Rusty D Lansford

List of Publications by Year in Descending Order

67 papers	2,881 citations	22 h-index	53 g-index
70 ext. papers	3,301 ext. citations	4.9 avg, IF	4.52 L-index

#	Paper	IF	Citations
67	Follow Me! A Tale of Avian Heart Development with Comparisons to Mammal Heart Development. *Journal of Cardiovascular Development and Disease*, **2020**, 7,	4.2	3
66	The quail genome: insights into social behaviour, seasonal biology and infectious disease response. *BMC Biology*, **2020**, 18, 14	7.3	19
65	Avian Primordial Germ Cells Contribute to and Interact With the Extracellular Matrix During Early Migration. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 35	5.7	11
64	A Multiscale Analysis of Early Cardiogenesis Following VEGF Perturbations. *FASEB Journal*, **2018**, 32, 94.1	0.9	
63	Basal filopodia and vascular mechanical stress organize fibronectin into pillars bridging the mesoderm-endoderm gap. *Development (Cambridge)*, **2017**, 144, 281-291	6.6	18
62	Fluorescent Quail: A Transgenic Model System for the Dynamic Study of Avian Development. *Methods in Molecular Biology*, **2017**, 1650, 125-147	1.4	5
61	Multi-scale quantification of tissue behavior during amniote embryo axis elongation. *Development (Cambridge)*, **2017**, 144, 4462-4472	6.6	32
60	Basal filopodia and vascular mechanical stress organize fibronectin into pillars bridging the mesoderm-endoderm gap. *Journal of Cell Science*, **2017**, 130, e1.2-e1.2	5.3	
59	In vivo time-lapse imaging reveals extensive neural crest and endothelial cell interactions during neural crest migration and formation of the dorsal root and sympathetic ganglia. *Developmental Biology*, **2016**, 413, 70-85	3.1	13
58	Mapping a multiplexed zoo of mRNA expression. *Development (Cambridge)*, **2016**, 143, 3632-3637	6.6	95
57	A transgenic quail model that enables dynamic imaging of amniote embryogenesis. *Development (Cambridge)*, **2015**, 142, 2850-9	6.6	26
56	Japanese Quail as a Laboratory Animal Model **2015**, 1087-1108		11
55	Dynamic imaging of the growth plate cartilage reveals multiple contributors to skeletal morphogenesis. *Nature Communications*, **2015**, 6, 6798	17.4	33
54	Combinatorial analysis of mRNA expression patterns in mouse embryos using hybridization chain reaction. *Cold Spring Harbor Protocols*, **2015**, 2015, 259-68	1.2	14
53	Prometastatic GPCR CD97 is a direct target of tumor suppressor microRNA-126. *ACS Chemical Biology*, **2014**, 9, 334-8	4.9	22
52	Generation and analysis of lentivirus expressing a 2A peptide-linked bicistronic fluorescent construct. *Cold Spring Harbor Protocols*, **2014**, 2014, 1290-311	1.2	1
51	The left-right Pitx2 pathway drives organ-specific arterial and lymphatic development in the intestine. *Developmental Cell*, **2014**, 31, 690-706	10.2	73

50	Airway branching has conserved needs for local parasympathetic innervation but not neurotransmission. *BMC Biology*, **2014**, 12, 92	7.3	24
49	Identification of emergent motion compartments in the amniote embryo. *Organogenesis*, **2014**, 10, 350-64	1.7	3
48	Transgenic quail as a model for research in the avian nervous system: a comparative study of the auditory brainstem. *Journal of Comparative Neurology*, **2013**, 521, 5-23	3.4	31
47	Transgenic quail as a model for research in the avian nervous system: A comparative study of the auditory brainstem. *Journal of Comparative Neurology*, **2013**, 521, Spc1-Spc1	3.4	
46	Transgenesis and imaging in birds, and available transgenic reporter lines. *Development Growth and Differentiation*, **2013**, 55, 406-21	3	19
45	Embryogenesis of the first circulating endothelial cells. *PLoS ONE*, **2013**, 8, e60841	3.7	6
44	Convective tissue movements play a major role in avian endocardial morphogenesis. *Developmental Biology*, **2012**, 363, 348-61	3.1	36
43	Time-lapse microscopy of macrophages during embryonic vascular development. *Developmental Dynamics*, **2012**, 241, 1423-31	2.9	11
42	Dynamic lineage analysis of embryonic morphogenesis using transgenic quail and 4D multispectral imaging. *Genesis*, **2011**, 49, 619-43	1.9	12
41	High-speed multicolor microscopy of repeating dynamic processes. *Genesis*, **2011**, 49, 514-21	1.9	7
40	Preparation and 4D fluorescent imaging of quail embryos. *Cold Spring Harbor Protocols*, **2011**, 2011, 1375-82	1.2	3
39	4D fluorescent imaging of embryonic quail development. *Cold Spring Harbor Protocols*, **2011**, 2011, 1291-4	1.2	3
38	Analysis of endothelial cell movements during aortae development. *FASEB Journal*, **2011**, 25, 177.1	0.9	
37	Dynamic imaging of cardiac precursor cell movements during early avian heart morphogenesis. *FASEB Journal*, **2011**, 25, 181.3	0.9	
36	Dynamic analysis of vascular morphogenesis using transgenic quail embryos. *PLoS ONE*, **2010**, 5, e12674	3.7	118
35	Advanced optical imaging in living embryos. *Cellular and Molecular Life Sciences*, **2010**, 67, 3489-97	10.3	8
34	Multispectral fingerprinting for improved in vivo cell dynamics analysis. *BMC Developmental Biology* , **2010**, 10, 101	3.1	9
33	Computational Analyses of Endocardial Cell Motion During Cardiovascular Morphogenesis in Transgenic Avian Embryos. *FASEB Journal*, **2010**, 24, 180.3	0.9	

32	Watching the assembly of an organ a single cell at a time using confocal multi-position photoactivation and multi-time acquisition. *Organogenesis*, **2009**, 5, 238-47	1.7	12
31	Screening for transgenic Japanese quail offspring. *Cold Spring Harbor Protocols*, **2009**, 2009, pdb.prot5119	1.2	4
30	Dynamic positional fate map of the primary heart-forming region. *Developmental Biology*, **2009**, 332, 212-22	3.1	45
29	Generation of high-titer lentivirus for the production of transgenic quail. *Cold Spring Harbor Protocols*, **2009**, 2009, pdb.prot5117	1.2	8
28	Injection of lentivirus into stage-X blastoderm for the production of transgenic quail. *Cold Spring Harbor Protocols*, **2009**, 2009, pdb.prot5118	1.2	6
27	Japanese quail: an efficient animal model for the production of transgenic avians. *Cold Spring Harbor Protocols*, **2009**, 2009, pdb.emo112	1.2	44
26	Time-lapse imaging reveals an extra-cardiac contribution to the endocardium and cardiac jelly in avian embryos. *FASEB Journal*, **2009**, 23, 302.1	0.9	
25	Japanese quail (Coturnix japonica) as a laboratory animal model. *Lab Animal*, **2008**, 37, 513-9	0.4	84
24	Generating transgenic quail using lentiviruses. *Methods in Cell Biology*, **2008**, 87, 281-93	1.8	20
23	Computational imaging of heart morphogenesis in vivo. *FASEB Journal*, **2008**, 22, 386.1	0.9	
22	Multimodal Imaging of Embryogenesis. *FASEB Journal*, **2008**, 22, 235.3	0.9	
21	Digital three-dimensional atlas of quail development using high-resolution MRI. *Scientific World Journal, The*, **2007**, 7, 592-604	2.2	38
20	Nociceptive sensory neurons derive from contralaterally migrating, fate-restricted neural crest cells. *Nature Neuroscience*, **2007**, 10, 1287-93	25.5	33
19	A MRI Atlas of Quail Development. *FASEB Journal*, **2007**, 21, A201	0.9	
18	Ex Ovo Electroporation of DNA Vectors into Pre-gastrulation Avian Embryos. *Cold Spring Harbor Protocols*, **2007**, 2007, pdb.prot4894	1.2	3
17	Electroporation and EGFP labeling of gastrulating quail embryos. *Developmental Dynamics*, **2006**, 235, 2802-10	2.9	19
16	Formation and removal of alkylthiolate self-assembled monolayers on gold in aqueous solutions. *Lab on A Chip*, **2006**, 6, 289-95	7.2	36
15	In Vivo Imaging of Avian Development. *FASEB Journal*, **2006**, 20, A4	0.9	

List of Publications

14	New syntheses for 11-(mercaptoundecyl)triethylene glycol and mercaptododecyltriethyleneoxy biotin amide. *Tetrahedron Letters*, **2005**, 46, 4813-4816	2	14
13	Four-color, 4-D time-lapse confocal imaging of chick embryos. *BioTechniques*, **2005**, 39, 703-10	2.5	20
12	Becoming a new neuron in the adult olfactory bulb. *Nature Neuroscience*, **2003**, 6, 507-18	25.5	665
11	Circulating blood island-derived cells contribute to vasculogenesis in the embryo proper. *Developmental Biology*, **2003**, 262, 162-72	3.1	16
10	Resolution of multiple green fluorescent protein color variants and dyes using two-photon microscopy and imaging spectroscopy. *Journal of Biomedical Optics*, **2001**, 6, 311-8	3.5	158
9	Gene transfer to the embryo: strategies for the delivery and expression of proteins at 48 to 56 hours postfertilization. *Journal of Pediatric Surgery*, **2001**, 36, 1304-7	2.6	2
8	Imaging cells in the developing nervous system with retrovirus expressing modified green fluorescent protein. *Experimental Neurology*, **1999**, 156, 394-406	5.7	104
7	Germline transcription and recombination of a murine VDJmudeltagamma1 transgene. *International Immunology*, **1998**, 10, 1027-37	4.9	9
6	Ku70 is required for late B cell development and immunoglobulin heavy chain class switching. *Journal of Experimental Medicine*, **1998**, 187, 2081-9	16.6	256
5	Ig heavy chain class switching in Rag-deficient mice. *International Immunology*, **1998**, 10, 325-32	4.9	38
4	Interactions of Eph-related receptors and ligands confer rostrocaudal pattern to trunk neural crest migration. *Current Biology*, **1997**, 7, 571-80	6.3	346
3	A class switch control region at the 3Tend of the immunoglobulin heavy chain locus. *Cell*, **1994**, 77, 737-47	36.2	227
2	Multiscale quantification of tissue behavior during amniote embryo axis elongation		3
1	The quail as an avian model system: its genome provides insights into social behaviour, seasonal biology and infectious disease response		5