

# Henry M Sucov

## List of Publications by Citations

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64  
papers

5,270  
citations

42  
h-index

68  
g-index

68  
ext. papers

5,870  
ext. citations

7.4  
avg, IF

5.15  
L-index

#	Paper	IF	Citations
64	Tissue origins and interactions in the mammalian skull vault. <i>Developmental Biology</i> , <b>2002</b> , 241, 106-16	3.1	566
63	Generation of a prostate epithelial cell-specific Cre transgenic mouse model for tissue-specific gene ablation. <i>Mechanisms of Development</i> , <b>2001</b> , 101, 61-9	1.7	290
62	An essential role for retinoid receptors RARbeta and RXRgamma in long-term potentiation and depression. <i>Neuron</i> , <b>1998</b> , 21, 1353-61	13.9	280
61	Hepatocyte-specific mutation establishes retinoid X receptor alpha as a heterodimeric integrator of multiple physiological processes in the liver. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 4436-44	4.8	212
60	Epicardial induction of fetal cardiomyocyte proliferation via a retinoic acid-inducible trophic factor. <i>Developmental Biology</i> , <b>2002</b> , 250, 198-207	3.1	191
59	The role of erythropoietin in regulating angiogenesis. <i>Developmental Biology</i> , <b>2004</b> , 276, 101-10	3.1	174
58	Mesenchymal origin of hepatic stellate cells, submesothelial cells, and perivascular mesenchymal cells during mouse liver development. <i>Hepatology</i> , <b>2009</b> , 49, 998-1011	11.2	166
57	Frequency of mononuclear diploid cardiomyocytes underlies natural variation in heart regeneration. <i>Nature Genetics</i> , <b>2017</b> , 49, 1346-1353	36.3	163
56	Msx2 and Twist cooperatively control the development of the neural crest-derived skeletogenic mesenchyme of the murine skull vault. <i>Development (Cambridge)</i> , <b>2003</b> , 130, 6131-42	6.6	153
55	Combined deficiencies of Msx1 and Msx2 cause impaired patterning and survival of the cranial neural crest. <i>Development (Cambridge)</i> , <b>2005</b> , 132, 4937-50	6.6	144
54	Endothelins are vascular-derived axonal guidance cues for developing sympathetic neurons. <i>Nature</i> , <b>2008</b> , 452, 759-63	50.4	138
53	IGF signaling directs ventricular cardiomyocyte proliferation during embryonic heart development. <i>Development (Cambridge)</i> , <b>2011</b> , 138, 1795-805	6.6	134
52	A lineage-specific gene encoding a major matrix protein of the sea urchin embryo spicule. I. Authentication of the cloned gene and its developmental expression. <i>Developmental Biology</i> , <b>1987</b> , 120, 499-506	3.1	134
51	Retinoic acid and retinoic acid receptors in development. <i>Molecular Neurobiology</i> , <b>1995</b> , 10, 169-84	6.2	125
50	Retinoic acid can enhance conversion of naive into regulatory T cells independently of secreted cytokines. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 2131-9	16.6	119
49	A lineage-specific gene encoding a major matrix protein of the sea urchin embryo spicule. II. Structure of the gene and derived sequence of the protein. <i>Developmental Biology</i> , <b>1987</b> , 120, 507-19	3.1	109
48	Igf Signaling is Required for Cardiomyocyte Proliferation during Zebrafish Heart Development and Regeneration. <i>PLoS ONE</i> , <b>2013</b> , 8, e67266	3.7	104

47	Compound mutants for retinoic acid receptor (RAR) beta and RAR alpha 1 reveal developmental functions for multiple RAR beta isoforms. <i>Mechanisms of Development</i> , <b>1996</b> , 55, 33-44	1.7	104
46	Adipogenesis and epicardial adipose tissue: a novel fate of the epicardium induced by mesenchymal transformation and PPAR $\delta$ activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 2070-5	11.5	99
45	Chemokine-guided angiogenesis directs coronary vasculature formation in zebrafish. <i>Developmental Cell</i> , <b>2015</b> , 33, 442-54	10.2	89
44	Normal fate and altered function of the cardiac neural crest cell lineage in retinoic acid receptor mutant embryos. <i>Mechanisms of Development</i> , <b>2002</b> , 117, 115-22	1.7	88
43	Endocardium Minimally Contributes to Coronary Endothelium in the Embryonic Ventricular Free Walls. <i>Circulation Research</i> , <b>2016</b> , 118, 1880-93	15.7	82
42	Retinoic acid stimulates myocardial expansion by induction of hepatic erythropoietin which activates epicardial Igf2. <i>Development (Cambridge)</i> , <b>2011</b> , 138, 139-48	6.6	80
41	Requirement for AP-2alpha in cardiac outflow tract morphogenesis. <i>Mechanisms of Development</i> , <b>2002</b> , 110, 139-49	1.7	78
40	Cardiovascular malformations with normal smooth muscle differentiation in neural crest-specific type II TGFbeta receptor (Tgfb2) mutant mice. <i>Developmental Biology</i> , <b>2006</b> , 289, 420-9	3.1	76
39	Defective ALK5 signaling in the neural crest leads to increased postmigratory neural crest cell apoptosis and severe outflow tract defects. <i>BMC Developmental Biology</i> , <b>2006</b> , 6, 51	3.1	74
38	Msx1 and Msx2 regulate survival of secondary heart field precursors and post-migratory proliferation of cardiac neural crest in the outflow tract. <i>Developmental Biology</i> , <b>2007</b> , 308, 421-37	3.1	68
37	Retinoic acid regulates differentiation of the secondary heart field and TGFbeta-mediated outflow tract septation. <i>Developmental Cell</i> , <b>2010</b> , 18, 480-5	10.2	67
36	Peroxisome proliferator-activated receptor alpha-mediated pathways are altered in hepatocyte-specific retinoid X receptor alpha-deficient mice. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 28285-90	5.4	66
35	Absence of TGFbeta signaling in embryonic vascular smooth muscle leads to reduced lysyl oxidase expression, impaired elastogenesis, and aneurysm. <i>Genesis</i> , <b>2009</b> , 47, 115-21	1.9	65
34	Molecular insights into cardiac development. <i>Annual Review of Physiology</i> , <b>1998</b> , 60, 287-308	23.1	65
33	Compartment-selective sensitivity of cardiovascular morphogenesis to combinations of retinoic acid receptor gene mutations. <i>Circulation Research</i> , <b>1997</b> , 80, 757-64	15.7	65
32	Msx2 is an immediate downstream effector of Pax3 in the development of the murine cardiac neural crest. <i>Development (Cambridge)</i> , <b>2002</b> , 129, 527-538	6.6	65
31	The corrected structure of the SM50 spicule matrix protein of <i>Strongylocentrotus purpuratus</i> . <i>Developmental Biology</i> , <b>1991</b> , 145, 201-2	3.1	64
30	CXCL12 Signaling Is Essential for Maturation of the Ventricular Coronary Endothelial Plexus and Establishment of Functional Coronary Circulation. <i>Developmental Cell</i> , <b>2015</b> , 33, 469-77	10.2	59

29	Msx1 and Msx2 are required for endothelial-mesenchymal transformation of the atrioventricular cushions and patterning of the atrioventricular myocardium. <i>BMC Developmental Biology</i> , <b>2008</b> , 8, 75	3.1	59
28	A developmental transition in definitive erythropoiesis: erythropoietin expression is sequentially regulated by retinoic acid receptors and HNF4. <i>Genes and Development</i> , <b>2001</b> , 15, 889-901	12.6	55
27	Convergent proliferative response and divergent morphogenic pathways induced by epicardial and endocardial signaling in fetal heart development. <i>Mechanisms of Development</i> , <b>2005</b> , 122, 57-65	1.7	50
26	Epicardial control of myocardial proliferation and morphogenesis. <i>Pediatric Cardiology</i> , <b>2009</b> , 30, 617-25	2.1	47
25	PDGF-A as an epicardial mitogen during heart development. <i>Developmental Dynamics</i> , <b>2008</b> , 237, 692-701	1.9	44
24	Cranial neural crest-derived mesenchymal proliferation is regulated by Msx1-mediated p19(INK4d) expression during odontogenesis. <i>Developmental Biology</i> , <b>2003</b> , 261, 183-96	3.1	44
23	Cardiomyocyte Polyploidy and Implications for Heart Regeneration. <i>Annual Review of Physiology</i> , <b>2020</b> , 82, 45-61	23.1	37
22	Extracardiac control of embryonic cardiomyocyte proliferation and ventricular wall expansion. <i>Cardiovascular Research</i> , <b>2015</b> , 105, 271-8	9.9	36
21	Expression of the epithelial marker E-cadherin by thyroid C cells and their precursors during murine development. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2007</b> , 55, 1075-88	3.4	36
20	Nkx2-5 regulates cardiac growth through modulation of Wnt signaling by R-spondin3. <i>Development (Cambridge)</i> , <b>2014</b> , 141, 2959-71	6.6	35
19	Retinoic acid, hypoxia, and GATA factors cooperatively control the onset of fetal liver erythropoietin expression and erythropoietic differentiation. <i>Developmental Biology</i> , <b>2005</b> , 280, 59-72	3.1	28
18	Mesodermal retinoic acid signaling regulates endothelial cell coalescence in caudal pharyngeal arch artery vasculogenesis. <i>Developmental Biology</i> , <b>2012</b> , 361, 116-24	3.1	19
17	Endothelial neuropilin disruption in mice causes DiGeorge syndrome-like malformations via mechanisms distinct to those caused by loss of Tbx1. <i>PLoS ONE</i> , <b>2012</b> , 7, e32429	3.7	19
16	Tnni3k alleles influence ventricular mononuclear diploid cardiomyocyte frequency. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008354	6	18
15	A simplified genetic design for mammalian enamel. <i>Biomaterials</i> , <b>2011</b> , 32, 3151-7	15.6	17
14	MEGF8 is a modifier of BMP signaling in trigeminal sensory neurons. <i>ELife</i> , <b>2013</b> , 2, e01160	8.9	17
13	Mononuclear diploid cardiomyocytes support neonatal mouse heart regeneration in response to paracrine IGF2 signaling. <i>ELife</i> , <b>2020</b> , 9,	8.9	13
12	PRMT1-p53 Pathway Controls Epicardial EMT and Invasion. <i>Cell Reports</i> , <b>2020</b> , 31, 107739	10.6	12

11	Differential roles of insulin like growth factor 1 receptor and insulin receptor during embryonic heart development. <i>BMC Developmental Biology</i> , <b>2019</b> , 19, 5	3.1	10
10	Retinoids in Heart Development <b>1999</b> , 209-219		8
9	Phases and Mechanisms of Embryonic Cardiomyocyte Proliferation and Ventricular Wall Morphogenesis. <i>Pediatric Cardiology</i> , <b>2019</b> , 40, 1359-1366	2.1	7
8	Delta-like ligand 4-mediated Notch signaling controls proliferation of second heart field progenitor cells by regulating Fgf8 expression. <i>Development (Cambridge)</i> , <b>2020</b> , 147,	6.6	7
7	Dysregulated endocardial TGF $\beta$ signaling and mesenchymal transformation result in heart outflow tract septation failure. <i>Developmental Biology</i> , <b>2016</b> , 409, 272-276	3.1	7
6	Getting it right: Measuring cardiomyocyte cell cycle activity and proliferation in the age of heart regeneration.. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2022</b> ,	5.2	4
5	Allelic variants between mouse substrains BALB/cJ and BALB/cByJ influence mononuclear cardiomyocyte composition and cardiomyocyte nuclear ploidy. <i>Scientific Reports</i> , <b>2020</b> , 10, 7605	4.9	3
4	The prevalent I686T human variant and loss-of-function mutations in the cardiomyocyte-specific kinase gene TNNI3K cause adverse contractility and concentric remodeling in mice. <i>Human Molecular Genetics</i> , <b>2021</b> , 29, 3504-3515	5.6	3
3	Apical Resection and Cryoinjury of Neonatal Mouse Heart. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2158, 23-32	1.4	0
2	TGF- $\beta$ does not affect Neural Crest Cell Migration but is a Key Player in Vascular Remodeling During Embryogenesis <b>2007</b> , 148-149		
1	Tracing Cell Lineage in Mammalian Cardiovascular Development. <i>FASEB Journal</i> , <b>2008</b> , 22, 11.2	0.9	