Richard P Harvey

List of Publications by Year in Descending Order

214 papers	18,198 citations	68 h-index	131 g-index
234 ext. papers	20,509 ext. citations	10.7 avg, IF	6.3 L-index

#	Paper	IF	Citations
214	Quantitative 3D analysis and visualization of cardiac fibrosis by microcomputed tomography.. *STAR Protocols*, **2022**, 3, 101055	1.4	0
213	Platelet-Derived Growth Factor Receptor Type Activation Drives Pulmonary Vascular Remodeling Via Progenitor Cell Proliferation and Induces Pulmonary Hypertension.. *Journal of the American Heart Association*, **2022**, e023021	6	1
212	Hif-1a suppresses ROS-induced proliferation of cardiac fibroblasts following myocardial infarction. *Cell Stem Cell*, **2021**,	18	11
211	Whole genome sequencing in transposition of the great arteries and associations with clinically relevant heart, brain and laterality genes. *American Heart Journal*, **2021**, 244, 1-13	4.9	1
210	Conserved Role of the Large Conductance Calcium-Activated Potassium Channel, K1.1, in Sinus Node Function and Arrhythmia Risk. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003144	5.2	2
209	Single cell sequencing reveals endothelial plasticity with transient mesenchymal activation after myocardial infarction. *Nature Communications*, **2021**, 12, 681	17.4	36
208	Regeneration of infarcted mouse hearts by cardiovascular tissue formed via the direct reprogramming of mouse fibroblasts. *Nature Biomedical Engineering*, **2021**, 5, 880-896	19	5
207	Perinatal angiogenesis from pre-existing coronary vessels via DLL4-NOTCH1 signalling. *Nature Cell Biology*, **2021**, 23, 967-977	23.4	6
206	FACS Enrichment of Total Interstitial Cells and Fibroblasts from Adult Mouse Ventricles. *Bio-protocol*, **2021**, 11, e4028	0.9	0
205	Sierra: discovery of differential transcript usage from polyA-captured single-cell RNA-seq data. *Genome Biology*, **2020**, 21, 167	18.3	21
204	Tissue-Resident PDGFR Progenitor Cells Contribute to Fibrosis versus Healing in a Context- and Spatiotemporally Dependent Manner. *Cell Reports*, **2020**, 30, 555-570.e7	10.6	22
203	Basic Biology of Extracellular Matrix in the Cardiovascular System, Part 1/4: JACC Focus Seminar. *Journal of the American College of Cardiology*, **2020**, 75, 2169-2188	15.1	13
202	Platelet-derived growth factor-AB improves scar mechanics and vascularity after myocardial infarction. *Science Translational Medicine*, **2020**, 12,	17.5	23
201	Single cell analysis of the developing mouse kidney provides deeper insight into marker gene expression and ligand-receptor crosstalk. *Development (Cambridge)*, **2019**, 146,	6.6	59
200	Single-cell expression profiling reveals dynamic flux of cardiac stromal, vascular and immune cells in health and injury. *ELife*, **2019**, 8,	8.9	191
199	Transcriptional heterogeneity of fibroblasts is a hallmark of the aging heart. *JCI Insight*, **2019**, 4,	9.9	44
198	Author response: Single-cell expression profiling reveals dynamic flux of cardiac stromal, vascular and immune cells in health and injury **2019**,		10

197	Gene-environment interaction impacts on heart development and embryo survival. *Development (Cambridge)*, **2019**, 146,	6.6	29
196	Association of the PHACTR1/EDN1 Genetic Locus With Spontaneous Coronary Artery Dissection. *Journal of the American College of Cardiology*, **2019**, 73, 58-66	15.1	86
195	Endothelial to Mesenchymal Transition in Cardiovascular Disease: JACC State-of-the-Art Review. *Journal of the American College of Cardiology*, **2019**, 73, 190-209	15.1	189
194	Identification of clinically actionable variants from genome sequencing of families with congenital heart disease. *Genetics in Medicine*, **2019**, 21, 1111-1120	8.1	25
193	Comparative regenerative mechanisms across different mammalian tissues. *Npj Regenerative Medicine*, **2018**, 3, 6	15.8	94
192	Analysis of cardiac stem cell self-renewal dynamics in serum-free medium by single cell lineage tracking. *Stem Cell Research*, **2018**, 28, 115-124	1.6	5
191	NKX2-5 regulates human cardiomyogenesis via a HEY2 dependent transcriptional network. *Nature Communications*, **2018**, 9, 1373	17.4	45
190	Genetic burden and associations with adverse neurodevelopment in neonates with congenital heart disease. *American Heart Journal*, **2018**, 201, 33-39	4.9	15
189	Deletion of Nkx2-5 in trabecular myocardium reveals the developmental origins of pathological heterogeneity associated with ventricular non-compaction cardiomyopathy. *PLoS Genetics*, **2018**, 14, e1007502	6	22
188	Control of cardiac jelly dynamics by NOTCH1 and NRG1 defines the building plan for trabeculation. *Nature*, **2018**, 557, 439-445	50.4	88
187	Intravital Imaging to Monitor Therapeutic Response in Moving Hypoxic Regions Resistant to PI3K Pathway Targeting in Pancreatic Cancer. *Cell Reports*, **2018**, 23, 3312-3326	10.6	43
186	Wnt inhibition promotes vascular specification of embryonic cardiac progenitors. *Development (Cambridge)*, **2018**, 145,	6.6	4
185	Finding the Petroclival Carotid Artery: The Vidian-Eustachian Junction as a Reliable Landmark. *Journal of Neurological Surgery, Part B: Skull Base*, **2018**, 79, 361-366	1.5	5
184	Analysis of steric effects in DamID profiling of transcription factor target genes. *Genomics*, **2017**, 109, 75-82	4.3	7
183	Advances in the Genetics of Congenital Heart Disease: A Clinicians Guide. *Journal of the American College of Cardiology*, **2017**, 69, 859-870	15.1	76
182	Transient tissue priming via ROCK inhibition uncouples pancreatic cancer progression, sensitivity to chemotherapy, and metastasis. *Science Translational Medicine*, **2017**, 9,	17.5	159
181	Altered cytokine profile, pain sensitivity, and stress responsivity in mice with co-disruption of the developmental genes Neuregulin-1 DISC1. *Behavioural Brain Research*, **2017**, 320, 113-118	3.4	4
180	Loss of Rearranged L-Myc Fusion (RLF) results in defects in heart development in the mouse. *Differentiation*, **2017**, 94, 8-20	3.5	6

179	The promises and challenges of exome sequencing in familial, non-syndromic congenital heart disease. *International Journal of Cardiology*, **2017**, 230, 155-163	3.2	8
178	A RhoA-FRET Biosensor Mouse for Intravital Imaging in Normal Tissue Homeostasis and Disease Contexts. *Cell Reports*, **2017**, 21, 274-288	10.6	65
177	Nkx2.5 marks angioblasts that contribute to hemogenic endothelium of the endocardium and dorsal aorta. *ELife*, **2017**, 6,	8.9	17
176	Platelet-derived growth factor (PDGF) signaling directs cardiomyocyte movement toward the midline during heart tube assembly. *ELife*, **2017**, 6,	8.9	28
175	Specialized Information Processing Deficits and Distinct Metabolomic Profiles Following TM-Domain Disruption of Nrg1. *Schizophrenia Bulletin*, **2017**, 43, 1100-1113	1.3	2
174	Uncontrolled angiogenic precursor expansion causes coronary artery anomalies in mice lacking Pofut1. *Nature Communications*, **2017**, 8, 578	17.4	20
173	Epistatic and Independent Effects on Schizophrenia-Related Phenotypes Following Co-disruption of the Risk Factors Neuregulin-1 DISC1. *Schizophrenia Bulletin*, **2017**, 43, 214-225	1.3	10
172	Point mutations in murine phenocopy human congenital heart disease and induce pathogenic Wnt signaling. *JCI Insight*, **2017**, 2, e88271	9.9	15
171	A rapid co-culture stamping device for studying intercellular communication. *Scientific Reports*, **2016**, 6, 35618	4.9	9
170	Large-Scale Production of Cardiomyocytes from Human Pluripotent Stem Cells Using a Highly Reproducible Small Molecule-Based Differentiation Protocol. *Journal of Visualized Experiments*, **2016**,	1.6	12
169	A novel conditional mouse model for Nkx2-5 reveals transcriptional regulation of cardiac ion channels. *Differentiation*, **2016**, 91, 29-41	3.5	17
168	Live cell imaging and single cell tracking of mesenchymal stromal cells in vitro **2016**, 323-346		0
167	Pathophysiological Trends During Withdrawal of Life Support: Implications for Organ Donation After Circulatory Death. *Transplantation*, **2016**, 100, 2621-2629	1.8	32
166	Developmental origin and lineage plasticity of endogenous cardiac stem cells. *Development (Cambridge)*, **2016**, 143, 1242-58	6.6	56
165	Prediction and validation of protein-protein interactors from genome-wide DNA-binding data using a knowledge-based machine-learning approach. *Open Biology*, **2016**, 6,	7	8
164	A common Shox2-Nkx2-5 antagonistic mechanism primes the pacemaker cell fate in the pulmonary vein myocardium and sinoatrial node. *Development (Cambridge)*, **2015**, 142, 2521-32	6.6	63
163	Normothermic ex vivo perfusion provides superior organ preservation and enables viability assessment of hearts from DCD donors. *American Journal of Transplantation*, **2015**, 15, 371-80	8.7	89
162	ERBB2 triggers mammalian heart regeneration by promoting cardiomyocyte dedifferentiation and proliferation. *Nature Cell Biology*, **2015**, 17, 627-38	23.4	370

161	Cardiomyocytes Replicate and their Numbers Increase in Young Hearts. *Cell*, **2015**, 163, 783-4	56.2	12
160	A Universal and Robust Integrated Platform for the Scalable Production of Human Cardiomyocytes From Pluripotent Stem Cells. *Stem Cells Translational Medicine*, **2015**, 4, 1482-94	6.9	86
159	Bioengineered FSTL1 Patches Restore Cardiac Function Following Myocardial Infarction. *Trends in Molecular Medicine*, **2015**, 21, 731-733	11.5	11
158	Antisense-mediated exon skipping: a therapeutic strategy for titin-based dilated cardiomyopathy. *EMBO Molecular Medicine*, **2015**, 7, 562-76	12	74
157	CompGO: an R package for comparing and visualizing Gene Ontology enrichment differences between DNA binding experiments. *BMC Bioinformatics*, **2015**, 16, 275	3.6	27
156	Cardiac Repair With a Novel Population of Mesenchymal Stem Cells Resident in the Human Heart. *Stem Cells*, **2015**, 33, 3100-13	5.8	39
155	Bioengineering and Stem Cell Technology in the Treatment of Congenital Heart Disease. *Journal of Clinical Medicine*, **2015**, 4, 768-81	5.1	2
154	Pressure Overload by Transverse Aortic Constriction Induces Maladaptive Hypertrophy in a Titin-Truncated Mouse Model. *BioMed Research International*, **2015**, 2015, 163564	3	13
153	Irreversible triggers for hypertrophic cardiomyopathy are established in the early postnatal period. *Journal of the American College of Cardiology*, **2015**, 65, 560-9	15.1	17
152	NKX2-5 mutations causative for congenital heart disease retain functionality and are directed to hundreds of targets. *ELife*, **2015**, 4,	8.9	34
151	Cardiogenic genes expressed in cardiac fibroblasts contribute to heart development and repair. *Circulation Research*, **2014**, 114, 1422-34	15.7	152
150	Developmental origins and lineage descendants of endogenous adult cardiac progenitor cells. *Stem Cell Research*, **2014**, 13, 592-614	1.6	36
149	Genetic networks governing heart development. *Cold Spring Harbor Perspectives in Medicine*, **2014**, 4, a013839	5.4	28
148	Cardiac outflow tract development relies on the complex function of Sox4 and Sox11 in multiple cell types. *Cellular and Molecular Life Sciences*, **2014**, 71, 2931-45	10.3	30
147	Phenotypic effects of maternal immune activation and early postnatal milieu in mice mutant for the schizophrenia risk gene neuregulin-1. *Neuroscience*, **2014**, 277, 294-305	3.9	48
146	Epicardial Origin of Resident Mesenchymal Stem Cells in the Adult Mammalian Heart. *Journal of Developmental Biology*, **2014**, 2, 117-137	3.5	14
145	Increasing the tolerance of DCD hearts to warm ischemia by pharmacological postconditioning. *American Journal of Transplantation*, **2014**, 14, 1744-52	8.7	77
144	Targeted next-generation sequencing identifies pathogenic variants in familial congenital heart disease. *Journal of the American College of Cardiology*, **2014**, 64, 2498-506	15.1	60

143	Gene-environment interaction demonstrates the vulnerability of the embryonic heart. *Developmental Biology*, **2014**, 391, 99-110	3.1	12
142	Precardiac deletion of Numb and Numblike reveals renewal of cardiac progenitors. *ELife*, **2014**, 3, e02164	8.9	29
141	Heart field origin of great vessel precursors relies on nkx2.5-mediated vasculogenesis. *Nature Cell Biology*, **2013**, 15, 1362-9	23.4	46
140	Nkx2-5 mediates differential cardiac differentiation through interaction with Hoxa10. *Stem Cells and Development*, **2013**, 22, 2211-20	4.4	20
139	Nkx2-5(+)islet1(+) mesenchymal precursors generate distinct spleen stromal cell subsets and participate in restoring stromal network integrity. *Immunity*, **2013**, 38, 782-91	32.3	67
138	Haemogenic endocardium contributes to transient definitive haematopoiesis. *Nature Communications*, **2013**, 4, 1564	17.4	94
137	Epithelial to mesenchymal transition as a portal to stem cell characters embedded in gene networks. *BioEssays*, **2013**, 35, 191-200	4.1	13
136	Functional characterization of a novel mutation in NKX2-5 associated with congenital heart disease and adult-onset cardiomyopathy. *Circulation: Cardiovascular Genetics*, **2013**, 6, 238-47		63
135	Selective inhibition of human group IIA-secreted phospholipase A2 (hGIIA) signaling reveals arachidonic acid metabolism is associated with colocalization of hGIIA to vimentin in rheumatoid synoviocytes. *Journal of Biological Chemistry*, **2013**, 288, 15269-79	5.4	18
134	Rotary ATPases: models, machine elements and technical specifications. *Bioarchitecture*, **2013**, 3, 2-12		35
133	Lack of genetic interaction between Tbx20 and Tbx3 in early mouse heart development. *PLoS ONE*, **2013**, 8, e70149	3.7	3
132	Combined mutation screening of NKX2-5, GATA4, and TBX5 in congenital heart disease: multiple heterozygosity and novel mutations. *Congenital Heart Disease*, **2012**, 7, 151-9	3.1	62
131	Comprehensive transcriptome and immunophenotype analysis of renal and cardiac MSC-like populations supports strong congruence with bone marrow MSC despite maintenance of distinct identities. *Stem Cell Research*, **2012**, 8, 58-73	1.6	99
130	Long noncoding RNAs in cardiac development and pathophysiology. *Circulation Research*, **2012**, 111, 1349-62	15.7	178
129	An endothelial contribution to coronary vessels. *Cell*, **2012**, 151, 932-4	56.2	15
128	Phenotypic effects of repeated psychosocial stress during adolescence in mice mutant for the schizophrenia risk gene neuregulin-1: a putative model of gene □environment interaction. *Brain, Behavior, and Immunity*, **2012**, 26, 660-71	16.6	68
127	Congenital asplenia in mice and humans with mutations in a Pbx/Nkx2-5/p15 module. *Developmental Cell*, **2012**, 22, 913-26	10.2	59
126	Congenital heart disease: current knowledge about causes and inheritance. *Medical Journal of Australia*, **2012**, 197, 155-9	4	155

125	Fibroblast growth factor 10 gene regulation in the second heart field by Tbx1, Nkx2-5, and Islet1 reveals a genetic switch for down-regulation in the myocardium. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 18273-80	11.5	90
124	Inhibition of Notch2 by Numb/Numblike controls myocardial compaction in the heart. *Cardiovascular Research*, **2012**, 96, 276-85	9.9	48
123	Chromatin remodelling complex dosage modulates transcription factor function in heart development. *Nature Communications*, **2011**, 2, 187	17.4	151
122	Adult cardiac-resident MSC-like stem cells with a proepicardial origin. *Cell Stem Cell*, **2011**, 9, 527-40	18	313
121	Complex SUMO-1 regulation of cardiac transcription factor Nkx2-5. *PLoS ONE*, **2011**, 6, e24812	3.7	29
120	Defining the earliest step of cardiovascular progenitor specification during embryonic stem cell differentiation. *Journal of Cell Biology*, **2011**, 192, 751-65	7.3	105
119	Somatic mutations in NKX2B, GATA4, and HAND1 are not a common cause of tetralogy of Fallot or hypoplastic left heart. *American Journal of Medical Genetics, Part A*, **2011**, 155A, 2416-21	2.5	28
118	Characterization of Pitx2c expression in the mouse heart using a reporter transgene. *Developmental Dynamics*, **2011**, 240, 195-203	2.9	26
117	The ontogeny of cardiac regeneration. *Circulation Research*, **2011**, 108, 1304-5	15.7	2
116	Tinman/Nkx2-5 acts via miR-1 and upstream of Cdc42 to regulate heart function across species. *Journal of Cell Biology*, **2011**, 193, 1181-96	7.3	61
115	Loss of Cited2 causes congenital heart disease by perturbing left-right patterning of the body axis. *Human Molecular Genetics*, **2011**, 20, 1097-110	5.6	42
114	Nkx2-5 represses Gata1 gene expression and modulates the cellular fate of cardiac progenitors during embryogenesis. *Circulation*, **2011**, 123, 1633-41	16.7	40
113	Investigation of association between PFO complicated by cryptogenic stroke and a common variant of the cardiac transcription factor GATA4. *PLoS ONE*, **2011**, 6, e20711	3.7	2
112	Defining the earliest step of cardiovascular progenitor specification during embryonic stem cell differentiation. *Journal of Experimental Medicine*, **2011**, 208, i5-i5	16.6	
111	Tinman/Nkx2-5 acts via miR-1 and upstream of Cdc42 to regulate heart function across species. *Journal of Experimental Medicine*, **2011**, 208, i20-i20	16.6	
110	Schizophrenia-related endophenotypes in heterozygous neuregulin-1 knockout mice. *European Journal of Neuroscience*, **2010**, 31, 349-58	3.5	66
109	Neuregulin 1 sustains the gene regulatory network in both trabecular and nontrabecular myocardium. *Circulation Research*, **2010**, 107, 715-27	15.7	65
108	Zac1 is an essential transcription factor for cardiac morphogenesis. *Circulation Research*, **2010**, 106, 1083-91	15.7	38

107	GATA4 mutations in 357 unrelated patients with congenital heart malformation. *Genetic Testing and Molecular Biomarkers*, **2010**, 14, 797-802	1.6	47
106	Alpha-cardiac myosin heavy chain (MYH6) mutations affecting myofibril formation are associated with congenital heart defects. *Human Molecular Genetics*, **2010**, 19, 4007-16	5.6	104
105	A gain-of-function TBX20 mutation causes congenital atrial septal defects, patent foramen ovale and cardiac valve defects. *Journal of Medical Genetics*, **2010**, 47, 230-5	5.8	90
104	NK-2 Class Homeodomain Proteins **2010**, 569-597		8
103	Disruption of thermal nociceptive behaviour in mice mutant for the schizophrenia-associated genes NRG1, COMT and DISC1. *Brain Research*, **2010**, 1348, 114-9	3.7	21
102	Expression of Slit and Robo genes in the developing mouse heart. *Developmental Dynamics*, **2010**, 239, 3303-11	2.9	29
101	Cardiac deletion of Smyd2 is dispensable for mouse heart development. *PLoS ONE*, **2010**, 5, e9748	3.7	52
100	Nkx2-5 transactivates the Ets-related protein 71 gene and specifies an endothelial/endocardial fate in the developing embryo. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 814-9	11.5	160
99	Landmarks and lineages in the developing heart. *Circulation Research*, **2009**, 104, 1235-7	15.7	12
98	Molecular analysis of PRKAG2, LAMP2, and NKX2-5 genes in a cohort of 125 patients with accessory atrioventricular connection. *American Journal of Medical Genetics, Part A*, **2009**, 149A, 1574-7	2.5	15
97	c-Kit function is necessary for in vitro myogenic differentiation of bone marrow hematopoietic cells. *Stem Cells*, **2009**, 27, 1911-20	5.8	27
96	Phenotype of spontaneous orofacial dyskinesia in neuregulin-1 $knockoutSmice. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2009**, 33, 330-3	5.5	7
95	Conformational stability and DNA binding specificity of the cardiac T-box transcription factor Tbx20. *Journal of Molecular Biology*, **2009**, 389, 606-18	6.5	22
94	Hypoplastic left heart syndrome: new genetic insights. *Journal of the American College of Cardiology*, **2009**, 53, 1072-4	15.1	19
93	RNA toxicity in myotonic muscular dystrophy induces NKX2-5 expression. *Nature Genetics*, **2008**, 40, 61-8	36.3	65
92	Disruption to social dyadic interactions but not emotional/anxiety-related behaviour in mice with heterozygous $knockoutSof the schizophrenia risk gene neuregulin-1. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2008**, 32, 462-6	5.5	81
91	A critical time for stem cell research in Australia. *Cell Stem Cell*, **2008**, 2, 118-22	18	5
90	Compensatory growth of healthy cardiac cells in the presence of diseased cells restores tissue homeostasis during heart development. *Developmental Cell*, **2008**, 15, 521-33	10.2	133

89	BMP/SMAD1 signaling sets a threshold for the left/right pathway in lateral plate mesoderm and limits availability of SMAD4. *Genes and Development*, **2008**, 22, 3037-49	12.6	53
88	Altered motor activity, exploration and anxiety in heterozygous neuregulin 1 mutant mice: implications for understanding schizophrenia. *Genes, Brain and Behavior*, **2007**, 6, 677-87	3.6	140
87	Time to mend a broken heart. *Stem Cell Research*, **2007**, 1, 4-6	1.6	2
86	Molecular pathway for the localized formation of the sinoatrial node. *Circulation Research*, **2007**, 100, 354-62	15.7	284
85	Disrupted cardiac development but normal hematopoiesis in mice deficient in the second CXCL12/SDF-1 receptor, CXCR7. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 14759-64	11.5	466
84	Pitx2c and Nkx2-5 are required for the formation and identity of the pulmonary myocardium. *Circulation Research*, **2007**, 101, 902-9	15.7	289
83	Arrhythmia induced by spatiotemporal overexpression of calreticulin in the heart. *Molecular Genetics and Metabolism*, **2007**, 91, 285-93	3.7	24
82	Phenotypic characterization of spatial cognition and social behavior in mice with ‘knockout’ of the schizophrenia risk gene neuregulin 1. *Neuroscience*, **2007**, 147, 18-27	3.9	193
81	An Nkx2-5/Bmp2/Smad1 negative feedback loop controls heart progenitor specification and proliferation. *Cell*, **2007**, 128, 947-59	56.2	418
80	Mutations in cardiac T-box factor gene TBX20 are associated with diverse cardiac pathologies, including defects of septation and valvulogenesis and cardiomyopathy. *American Journal of Human Genetics*, **2007**, 81, 280-91	11	261
79	Generation of conditional Cited2 null alleles. *Genesis*, **2006**, 44, 579-83	1.9	19
78	Conditional (loxP-flanked) allele for the gene encoding the retinoic acid-synthesizing enzyme retinaldehyde dehydrogenase 2 (RALDH2). *Genesis*, **2006**, 44, 155-8	1.9	13
77	Quantitative trait loci modifying cardiac atrial septal morphology and risk of patent foramen ovale in the mouse. *Circulation Research*, **2006**, 98, 651-8	15.7	21
76	Responsiveness of naive CD4 T cells to polarizing cytokine determines the ratio of Th1 and Th2 cell differentiation. *Journal of Immunology*, **2006**, 176, 1553-60	5.3	31
75	A tyrosine-rich domain within homeodomain transcription factor Nkx2-5 is an essential element in the early cardiac transcriptional regulatory machinery. *Development (Cambridge)*, **2006**, 133, 1311-22	6.6	24
74	Formation of the venous pole of the heart from an Nkx2-5-negative precursor population requires Tbx18. *Circulation Research*, **2006**, 98, 1555-63	15.7	243
73	Sexually dimorphic changes in the exploratory and habituation profiles of heterozygous neuregulin-1 knockout mice. *NeuroReport*, **2006**, 17, 79-83	1.7	71
72	The Hlx homeobox transcription factor is required early in enteric nervous system development. *BMC Developmental Biology*, **2006**, 6, 33	3.1	21

71	Muscle costameric protein, Chisel/Smpx, associates with focal adhesion complexes and modulates cell spreading in vitro via a Rac1/p38 pathway. *Experimental Cell Research*, **2005**, 307, 367-80	4.2	20
70	Update on the use of stem cells for cardiac disease. *Internal Medicine Journal*, **2005**, 35, 348-56	1.6	18
69	Murine T-box transcription factor Tbx20 acts as a repressor during heart development, and is essential for adult heart integrity, function and adaptation. *Development (Cambridge)*, **2005**, 132, 2451-62	6.6	181
68	T-box transcription factors and their roles in regulatory hierarchies in the developing heart. *Development (Cambridge)*, **2005**, 132, 4897-910	6.6	130
67	Foxh1 is essential for development of the anterior heart field. *Developmental Cell*, **2004**, 7, 331-45	10.2	160
66	Cardiomyogenic Precursor Cells in the Mammalian Embryo: Induction, Heterogeneity, and Morphogenesis **2004**, 305-315		1
65	Molecular pathways in myocardial development: a stem cell perspective. *Cardiovascular Research*, **2003**, 58, 264-77	9.9	67
64	Architectural defects in the spleens of Nkx2-3-deficient mice are intrinsic and associated with defects in both B cell maturation and T cell-dependent immune responses. *Journal of Immunology*, **2003**, 170, 4002-10	5.3	37
63	Cardiac homeobox gene NKX2-5 mutations and congenital heart disease: associations with atrial septal defect and hypoplastic left heart syndrome. *Journal of the American College of Cardiology*, **2003**, 41, 2072-6	15.1	201
62	Cardiac T-box factor Tbx20 directly interacts with Nkx2-5, GATA4, and GATA5 in regulation of gene expression in the developing heart. *Developmental Biology*, **2003**, 262, 206-24	3.1	232
61	Patterning the vertebrate heart. *Nature Reviews Genetics*, **2002**, 3, 544-56	30.1	338
60	Essential role for the lymphostromal plasma membrane Ly-6 superfamily molecule thymic shared antigen 1 in development of the embryonic adrenal gland. *Molecular and Cellular Biology*, **2002**, 22, 946-52	4.8	14
59	Developmental paradigms in heart disease: insights from tinman. *Annals of Medicine*, **2002**, 34, 148-156	1.5	35
58	Hop is an unusual homeobox gene that modulates cardiac development. *Cell*, **2002**, 110, 713-23	56.2	228
57	Neuregulin 1 and susceptibility to schizophrenia. *American Journal of Human Genetics*, **2002**, 71, 877-92	11	1371
56	Molecular Determinants of Cardiac Development and Congenital Disease **2002**, 331-370		5
55	Homeodomain factor Nkx2-5 in heart development and disease. *Cold Spring Harbor Symposia on Quantitative Biology*, **2002**, 67, 107-14	3.9	55
54	Efficient Cre-mediated deletion in cardiac progenitor cells conferred by a 3'UTR-ires-Cre allele of the homeobox gene Nkx2-5. *International Journal of Developmental Biology*, **2002**, 46, 431-9	1.9	194

53	Developmental paradigms in heart disease: insights from tinman. *Annals of Medicine*, **2002**, 34, 148-56	1.5	13
52	Two CCAAT boxes in a novel inverted repeat motif are required for Hlx homeobox gene expression. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **2001**, 1519, 96-105		6
51	The small muscle-specific protein Csl modifies cell shape and promotes myocyte fusion in an insulin-like growth factor 1-dependent manner. *Journal of Cell Biology*, **2001**, 153, 985-98	7.3	73
50	Differential binding of an SRF/NK-2/MEF2 transcription factor complex in normal versus neoplastic smooth muscle tissues. *Journal of Biological Chemistry*, **2001**, 276, 34637-50	5.4	29
49	The combinatorial activities of Nkx2.5 and dHAND are essential for cardiac ventricle formation. *Developmental Biology*, **2001**, 239, 190-203	3.1	158
48	Targeted insertion of a lacZ reporter gene into the mouse Cer1 locus reveals complex and dynamic expression during embryogenesis. *Genesis*, **2000**, 26, 259-64	1.9	40
47	Conserved linkage of NK-2 homeobox gene pairs Nkx2-2/2-4 and Nkx2-1/2-9 in mammals. *Mammalian Genome*, **2000**, 11, 466-8	3.2	17
46	Structural and functional characterization of the mouse Hlx homeobox gene. *Mammalian Genome*, **2000**, 11, 836-42	3.2	8
45	Homeodomain factor Nkx2-3 controls regional expression of leukocyte homing coreceptor MAdCAM-1 in specialized endothelial cells of the viscera. *Developmental Biology*, **2000**, 224, 152-67	3.1	53
44	Chamber formation and morphogenesis in the developing mammalian heart. *Developmental Biology*, **2000**, 223, 266-78	3.1	399
43	Cardiac septal and valvular dysmorphogenesis in mice heterozygous for mutations in the homeobox gene Nkx2-5. *Circulation Research*, **2000**, 87, 888-95	15.7	282
42	Skeletal muscle hypertrophy is mediated by a Ca2+-dependent calcineurin signalling pathway. *Nature*, **1999**, 400, 576-81	50.4	389
41	Human cerberus related gene CER1 maps to chromosome 9. *Genomics*, **1999**, 55, 364-6	4.3	8
40	Assignment of the human helix-loop-helix transcription factor gene musculin/activated B-cell factor-1 (MSC) to chromosome 8q21 and its mouse homologue (Msc) to the proximal region of chromosome 1. *Genomics*, **1999**, 57, 318-9	4.3	4
39	The cardiac expression of striated muscle LIM protein 1 (SLIM1) is restricted to the outflow tract of the developing heart. *Journal of Molecular and Cellular Cardiology*, **1999**, 31, 837-43	5.8	27
38	Seeking a regulatory roadmap for heart morphogenesis. *Seminars in Cell and Developmental Biology* , **1999**, 10, 99-107	7.5	30
37	Peripheral nervous system defects in erbB2 mutants following genetic rescue of heart development. *Genes and Development*, **1999**, 13, 2538-48	12.6	202
36	Single allele mutations at the heart of congenital disease. *Journal of Clinical Investigation*, **1999**, 104, 1483-4	15.9	5

35	Transcriptional Control and Pattern Formation in the Developing Vertebrate Heart **1999**, 111-129		12
34	epicardin: A novel basic helix-loop-helix transcription factor gene expressed in epicardium, branchial arch myoblasts, and mesenchyme of developing lung, gut, kidney, and gonads. *Developmental Dynamics*, **1998**, 213, 105-13	2.9	95
33	Links in the left/right axial pathway. *Cell*, **1998**, 94, 273-6	56.2	103
32	Expression of NK-2 class homeobox gene Nkx2-6 in foregut endoderm and heart. *Mechanisms of Development*, **1998**, 73, 125-7	1.7	54
31	musculin: a murine basic helix-loop-helix transcription factor gene expressed in embryonic skeletal muscle. *Mechanisms of Development*, **1998**, 76, 197-201	1.7	36
30	DAN is a secreted glycoprotein related to Xenopus cerberus. *Mechanisms of Development*, **1998**, 77, 173-84	1.7	80
29	Cardiac looping--an uneasy deal with laterality. *Seminars in Cell and Developmental Biology*, **1998**, 9, 101-8	7.5	35
28	Murine cerberus homologue mCer-1: a candidate anterior patterning molecule. *Developmental Biology*, **1998**, 194, 135-51	3.1	163
27	Homeodomain factor Nkx2-5 controls left/right asymmetric expression of bHLH gene eHand during murine heart development. *Genes and Development*, **1997**, 11, 1357-69	12.6	259
26	Hlx homeo box gene is essential for an inductive tissue interaction that drives expansion of embryonic liver and gut. *Genes and Development*, **1996**, 10, 70-9	12.6	142
25	NK-2 homeobox genes and heart development. *Developmental Biology*, **1996**, 178, 203-16	3.1	510
24	The nu gene acts cell-autonomously and is required for differentiation of thymic epithelial progenitors. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 5742-6	11.5	167
23	Expression of cardiac muscle markers in rat myocyte cell lines. *Molecular and Cellular Biochemistry*, **1996**, 157, 87-91	4.2	1
22	Myogenic and morphogenetic defects in the heart tubes of murine embryos lacking the homeo box gene Nkx2-5. *Genes and Development*, **1995**, 9, 1654-66	12.6	909
21	Absence of yolk sac hematopoiesis from mice with a targeted disruption of the scl gene. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 7075-9	11.5	490
20	High-resolution genetic analysis of a deletion on mouse chromosome 17 extending over the fused, tufted, and homeobox Nkx2-5 loci. *Mammalian Genome*, **1994**, 5, 814-6	3.2	12
19	XNkx-2.5, a Xenopus gene related to Nkx-2.5 and tinman: evidence for a conserved role in cardiac development. *Developmental Biology*, **1994**, 162, 325-8	3.1	202
18	The murine homeobox genes Nkx2.3 and Nkx2.6 are located on chromosomes 19 and 14, respectively. *Genomics*, **1994**, 22, 655-6	4.3	7

17	MyoD protein expression in Xenopus embryos closely follows a mesoderm induction-dependent amplification of MyoD transcription and is synchronous across the future somite axis. *Mechanisms of Development*, **1992**, 37, 141-9	1.7	23
16	Novel murine homeo box gene on chromosome 1 expressed in specific hematopoietic lineages and during embryogenesis. *Genes and Development*, **1991**, 5, 509-20	12.6	93
15	Fibroblast growth factor-mediated proliferation of central nervous system precursors depends on endogenous production of insulin-like growth factor I. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 2199-203	11.5	219
14	Widespread expression of MyoD genes in Xenopus embryos is amplified in presumptive muscle as a delayed response to mesoderm induction. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 9198-202	11.5	36
13	Transcription from the intron-containing chicken histone H2A.F gene is not S-phase regulated. *Nucleic Acids Research*, **1989**, 17, 1745-56	20.1	29
12	Microinjection of synthetic Xhox-1A homeobox mRNA disrupts somite formation in developing Xenopus embryos. *Cell*, **1988**, 53, 687-97	56.2	101
11	Identification and cloning of localized maternal RNAs from Xenopus eggs. *Cell*, **1985**, 42, 769-77	56.2	443
10	Localized maternal mRNAs in Xenopus laevis eggs. *Cold Spring Harbor Symposia on Quantitative Biology*, **1985**, 50, 21-30	3.9	19
9	H2A.F: an extremely variant histone H2A sequence expressed in the chicken embryo. *Proceedings of the National Academy of Sciences of the United States of America*, **1983**, 80, 2819-23	11.5	72
8	Independently evolving chicken histone H2B genes: identification of a ubiquitous H2B-specific 5S element. *Nucleic Acids Research*, **1982**, 10, 7851-63	20.1	134
7	Non-tandem arrangement and divergent transcription of chicken histone genes. *Nature*, **1981**, 294, 49-53	50.4	34
6	Vertebrate histone genes: nucleotide sequence of a chicken H2A gene and regulatory flanking sequences. *Nucleic Acids Research*, **1981**, 9, 3119-28	20.1	34
5	Histone genes are clustered with a 15-kilobase repeat in the chicken genome. *Nature*, **1979**, 279, 132-6	50.4	28
4	Isolation of a genomal clone containing chicken histone genes. *Nucleic Acids Research*, **1979**, 7, 1787-98	20.1	16
3	Developmental paradigms in heart disease: insights from tinman		19
2	PDGFR□signaling in cardiac fibroblasts modulates quiescence, metabolism and self-renewal, and promotes anatomical and functional repair		9
1	Sierra: discovery of differential transcript usage from polyA-captured single-cell RNA-seq data		3