Elizabeth J Robertson

List of Publications by Year in Descending Order

70 papers	11,084 citations	46 h-index	76 g-index
76 ext. papers	12,226 ext. citations	15.1 avg, IF	5.98 L-index

#	Paper	IF	Citations
70	The T-box transcription factor Eomesodermin governs haemogenic competence of yolk sac mesodermal progenitors. *Nature Cell Biology*, **2021**, 23, 61-74	23.4	4
69	The transcriptional repressor Blimp1/PRDM1 regulates the maternal decidual response in mice. *Nature Communications*, **2020**, 11, 2782	17.4	5
68	CytoCensus, mapping cell identity and division in tissues and organs using machine learning. *ELife*, **2020**, 9,	8.9	5
67	Genetic dissection of Nodal and Bmp signalling requirements during primordial germ cell development in mouse. *Nature Communications*, **2019**, 10, 1089	17.4	13
66	Common and distinct transcriptional signatures of mammalian embryonic lethality. *Nature Communications*, **2019**, 10, 2792	17.4	6
65	Blimp-1/PRDM1 is a critical regulator of Type III Interferon responses in mammary epithelial cells. *Scientific Reports*, **2018**, 8, 237	4.9	10
64	Placentation defects are highly prevalent in embryonic lethal mouse mutants. *Nature*, **2018**, 555, 463-468	30.4	164
63	Combinatorial Smad2/3 Activities Downstream of Nodal Signaling Maintain Embryonic/Extra-Embryonic Cell Identities during Lineage Priming. *Cell Reports*, **2018**, 24, 1977-1985.e7	10.6	17
62	Functional characterisation of -regulatory elements governing dynamic expression in the early mouse embryo. *Development (Cambridge)*, **2017**, 144, 1249-1260	6.6	29
61	Mapping the chromatin landscape and Blimp1 transcriptional targets that regulate trophoblast differentiation. *Scientific Reports*, **2017**, 7, 6793	4.9	11
60	Long-lived unipotent Blimp1-positive luminal stem cells drive mammary gland organogenesis throughout adult life. *Nature Communications*, **2017**, 8, 1714	17.4	23
59	Single-cell RNA-seq reveals cell type-specific transcriptional signatures at the maternal-foetal interface during pregnancy. *Nature Communications*, **2016**, 7, 11414	17.4	47
58	Keeping a lid on nodal: transcriptional and translational repression of nodal signalling. *Open Biology* , **2016**, 6, 150200	7	13
57	Highly variable penetrance of abnormal phenotypes in embryonic lethal knockout mice. *Wellcome Open Research*, **2016**, 1, 1	4.8	17
56	The transcriptional repressor Blimp1 is expressed in rare luminal progenitors and is essential for mammary gland development. *Development (Cambridge)*, **2016**, 143, 1663-73	6.6	10
55	Lhx1 functions together with Otx2, Foxa2, and Ldb1 to govern anterior mesendoderm, node, and midline development. *Genes and Development*, **2015**, 29, 2108-22	12.6	47
54	Blimp1/Prdm1 Functions in Opposition to Irf1 to Maintain Neonatal Tolerance during Postnatal Intestinal Maturation. *PLoS Genetics*, **2015**, 11, e1005375	6	23

53	Cortical and Clonal Contribution of Tbr2 Expressing Progenitors in the Developing Mouse Brain. *Cerebral Cortex*, **2015**, 25, 3290-302	5.1	109
52	Dose-dependent Nodal/Smad signals pattern the early mouse embryo. *Seminars in Cell and Developmental Biology*, **2014**, 32, 73-9	7.5	85
51	The PR/SET domain zinc finger protein Prdm4 regulates gene expression in embryonic stem cells but plays a nonessential role in the developing mouse embryo. *Molecular and Cellular Biology*, **2013**, 33, 3936-50	4.8	19
50	The T-box transcription factor Eomesodermin is essential for AVE induction in the mouse embryo. *Genes and Development*, **2013**, 27, 997-1002	12.6	51
49	Technical Advance: Fluorescent reporter reveals insights into eomesodermin biology in cytotoxic lymphocytes. *Journal of Leukocyte Biology*, **2013**, 93, 307-15	6.5	27
48	Progenitor and terminal subsets of CD8+ T cells cooperate to contain chronic viral infection. *Science* , **2012**, 338, 1220-5	33.3	548
47	Blimp1/Prdm1 governs terminal differentiation of endovascular trophoblast giant cells and defines multipotent progenitors in the developing placenta. *Genes and Development*, **2012**, 26, 2063-74	12.6	50
46	Alternative splicing regulates Prdm1/Blimp-1 DNA binding activities and corepressor interactions. *Molecular and Cellular Biology*, **2012**, 32, 3403-13	4.8	11
45	The T-box transcription factor Eomesodermin acts upstream of Mesp1 to specify cardiac mesoderm during mouse gastrulation. *Nature Cell Biology*, **2011**, 13, 1084-91	23.4	172
44	The fibronectin leucine-rich repeat transmembrane protein Flrt2 is required in the epicardium to promote heart morphogenesis. *Development (Cambridge)*, **2011**, 138, 1297-308	6.6	30
43	The transcriptional repressor Blimp1/Prdm1 regulates postnatal reprogramming of intestinal enterocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 10585-90	11.5	103
42	Pluripotency factors regulate definitive endoderm specification through eomesodermin. *Genes and Development*, **2011**, 25, 238-50	12.6	251
41	Blimp-1/Prdm1 alternative promoter usage during mouse development and plasma cell differentiation. *Molecular and Cellular Biology*, **2009**, 29, 5813-27	4.8	49
40	Generation and analysis of a mouse line harboring GFP in the Eomes/Tbr2 locus. *Genesis*, **2009**, 47, 775-81	1.9	52
39	Smad4-dependent pathways control basement membrane deposition and endodermal cell migration at early stages of mouse development. *BMC Developmental Biology*, **2009**, 9, 54	3.1	43
38	Making a commitment: cell lineage allocation and axis patterning in the early mouse embryo. *Nature Reviews Molecular Cell Biology*, **2009**, 10, 91-103	48.7	542
37	An expanding job description for Blimp-1/PRDM1. *Current Opinion in Genetics and Development*, **2009**, 19, 379-85	4.9	86
36	Ventral closure, headfold fusion and definitive endoderm migration defects in mouse embryos lacking the fibronectin leucine-rich transmembrane protein FLRT3. *Developmental Biology*, **2008**, 318, 184-93	3.1	49

35	Pivotal roles for eomesodermin during axis formation, epithelium-to-mesenchyme transition and endoderm specification in the mouse. *Development (Cambridge)*, **2008**, 135, 501-11	6.6	171
34	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
33	The T-box transcription factor Eomes/Tbr2 regulates neurogenesis in the cortical subventricular zone. *Genes and Development*, **2008**, 22, 2479-84	12.6	244
32	Blimp1 regulates development of the posterior forelimb, caudal pharyngeal arches, heart and sensory vibrissae in mice. *Development (Cambridge)*, **2007**, 134, 4335-45	6.6	99
31	Mice develop normally in the absence of Smad4 nucleocytoplasmic shuttling. *Biochemical Journal*, **2007**, 404, 235-45	3.8	15
30	The nodal precursor acting via activin receptors induces mesoderm by maintaining a source of its convertases and BMP4. *Developmental Cell*, **2006**, 11, 313-23	10.2	231
29	Dose-dependent Smad1, Smad5 and Smad8 signaling in the early mouse embryo. *Developmental Biology*, **2006**, 296, 104-18	3.1	129
28	Mice exclusively expressing the short isoform of Smad2 develop normally and are viable and fertile. *Genes and Development*, **2005**, 19, 152-63	12.6	78
27	The zinc finger transcriptional repressor Blimp1/Prdm1 is dispensable for early axis formation but is required for specification of primordial germ cells in the mouse. *Development (Cambridge)*, **2005**, 132, 1315-25	6.6	267
26	Making heads and tails of the early mouse embryo. *Harvey Lectures*, **2005**, 101, 59-73		1
25	Differential requirements for Smad4 in TGFbeta-dependent patterning of the early mouse embryo. *Development (Cambridge)*, **2004**, 131, 3501-12	6.6	170
24	Combinatorial activities of Smad2 and Smad3 regulate mesoderm formation and patterning in the mouse embryo. *Development (Cambridge)*, **2004**, 131, 1717-28	6.6	135
23	Multiple roles for Nodal in the epiblast of the mouse embryo in the establishment of anterior-posterior patterning. *Developmental Biology*, **2004**, 273, 149-59	3.1	79
22	Cell fate decisions within the mouse organizer are governed by graded Nodal signals. *Genes and Development*, **2003**, 17, 1646-62	12.6	252
21	Control of early anterior-posterior patterning in the mouse embryo by TGF-beta signalling. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2003**, 358, 1351-7; discussion 1357	5.8	51
20	Nodal activity in the node governs left-right asymmetry. *Genes and Development*, **2002**, 16, 2339-44	12.6	229
19	Nodal antagonists in the anterior visceral endoderm prevent the formation of multiple primitive streaks. *Developmental Cell*, **2002**, 3, 745-56	10.2	305
18	The Foxh1-dependent autoregulatory enhancer controls the level of Nodal signals in the mouse embryo. *Development (Cambridge)*, **2002**, 129, 3455-3468	6.6	166

17	The Foxh1-dependent autoregulatory enhancer controls the level of Nodal signals in the mouse embryo. *Development (Cambridge)*, **2002**, 129, 3455-68	6.6	78
16	Nodal signalling in the epiblast patterns the early mouse embryo. *Nature*, **2001**, 411, 965-9	50.4	421
15	From fertilization to gastrulation: axis formation in the mouse embryo. *Current Opinion in Genetics and Development*, **2001**, 11, 384-92	4.9	185
14	Mouse embryos lacking Smad1 signals display defects in extra-embryonic tissues and germ cell formation. *Development (Cambridge)*, **2001**, 128, 3609-3621	6.6	261
13	Regulation of bone morphogenetic protein activity by pro domains and proprotein convertases. *Journal of Cell Biology*, **1999**, 144, 139-49	7.3	258
12	Mouse Lefty2 and zebrafish antivin are feedback inhibitors of nodal signaling during vertebrate gastrulation. *Molecular Cell*, **1999**, 4, 287-98	17.6	325
11	Pitx2 determines left-right asymmetry of internal organs in vertebrates. *Nature*, **1998**, 394, 545-51	50.4	439
10	Smad2 signaling in extraembryonic tissues determines anterior-posterior polarity of the early mouse embryo. *Cell*, **1998**, 92, 797-808	56.2	408
9	Overlapping expression domains of bone morphogenetic protein family members potentially account for limited tissue defects in BMP7 deficient embryos. *Developmental Dynamics*, **1997**, 208, 349-62	2.9	387
8	Overlapping expression domains of bone morphogenetic protein family members potentially account for limited tissue defects in BMP7 deficient embryos **1997**, 208, 349		2
7	Relationship between asymmetric nodal expression and the direction of embryonic turning. *Nature*, **1996**, 381, 155-8	50.4	503
6	A potential animal model for Lesch-Nyhan syndrome through introduction of HPRT mutations into mice. *Nature*, **1987**, 326, 295-8	50.4	453
5	Germ-line transmission of genes introduced into cultured pluripotential cells by retroviral vector. *Nature*, **1986**, 323, 445-8	50.4	667
4	Formation of germ-line chimaeras from embryo-derived teratocarcinoma cell lines. *Nature*, **1984**, 309, 255-6	50.4	1230
3	Highly variable penetrance of abnormal phenotypes in embryonic lethal knockout mice. *Wellcome Open Research*,1, 1	4.8	10
2	Genetic dissection of Nodal and Bmp signalling requirements during primordial germ cell development		1
1	CytoCensus: mapping cell identity and division in tissues and organs using machine learning		3