

**RAT AORTIC SMOOTH MUSCLE CELLS**

<u>Nano-titanium dioxide inhalation exposure during gestation drives redox dysregulation and vascular dysfunction across generations</u>	Part Fibre Toxicol . 2022	2022
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<u>C9orf72-Derived Proline:Arginine Poly-Dipeptides Modulate Cytoskeleton and Mechanical Stress Response</u>	Front Cell Dev Biol 2022	2022
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<u>FoxO4 Controls sGCB Transcription in Vascular Smooth Muscle</u>	Am J Physiol Heart Circ	2022
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<u>CCR5 antagonist treatment inhibits vascular injury by regulating NADPH oxidase 1</u>	Biochem Pharmacol 2021	2021
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<u>Bioabsorbable metal zinc differentially affects mitochondria in vascular endothelial and smooth muscle cells</u>	Biomaterials and	2021
	Biosystems Volume 4,	
	December 2021, 100027	
<u>Prevention of Vascular Calcification by Magnesium and Selected Polyphenols</u>	<u>Adv Prev Med. 2021; 2021:</u>	2021
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<u>Short Chain (<math>\leq</math>C4) Esterification Increases Bioavailability of Rosmarinic Acid and Its Potency to Inhibit Vascular Smooth Muscle Cell Proliferation</u>	<u>Front Pharmacol. 2020; 11:</u>	2021
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<u>Role of PAR1-Egr1 in the Initiation of Thoracic Aortic Aneurysm in Fbln4-Deficient Mice</u>	Arterioscler Thromb Vasc	2020
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<u>Pemafibrate, a PPAR alpha agonist, attenuates neointima formation after vascular injury in mice fed normal chow and a high-fat diet</u>	Heliyon . 2020 Nov	2020
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<u>Role of PAR1-Egr1 in the Initiation of Thoracic Aortic Aneurysm in Fbln4-Deficient Mice</u>	Arterioscler Thromb Vasc Biol . 2020 Aug;40(8):1905-1917. 2020
<u>Olinciguat, an Oral sGC Stimulator, Exhibits Diverse Pharmacology Across Preclinical Models of Cardiovascular, Metabolic, Renal, and Inflammatory Disease</u>	Front. Pharmacol., 08 April 2020   <a href="https://doi.org/10.3389/fphar.2020.00419">https://doi.org/10.3389/fphar.2020.00419</a> 2020
<u>Development of Therapeutic Anti-JAGGED1 Antibodies for Cancer Therapy</u>	Mol Cancer Ther . 2019 Nov;18(11):2030-2042. doi: 10.1158/1535-7163.MCT-18-1176. Epub 2019 Aug 8. 2019
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<u>Rational Design and Delivery of NOX-Inhibitory Peptides</u>	<u>Methods Mol Biol. 2019;1982:417-428</u> 2019
<u>Changes in the function of angiotensin II type 1 receptor due to cholesterol depletion from cell membrane</u>	<u>Biochem Biophys Res Commun. 2019 May 9. pii: S0006-291X(19)30883-6. doi: 10.1016/j.bbrc.2019.05.015</u> 2019
<u>Combined treatment with DPP-4 inhibitor linagliptin and SGLT2 inhibitor empagliflozin attenuates neointima formation after vascular injury in diabetic mice</u>	<u>Biochem Biophys Rep. 2019 Apr 19;18:100640. doi: 10.1016/j.bbrep.2019.100640.</u> 2019
<u>Regulation of Contractile Responses of Vascular Smooth Muscle Cells under Conditions of Hypoxia-Reoxygenation</u>	<u>Bull Exp Biol Med. 2016 Dec;162(2):195-198. Epub 2016 Dec 2.</u> 2016
<u>Antagonism of Forkhead box subclass O transcription factors elicits loss of soluble guanylyl cyclase expression</u>	Molecular Pharmacology April 15, 2019, mol.118.115386; DOI: <a href="https://doi.org/10.1124/mol.118.115386">https://doi.org/10.1124/mol.118.115386</a> 2019
<u>GLP-1 Receptor Agonist Exendin-4 Attenuates NR4A Orphan Nuclear Receptor NOR1 Expression in Vascular Smooth Muscle Cells</u>	<u>J Atheroscler Thromb. 2018 Jun 30. doi: 10.5551/jat.43414</u> 2018

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<u>Cardiovascular Mechanisms of Action of Anthocyanins May Be Associated with the Impact of Microbial Metabolites on Heme Oxygenase-1 in Vascular Smooth Muscle Cells</u>	<u>Molecules. 2018 Apr</u> <u>13:23(4). pii: E898. doi:</u> <u>10.3390/molecules2304089</u> <u>8</u>	2018
<u>Constituents of Mediterranean Spices Counteracting Vascular Smooth Muscle Cell Proliferation: Identification and Characterization of Rosmarinic Acid Methyl Ester as a Novel Inhibitor</u>	<u>MNFR</u> <u>doi.org/10.1002/mnfr.2017</u> <u>00860</u>	2018
<u>2-Methoxyestradiol Causes MMP 9 Mediated Transactivation of EGFR and Angiotensin Type 1 Receptor Downregulation in Rat Aortic Smooth Muscle Cells</u>	<u>Am J Physiol Cell Physiol.</u> <u>2018 Jan 24. doi:</u> <u>10.1152/ajpcell.00152.2017</u>	2018
<u>Cytochrome b5 Reductase 3 Modulates Soluble Guanylate Cyclase Redox State and cGMP Signaling</u>	<u>Circ Res. 2017 Jul</u> <u>7:121(2):137-148. doi:</u> <u>10.1161/CIRCRESAHA.11</u> <u>7.310705</u>	2017
<u>The Effects of Carbon Monoxide and Hydrogen Sulfide on Transmembrane Ion Transport</u>	<u>Biophysics, March</u> <u>2017, Volume 62, Issue 2, pp</u> <u>220-226</u>	2017
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<u>N-acetylcysteine-Induced Vasodilatation Is Modulated By KATP Channels, Na<sup>+</sup>/K<sup>+</sup>-ATPase Activity And Intracellular Calcium Concentration: An in vitro study</u>	<u>Pharmacological Reports,</u> <u>online 31 March 2017</u>	2017
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<u>Knockdown of Add3 Impairs the Myogenic Response of Renal Afferent Arterioles and Middle Cerebral Arteries</u>	<u>Am J Physiol Renal</u> <u>Physiol. 2016 Dec</u> <u>7:ajprenal.00529.2016.</u>	2016
<u>Binding of EBP50 to Nox organizing subunit p47phox is pivotal to cellular reactive species generation and altered vascular phenotype</u>	<u>Proc Natl Acad Sci U S A.</u> <u>2016 Sep 6;113(36):E5308-</u> <u>17. doi:</u> <u>10.1073/pnas.1514161113</u>	2016

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<u>Plumericin inhibits proliferation of vascular smooth muscle cells by blocking STAT3 signaling via S-glutathionylation</u>	Sci Rep. 2016 Feb 9;6:20771. doi: 10.1038/srep20771	2016
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<u>Nifedipine attenuation of abdominal aortic aneurysm in hypertensive and non-hypertensive mice: Mechanisms and implications</u>	J Mol Cell Cardiol. 2015 Aug 4;87:152-159. doi: 10.1016/j.yjmcc.2015.07.031	2015
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<u>Piperine Congeners as Inhibitors of Vascular Smooth Muscle Cell Proliferation</u>	Planta Med. 2015 Aug;81(12- 13):1065-74.	2015
<u>Critical role of the <math>\alpha</math>1-Na<sup>+</sup>, K<sup>+</sup>-ATPase subunit in insensitivity of rodent cells to cytotoxic action of ouabain</u>	Apoptosis DOI10.1007/s10495- 015-1144-y Print ISSN1360- 8185	2015
<u>Capsaicin from chili (Capsicum spp.) inhibits vascular smooth muscle cell proliferation</u>	F1000Research 2015, 4:26 doi:10.12688/f1000research.60 07.1	2015
<u>Identification and characterization of [6]-shogaol from ginger as inhibitor of vascular smooth muscle cell proliferation</u>	Mol Nutr Food Res. 2015 Jan 28. doi: 10.1002/mnfr.201400791	2015
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