Carlos Fernandez-Hernando

List of Publications by Year
in descending order

139 papers	13,679 citations	23879 60 h-index	25230 113 g-index
145 all docs	145 docs citations	145 times ranked	17461 citing authors

#	Article	IF	Citations
1	MiR-33 Contributes to the Regulation of Cholesterol Homeostasis. Science, 2010, 328, 1570-1573.	6.0	1,095
2	Dicer Dependent MicroRNAs Regulate Gene Expression and Functions in Human Endothelial Cells. Circulation Research, 2007, 100, 1164-1173.	2.0	656
3	Inhibition of miR-33a/b in non-human primates raises plasma HDL and lowers VLDL triglycerides. Nature, 2011, 478, 404-407.	13.7	647
4	miR-33a/b contribute to the regulation of fatty acid metabolism and insulin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9232-9237.	3.3	615
5	Antagonism of miR-33 in mice promotes reverse cholesterol transport and regression of atherosclerosis. Journal of Clinical Investigation, 2011, 121, 2921-2931.	3.9	609
6	Dicer-dependent endothelial microRNAs are necessary for postnatal angiogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14082-14087.	3.3	453
7	MicroRNAs in lipid metabolism. Current Opinion in Lipidology, 2011, 22, 86-92.	1.2	262
8	Loss of Akt1 Leads to Severe Atherosclerosis and Occlusive Coronary Artery Disease. Cell Metabolism, 2007, 6, 446-457.	7.2	253
9	MicroRNA-30c reduces hyperlipidemia and atherosclerosis in mice by decreasing lipid synthesis and lipoprotein secretion. Nature Medicine, 2013, 19, 892-900.	15.2	252
10	MicroRNA-16 and MicroRNA-424 Regulate Cell-Autonomous Angiogenic Functions in Endothelial Cells via Targeting Vascular Endothelial Growth Factor Receptor-2 and Fibroblast Growth Factor Receptor-1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2595-2606.	1.1	227
11	MicroRNAs in Metabolic Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 178-185.	1.1	222
12	MicroRNA-758 Regulates Cholesterol Efflux Through Posttranscriptional Repression of ATP-Binding Cassette Transporter A1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2707-2714.	1.1	218
13	Genome-wide identification of microRNAs regulating cholesterol and triglyceride homeostasis. Nature Medicine, 2015, 21, 1290-1297.	15.2	214
14	MicroRNA-148a regulates LDL receptor and ABCA1 expression to control circulating lipoprotein levels. Nature Medicine, 2015, 21, 1280-1289.	15.2	203
15	Circulating MicroRNA-122 Is Associated With the Risk of New-Onset Metabolic Syndrome and Type 2 Diabetes. Diabetes, 2017, 66, 347-357.	0.3	199
16	Control of Cholesterol Metabolism and Plasma High-Density Lipoprotein Levels by microRNA-144. Circulation Research, 2013, 112, 1592-1601.	2.0	187
17	Endothelial TGF-Î² signalling drives vascular inflammation and atherosclerosis. Nature Metabolism, 2019, 1, 912-926.	5.1	172
18	Lacteal junction zippering protects against diet-induced obesity. Science, 2018, 361, 599-603.	6.0	162

#	Article	IF	Citations
19	miR-106b impairs cholesterol efflux and increases AÎ² levels by repressing ABCA1 expression. Experimental Neurology, 2012, 235, 476-483.	2.0	161
20	Therapeutic Silencing of MicroRNA-33 Inhibits the Progression of Atherosclerosis in <i>Ldlr</i> ^{âˆ’/âˆ’} Miceâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1973-1977.	1.1	159
21	MicroRNAs and lipid metabolism. Current Opinion in Lipidology, 2017, 28, 273-280.	1.2	156
22	Regulation of cholesterol homeostasis. Cellular and Molecular Life Sciences, 2012, 69, 915-930.	2.4	155
23	Macrophage deficiency of miRâ€‘21 promotes apoptosis, plaque necrosis, and vascular inflammation during atherogenesis. EMBO Molecular Medicine, 2017, 9, 1244-1262.	3.3	155
24	Genetic Evidence Supporting a Critical Role of Endothelial Caveolin-1 during the Progression of Atherosclerosis. Cell Metabolism, 2009, 10, 48-54.	7.2	152
25	Mir-33 regulates cell proliferation and cell cycle progression. Cell Cycle, 2012, 11, 922-933.	1.3	150
26	Akt1 is critical for acute inflammation and histamine-mediated vascular leakage. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14552-14557.	3.3	147
27	Identification of Golgi-localized acyl transferases that palmitoylate and regulate endothelial nitric oxide synthase. Journal of Cell Biology, 2006, 174, 369-377.	2.3	146
28	VEGF-Induced Expression of miR-17â€“92 Cluster in Endothelial Cells Is Mediated by ERK/ELK1 Activation and Regulates Angiogenesis. Circulation Research, 2016, 118, 38-47.	2.0	141
29	MicroRNA 33 Regulates Glucose Metabolism. Molecular and Cellular Biology, 2013, 33, 2891-2902.	1.1	139
30	Integrin beta3 regulates clonality and fate of smooth muscle-derived atherosclerotic plaque cells. Nature Communications, 2018, 9, 2073.	5.8	135
31	Absence of Akt1 Reduces Vascular Smooth Muscle Cell Migration and Survival and Induces Features of Plaque Vulnerability and Cardiac Dysfunction During Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 2033-2040.	1.1	133
32	A Regulatory Role for MicroRNA 33* in Controlling Lipid Metabolism Gene Expression. Molecular and Cellular Biology, 2013, 33, 2339-2352.	1.1	128
33	Gut intraepithelial T cells calibrate metabolism and accelerate cardiovascular disease. Nature, 2019, 566, 115-119.	13.7	128
34	microRNAs and cholesterol metabolism. Trends in Endocrinology and Metabolism, 2010, 21, 699-706.	3.1	127
35	Longâ€‘term therapeutic silencing of miRâ€‘33 increases circulating triglyceride levels and hepatic lipid accumulation in mice. EMBO Molecular Medicine, 2014, 6, 1133-1141.	3.3	127
36	ANGPTL4 in Metabolic and Cardiovascular Disease. Trends in Molecular Medicine, 2019, 25, 723-734.	3.5	118

#	Article	IF	Citations
37	Smooth Muscle miRNAs Are Critical for Post-Natal Regulation of Blood Pressure and Vascular Function. PLoS ONE, 2011, 6, e18869.	1.1	116
38	Genome-wide RNAi screen reveals ALK1 mediates LDL uptake and transcytosis in endothelial cells. Nature Communications, 2016, 7, 13516.	5.8	115
39	Smooth Muscle Cell Reprogramming in Aortic Aneurysms. Cell Stem Cell, 2020, 26, 542-557.e11.	5.2	114
40	Liver microRNAs: potential mediators and biomarkers for metabolic and cardiovascular disease?. European Heart Journal, 2016, 37, 3260-3266.	1.0	108
41	MiR-155 Has a Protective Role in the Development of Non-Alcoholic Hepatosteatosis in Mice. PLoS ONE, 2013, 8, e72324.	1.1	105
42	microRNA-33 Regulates ApoE Lipidation and Amyloid-Î² Metabolism in the Brain. Journal of Neuroscience, 2015, 35, 14717-14726.	1.7	104
43	Caveolin-1 Regulates Atherogenesis by Attenuating Low-Density Lipoprotein Transcytosis and Vascular Inflammation Independently of Endothelial Nitric Oxide Synthase Activation. Circulation, 2019, 140, 225-239.	1.6	100
44	Genetic Dissection of the Impact of miR-33a and miR-33b during the Progression of Atherosclerosis. Cell Reports, 2017, 21, 1317-1330.	2.9	96
45	Genetic Ablation of miR-33 Increases Food Intake, Enhances Adipose Tissue Expansion, and Promotes Obesity and Insulin Resistance. Cell Reports, 2018, 22, 2133-2145.	2.9	94
46	Suppressing miR-21 activity in tumor-associated macrophages promotes an antitumor immune response. Journal of Clinical Investigation, 2019, 129, 5518-5536.	3.9	92
47	Endothelial-Specific Overexpression of Caveolin-1 Accelerates Atherosclerosis in Apolipoprotein E-Deficient Mice. American Journal of Pathology, 2010, 177, 998-1003.	1.9	91
48	Absence of ANGPTL4 in adipose tissue improves glucose tolerance and attenuates atherogenesis. JCI Insight, 2018, 3, .	2.3	91
49	ATP-Binding Cassette Transporter G1 and High-Density Lipoprotein Promote Endothelial NO Synthesis Through a Decrease in the Interaction of Caveolin-1 and Endothelial NO Synthase. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2219-2225.	1.1	89
50	Endothelial Transcytosis of Lipoproteins in Atherosclerosis. Frontiers in Cardiovascular Medicine, 2018, 5, 130.	1.1	88
51	MiR-143/145 deficiency attenuates the progression of atherosclerosis in Ldlr-/- mice. Thrombosis and Haemostasis, 2014, 112, 796-802.	1.8	87
52	microRNAs in lipoprotein metabolism and cardiometabolic disorders. Atherosclerosis, 2016, 246, 352-360.	0.4	84
53	Reticulon 4B (Nogo-B) is necessary for macrophage infiltration and tissue repair. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17511-17516.	3.3	82
54	Noncoding RNAs and Atherosclerosis. Current Atherosclerosis Reports, 2014, 16, 407.	2.0	82

#	Article	IF	Citations
55	MicroRNA Modulation of Cholesterol Homeostasis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2378-2382.	1.1	81
56	Brown adipose tissue derived ANGPTL4 controls glucose and lipid metabolism and regulates thermogenesis. Molecular Metabolism, 2018, 11, 59-69.	3.0	80
57	Lanosterol Modulates TLR4-Mediated Innate Immune Responses in Macrophages. Cell Reports, 2017, 19, 2743-2755.	2.9	79
58	Loss of endothelial glucocorticoid receptor accelerates diabetic nephropathy. Nature Communications, 2021, 12, 2368.	5.8	79
59	Cav-1 (Caveolin-1) Deficiency Increases Autophagy in the Endothelium and Attenuates Vascular Inflammation and Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1510-1522.	1.1	75
60	ANGPTL4: a multifunctional protein involved in metabolism and vascular homeostasis. Current Opinion in Hematology, 2020, 27, 206-213.	1.2	74
61	MicroRNAs in endothelial cell homeostasis and vascular disease. Current Opinion in Hematology, 2018, 25, 227-236.	1.2	72
62	ANGPTL4 deficiency in haematopoietic cells promotes monocyte expansion and atherosclerosis progression. Nature Communications, 2016, 7, 12313.	5.8	71
63	Liver injury in COVID-19 and IL-6 trans-signaling-induced endotheliopathy. Journal of Hepatology, 2021, 75, 647-658.	1.8	67
64	miRNA regulation of white and brown adipose tissue differentiation and function. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 2104-2110.	1.2	64
65	Improved repair of dermal wounds in mice lacking micro<scp>RNA</scp>â€155. Journal of Cellular and Molecular Medicine, 2014, 18, 1104-1112.	1.6	63
66	Skeletal Muscleâ€"Specific Deletion of MKP-1 Reveals a p38 MAPK/JNK/Akt Signaling Node That Regulates Obesity-Induced Insulin Resistance. Diabetes, 2018, 67, 624-635.	0.3	63
67	Chronic miRâ€29 antagonism promotes favorable plaque remodeling in atherosclerotic mice. EMBO Molecular Medicine, 2016, 8, 643-653.	3.3	61
68	Specific Disruption of Abca1 Targeting Largely Mimics the Effects of miR-33 Knockout on Macrophage Cholesterol Efflux and Atherosclerotic Plaque Development. Circulation Research, 2019, 124, 874-880.	2.0	59
69	Aktâ€mediated foxo1 inhibition is required for liver regeneration. Hepatology, 2016, 63, 1660-1674.	3.6	55
70	The Role of MicroRNAs in Environmental Risk Factors, Noise-Induced Hearing Loss, and Mental Stress. Antioxidants and Redox Signaling, 2018, 28, 773-796.	2.5	55
71	miR-27b inhibits LDLR and ABCA1 expression but does not influence plasma and hepatic lipid levels in mice. Atherosclerosis, 2015, 243, 499-509.	0.4	53
72	MicroRNA 7 Impairs Insulin Signaling and Regulates A<i>Î²</i> Levels through Posttranscriptional Regulation of the Insulin Receptor Substrate 2, Insulin Receptor, Insulin-Degrading Enzyme, and Liver X Receptor Pathway. Molecular and Cellular Biology, 2019, 39, .	1.1	51

#	Article	IF	Citations
73	Desmosterol suppresses macrophage inflammasome activation and protects against vascular inflammation and atherosclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	50
74	Targeting of Gamma-Glutamyl-Cysteine Ligase by miR-433 Reduces Glutathione Biosynthesis and Promotes TGF-Î²-Dependent Fibrogenesis. Antioxidants and Redox Signaling, 2015, 23, 1092-1105.	2.5	49
75	microRNAs and HDL life cycle. Cardiovascular Research, 2014, 103, 414-422.	1.8	47
76	SREBP-1c/MicroRNA 33b Genomic Loci Control Adipocyte Differentiation. Molecular and Cellular Biology, 2016, 36, 1180-1193.	1.1	47
77	Disulfiram Treatment Normalizes Body Weight in Obese Mice. Cell Metabolism, 2020, 32, 203-214.e4.	7.2	46
78	Hepatocyte-specific suppression of ANGPTL4 improves obesity-associated diabetes and mitigates atherosclerosis in mice. Journal of Clinical Investigation, 2021, 131, .	3.9	46
79	Genetic deficiency or pharmacological inhibition of miR-33 protects from kidney fibrosis. JCI Insight, 2019, 4, .	2.3	46
80	Micro-RNAs and High-Density Lipoprotein Metabolism. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1076-1084.	1.1	45
81	Relevance of microRNA in metabolic diseases. Critical Reviews in Clinical Laboratory Sciences, 2014, 51, 305-320.	2.7	41
82	Protein kinase C isoforms in atherosclerosis: Pro- or anti-inflammatory?. Biochemical Pharmacology, 2014, 88, 139-149.	2.0	41
83	The miR-199/DNM regulatory axis controls receptor-mediated endocytosis. Journal of Cell Science, 2015, 128, 3197-209.	1.2	41
84	Ageâ€associated vascular inflammation promotes monocytosis during atherogenesis. Aging Cell, 2016, 15, 766-777.	3.0	41
85	microRNAs: A connection between cholesterol metabolism and neurodegeneration. Neurobiology of Disease, 2014, 72, 48-53.	2.1	39
86	Ketogenic diet restrains aging-induced exacerbation of coronavirus infection in mice. ELife, 2021, 10, .	2.8	37
87	MicroRNAs and lipoproteins: A connection beyond atherosclerosis?. Atherosclerosis, 2013, 227, 209-215.	0.4	36
88	Posttranscriptional regulation of lipid metabolism by non-coding RNAs and RNA binding proteins. Seminars in Cell and Developmental Biology, 2018, 81, 129-140.	2.3	36
89	Hematopoietic Akt2 deficiency attenuates the progression of atherosclerosis. FASEB Journal, 2015, 29, 597-610.	0.2	35
90	miRNA regulation of LDL-cholesterol metabolism. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 2047-2052.	1.2	35

#	ARTICLE	IF	CITATIONS
91	RNA binding protein HuR regulates the expression of ABCA1. Journal of Lipid Research, 2014, 55, 1066-1076.	2.0	33
92	p-SMAD2/3 and DICER promote pre-miR-21 processing during pressure overload-associated myocardial remodeling. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1520-1530.	1.8	33
93	Non-coding RNAs in lipid metabolism. Vascular Pharmacology, 2019, 114, 93-102.	1.0	32
94	Endothelial cellâ€“glucocorticoid receptor interactions and regulation of Wnt signaling. JCI Insight, 2020, 5, .	2.3	32
95	Genetic Evidence Supports a Major Role for Akt1 in VSMCs During Atherogenesis. Circulation Research, 2015, 116, 1744-1752.	2.0	31
96	Inhibition of profibrotic microRNA-21 affects platelets and their releasate. JCI Insight, 2018, 3, .	2.3	30
97	Podocyte Glucocorticoid Receptors Are Essential for Glomerular Endothelial Cell Homeostasis in Diabetes Mellitus. Journal of the American Heart Association, 2021, 10, e019437.	1.6	29
98	Endothelial Glucocorticoid Receptor Suppresses Atherogenesisâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 779-782.	1.1	28
99	Brown adipose TRX2 deficiency activates mtDNA-NLRP3 to impair thermogenesis and protect against diet-induced insulin resistance. Journal of Clinical Investigation, 2022, 132, .	3.9	28
100	microRNA regulation of lipoprotein metabolism. Current Opinion in Lipidology, 2014, 25, 282-288.	1.2	27
101	Loss of hepatic miR-33 improves metabolic homeostasis and liver function without altering body weight or atherosclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	26
102	BMP-9 and LDL crosstalk regulates ALK-1 endocytosis and LDL transcytosis in endothelial cells. Journal of Biological Chemistry, 2020, 295, 18179-18188.	1.6	25
103	Elevated Thrombospondin 2 Contributes to Delayed Wound Healing in Diabetes. Diabetes, 2019, 68, 2016-2023.	0.3	23
104	Targeted Suppression of miRNA-33 Using pHLIP Improves Atherosclerosis Regression. Circulation Research, 2022, 131, 77-90.	2.0	23
105	Liver X receptors are required for thymic resilience and T cell output. Journal of Experimental Medicine, 2020, 217, .	4.2	20
106	Dyrk1b promotes hepatic lipogenesis by bypassing canonical insulin signaling and directly activating mTORC2 in mice. Journal of Clinical Investigation, 2022, 132, .	3.9	20
107	Transport of LDLs into the arterial wall: impact in atherosclerosis. Current Opinion in Lipidology, 2020, 31, 279-285.	1.2	19
108	Impaired liver regeneration in Ldlrâˆ'/âˆ' mice is associated with an altered hepatic profile of cytokines, growth factors, and lipids. Journal of Hepatology, 2013, 59, 731-737.	1.8	18

#	Article	IF	Citations
109	Engineered Microvasculature in PDMS Networks Using Endothelial Cells Derived from Human Induced Pluripotent Stem Cells. Cell Transplantation, 2017, 26, 1365-1379.	1.2	17
110	MicroRNAs and Circular RNAs in Lipoprotein Metabolism. Current Atherosclerosis Reports, 2021, 23, 33.	2.0	17
111	miRâ€33 in cardiometabolic diseases: lessons learned from novel animal models and approaches. EMBO Molecular Medicine, 2021, 13, e12606.	3.3	17
112	Therapeutic Potential of Modulating microRNAs in Atherosclerotic Vascular Disease. Current Vascular Pharmacology, 2015, 13, 291-304.	0.8	17
113	Hypothalamic Ventromedial Lin28a Enhances Glucose Metabolism in Diet-Induced Obesity. Diabetes, 2017, 66, 2102-2111.	0.3	16
114	MicroRNA regulation of cholesterol metabolism. Annals of the New York Academy of Sciences, 2021, 1495, 55-77.	1.8	15
115	MicroRNAs and Cardiovascular Disease. Current Genetic Medicine Reports, 2013, 1, 30-38.	1.9	14
116	Novel Role of miR-33 in Regulating of Mitochondrial Function. Circulation Research, 2015, 117, 225-228.	2.0	14
117	miR-27b Modulates Insulin Signaling in Hepatocytes by Regulating Insulin Receptor Expression. International Journal of Molecular Sciences, 2020, 21, 8675.	1.8	14
118	PCSK9 Activity Is Potentiated Through HDL Binding. Circulation Research, 2021, 129, 1039-1053.	2.0	13
119	Elucidating the mechanisms by which disulfiram protects against obesity and metabolic syndrome. Npj Aging and Mechanisms of Disease, 2020, 6, 8.	4.5	12
120	Increased exosome secretion in neurons aging in vitro by NPC1-mediated endosomal cholesterol buildup. Life Science Alliance, 2021, 4, e202101055.	1.3	12
121	miR-33 Regulation of Adaptive Fibrotic Response in Cardiac Remodeling. Circulation Research, 2017, 120, 753-755.	2.0	11
122	Deficiency of histone lysine methyltransferase SETDB2 in hematopoietic cells promotes vascular inflammation and accelerates atherosclerosis. JCI Insight, 2021, 6, .	2.3	11
123	Astrocytic lipid metabolism determines susceptibility to diet-induced obesity. Science Advances, 2021, 7, eabj2814.	4.7	11
124	MMAB promotes negative feedback control of cholesterol homeostasis. Nature Communications, 2021, 12, 6448.	5.8	10
125	High-Density Lipoproteins Are the Main Carriers of PCSK9 in the Circulation. Journal of the American College of Cardiology, 2020, 75, 1495-1497.	1.2	9
126	Truths and controversies concerning the role of miRNAs in atherosclerosis and lipid metabolism. Current Opinion in Lipidology, 2016, 27, 623-629.	1.2	7

#	Article	IF	Citations
127	MicroRNA 199a-5p Attenuates Retrograde Transport and Protects against Toxin-Induced Inhibition of Protein Biosynthesis. Molecular and Cellular Biology, 2018, 38, .	1.1	7
128	The Janus-faced role of SR-BI in atherosclerosis. Nature Metabolism, 2019, 1, 586-587.	5.1	6
129	Lymphatic vessels clean up your arteries. Journal of Clinical Investigation, 2013, 123, 1417-1419.	3.9	6
130	Fibronectinâ€"Integrin Î±5 Signaling in Vascular Complications of Type 1 Diabetes. Diabetes, 2022, 71, 2020-2033.	0.3	4
131	Antiatherogenic Properties of High-Density Lipoproteinâ€"Enriched MicroRNAs. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, e13-4.	1.1	3
132	El sistema pHLIP como vehÃculo de microRNA en el riÃ±Ã³n. Nefrologia, 2020, 40, 491-498.	0.2	2
133	Preface to: â€œmicroRNAs in lipid/energy metabolism and cardiometabolic diseaseâ€• Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 2039-2040.	1.2	1
134	MiR-33 regulation of stretch-induced intimal hyperplasia in vein grafts. Cardiovascular Research, 2017, 113, 434-436.	1.8	1
135	The pHLIP system as a vehicle for microRNAs in the kidney. Nefrologia, 2020, 40, 491-498.	0.2	1
136	Endothelial HMGB1 (High-Mobility Group Box 1) Regulation of LDL (Low-Density Lipoprotein) Transcytosis: A Novel Mechanism of Intracellular HMGB1 in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 217-219.	1.1	1
137	microRNAs, Plasma Lipids, and Cardiovascular Disease. Current Cardiovascular Risk Reports, 2011, 5, 10-17.	0.8	0
138	Noncoding RNAs in Cholesterol Metabolism and Atherosclerosis. Cardiac and Vascular Biology, 2017, , 21-37.	0.2	0
139	Engineered microvasculature in PDMS networks using endothelial cells derived from human induced pluripotent stem cells. Cell Transplantation, 2017, , .	1.2	0