

# Beatriz G Galvez

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65  
papers

4,776  
citations

33  
h-index

69  
g-index

70  
ext. papers

5,258  
ext. citations

7.2  
avg. IF

4.9  
L-index

#	Paper	IF	Citations
65	Pericytes of human skeletal muscle are myogenic precursors distinct from satellite cells. <i>Nature Cell Biology</i> , <b>2007</b> , 9, 255-67	23.4	791
64	Mesoangioblast stem cells ameliorate muscle function in dystrophic dogs. <i>Nature</i> , <b>2006</b> , 444, 574-9	50.4	615
63	Cells migrating to sites of tissue damage in response to the danger signal HMGB1 require NF-kappaB activation. <i>Journal of Cell Biology</i> , <b>2007</b> , 179, 33-40	7.3	219
62	Membrane type 1-matrix metalloproteinase is activated during migration of human endothelial cells and modulates endothelial motility and matrix remodeling. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 37491-500	5.4	185
61	ECM regulates MT1-MMP localization with beta1 or alphavbeta3 integrins at distinct cell compartments modulating its internalization and activity on human endothelial cells. <i>Journal of Cell Biology</i> , <b>2002</b> , 159, 509-21	7.3	182
60	Complete repair of dystrophic skeletal muscle by mesoangioblasts with enhanced migration ability. <i>Journal of Cell Biology</i> , <b>2006</b> , 174, 231-43	7.3	169
59	Caveolae are a novel pathway for membrane-type 1 matrix metalloproteinase traffic in human endothelial cells. <i>Molecular Biology of the Cell</i> , <b>2004</b> , 15, 678-87	3.5	150
58	Nitric oxide release combined with nonsteroidal antiinflammatory activity prevents muscular dystrophy pathology and enhances stem cell therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 264-9	11.5	145
57	The hepatitis B virus X protein promotes tumor cell invasion by inducing membrane-type matrix metalloproteinase-1 and cyclooxygenase-2 expression. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 1831-1838	15.9	142
56	Perivascular adipose tissue and mesenteric vascular function in spontaneously hypertensive rats. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 1297-302	9.4	133
55	Stromal cell-derived factor-1alpha promotes melanoma cell invasion across basement membranes involving stimulation of membrane-type 1 matrix metalloproteinase and Rho GTPase activities. <i>Cancer Research</i> , <b>2004</b> , 64, 2534-43	10.1	126
54	MT1-MMP: universal or particular player in angiogenesis?. <i>Cancer and Metastasis Reviews</i> , <b>2006</b> , 25, 77-86	9.6	112
53	Up-regulation of vascular endothelial growth factor-A by active membrane-type 1 matrix metalloproteinase through activation of Src-tyrosine kinases. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 13564-74	5.4	110
52	Distinctive functions of membrane type 1 matrix-metalloprotease (MT1-MMP or MMP-14) in lung and submandibular gland development are independent of its role in pro-MMP-2 activation. <i>Developmental Biology</i> , <b>2005</b> , 277, 255-69	3.1	105
51	Membrane type 1-matrix metalloproteinase is involved in migration of human monocytes and is regulated through their interaction with fibronectin or endothelium. <i>Blood</i> , <b>2005</b> , 105, 3956-64	2.2	100
50	Complex pattern of membrane type 1 matrix metalloproteinase shedding. Regulation by autocatalytic cells surface inactivation of active enzyme. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 26340-50	5.4	98
49	WdipagingWageing and obesity share biological hallmarks related to a dysfunctional adipose tissue. <i>Journal of Physiology</i> , <b>2016</b> , 594, 3187-207	3.9	93

48	Cardiac mesoangioblasts are committed, self-renewable progenitors, associated with small vessels of juvenile mouse ventricle. <i>Cell Death and Differentiation</i> , <b>2008</b> , 15, 1417-28	12.7	87
47	Membrane type 1-matrix metalloproteinase is regulated by chemokines monocyte-chemoattractant protein-1/ccl2 and interleukin-8/CXCL8 in endothelial cells during angiogenesis. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 1292-8	5.4	85
46	MiR-93 Controls Adiposity via Inhibition of Sirt7 and Tbx3. <i>Cell Reports</i> , <b>2015</b> , 12, 1594-605	10.6	82
45	The hepatitis B virus X protein promotes tumor cell invasion by inducing membrane-type matrix metalloproteinase-1 and cyclooxygenase-2 expression. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 1831-8	15.9	76
44	Altered metabolic and stemness capacity of adipose tissue-derived stem cells from obese mouse and human. <i>PLoS ONE</i> , <b>2015</b> , 10, e0123397	3.7	59
43	miR669a and miR669q prevent skeletal muscle differentiation in postnatal cardiac progenitors. <i>Journal of Cell Biology</i> , <b>2011</b> , 193, 1197-212	7.3	59
42	Targeted disruption of the SUCNR1 metabolic receptor leads to dichotomous effects on obesity. <i>Diabetes</i> , <b>2015</b> , 64, 1154-67	0.9	52
41	Ex vivo treatment with nitric oxide increases mesoangioblast therapeutic efficacy in muscular dystrophy. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 5114-23	5.3	51
40	Metabolic rescue of obese adipose-derived stem cells by Lin28/Let7 pathway. <i>Diabetes</i> , <b>2013</b> , 62, 2368-70	9.9	50
39	Functional interplay between endothelial nitric oxide synthase and membrane type 1 matrix metalloproteinase in migrating endothelial cells. <i>Blood</i> , <b>2007</b> , 110, 2916-23	2.2	45
38	Human cardiac mesoangioblasts isolated from hypertrophic cardiomyopathies are greatly reduced in proliferation and differentiation potency. <i>Cardiovascular Research</i> , <b>2009</b> , 83, 707-16	9.9	41
37	Matrix metalloproteinases: new routes to the use of MT1-MMP as a therapeutic target in angiogenesis-related disease. <i>Current Pharmaceutical Design</i> , <b>2007</b> , 13, 1787-802	3.3	41
36	Importance and regulation of adult stem cell migration. <i>Journal of Cellular and Molecular Medicine</i> , <b>2018</b> , 22, 746-754	5.6	40
35	Obese-derived ASCs show impaired migration and angiogenesis properties. <i>Archives of Physiology and Biochemistry</i> , <b>2013</b> , 119, 195-201	2.2	35
34	MT1-MMP and integrins: Hand-to-hand in cell communication. <i>BioFactors</i> , <b>2010</b> , 36, 248-54	6.1	35
33	Lifestyle interventions for the prevention and treatment of hypertension. <i>Nature Reviews Cardiology</i> , <b>2021</b> , 18, 251-275	14.8	33
32	Mitochondria determine the differentiation potential of cardiac mesoangioblasts. <i>Stem Cells</i> , <b>2011</b> , 29, 1064-74	5.8	32
31	TNF-alpha is required for the attraction of mesenchymal precursors to white adipose tissue in Ob/ob mice. <i>PLoS ONE</i> , <b>2009</b> , 4, e4444	3.7	31

30	Targeting endothelial junctional adhesion molecule-A/ EPAC/ Rap-1 axis as a novel strategy to increase stem cell engraftment in dystrophic muscles. <i>EMBO Molecular Medicine</i> , <b>2014</b> , 6, 239-58	12	30
29	Sox2 transduction enhances cardiovascular repair capacity of blood-derived mesoangioblasts. <i>Circulation Research</i> , <b>2010</b> , 106, 1290-302	15.7	28
28	Skeletal muscle differentiation of embryonic mesoangioblasts requires pax3 activity. <i>Stem Cells</i> , <b>2009</b> , 27, 157-64	5.8	27
27	New insight on obesity and adipose-derived stem cells using comprehensive metabolomics. <i>Biochemical Journal</i> , <b>2016</b> , 473, 2187-203	3.8	25
26	Unhealthy Stem Cells: When Health Conditions Upset Stem Cell Properties. <i>Cellular Physiology and Biochemistry</i> , <b>2018</b> , 46, 1999-2016	3.9	20
25	L-selectin and SDF-1 enhance the migration of mouse and human cardiac mesoangioblasts. <i>Cell Death and Differentiation</i> , <b>2012</b> , 19, 345-55	12.7	19
24	Obesity-driven alterations in adipose-derived stem cells are partially restored by weight loss. <i>Obesity</i> , <b>2016</b> , 24, 661-9	8	19
23	Successful aging: insights from proteome analyses of healthy centenarians. <i>Aging</i> , <b>2020</b> , 12, 3502-3515	5.6	18
22	Mesoangioblasts from ventricular vessels can differentiate in vitro into cardiac myocytes with sinoatrial-like properties. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2010</b> , 48, 415-23	5.8	17
21	Low-Intensity Pulsed Ultrasound Improves the Functional Properties of Cardiac Mesoangioblasts. <i>Stem Cell Reviews and Reports</i> , <b>2015</b> , 11, 852-65	6.4	16
20	Transcriptional profiling of interleukin-2-primed human adipose derived mesenchymal stem cells revealed dramatic changes in stem cells response imposed by replicative senescence. <i>Oncotarget</i> , <b>2015</b> , 6, 17938-57	3.3	16
19	The potential of stem cells in the treatment of cardiovascular diseases. <i>Stem Cell Reviews and Reports</i> , <b>2013</b> , 9, 814-32	6.4	15
18	Adipose stem cells from obese patients show specific differences in the metabolic regulators vitamin D and Gas5. <i>Molecular Genetics and Metabolism Reports</i> , <b>2017</b> , 12, 51-56	1.8	14
17	Method for obtaining committed adult mesenchymal precursors from skin and lung tissue. <i>PLoS ONE</i> , <b>2012</b> , 7, e53215	3.7	13
16	Muscle molecular adaptations to endurance exercise training are conditioned by glycogen availability: a proteomics-based analysis in the McArdle mouse model. <i>Journal of Physiology</i> , <b>2018</b> , 596, 1035-1061	3.9	12
15	Simple measurement of the apparent viscosity of a cell from only one picture: Application to cardiac stem cells. <i>Physical Review E</i> , <b>2014</b> , 90, 052715	2.4	12
14	Biological Rationale for Regular Physical Exercise as an Effective Intervention for the Prevention and Treatment of Depressive Disorders. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 3764-75	3.3	12
13	Circulating leptin and adiponectin concentrations in healthy exceptional longevity. <i>Mechanisms of Ageing and Development</i> , <b>2017</b> , 162, 129-132	5.6	11

12	A new paradigm for the understanding of obesity: the role of stem cells. <i>Archives of Physiology and Biochemistry</i> , <b>2011</b> , 117, 188-94	2.2	9
11	Ultrasound Therapy: Experiences and Perspectives for Regenerative Medicine. <i>Genes</i> , <b>2020</b> , 11,	4.2	9
10	Membrane Blebbing Is Required for Mesenchymal Precursor Migration. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150004	3.7	9
9	iPSCs-based anti-aging therapies: Recent discoveries and future challenges. <i>Ageing Research Reviews</i> , <b>2016</b> , 27, 37-41	12	4
8	Isolation, characterization and differentiation potential of cardiac progenitor cells in adult pigs. <i>Stem Cell Reviews and Reports</i> , <b>2012</b> , 8, 706-19	6.4	4
7	An opto-structural method to estimate the stress-strain field induced by cell contraction on substrates of controlled stiffness in vitro. <i>Journal of Applied Biomaterials and Functional Materials</i> , <b>2013</b> , 11, e143-50	1.8	2
6	Adipokines disrupt cardiac differentiation and cardiomyocyte survival. <i>International Journal of Obesity</i> , <b>2020</b> , 44, 908-919	5.5	1
5	BMPER is upregulated in obesity and seems to have a role in pericardial adipose stem cells. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 132-145	7	1
4	Application of low-intensity pulsed therapeutic ultrasound on mesenchymal precursors does not affect their cell properties. <i>PLoS ONE</i> , <b>2021</b> , 16, e0246261	3.7	0
3	Functional Assays of Stem Cell Properties Derived from Different Niches. <i>Methods in Molecular Biology</i> , <b>2019</b> , 2002, 29-38	1.4	
2	Complete repair of dystrophic skeletal muscle by mesoangioblasts with enhanced migration ability. <i>Journal of Experimental Medicine</i> , <b>2006</b> , 203, i21-i21	16.6	
1	Cells migrating to sites of tissue damage in response to the danger signal HMGB1 require NF- $\kappa$ B activation. <i>Journal of Experimental Medicine</i> , <b>2007</b> , 204, i24-i24	16.6	