

# Amy J Wagers

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2426005/amy-j-wagers-publications-by-year.pdf>

**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

73 papers	11,255 citations	36 h-index	76 g-index
76 ext. papers	13,642 ext. citations	16.9 avg, IF	6.05 L-index

#	Paper	IF	Citations
73	FOS licenses early events in stem cell activation driving skeletal muscle regeneration. <i>Cell Reports</i> , <b>2021</b> , 34, 108656	10.6	9
72	Directed evolution of a family of AAV capsid variants enabling potent muscle-directed gene delivery across species. <i>Cell</i> , <b>2021</b> , 184, 4919-4938.e22	56.2	30
71	Exogenous GDF11, but not GDF8, reduces body weight and improves glucose homeostasis in mice. <i>Scientific Reports</i> , <b>2020</b> , 10, 4561	4.9	7
70	Thioredoxin Interacting Protein Is Required for a Chronic Energy-Rich Diet to Promote Intestinal Fructose Absorption. <i>IScience</i> , <b>2020</b> , 23, 101521	6.1	3
69	Growth inhibition associated with disruption of the actin cytoskeleton by Latrunculin A in rhabdomyosarcoma cells <b>2020</b> , 15, e0238572		
68	Growth inhibition associated with disruption of the actin cytoskeleton by Latrunculin A in rhabdomyosarcoma cells <b>2020</b> , 15, e0238572		
67	Growth inhibition associated with disruption of the actin cytoskeleton by Latrunculin A in rhabdomyosarcoma cells <b>2020</b> , 15, e0238572		
66	Growth inhibition associated with disruption of the actin cytoskeleton by Latrunculin A in rhabdomyosarcoma cells <b>2020</b> , 15, e0238572		
65	Growth inhibition associated with disruption of the actin cytoskeleton by Latrunculin A in rhabdomyosarcoma cells <b>2020</b> , 15, e0238572		
64	Growth inhibition associated with disruption of the actin cytoskeleton by Latrunculin A in rhabdomyosarcoma cells <b>2020</b> , 15, e0238572		
63	Steady-state and regenerative hematopoiesis occurs normally in mice in the absence of GDF11. <i>Blood</i> , <b>2019</b> , 134, 1712-1716	2.2	6
62	The cis-Regulatory Atlas of the Mouse Immune System. <i>Cell</i> , <b>2019</b> , 176, 897-912.e20	56.2	161
61	Analysis of Cre-mediated genetic deletion of in cardiomyocytes of young mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 317, H201-H212	5.2	12
60	In Situ Modification of Tissue Stem and Progenitor Cell Genomes. <i>Cell Reports</i> , <b>2019</b> , 27, 1254-1264.e7	10.6	25
59	The Firre locus produces a trans-acting RNA molecule that functions in hematopoiesis. <i>Nature Communications</i> , <b>2019</b> , 10, 5137	17.4	28
58	Variation in zygotic CRISPR/Cas9 gene editing outcomes generates novel reporter and deletion alleles at the Gdf11 locus. <i>Scientific Reports</i> , <b>2019</b> , 9, 18613	4.9	3
57	Methods of Isolation and Analysis of TREG Immune Infiltrates from Injured and Dystrophic Skeletal Muscle. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1899, 229-237	1.4	0

56	Direct Reprogramming of Mouse Fibroblasts into Functional Skeletal Muscle Progenitors. <i>Stem Cell Reports</i> , <b>2018</b> , 10, 1505-1521	8	45
55	What's in a (Sub)strain?. <i>Stem Cell Reports</i> , <b>2018</b> , 11, 303-305	8	3
54	Tissue Derived Non-Classical Monocyte Derived Host Macrophages Protect Against Murine Intestinal Acute Graft-Versus-Host Disease. <i>Blood</i> , <b>2018</b> , 132, 3315-3315	2.2	
53	Attenuation of PKC $\delta$ enhances metabolic activity and promotes expansion of blood progenitors. <i>EMBO Journal</i> , <b>2018</b> , 37,	13	3
52	Structural basis for potency differences between GDF8 and GDF11. <i>BMC Biology</i> , <b>2017</b> , 15, 19	7.3	63
51	Organism-Level Analysis of Vaccination Reveals Networks of Protection across Tissues. <i>Cell</i> , <b>2017</b> , 171, 398-413.e21	56.2	50
50	Prolyl Hydroxylase Domain-2 Inhibition Improves Skeletal Muscle Regeneration in a Male Murine Model of Obesity. <i>Frontiers in Endocrinology</i> , <b>2017</b> , 8, 153	5.7	8
49	Circulating Growth Differentiation Factor 11/8 Levels Decline With Age. <i>Circulation Research</i> , <b>2016</b> , 118, 29-37	15.7	122
48	The Vitamin D Receptor Regulates Tissue Resident Macrophage Response to Injury. <i>Endocrinology</i> , <b>2016</b> , 157, 4066-4075	4.8	23
47	Phosphoproteomic profiling of mouse primary HSPCs reveals new regulators of HSPC mobilization. <i>Blood</i> , <b>2016</b> , 128, 1465-74	2.2	15
46	Hedgehog-driven myogenic tumors recapitulate skeletal muscle cellular heterogeneity. <i>Experimental Cell Research</i> , <b>2016</b> , 340, 43-52	4.2	1
45	Poor Repair of Skeletal Muscle in Aging Mice Reflects a Defect in Local, Interleukin-33-Dependent Accumulation of Regulatory T Cells. <i>Immunity</i> , <b>2016</b> , 44, 355-67	32.3	256
44	EGLN1 Inhibition and Rerouting of $\alpha$ -Ketoglutarate Suffice for Remote Ischemic Protection. <i>Cell</i> , <b>2016</b> , 164, 884-95	56.2	71
43	Molecular circuitry of stem cell fate in skeletal muscle regeneration, ageing and disease. <i>Nature Reviews Molecular Cell Biology</i> , <b>2016</b> , 17, 267-79	48.7	156
42	Developmental regulation of myeloerythroid progenitor function by the Lin28b-let-7-Hmga2 axis. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 1497-512	16.6	44
41	Aging and Rejuvenation: Insights from Rusty Gage, Leonard Guarente, and Amy Wagers. <i>Trends in Molecular Medicine</i> , <b>2016</b> , 22, 633-634	11.5	3
40	Biochemistry and Biology of GDF11 and Myostatin: Similarities, Differences, and Questions for Future Investigation. <i>Circulation Research</i> , <b>2016</b> , 118, 1125-41; discussion 1142	15.7	116
39	Overexpressing IRS1 in Endothelial Cells Enhances Angioblast Differentiation and Wound Healing in Diabetes and Insulin Resistance. <i>Diabetes</i> , <b>2016</b> , 65, 2760-71	0.9	24

38	A multifunctional AAV-CRISPR-Cas9 and its host response. <i>Nature Methods</i> , <b>2016</b> , 13, 868-74	21.6	359
37	Preserved DNA Damage Checkpoint Pathway Protects against Complications in Long-Standing Type 1 Diabetes. <i>Cell Metabolism</i> , <b>2015</b> , 22, 239-52	24.6	34
36	High-level Gpr56 expression is dispensable for the maintenance and function of hematopoietic stem and progenitor cells in mice. <i>Stem Cell Research</i> , <b>2015</b> , 14, 307-22	1.6	18
35	Engineering Escherichia coli into a protein delivery system for mammalian cells. <i>ACS Synthetic Biology</i> , <b>2015</b> , 4, 644-54	5.7	25
34	Antigen- and cytokine-driven accumulation of regulatory T cells in visceral adipose tissue of lean mice. <i>Cell Metabolism</i> , <b>2015</b> , 21, 543-57	24.6	237
33	Young, proliferative thymic epithelial cells engraft and function in aging thymuses. <i>Journal of Immunology</i> , <b>2015</b> , 194, 4784-95	5.3	43
32	Single-cell RNA-seq reveals changes in cell cycle and differentiation programs upon aging of hematopoietic stem cells. <i>Genome Research</i> , <b>2015</b> , 25, 1860-72	9.7	348
31	Excessive Cellular Proliferation Negatively Impacts Reprogramming Efficiency of Human Fibroblasts. <i>Stem Cells Translational Medicine</i> , <b>2015</b> , 4, 1101-8	6.9	11
30	Functional genomic screening reveals asparagine dependence as a metabolic vulnerability in sarcoma. <i>ELife</i> , <b>2015</b> , 4,	8.9	35
29	FOXP3+ T Cells Recruited to Sites of Sterile Skeletal Muscle Injury Regulate the Fate of Satellite Cells and Guide Effective Tissue Regeneration. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128094	3.7	98
28	Distinct malignant behaviors of mouse myogenic tumors induced by different oncogenetic lesions. <i>Frontiers in Oncology</i> , <b>2015</b> , 5, 50	5.3	3
27	Lung stem cell differentiation in mice directed by endothelial cells via a BMP4-NFATc1-thrombospondin-1 axis. <i>Cell</i> , <b>2014</b> , 156, 440-55	56.2	296
26	Restoring systemic GDF11 levels reverses age-related dysfunction in mouse skeletal muscle. <i>Science</i> , <b>2014</b> , 344, 649-52	33.3	568
25	Rhabdomyosarcoma: current challenges and their implications for developing therapies. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2014</b> , 4, a025650	5.4	42
24	Rictor/mTORC2 loss in the Myf5 lineage reprograms brown fat metabolism and protects mice against obesity and metabolic disease. <i>Cell Reports</i> , <b>2014</b> , 8, 256-71	10.6	69
23	The Hippo transducer YAP1 transforms activated satellite cells and is a potent effector of embryonal rhabdomyosarcoma formation. <i>Cancer Cell</i> , <b>2014</b> , 26, 273-87	24.3	122
22	Diminished Schwann cell repair responses underlie age-associated impaired axonal regeneration. <i>Neuron</i> , <b>2014</b> , 83, 331-343	13.9	156
21	Stem cell aging: mechanisms, regulators and therapeutic opportunities. <i>Nature Medicine</i> , <b>2014</b> , 20, 870-80	30.5	444

20	Isolation of progenitors that exhibit myogenic/osteogenic bipotency in vitro by fluorescence-activated cell sorting from human fetal muscle. <i>Stem Cell Reports</i> , <b>2014</b> , 2, 92-106	8	54
19	Vascular and neurogenic rejuvenation of the aging mouse brain by young systemic factors. <i>Science</i> , <b>2014</b> , 344, 630-4	33.3	655
18	Inhibiting stromal cell heparan sulfate synthesis improves stem cell mobilization and enables engraftment without cytotoxic conditioning. <i>Blood</i> , <b>2014</b> , 124, 2937-47	2.2	34
17	Cell-cycle dependent expression of a translocation-mediated fusion oncogene mediates checkpoint adaptation in rhabdomyosarcoma. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004107	6	26
16	Lineage of origin in rhabdomyosarcoma informs pharmacological response. <i>Genes and Development</i> , <b>2014</b> , 28, 1578-91	12.6	64
15	Inhibition of Let-7 Maturation By Lin28b Controls Timing of Embryonic and Adult Myeloid Progenitor Phenotypes during Development. <i>Blood</i> , <b>2014</b> , 124, 763-763	2.2	
14	M2 microglia and macrophages drive oligodendrocyte differentiation during CNS remyelination. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 1211-1218	25.5	1032
13	A zebrafish embryo culture system defines factors that promote vertebrate myogenesis across species. <i>Cell</i> , <b>2013</b> , 155, 909-921	56.2	123
12	Transcriptome analysis identifies regulators of hematopoietic stem and progenitor cells. <i>Stem Cell Reports</i> , <b>2013</b> , 1, 266-80	8	66
11	Growth differentiation factor 11 is a circulating factor that reverses age-related cardiac hypertrophy. <i>Cell</i> , <b>2013</b> , 153, 828-39	56.2	629
10	Novel Small-Scale Phosphoproteomic Discovery Of Therapeutic Targets For Hematopoietic Stem and Progenitor Cell Mobilization. <i>Blood</i> , <b>2013</b> , 122, 1183-1183	2.2	
9	Rejuvenation of regeneration in the aging central nervous system. <i>Cell Stem Cell</i> , <b>2012</b> , 10, 96-103	18	434
8	The stem cell niche in regenerative medicine. <i>Cell Stem Cell</i> , <b>2012</b> , 10, 362-9	18	184
7	Hematopoietic Stem/Progenitor Cell Retention in the Bone Marrow Depends On Tissue Specific Heparan Sulfate Proteoglycans. <i>Blood</i> , <b>2012</b> , 120, 637-637	2.2	1
6	Sarcomas induced in discrete subsets of prospectively isolated skeletal muscle cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 20002-7	11.5	54
5	Age Dependent Alternations In Hematopoietic Stem Cell Niches. <i>Blood</i> , <b>2011</b> , 118, 2395-2395	2.2	
4	The Immunological Genome Project: networks of gene expression in immune cells. <i>Nature Immunology</i> , <b>2008</b> , 9, 1091-4	19.1	1098
3	The transcription factor EGR1 controls both the proliferation and localization of hematopoietic stem cells. <i>Cell Stem Cell</i> , <b>2008</b> , 2, 380-91	18	215

- 2 Rejuvenation of aged progenitor cells by exposure to a young systemic environment. *Nature*, **2005**, 433, 760-4 50.4 1642
- 1 Physiological migration of hematopoietic stem and progenitor cells. *Science*, **2001**, 294, 1933-6 33.3 748