Genetic and Pharmacologic Inhibition of the Chemokin Experimental Hypertension and Vascular Dysfunction

Circulation

134, 1353-1368

DOI: 10.1161/circulationaha.115.020754

Citation Report

#	Article	IF	Citations
1	Is Hypertension a Bone Marrow Disease?. Circulation, 2016, 134, 1369-1372.	1.6	11
2	Effects of purified anthocyanin supplementation on platelet chemokines in hypocholesterolemic individuals: a randomized controlled trial. Nutrition and Metabolism, 2016, 13, 86.	3.0	46
3	Role of bone marrow-derived CD11c+ dendritic cells in systolic overload-induced left ventricular inflammation, fibrosis and hypertrophy. Basic Research in Cardiology, 2017, 112, 25.	5.9	36
4	Activation of chemokine receptor CXCR2 is a crucial factor in theÂdevelopment of experimental hypertension. Journal of the American Society of Hypertension, 2017, 11, 68-69.	2.3	0
5	The role of chemokines in hypertension and consequent target organ damage. Pharmacological Research, 2017, 119, 404-411.	7.1	52
6	Response by Caillon et al to Letter Regarding Article, â€œÎ³Î´ T Cells Mediate Angiotensin II-Induced Hypertension and Vascular Injuryâ€. Circulation, 2017, 136, 2200-2201.	1.6	0
7	Response by Du et al to Letter Regarding Article, â€œCardiac Fibroblast-Specific Activating Transcription Factor 3 Protects Against Heart Failure by Suppressing MAP2K3-p38 Signalingâ€. Circulation, 2017, 136, 2094-2095.	1.6	0
8	Role of the CXCL8-CXCR1/2 Axis in Cancer and Inflammatory Diseases. Theranostics, 2017, 7, 1543-1588.	10.0	502
9	Circulating blood biomarkers in essential hypertension: a literature review. Journal of Laboratory and Precision Medicine, 0, 2, 99-99.	1.1	18
10	CXCL1â€“CXCR2 axis mediates angiotensin II-induced cardiac hypertrophy and remodelling through regulation of monocyte infiltration. European Heart Journal, 2018, 39, 1818-1831.	2.2	192
11	Novel Role for the Immunoproteasome Subunit PSMB10 in Angiotensin IIâ€“Induced Atrial Fibrillation in Mice. Hypertension, 2018, 71, 866-876.	2.7	81
12	FGF21 Prevents Angiotensin II-Induced Hypertension and Vascular Dysfunction by Activation of ACE2/Angiotensin-(1â€“7) Axis in Mice. Cell Metabolism, 2018, 27, 1323-1337.e5.	16.2	104
13	Under Pressure. Hypertension, 2018, 71, 557-558.	2.7	1
14	Vitamin D attenuates pressure overload-induced cardiac remodeling and dysfunction in mice. Journal of Steroid Biochemistry and Molecular Biology, 2018, 178, 293-302.	2.5	17
15	CXCL1â€“CXCR2 lead monocytes to the heart of the matter. European Heart Journal, 2018, 39, 1832-1834.	2.2	10
16	Inhibition of Platelets by Clopidogrel Suppressed Ang IIâ€Induced Vascular Inflammation, Oxidative Stress, and Remodeling. Journal of the American Heart Association, 2018, 7, e009600.	3.7	24
17	Administration of ubiquitin-activating enzyme UBA1 inhibitor PYR-41 attenuates angiotensin II-induced cardiac remodeling in mice. Biochemical and Biophysical Research Communications, 2018, 505, 317-324.	2.1	12
18	The chemokine receptor CX3CR1 reduces renal injury in mice with angiotensin II-induced hypertension. American Journal of Physiology - Renal Physiology, 2018, 315, F1526-F1535.	2.7	18

#	Article	IF	Citations
19	Macrophage Depletion Lowered Blood Pressure and Attenuated Hypertensive Renal Injury and Fibrosis. Frontiers in Physiology, 2018, 9, 473.	2.8	46
20	Apelin impairs myogenic response to induce diabetic nephropathy in mice. FASEB Journal, 2018, 32, 4315-4327.	0.5	7
21	Analysis of Genes Related to Angiotensin II-Induced Arterial Injury Using a Time Series Microarray. Cellular Physiology and Biochemistry, 2018, 48, 983-992.	1.6	9
22	CXCL13 polymorphism is associated with essential hypertension in Tatars from Russia. Molecular Biology Reports, 2018, 45, 1557-1564.	2.3	4
23	CD1d-dependent natural killer T cells attenuate angiotensin II-induced cardiac remodelling via IL-10 signalling in mice. Cardiovascular Research, 2019, 115, 83-93.	3.8	34
24	Role of immune cells in hypertension. British Journal of Pharmacology, 2019, 176, 1818-1828.	5.4	103
25	Hypoxia inducible factor 1Î± in vascular smooth muscle cells promotes angiotensin II-induced vascular remodeling via activation of CCL7-mediated macrophage recruitment. Cell Death and Disease, 2019, 10, 544.	6.3	54
26	Alteration of the IL-33-sST2 pathway in hypertensive patients and a mouse model. Hypertension Research, 2019, 42, 1664-1671.	2.7	11
27	Club cell protein 16 in sera from trauma patients modulates neutrophil migration and functionality via CXCR1 and CXCR2. Molecular Medicine, 2019, 25, 45.	4.4	6
28	Pharmacological blockage of ICAM-1 improves angiotensin II-induced cardiac remodeling by inhibiting adhesion of LFA-1⁺monocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1301-H1311.	3.2	35
29	Genetic ablation and pharmacological inhibition of immunosubunit Î²5i attenuates cardiac remodeling in deoxycorticosterone-acetate (DOCA)-salt hypertensive mice. Journal of Molecular and Cellular Cardiology, 2019, 137, 34-45.	1.9	17
30	Chronic inhibition of chemokine receptor CXCR2 attenuates cardiac remodeling and dysfunction in spontaneously hypertensive rats. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 165551.	3.8	27
31	Innate and Innate-Like Immune System in Hypertension and Vascular Injury. Current Hypertension Reports, 2019, 21, 4.	3.5	29
32	Potential roles and targeted therapy of the CXCLs/CXCR2 axis in cancer and inflammatory diseases. Biochimica Et Biophysica Acta: Reviews on Cancer, 2019, 1871, 289-312.	7.4	200
33	MicroRNA-27a regulates angiotensin II-induced vascular smooth muscle cell proliferation and migration by targeting Î±-smooth muscle-actin inÂvitro. Biochemical and Biophysical Research Communications, 2019, 509, 973-977.	2.1	18
34	l-arginine alleviates doxorubicin-induced endothelium-dependent dysfunction by promoting nitric oxide generation and inhibiting apoptosis. Toxicology, 2019, 423, 105-111.	4.2	16
35	Time Series Gene Expression Profiling and Temporal Regulatory Pathway Analysis of Angiotensin II Induced Atrial Fibrillation in Mice. Frontiers in Physiology, 2019, 10, 597.	2.8	15
36	Immune mechanisms of salt-sensitive hypertension and renal end-organ damage. Nature Reviews Nephrology, 2019, 15, 290-300.	9.6	86

#	Article	IF	Citations
37	Wild-type p53-induced phosphatase 1 promotes vascular smooth muscle cell proliferation and neointima hyperplasia after vascular injury via p-adenosine 5â€²-monophosphate-activated protein kinase/mammalian target of rapamycin complex 1 pathway. Journal of Hypertension, 2019, 37, 2256-2268.	0.5	19
38	Chemokine (Câ€“Xâ€“C motif) receptor 2 blockade by SB265610 inhibited angiotensin II-induced abdominal aortic aneurysm in Apo Eâ^'/â^' mice. Heart and Vessels, 2019, 34, 875-882.	1.2	7
39	Ablation and Inhibition of the Immunoproteasome Catalytic Subunit LMP7 Attenuate Experimental Abdominal Aortic Aneurysm Formation in Mice. Journal of Immunology, 2019, 202, 1176-1185.	0.8	21
40	B-Cell Deficiency Lowers Blood Pressure in Mice. Hypertension, 2019, 73, 561-570.	2.7	23
41	Resveratrol as a new inhibitor of immunoproteasome prevents PTEN degradation and attenuates cardiac hypertrophy after pressure overload. Redox Biology, 2019, 20, 390-401.	9.0	74
42	Gallic Acid Suppresses Cardiac Hypertrophic Remodeling and Heart Failure. Molecular Nutrition and Food Research, 2019, 63, e1800807.	3.3	49
43	Blockade of intercellular adhesion molecule-1 prevents angiotensin II-induced hypertension and vascular dysfunction. Laboratory Investigation, 2020, 100, 378-386.	3.7	32
44	Inhibition of UCHL1 by LDN-57444 attenuates Ang IIâ€“Induced atrial fibrillation in mice. Hypertension Research, 2020, 43, 168-177.	2.7	25
45	The protective effect of 1,25(OH)2D3 against cardiac hypertrophy is mediated by the cyclin-dependent kinase inhibitor p21. European Journal of Pharmacology, 2020, 888, 173510.	3.5	8
47	Androgens predispose males to monocyte-mediated immunopathology by inducing the expression of leukocyte recruitment factor CXCL1. Nature Communications, 2020, 11, 3459.	12.8	26
48	Let-7g* and miR-98 Reduce Stroke-Induced Production of Proinflammatory Cytokines in Mouse Brain. Frontiers in Cell and Developmental Biology, 2020, 8, 632.	3.7	20
49	Deficiency of LMP10 Attenuates Diet-Induced Atherosclerosis by Inhibiting Macrophage Polarization and Inflammation in Apolipoprotein E Deficient Mice. Frontiers in Cell and Developmental Biology, 2020, 8, 592048.	3.7	14
50	Gallic Acid Attenuates Angiotensin II-Induced Hypertension and Vascular Dysfunction by Inhibiting the Degradation of Endothelial Nitric Oxide Synthase. Frontiers in Pharmacology, 2020, 11, 1121.	3.5	23
51	Selective blocking of CXCR2 prevents and reverses atrial fibrillation in spontaneously hypertensive rats. Journal of Cellular and Molecular Medicine, 2020, 24, 11272-11282.	3.6	19
52	Macrophage Depletion Improves Endothelial Insulin Resistance and Protects against Cardiovascular Injury in Salt-Sensitive Hypertension. BioMed Research International, 2020, 2020, 1-11.	1.9	4
53	Angiotensin II Stimulates the Proliferation and Migration of Lymphatic Endothelial Cells Through Angiotensin Type 1 Receptors. Frontiers in Physiology, 2020, 11, 560170.	2.8	18
54	Gallic Acid Ameliorates Angiotensin II-Induced Atrial Fibrillation by Inhibiting Immunoproteasome-Mediated PTEN Degradation in Mice. Frontiers in Cell and Developmental Biology, 2020, 8, 594683.	3.7	11
55	Deficiency of the Immunoproteasome LMP10 Subunit Attenuates Angiotensin II-Induced Cardiac Hypertrophic Remodeling via Autophagic Degradation of gp130 and IGF1R. Frontiers in Physiology, 2020, 11, 625.	2.8	5

#	Article	IF	Citations
56	Oxidative stress enhanced the transforming growth factor-Î²2-induced epithelial-mesenchymal transition through chemokine ligand 1 on ARPE-19 cell. Scientific Reports, 2020, 10, 4000.	3.3	26
57	Chemokine Receptor CXCR-2 Initiates Atrial Fibrillation by Triggering Monocyte Mobilization in Mice. Hypertension, 2020, 76, 381-392.	2.7	35
58	Macrophage-derived sulfur dioxide is a novel inflammation regulator. Biochemical and Biophysical Research Communications, 2020, 524, 916-922.	2.1	16
59	VSMC-Specific Deletion of FAM3A Attenuated Ang II-Promoted Hypertension and Cardiovascular Hypertrophy. Circulation Research, 2020, 126, 1746-1759.	4.5	27
60	The vascular endothelial growth factor trap aflibercept induces vascular dysfunction and hypertension via attenuation of eNOS/NO signaling in mice. Acta Pharmacologica Sinica, 2021, 42, 1437-1448.	6.1	9
61	Inhibition of CXCR2 alleviates the development of abdominal aortic aneurysm in Apo E-/- mice. Acta Cirurgica Brasileira, 2021, 36, e360105.	0.7	5
62	Single cell transcriptomic analysis identifies novel vascular smooth muscle subsets under high hydrostatic pressure. Science China Life Sciences, 2021, 64, 1677-1690.	4.9	4
63	The association between hypertension and nonalcoholic fatty liver disease (NAFLD): literature evidence and systems biology analysis. Bioengineered, 2021, 12, 2187-2202.	3.2	18
64	Ischemic Conditioning Ameliorated Hypertension and Vascular Remodeling of Spontaneously Hypertensive Rat via Inflammatory Regulation. , 2021, 12, 116.		21
65	Identification of key immune-related genes and immune infiltration in atrial fibrillation with valvular heart disease based on bioinformatics analysis. Journal of Thoracic Disease, 2021, 13, 1785-1798.	1.4	12
66	KrÃ¼ppel-Like Factor 15 Modulates CXCL1/CXCR2 Signaling-Mediated Inflammatory Response Contributing to Angiotensin II-Induced Cardiac Remodeling. Frontiers in Cell and Developmental Biology, 2021, 9, 644954.	3.7	5
67	Endogenous SO2-dependent Smad3 redox modification controls vascular remodeling. Redox Biology, 2021, 41, 101898.	9.0	22
68	Blockage of C-X-C Motif Chemokine Receptor 2 (CXCR2) Suppressed Uric Acid (UA)-Induced Cardiac Remodeling. Frontiers in Physiology, 2021, 12, 700338.	2.8	6
69	Role of inflammatory chemokines in hypertension. , 2021, 223, 107799.		70
70	Blocking FcÎ³RIIB in Smooth Muscle Cells Reduces Hypertension. Circulation Research, 2021, 129, 308-325.	4.5	6
71	Rodent models of hypertension. British Journal of Pharmacology, 2022, 179, 918-937.	5.4	25
72	Gut microbiota dependent trimethylamine N-oxide aggravates angiotensin IIâ€“induced hypertension. Redox Biology, 2021, 46, 102115.	9.0	86
73	Astragalus Polysaccharide Reduces Blood Pressure, Renal Damage, and Dysfunction Through the TGF-Î²1-ILK Pathway. Frontiers in Pharmacology, 2021, 12, 706617.	3.5	11

#	Article	IF	Citations
74	Immune Mechanisms in Vascular Remodeling in Hypertension. Updates in Hypertension and Cardiovascular Protection, 2020, , 85-94.	0.1	0
75	Blockade of CXCR2 suppresses proinflammatory activities of neutrophils in ulcerative colitis. American Journal of Translational Research (discontinued), 2020, 12, 5237-5251.	0.0	10
76	Immune System and Microvascular Remodeling in Humans. Hypertension, 2022, 79, 691-705.	2.7	30
77	Resident Fibroblast MKL1 Is Sufficient to Drive Pro-fibrogenic Response in Mice. Frontiers in Cell and Developmental Biology, 2021, 9, 812748.	3.7	3
78	Blocking VCAM-1 Prevents Angiotensin II-Induced Hypertension and Vascular Remodeling in Mice. Frontiers in Pharmacology, 2022, 13, 825459.	3.5	17
79	Angiotensin II Induces Cardiac Edema and Hypertrophic Remodeling through Lymphatic-Dependent Mechanisms. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-20.	4.0	9
87	DP1 (Prostaglandin D ₂ Receptor 1) Activation Protects Against Vascular Remodeling and Vascular Smooth Muscle Cell Transition to Myofibroblasts in Angiotensin Iiâ€“Induced Hypertension in Mice. Hypertension, 2022, 79, 1203-1215.	2.7	15
88	Essential role of Nrf2 in sulforaphane-induced protection against angiotensin II-induced aortic injury. Life Sciences, 2022, 306, 120780.	4.3	3
89	Hyperhomocysteinemia Promotes Cardiac Hypertrophy in Hypertension. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-16.	4.0	6
90	Identification of biomarkers, pathways and potential therapeutic agents for salt-sensitive hypertension using RNA-seq. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	1
91	Targeting CXCR1 and CXCR2 receptors in cardiovascular diseases. , 2022, 237, 108257.		18
92	CXCL1-CXCR2 signalling mediates hypertensive retinopathy by inducing macrophage infiltration. Redox Biology, 2022, 56, 102438.	9.0	9
93	Oviductal Glycoprotein 1 Promotes Hypertension by Inducing Vascular Remodeling Through an Interaction With MYH9. Circulation, 2022, 146, 1367-1382.	1.6	7
94	Association between high-mobility group box 2 and subclinical hypertension-mediated organ damage in young adults. Therapeutic Advances in Chronic Disease, 2022, 13, 204062232211350.	2.5	1
95	Blocking VCAM-1 ameliorates hypertensive cardiac remodeling by impeding macrophage infiltration. Frontiers in Pharmacology, 0, 13, .	3.5	6
96	Integrin CD11b Contributes to Hypertension and Vascular Dysfunction Through Mediating Macrophage Adhesion and Migration. Hypertension, 2023, 80, 57-69.	2.7	7
97	Peroxisome Proliferator-Activated Receptor Î± Attenuates Hypertensive Vascular Remodeling by Protecting Vascular Smooth Muscle Cells from Angiotensin II-Induced ROS Production. Antioxidants, 2022, 11, 2378.	5.1	1
98	The Potential Importance of CXCL1 in the Physiological State and in Noncancer Diseases of the Cardiovascular System, Respiratory System and Skin. International Journal of Molecular Sciences, 2023, 24, 205.	4.1	8

#	Article	IF	Citations
99	Farrerol prevents Angiotensin II-induced cardiac remodeling in vivo and in vitro. Frontiers in Pharmacology, 0, 13, .	3.5	0
100	Adipose Triglyceride Lipase Deficiency Aggravates Angiotensin IIâ€“Induced Atrial Fibrillation by Reducing Peroxisome Proliferatorâ€“Activated Receptor Î± Activation in Mice. Laboratory Investigation, 2023, 103, 100004.	3.7	1
101	The chemokines CXCL8 and CXCL12: molecular and functional properties, role in disease and efforts towards pharmacological intervention. , 2023, 20, 217-251.		56
102	CD11b mediates hypertensive cardiac remodeling by regulating macrophage infiltration and polarization. Journal of Advanced Research, 2024, 55, 17-31.	9.5	4
103	CD1d-dependent natural killer T-cells inactivation aggravates sepsis-induced myocardial injury via T lymphocytes infiltration and IL-6 production in mice. International Immunopharmacology, 2023, 120, 110256.	3.8	0
104	CD1dâ€Dependent Natural Killer T Cells Mediate Hypertension and Vascular Injury Through Interleukinâ€17A. Journal of the American Heart Association, 2023, 12, .	3.7	0
105	Role of the CXCL8â€“CXCR1/2 Axis in Cancer and Inflammatory Diseases. , 2023, , 291-329.		0
106	CD4+ T-Cell Legumain Deficiency Attenuates Hypertensive Damage via Preservation of TRAF6. Circulation Research, 0, , .	4.5	1
107	Interference of MDM2 attenuates vascular endothelial dysfunction in hypertension partly through blocking Notch1/NLRP3 inflammasome pathway. Annals of Anatomy, 2024, 252, 152183.	1.9	0
108	Myeloid ACE2 protects against septic hypotension and vascular dysfunction through Ang-(1â€“7)-Mas-mediated macrophage polarization. Redox Biology, 2024, 69, 103004.	9.0	0
109	Immune and inflammatory mechanisms in hypertension. Nature Reviews Cardiology, 0, , .	13.7	2
110	Mac-1 deficiency ameliorates pressure overloaded heart failure through inhibiting macrophage polarization and activation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2024, 1870, 167048.	3.8	0