov K, Schmitt MM, Hristov M, Blanchet X, Kaemmerer H, Matyas G, Meitinger T, Weber C. Recurrent spontaneous coronary dissections in a patient with a de novo fibrillin-1 mutation without Marfan syndrome. Thromb Haemost. 2015;113:668-70. (IF 4.984)
[60] Viola J, Soehnlein O. Atherosclerosis - A matter of unresolved inflammation. Semin Immunol. 2015;27:184-93. (IF 5.170)
[61] Wang J, Sun C, Gerdes N, Liu C, Liao M, Liu J, Shi MA, He A, Zhou Y, Sukhova GK, Chen H, Cheng XW, Kuzuya M, Murohara T, Zhang J, Cheng X, Jiang M, Shull GE, Rogers S, Yang CL, Ke Q, Jelen S, Bindels R, Ellison DH, Jarolim P, Libby P, Shi GP. Interleukin 18 function in atherosclerosis is mediated by the interleukin 18 receptor and the Na-Cl co-transporter. Nat Med. 2015;21:820-6. (IF 28.223)
[62] Weber C, Lip GY. Editors' Choice papers in Thrombosis and Haemostasis. Thromb Haemost. 2015;113:217-20. (IF 4.984)
[63] Weber C, Hristov M. Atherogenesis and inflammation. From cellular mediators to regulatory mechanisms of inflammation in atherosclerosis. Hamostaseologie. 2015;35:99-101. (IF 1.602)
[64] Wei Y, Zhu M, Corbalan-Campos J, Heyll K, Weber C, Schober A. Regulation of Csf1r and Bcl6 in macrophages mediates the stage-specific effects of microRNA-155 on atherosclerosis. Arterioscler Thromb Vasc Biol. 2015;35:796-803. (IF 6.008)
[65] Wertenbruch S, Drescher H, Grossarth V, Kroy D, Giebeler A, Erschfeld S, Heinrichs D, Soehnlein O, Trautwein C, Brandenburg LO, Streetz K. The anti-microbial peptide LL-37/CRAMP is elevated in patients with liver diseases and acts as a protective factor during mouse liver injury. Digestion. 2015;91:307-317. (IF 2.097)
[66] Wirtz TH, Tillmann S, Strüßmann T, Kraemer S, Heemskerk JW, Grottke O, Gawaz M, von Hundelshausen P, Bernhagen J. Platelet-derived MIF: a novel platelet chemokine with distinct recruitment properties. Atherosclerosis 2015;239: 1-10. (IF 3.994)
[67] Yamano T, Nedjic J, Hinterberger M, Steinert M, Koser S, Pinto S, Gerdes N, Lutgens E, Ishimaru N, Busslinger M, Brors B, Kyewski B, Klein L. Thymic B cells are licensed to present self antigens for central T cell tolerance induction. Immunity. 2015;42:1048-61. (IF 21.561)
[68] Yin C, Mohanta S, Ma Z, Weber C, Hu D, Weih F, Habenicht A. Generation of aorta transcript atlases of wild-type and apolipoprotein E-null mice by laser capture microdissection-based mRNA expression microarrays. Methods Mol Biol. 2015;1339:297-308. (IF 0.500)
[69] Zarzycka B, Seijkens T, Nabuurs SB, Ritschel T, Grommes J, Soehnlein O, Schrijver R, van Tiel CM, Hackeng TM, Weber C, Giehler F, Kieser A, Lutgens E, Vriend G, Nicolaes GA. Discovery of small molecule CD40-TRAF6 inhibitors. J Chem Inf Model. 2015;55:294-307. (IF 3.738)
[70] Zarzycka B, Nicolaes GA, Lutgens E. Targeting the adaptive immune system: new strategies in the treatment of atherosclerosis. Expert Rev Clin Pharmacol. 2015;8:297-313. (IF 2.180)
[71] Zirlik A, Lutgens E. An inflammatory link in atherosclerosis and obesity. Co-stimulatory molecules. Hamostaseologie 2015;35:272-8. (IF 1.602)