

# Eileen M Redmond

## List of Publications by Citations

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73  
papers

2,783  
citations

33  
h-index

51  
g-index

80  
ext. papers

3,068  
ext. citations

5.9  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
73	Vascular endothelium - Gatekeeper of vessel health. <i>Atherosclerosis</i> , <b>2016</b> , 248, 97-109	3.1	262
72	Cyclic strain inhibits Notch receptor signaling in vascular smooth muscle cells in vitro. <i>Circulation Research</i> , <b>2005</b> , 96, 567-75	15.7	118
71	Notch 1 and 3 receptor signaling modulates vascular smooth muscle cell growth, apoptosis, and migration via a CBF-1/RBP-Jk dependent pathway. <i>FASEB Journal</i> , <b>2004</b> , 18, 1421-3	0.9	111
70	Increased endothelial nitric oxide synthase activity in the hyperemic vessels of portal hypertensive rats. <i>Journal of Hepatology</i> , <b>1996</b> , 25, 370-8	13.4	108
69	Notch and vascular smooth muscle cell phenotype. <i>Circulation Research</i> , <b>2008</b> , 103, 1370-82	15.7	106
68	Notch-mediated CBF-1/RBP-J{kappa}-dependent regulation of human vascular smooth muscle cell phenotype in vitro. <i>American Journal of Physiology - Cell Physiology</i> , <b>2005</b> , 289, C1188-96	5.4	90
67	Endothelial dysfunction in cirrhosis and portal hypertension <b>2001</b> , 89, 273-93		89
66	Endothelial cells inhibit flow-induced smooth muscle cell migration: role of plasminogen activator inhibitor-1. <i>Circulation</i> , <b>2001</b> , 103, 597-603	16.7	81
65	Cyclic strain-mediated regulation of vascular endothelial cell migration and tube formation. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 329, 573-82	3.4	76
64	Enhanced nitric oxide synthase activity in portal hypertensive rabbits. <i>Hepatology</i> , <b>1995</b> , 22, 598-606	11.2	76
63	Heat shock protein 27 differentiates tolerogenic macrophages that may support human breast cancer progression. <i>Cancer Research</i> , <b>2011</b> , 71, 318-27	10.1	72
62	Nox, Reactive Oxygen Species and Regulation of Vascular Cell Fate. <i>Antioxidants</i> , <b>2017</b> , 6,	7.1	66
61	Cyclic strain-mediated matrix metalloproteinase regulation within the vascular endothelium: a force to be reckoned with. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 292, H28-42	5.2	64
60	Nitric oxide regulates angiotensin II receptors in vascular smooth muscle cells. <i>European Journal of Pharmacology</i> , <b>1995</b> , 288, 219-29		61
59	Regulation of endothelin receptors by nitric oxide in cultured rat vascular smooth muscle cells. <i>Journal of Cellular Physiology</i> , <b>1996</b> , 166, 469-79	7	59
58	Sustained pulsatile flow regulates endothelial nitric oxide synthase and cyclooxygenase expression in co-cultured vascular endothelial and smooth muscle cells. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1999</b> , 31, 619-29	5.8	56
57	Perfused transcapillary smooth muscle and endothelial cell co-culture--a novel in vitro model. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>1995</b> , 31, 601-9	2.6	56

56	Cyclic strain-mediated regulation of endothelial matrix metalloproteinase-2 expression and activity. <i>Cardiovascular Research</i> , <b>2004</b> , 63, 625-34	9.9	55
55	The role of nitric oxide synthase isoforms in extrahepatic portal hypertension: studies in gene-knockout mice. <i>Gastroenterology</i> , <b>2003</b> , 124, 1500-8	13.3	53
54	Sonic Hedgehog induces Notch target gene expression in vascular smooth muscle cells via VEGF-A. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 1112-8	9.4	52
53	Cyclic strain regulates the Notch/CBF-1 signaling pathway in endothelial cells: role in angiogenic activity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 1289-96	9.4	52
52	Enhanced cyclooxygenase-1 expression within the superior mesenteric artery of portal hypertensive rats: role in the hyperdynamic circulation. <i>Hepatology</i> , <b>1998</b> , 27, 20-7	11.2	49
51	Pulsatile flow-induced angiogenesis: role of G(i) subunits. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2002</b> , 22, 1610-6	9.4	47
50	Ethanol stimulates endothelial cell angiogenic activity via a Notch- and angiopoietin-1-dependent pathway. <i>Cardiovascular Research</i> , <b>2008</b> , 79, 313-21	9.9	43
49	Glycogen synthase kinase 3 beta positively regulates Notch signaling in vascular smooth muscle cells: role in cell proliferation and survival. <i>Basic Research in Cardiology</i> , <b>2011</b> , 106, 773-85	11.8	41
48	Increased expression of endothelin receptors in the vasculature of portal hypertensive rats: role in splanchnic hemodynamics. <i>Hepatology</i> , <b>1998</b> , 28, 396-403	11.2	41
47	Reactive Oxygen Species (ROS), Intimal Thickening, and Subclinical Atherosclerotic Disease. <i>Frontiers in Cardiovascular Medicine</i> , <b>2019</b> , 6, 89	5.4	40
46	Biomechanical regulation of hedgehog signaling in vascular smooth muscle cells in vitro and in vivo. <i>American Journal of Physiology - Cell Physiology</i> , <b>2007</b> , 292, C488-96	5.4	39
45	Resveratrol inhibits expression and binding activity of the monocyte chemotactic protein-1 receptor, CCR2, on THP-1 monocytes. <i>Atherosclerosis</i> , <b>2007</b> , 195, e125-33	3.1	37
44	Phenotype dictates the growth response of vascular smooth muscle cells to pulse pressure in vitro. <i>Experimental Cell Research</i> , <b>1999</b> , 250, 174-86	4.2	35
43	Ethanol inhibits mitogen activated protein kinase activity and growth of vascular smooth muscle cells in vitro. <i>European Journal of Pharmacology</i> , <b>1998</b> , 362, 251-9	5.3	34
42	Flow-mediated regulation of G-protein expression in cocultured vascular smooth muscle and endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1998</b> , 18, 75-83	9.4	34
41	Alcohol and cardiovascular disease--modulation of vascular cell function. <i>Nutrients</i> , <b>2012</b> , 4, 297-318	6.7	33
40	Differential effects of daily-moderate versus weekend-binge alcohol consumption on atherosclerotic plaque development in mice. <i>Atherosclerosis</i> , <b>2011</b> , 219, 448-54	3.1	31
39	Flow-mediated regulation of endothelin receptors in cocultured vascular smooth muscle cells: an endothelium-dependent effect. <i>Journal of Vascular Research</i> , <b>1997</b> , 34, 425-35	1.9	31

38	Resveratrol, a polyphenolic phytoestrogen, inhibits endothelial monocyte chemoattractant protein-1 synthesis and secretion. <i>Journal of Vascular Research</i> , <b>2007</b> , 44, 75-84	1.9	30
37	Microvascular retinal endothelial and pericyte cell apoptosis in vitro: role of hedgehog and Notch signaling <b>2011</b> , 52, 4472-83		29
36	Alcohol inhibits smooth muscle cell proliferation via regulation of the Notch signaling pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 2597-603	9.4	26
35	Differential expression of Hedgehog/Notch and transforming growth factor- $\beta$ in human abdominal aortic aneurysms. <i>Journal of Vascular Surgery</i> , <b>2015</b> , 62, 464-70	3.5	25
34	Endothelial Grb2-associated binder 1 is crucial for postnatal angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 1016-23	9.4	25
33	Non-anticoagulant heparin increases endothelial nitric oxide synthase activity: role of inhibitory guanine nucleotide proteins. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1998</b> , 30, 2669-82	5.8	23
32	Eicosanoids in cirrhosis and portal hypertension. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2003</b> , 72, 3-18;7		20
31	Perivascular delivery of Notch 1 siRNA inhibits injury-induced arterial remodeling. <i>PLoS ONE</i> , <b>2014</b> , 9, e84122	3.7	20
30	Embryonic rat vascular smooth muscle cells revisited - a model for neonatal, neointimal SMC or differentiated vascular stem cells?. <i>Vascular Cell</i> , <b>2014</b> , 6, 6	1	19
29	Cyclic strain-induced endothelial MMP-2: role in vascular smooth muscle cell migration. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 320, 325-33	3.4	19
28	Ethanol inhibits basal and flow-induced vascular smooth muscle cell migration in vitro. <i>Journal of Surgical Research</i> , <b>1999</b> , 84, 64-70	2.5	19
27	Atrial natriuretic factor recognizes two receptor subtypes in endothelial cells cultured from bovine pulmonary artery. <i>FEBS Letters</i> , <b>1990</b> , 269, 157-62	3.8	18
26	Hedgehog and Resident Vascular Stem Cell Fate. <i>Stem Cells International</i> , <b>2015</b> , 2015, 468428	5	16
25	Inhibition of patched-1 prevents injury-induced neointimal hyperplasia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 1960-4	9.4	16
24	Ethanol inhibits monocyte chemoattractant protein-1 expression in interleukin-1 $\beta$ -activated human endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2005</b> , 289, H1669-75	5.2	16
23	Adult vascular smooth muscle cells in culture express neural stem cell markers typical of resident multipotent vascular stem cells. <i>Cell and Tissue Research</i> , <b>2014</b> , 358, 203-16	4.2	14
22	Flk-1/KDR mediates ethanol-stimulated endothelial cell Notch signaling and angiogenic activity. <i>Journal of Vascular Research</i> , <b>2014</b> , 51, 315-24	1.9	14
21	Acetaldehyde stimulates monocyte adhesion in a P-selectin- and TNF $\alpha$ -dependent manner. <i>Atherosclerosis</i> , <b>2009</b> , 204, 372-80	3.1	14

20	Glucose attenuates hypoxia-induced changes in endothelial cell growth by inhibiting HIF-1 $\alpha$ expression. <i>Diabetes and Vascular Disease Research</i> , <b>2014</b> , 11, 270-280	3.3	13
19	Pulse pressure-induced transmural fluid flux increases bovine aortic smooth muscle cell apoptosis in a mitogen activated protein kinase dependent manner. <i>Journal of Vascular Research</i> , <b>2004</b> , 41, 364-74	1.9	13
18	Plasminogen activator inhibitor-1 deficiency enhances flow-induced smooth muscle cell migration. <i>Thrombosis Research</i> , <b>2004</b> , 114, 57-65	8.2	13
17	Ethanol inhibits pulse pressure-induced vascular smooth muscle cell migration by differentially modulating plasminogen activator inhibitor type 1, matrix metalloproteinase-2 and -9. <i>Thrombosis and Haemostasis</i> , <b>2005</b> , 94, 639-45	7	11
16	Investigational Notch and Hedgehog inhibitors--therapies for cardiovascular disease. <i>Expert Opinion on Investigational Drugs</i> , <b>2011</b> , 20, 1649-64	5.9	10
15	Bile Salts at Low pH Cause Dilation of Intercellular Spaces in In Vitro Stratified Primary Esophageal Cells, Possibly by Modulating Wnt Signaling. <i>Journal of Gastrointestinal Surgery</i> , <b>2016</b> , 20, 500-9	3.3	9
14	Potential mechanisms for cardiovascular protective effect of ethanol. <i>Acta Pharmacologica Sinica</i> , <b>2000</b> , 21, 385-90	8	9
13	Alcohol Reduces Arterial Remodeling by Inhibiting Sonic Hedgehog-Stimulated Stem Cell Antigen-1 Positive Progenitor Stem Cell Expansion. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2017</b> , 41, 2051-2065	3.7	8
12	Ethanol inhibits $\beta$ -secretase proteolytic activity in vascular smooth muscle cells. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2015</b> , 39, 2115-22	3.7	7
11	Ethanol differentially modulates the expression and activity of cell cycle regulatory proteins in rat aortic smooth muscle cells. <i>European Journal of Pharmacology</i> , <b>2002</b> , 445, 163-70	5.3	7
10	Regulation of atrial natriuretic factor receptors in portal hypertensive rabbits. <i>Journal of Hepatology</i> , <b>1996</b> , 24, 185-93	13.4	4
9	Differential effects of alcohol and its metabolite acetaldehyde on vascular smooth muscle cell Notch signaling and growth. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 314, H131-H137	5.2	3
8	The ANF-C receptor is not linked to adenylyl cyclase inhibition in bovine pulmonary artery endothelial cells. <i>Life Sciences</i> , <b>1992</b> , 51, 1439-44	6.8	3
7	Label-Free Multi Parameter Optical Interrogation of Endothelial Activation in Single Cells using a Lab on a Disc Platform. <i>Scientific Reports</i> , <b>2019</b> , 9, 4157	4.9	2
6	Hemodynamic Control of Vascular Smooth Muscle Function <b>2012</b> , 1231-1242		2
5	Moderate dose alcohol protects against serum amyloid protein A1-induced endothelial dysfunction via both notch-dependent and notch-independent pathways. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2021</b> , 45, 2217-2230	3.7	2
4	Moderate Alcohol Consumption Targets S100 $\beta$ Vascular Stem Cells and Attenuates Injury-Induced Neointimal Hyperplasia. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2020</b> , 44, 1734-1746	3.7	1
3	The calcium binding protein S100 $\beta$ marks hedgehog-responsive resident vascular stem cells within vascular lesions. <i>Npj Regenerative Medicine</i> , <b>2021</b> , 6, 10	15.8	0

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1 Disease-Relevant Single Cell Photonic Signatures Identify S100 $\beta$  Stem Cells and their Myogenic Progeny in Vascular Lesions. *Stem Cell Reviews and Reports*, **2021**, 17, 1713-1740

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